

D.M. JAMIL Vice President

Duke Power Catawba Nuclear Station 4800 Concord Rd. / CN01VP York, SC 29745-9635

803 831 4251 803 831 3221 fax

January 17, 2005

U.S. Nuclear Regulatory Commission Attention: Document Control Desk Washington, D.C. 20555

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

H041

Document Control Desk Page 2 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

2.	Plant: <u>Cataw</u>		on, 4800 Concord I		<u>9745</u>
3.	Plant Unit: 2	4. Owr	ner Certificate of Au	uthorization (if requ	uired): <u>N/A</u>
5.	Commercial S	Service Date: 8/1	19/86 6. National I	Board Number for	Unit: <u>173</u>
7.	Components	Inspected:			
	Component or Appurtenance	Manufacturer Installer	Manufacturer Installer Serial No.	State or Province No.	National Board No.
		See Se	cti <u>on 1.1 in the A</u> ttac	hed Report	
					
	 				

Total number of pages contained in this report 298

			F	ORM NIS-1 (Bac	:k)			
	8.	Examination Dates:	March 27, 20	003	to <u>(</u>	Octobe	r 24, 2004	
	9.	Inspection Period Identific	eation:	Third Period				
ź	10.	Inspection Interval Identifi	cation:	Second Interva	1			·
	11.	Applicable Edition of Sect	ion XI:	1989	_ Add	enda	None	
	12.	Date / Revision of Inspect	tion Plan:	September 9, 1	999 / F	Revision	12	
	13.	Abstract of Examinations status of work required for					tests and a staten ons 2.0, 3.0 and 6.	
	14.	Abstract of Results of Exa	ıminations and	Tests:	Sec	e Section	on 4.0 and 6.0	
	15.	Abstract of Corrective Mea	asures:		<u>Sec</u>	e Subse	ection 4.3	
	Inspe	certify that a) the statement ection Plan as required by of the ASME Code, Section	the ASME Cod					
	Certi	ficate of Authorization No.	(if applicable)	N/A			piration Date	N/A
	Date	1/11/05	Signed <u>Duke</u>	e Energy Corp. Owner	Ву	L!	Kevin Ph	yno
٠			CERTIFICAT	E OF INSERVIC	E INSP	ECTIO	N	
	have 12-3 exam	undersigned, holding a valectors and the State or Proinspected the components of the	vince of <u>Neet</u> s described in t that to the bes en corrective n	this Owner's Rep tof my knowledg neasures describ	ort duri e and t ed in th	emploing the posterior in the posteri	oyed by <u>* HSB</u> of operiod 3-27-6 ne Owner has perf	Connecticut 3to ormed
	conc neith or a	gning this certificate neither erning the examinations, to er the Inspector nor his empty of any kind arising from the last way. It is a spector's Signature	ests, and corre- ployer shall be n or connected	ctive measures de liable in any mad with this inspect	lescribe nner fo tion つみ	ed in this or any p	s Owner's Report.	Furthermore, roperty damage
	Date	e 1-11-05						
	* The 200 Sui Atla (80	e Hartford Steam Boiler Ins O Ashford Center North te 300 anta, GA. 30338-4860 0) 417-3721 w.hsbct.com	pection & Insu	rance Company (of Conr	necticut		,

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:

Reviewed By:

Approved By:

Date

Date

Date

1/4/2005

1/11/05

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 Inspection and Insurance
 Company of Connecticut (AIA)
 c/o Robert McGill
 Catawba Nuclear Station
- 5. Nuclear GO Nuclear Assurance Nuclear Regulatory Issues & Industry Affairs 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 <u>Identification Numbers</u>

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	lonics, Inc.	1S-86P765	N/A	342
Reactor Coolant Pump 2B	lonics, Inc.	2S-86P765	N/A	343

1.1 <u>Identification Numbers</u> (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	lonics, 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 <u>Identification Numbers</u> (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	Joseph Oat Corporation	2A 2267-3C	N/A	848
Exchanger		2B 2267-3D	N/A	849
Containment Spray Heat Exchanger	Yuba Heat Transfer	2A 74-N-009-2A	N/A	3330
	Corporation	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 <u>Identification Numbers</u> (Continued)

Item	Manufacturer or Installer	Manufacturer or Installer Serial No.	State or Province No.	National Board No.
Residual Heat Removal	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

200 Ashford Center North

Address:

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

Examination Category	Description	Inspections Required	Inspections Completed	Percentage Completed	¹ Deferral Allowed
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	
в-н	Integral Attachments for Vessels	5	5 5		No
B-J	Pressure Retaining Welds in Piping	224	192	85.71%	No

Class 1 Inspections

(Continued)

Examination Category				Percentage Completed	¹ Deferral Allowed
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	11	0	0%	Yes
B-M-1	Pressure Retaining Welds in Valve Bodies	1	0	0%	Yes
B-M-2	-2 Valve Body > 4 in. 7 7 Nominal Pipe Size		100%	Yes	
B-N-1	-N-1 Interior of Reactor Vessel 3 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
В-О	B-O Pressure Retaining Welds 3 3 in Control Rod Housings		3	100%	Yes
В-Р	All Pressure Retaining Components	REFERENCE SECTION 6.0 OF THIS REPORT			
B-Q	Steam Generator Tubing		See Note I	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.

¹Deferral 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
С-В	Pressure Retaining Nozzle Welds in Vessels	11	9	81.82%
c-c	C-C Integral Attachments for Vessels, Piping, Pumps, and Valves		55	82.09%
C-D	C-D Pressure Retaining Bolting Greater Than 2" in Diameter		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			39	84.78%
C-G	Pressure Retaining Welds in Pumps and Valves	20	13	65%
С-Н	All Pressure Retaining Components	REFERENCE SECTION 6.0 OF T		OF THIS
F-A	Supports		196	85.59%
F01.020	(Code Case N-491)			

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

Description	Percentage Complete
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

Shell Welds

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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		Inservice Inspection Plan for Interval 2 Outage 6					12/15/2004		
ITEM NUMBE	R ID NUMBER	SYS	ISO/DWG NUMBERS	PROC	INSP REQ I	MAT/SCH I	DIA/THK CA	L BLOCKS	COMMENTS
**** Circum	ferential ****								
	2RPV-101-141 Circumferential	NC	E-8871-141-001 CNM 2201.01-67	*	UT	CS	0.000 5.300	PDI-01	Circumferential Weld 151-101 to 142-101 Lower Head to Shell * Use WesDyne Procedure PDI-ISI-254
Class A					Shell				Reference CNM 2201.01-0205
B01.011.002	2RPV-101-171	NO	E-8871-171-001	•	UT	CS	0.000 8.600	PDI-01	Circumferential Weld 124-101 To 142-101 RPV Shell To Shell
Class A	Circumferential	NC	CNM 2201.01-67				6.600		* Use WesDyne Procedure PDI-ISI-254
Olass A					Shell				•
									Reference CNM 2201.01-0205
301.011.003	2RPV-103-121		E-8871-121-001	*	UT	cs	0.000	PDI-01	Circumferential Weld 124-101 To 122-101 Shell To
	Circumferential	NC	CNM 2201.01-67				8.600		Nozzle Belt
Class A					Nozzle Bel Shell	t to			* Use WesDyne Procedure PDI-ISI-254
					Stiell				Reference CNM 2201.01-0205
Total B01.0	11 Items: 3								
**** Longitu	ıdinai ****								
B01.012.001	2RPV-101-122A	NC	E-8871-122-001 CNM 2201.01-67	*	UT	CS	0.000 10.700	PDI-01	Upper Shell Long. Seam at 42 Degrees Pc. 122-10 * Use WesDyne Procedure PDI-ISI-254
Class A	Longitudinal	NC	CINIVI 2201.01-07		RPV Uppe	r Shell to	10.700		Osc Wesbylle Floodadic F Bi-lot 204
Oluss A					RPV Uppe				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.
	Longitudinal	NC	CNM 2201.01-67				10.700		122-102
Class A					RPV Uppe				* Use WesDyne Procedure PDI-ISI-254
					RPV Uppe	r Snell			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.
	Longitudinal	NC	CNM 2201.01-67				10.700		122-102
Class A					RPV Uppe				* Use WesDyne Procedure PDI-ISI-254
					RPV Uppe	r 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.
	Longitudinal	NC	CNM 2201.01-67				8.600		124-102
Class A					RPV Inter. RPV Inter.				* Use WesDyne Procedure PDI-ISI-254

Shell Welds

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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SYS ISO/DWG NUMBERS PROC INSPIREQ MAT/SCHI DIA/THK CALIBLOCKS COMMENTS ITEM NUMBER ID NUMBER Reference CNM 2201.01-0205

B01.012.005	2RPV-101-124B Longitudinal	NC	E-8871-124-001 CNM 2201.01-67	*	UT	CS	0.000 8.600	PDI-01	Intermediate Shell Long. Seam At 120 Degrees Pc. 124-102
Class A	Congitudinai	NO	CINIVI 2201.01-07				0.000		* Use WesDyne Procedure PDI-ISI-254
0.0007.					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.
	Longitudinal	NC	CNM 2201.01-67				8.600		124-102
Class A					RPV Inter RPV Inte				* Use WesDyne Procedure PDI-ISI-254
					(ii	0			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
	Longitudinal	NC	CNM 2201.01-67				8.600		A. W. D D
Class A					RPV Lowe				* Use WesDyne Procedure PDI-ISI-254
					111 7 2011	or Grion			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.
	Longitudinal	NC	CNM 2201.01-67				8.600		142-102
Class A	-				RPV Low	er Shell to er Shell			* Use WesDyne Procedure PDI-ISI-254
									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.
	Longitudinal	NC	CNM 2201.01-67				8.600		142-102
Class A	•								* Use WesDyne Procedure PDI-ISI-254
					RPV Low	er Shell			Reference CNM 2201.01-0205

Total B01.012 Items:

CATEGORY B-A, Pressure Retaining Welds in

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

Reactor Vessel
Head Welds

Catawba 2

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Inservice Inspection Plan for Interval 2 Outage 6

ITEM NUMBE	R ID NUMBER	SYS	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK CA	L BLOCKS	COMMENTS
**** Circumi	erential ****								
B01.021.001	2RPV-101-151 Circumferential	NC	E-8871-151-001 CNM 2201.01-67	*	UT	CS	0.000 5.300	PDI-01	Circumferential Weld 152-101 To 154-101 RPV Lower Head
Class A	onounioronida.		0.000		RPV Lowe				* Use WesDyne Procedure PDI-ISI-254
					TH V LOVE	ei i lead			Reference CNM 2201.01-0205
Total B01.02	21 Items: 1								
**** Meridio	nai ****								
B01.022.005	2RPV-101-154A	NC	E-8871-154-001	*	UT	CS	0.000 5.300	PDI-01	Meridional Weld Pc. 154-102 0 Degrees RPV Lowe Head
Class A									* Use WesDyne Procedure PDI-ISI-254
					RPV Lowe	er Head			Reference CNM 2201.01.0205
B01.022.006	2RPV-101-154B	NC	E-8871-154-001	*	UT	CS	0.000 5.300	PDI-01	Meridional Weld Pc. 154-102 90 Degrees RPV Lower Head
Class A		NO			RPV Lowe		0.000		* Use WesDyne Procedure PDI-ISI-254
					HEV LOWE	er neau			Reference CNM 2201.01-0205
B01.022.007	2RPV-101-154C		E-8871-154-001	*	UT	CS	0.000	PDI-01	Meridional Weld Pc. 154-102 180 Degrees RPV Lower Head
Class A		NC			RPV Lowe		5.300		* Use WesDyne Procedure PDI-ISI-254
					RPV Lowe	er Head			Reference CNM 2201.01-0205
B01.022.008	2RPV-101-154D		E-8871-154-001	•	UT	CS	0.000	PDI-01	Meridional Weld Pc. 154-102 270 Degrees RPV Lower Head
Class A		NC			RPV Lowe	er Head to	5.300		* Use WesDyne Procedure PDI-ISI-254
					RPV Lowe	er Head			Reference CNM 2201.01-0205

Total B01.022 Items:

CATEGORY B-A, Pressure Retaining Welds in

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

Catawba 2

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Shell-to-Flange Weld

Reactor Vessel

Inservice Inspection Plan for Interval 2 Outage 6

ITEM NUMBE	ER ID NUMBER	SYS	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK C/	AL BLOCKS	COMMENTS
B01.030.001	2RPV-101-121 Circumferential	NC	E-8871-121-001 CNM 2201.01-67	*	UT	CS	0.000 10.700	PDI-01	Circumferential Weld 122-101 To 126-201 Nozzle Belt To Flange UT From Vessel ID
Class A	Oncumeronia	140	O14101 2201.01-07		RPV Noz.	Belt to	10.1.00		* Use WesDyne Procedure PDI-ISI-254
					RPV Flanç	ge			Reference CNM 2201.01-0205

Total B01.030 Items:

Total B01 Items:

CATEGORY B-B, Pressure Retaining Welds in

DUKE ENERGY CORPORATION INSERVICE INSPECTION PLAN MANAGEMENT

Vessels Other Than Reactor Vessels

Inservice Inspection Database Management System

Catawba 2

Inservice Inspection Plan for Interval 2 Outage 6

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								,	
ITEM NUMBE	R ID NUMBER	SYS	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK C	AL BLOCKS	COMMENTS
**** Shell-to	-Head Welds; Longit	udinal **	**						
B02.012.002	2PZR-W9D Longitudinal	NC	CNM 2201.01-110/1	NDE-620	UT	CS	91.500 3.750	50337 50236A	Pressurizer Upper Head To Shell Longitudinal Weld Depending upon the examiner's qualifications,
Class A		110	CNM 2201.01-110/2		PZR Uppe Shell	er Head to	J., 20		Procedure PDI-UT-6 may be used in lieu of Procedure NDE-620.

Total B02.012 Items:

<u>Pressurizer</u>

CATEGORY B-B, Pressure Retaining Welds in

Vessels Other Than Reactor Vessels

Steam Generators (Primary Side)

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

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Inservice	Inspection P	lan for Interva	l 2 Outage 6
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				•				•	
ITEM NUMBI	ER ID NUMBER	SYS	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK C	AL BLOCKS	COMMENTS
**** Tubes	heet-to-Head Weld ****	-						· ·	
B02.040.001	2SGA-01-02 Circumferential	NC	CNM 2201.01-102/1	NDE-620	UT	cs	0.000 5.160	50301 50236A	Steam Generator 2A Channel Head To Tubesheet Depending upon the examiner's qualifications,
Class A			CNM 2201.01-113/1		Channel I Tubeshee				Procedure PDI-UT-6 may be used in lieu of Procedure NDE-620.

Total B02.040 Items:

Total B02 Items:

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

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

Reactor Vessel

Catawba 2 Inservice Inspection Plan for Interval 2 Outage 6

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ITEM NUMBER	ID NUMBER	SYS ISO/DWG NUMBER	S PROC	INSP REQ	MAT/SCH	DIA/THK C	AL BLOCKS	COMMENTS
**** Nozzle-to-\	Vessel welds ****							
B03.090.001 2	RPV-105-121B	CN-1041-14	•	UT	CS	57,000	PDI-01	Injet Nozzle To Sh

ITEM NUMBE	R ID NUMBER	SYS	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK CA	L BLOCKS	COMMENTS
**** Nozzle-	to-Vessel welds ****								
B03.090.001 Class A	2RPV-105-121B Circumferential	NC	CN-1041-14 E 8871-121-001 CNM 2201.01-74/5	•	UT	CS	57.000 10.750	PDI-01	Inlet Nozzle To Shell 67 Degrees Loop B (Reactor Building 113 Degrees). Pc. 128-201 To 122-101. UT From Vessel ID.
Oldoo / Y			511111 LE51.51 1-4/5		Shell				* Use WesDyne Procedure PDI-ISI-254
									Reference CNM 2201.01-0205
B03.090.001A			CN-1041-14	*	UT	CS	57.000	PDI-01	Inlet Nozzle To Shell 67 Degrees Loop B (Reactor
	Circumferential	NC	E 8871-121-001				10.750		Building 113 Degrees). Pc. 128-201 To 122-101. UT From Nozzle ID.
Class A			CNM 2201.01-74/5		Shell				* Use WesDyne Procedure PDI-ISI-254-NZ
									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
	Circumferential	NC	E 8871-121-001				10.750		Building 67 Degrees). Pc. 128-202 To 122-101. UT From Vessel ID.
Class A			CNM 2201.01-74/5		Shell				* Use WesDyne Procedure PDI-ISI-254
									Reference CNM 2201.01-0205
B03.090.002A			CN-1041-14	*	UT	CS	57.000	PDI-01	Inlet Nozzle To Shell 113 Degrees Loop A (Reactor
	Circumferential	NC	E 8871-121-001				10.750		Building 67 Degrees). Pc. 128-202 To 122-101. UT From Nozzle ID.
Class A			CNM 2201.01-74/5		Shell				* Use WesDyne Procedure PDI-ISI-254-NZ
									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
	Circumferential	NC	E 8871-121-001				10.750		Building 293 Degrees). Pc. 128-201 To 122-101. UT From Vessel ID.
Class A			CNM 2201.01-74/5		Shell				* Use WesDyne Procedure PDI-ISI-254
									Reference CNM 2201.01-0205
B03.090.003A		NC	CN-1041-14	*	UT	CS	57.000	PDI-01	Inlet Nozzle To Shell 247 Degrees Loop D (Reactor Building 293 Degrees).
Class A	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		Shell				* Use WesDyne Procedure PDI-ISI-254-NZ
									Deference ONN 0004 04 0005

Reference CNM 2201.01-0205

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

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

Reactor Vessel

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Inservice Inspection Plan for Interval 2 Outage 6

ITEM NUMBE	R ID NUMBER	SYS	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK CA	L BLOCKS	COMMENTS
B03.090.004 Class A	2RPV-105-121C Circumferential	NC	CN-1041-14 E 8871-121-001 CNM 2201.01-74/5	*	UT	CS	57.000 10.750	PDI-01	Inlet Nozzle To Shell 293 Degrees Loop C (Reactor Building 247 Degrees). Pc. 128-202 To 122-101. UT From Vessel ID. * Use
					Shell				WesDyne Procedure PDI-ISI-254
									Reference CNM 2201.01-0205
	2RPV-105-121C		CN-1041-14	*	UT	CS	57.000	PDI-01	Inlet Nozzle To Shell 293 Degrees Loop C (Reactor
Class A	Circumferential	NC	E 8871-121-001 CNM 2201.01-74/5				10.750		Building 247 Degrees). Pc. 128-202 To 122-101. UT From Nozzle ID.
Class A			CIVIVI 2201.01-74/5		Shell				* Use WesDyne Procedure PDI-ISI-254-NZ
									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
Class A	Circumferential	NC	E 8871-121-001 CNM 2201.01-74/5				10.750		Building 158 Degrees). Pc. 128-402 To 122-101. UT From Vessel ID.
Class A			CINIVI 2201.01-74/5		Shell				* Use WesDyne Procedure PDI-ISI-254
									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 (Reacto
Class A	Circumferential	NC	E 8871-121-001 CNM 2201.01-74/5				10.750		Building 158 Degrees). Pc. 128-402 To 122-101. UT From Nozzle ID.
Class A			ONIVI 2201.01-74/3		Shell				* Use WesDyne Procedure PDI-ISI-254-NZ
									Ref. Request For Relief Serial Number 93-02 and Request For Relief Serial Number 94-05 Rev.1.
									Reference CNM 2201.01-0205
B03.090.006	2RPV-107-121A		CN-1041-14	*	UT	CS	53.000	PDI-01	Outlet Nozzle To Shell 158 Degrees Loop A
Olana A	Circumferential	NC	E 8871-121-001				10.750		(Reactor Building 22 Degrees). Pc. 128-401 To 122-101. UT From Vessel ID.
Class A			CNM 2201.01-74/5		Shell				* Use WesDyne Procedure PDI-ISI-254
									Reference CNM 2201.01-0205
B03.090.006A	2RPV-107-121A		CN-1041-14	•	UT	CS	53.000	PDI-01	Outlet Nozzle To Shell 158 Degrees Loop A
Oless A	Circumferential	NC	E 8871-121-001				10.750		(Reactor Building 22 Degrees). Pc. 128-401 To 122-101. UT From Nozzle ID.
Class A			CNM 2201.01-74/5		Shell				* Use WesDyne Procedure PDI-ISI-254-NZ

CATEGORY B-D, Full Penetration Welds of

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

Nozzels in Vessels **Reactor Vessel**

Catawba 2

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			Insc	ervice Insp	12/15/2004				
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
	2RPV-107-121D Circumferential		CN-1041-14 E 8871-121-001 CNM 2201.01-74/5	•	UT Shell	CS	53.000 10.750	PDI-01	Outlet Nozzle To Shell 202 Degrees Loop D (Reactor Building 338 Degrees). Pc. 128-402 To 122-101. UT From Vessel ID. * Use WesDyne Procedure PDI-ISI-254
									Reference CNM 2201.01-0205
	2RPV-107-121D Circumferential	NC	CN-1041-14 E 8871-121-001 CNM 2201.01-74/5	*	UT	CS	53.000 10.750	PDI-01	Outlet Nozzle To Shell 202 Degrees Loop D (Reactor Building 338 Degrees). Pc. 128-402 To 122-101. UT From Nozzle ID. * Use WesDyne Procedure PDI-ISI-254-NZ
									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 Class A	2RPV-107-121C Circumferential	NC	CN-1041-14 E 8871-121-001 CNM 2201.01-74/5	*	UT Shell	CS	53.000 10.750	PDI-01	Outlet Nozzle To Shell 338 Degrees Loop C (Reactor Building 202 Degrees). Pc. 128-401 To 122-101. UT From Vessel ID. * Use WesDyne Procedure PDI-ISI-254
									Reference CNM 2201.01-0205
B03.090.008A Class A	2RPV-107-121C Circumferential	NC	CN-1041-14 E 8871-121-001 CNM 2201.01-74/5	*	UT Shell	CS	53.000 10.750	PDI-01	Outlet Nozzle To Shell 338 Degrees Loop C (Reactor Building 202 Degrees). Pc. 128-401 To 122-101. UT From Nozzle ID * Use WesDyne Procedure PDI-ISI-254-NZ Ref. Request For Relief Serial Number 93-02 and
									Request For Relief Serial Number 94-05 Rev.1.
									Reference CNM 2201.01-0205

CATEGORY B-D, Full Penetration Welds of

Nozzels in Vessels

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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		12/13/2004						
ITEM NUMBER	R ID NUMBER	SYS	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK CAL BLOCKS	COMMENTS
**** Nozzie i	nside Radius Section	***						
B03.100.001 Class A	2RPV-105-121B	NC	CN-1041-14 E 8871-121-001 CNM 2201.01-74/5	*	VT-1	CS	57.000 10.750	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. * Use WesDyne Procedure WDI-STD-088
								Reference CNM 2201.01-0205
B03.100.002 Class A	2RPV-105-121A	NC	CN-1041-14 E 8871-121-001 CNM 2201.01-74/5	*	VT-1	CS	57.000 10.750	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.
					Shell			* Use WesDyne Procedure WDI-STD-088
								Reference CNM 2201.01-0205
B03.100.003 2R	2RPV-105-121D	NC	CN-1041-14 E 8871-121-001	*	VT-1	CS	57.000 10.750	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.
Class A			CNM 2201.01-74/5		Shell			* Use WesDyne Procedure WDI-STD-088
								Reference CNM 2201.01-0205
B03.100.004	2RPV-105-121C	NC	CN-1041-14 E 8871-121-001	*	VT-1	CS	57.000 10.750	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.
Class A			CNM 2201.01-74/5		Shell			* Use WesDyne Procedure WDI-STD-088
								Reference CNM 2201.01-0205
B03.100.005	2RPV-107-121B	NC	CN-1041-14 E 8871-121-001	•	VT-1	CS	53.000 10.750	Outlet Nozzle To Shell 22 Degrees Loop B (Reactor Building 158 Degrees).
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

<u>CATEGORY B-D, Full Penetration Welds of Nozzels in Vessels</u>

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

Reactor Vessel

Catawba 2

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Inservice Inspection Plan for Interval 2 Outage 6

		inservice inspection Flatt for interval 2 Outage o										
ITEM NUMBER	R ID NUMBER	SYS	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK CAL BLOCKS	COMMENTS				
B03.100.006	2RPV-107-121A	NC	CN-1041-14 E 8871-121-001	*	VT-1	cs	53.000 10.750	Outlet Nozzle To Shell 158 Degrees Loop A (Reactor Building 22 Degrees).				
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				
	2RPV-107-121D	NC	CN-1041-14 E 8871-121-001	*	VT-1	CS	53.000 10.750	Outlet Nozzle To Shell 202 Degrees Loop D (Reactor Building 338 Degrees).				
Class A			CNM 2201.01-74/5		Sheil			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	NC	CN-1041-14 E 8871-121-001	•	VT-1	CS	53.000 10.750	Outlet Nozzie To Shell 338 Degrees Loop C (Reactor Building 202 Degrees).				
Class A	, inc	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:

CATEGORY B-D, Full Penetration Welds of

Nozzels in Vessels

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

Catawba 2

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<u>Pressurizer</u> Inservice Inspection Plan for Interval 2 Outage 6

ITEM NUMBE	R ID NUMBER	SYS	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH E	DIA/THK CA	L BLOCKS	COMMENTS
**** Nozzle-	to-Vessel welds ****								
303.110.003	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 Safet Upper Hea	y Nozzle to ad			
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						
303.110.005	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 Safet Upper Hea	y Nozzle to ad			

Total B03.110 Items:

CATEGORY B-D, Full Penetration Welds of

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

Nozzels in Vessels

Pressurizer

Catawba 2

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Inservice Inspection Plan for Interval 2 Outage 6

ITEM NUMBER	R ID NUMBER	SYS	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH D	IA/THK C	AL BLOCKS	COMMENTS
**** Nozzie i	nside Radius Section	****							
B03.120.003	2PZR-W3	NC	CNM 2201.01-110/1 CNM 2201.01-110/2	NDE-680	UT	CS	15.000 3.750	50237D	Pressurizer Safety Nozzle To Upper Head (Inside Radius)
Class A		110	ONN 2201.01 110/2		PZR Safe Upper Hea	ty Nozzle to ad	0.700		······································
B03.120.004	2PZR-W4A	NC	CNM 2201.01-110/1 CNM 2201.01-110/2	NDE-680	UT	CS	15.000 3.750	50237D	Pressurizer Safety Nozzle To Upper Head (Inside Radius)
Class A					PZR Safety Nozzle to Upper Head				,
B03.120.005	2PZR-W4B	NC	CNM 2201.01-110/1 CNM 2201.01-110/2	NDE-680	UT	CS	15.000 3.750	50237D	Pressurizer Safety Nozzle To Upper Head (Inside Radius)
Class A					PZR Safety Nozzle to Upper Head				

Total B03,120 Items:

CATEGORY B-D, Full Penetration Welds of

Nozzels in Vessels

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

Steam Generators (Primary Side)

Catawba 2

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Inservice Inspection Plan for Interval 2 Outage 6

ITEM NUMBER	R ID NUMBER	SYS	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK CA	L BLOCKS	COMMENTS
**** Nozzle Ir	side Radius Section	****							
B03.140.001A Class A	2SGA-INLET	NC	CNM 2201.01-102/2 CNM 2201.01-113/1	NDE-680	UT	CS	39.000 5.160	50235	Steam Generator 2A Primary Inlet Nozzle (Inside Radius Section) 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 Class A	2SGA-OUTLET	NC	CNM 2201.01-102/2 CNM 2201.01-113/1	NDE-680	UT	CS	39.000 5.160	50235	Steam Generator 2A Primary Outlet Nozzle (Inside Radius Section) 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 Class A	2SGC-INLET	NC	CNM 2201.01-102/2 CNM 2201.01-105/1	NDE-680	UT	CS	39.000 5.160	50235	Steam Generator 2C Primary Inlet Nozzle (Inside Radius Section)
B03.140.006 Class A	2SGC-OUTLET	NC	CNM 2201.01-102/2 CNM 2201.01-105/1	NDE-680	UT	CS	39.000 5.160	50235	Steam Generator 2C Primary Outlet Nozzle (Inside Radius Section)
B03.140.007A Class A	2SGD-INLET	NC	CNM 2201.01-102/2 CNM 2201.01-114/1	NDE-680	UT	CS	39.000 5.160	50235	Steam Generator 2D Primary Inlet Nozzle (Inside Radius Section) 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 Class A	2SGD-OUTLET	NC	CNM 2201.01-102/2 CNM 2201.01-114/1	NDE-680	UΤ	CS	39.000 5.160	50235	Steam Generator 2D Primary Outlet Nozzle (Inside Radius Section) A supplemental UT examination will be performed during EOC13 and the results reported at that time.

CATEGORY B-D, Full Penetration Welds of

Nozzels in Vessels

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

Catawba 2

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Steam Generators (Primary Side)

outant.

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

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:

CATEGORY B-F, Pressure Retaining Dissimilar Metal Welds

DUKE ENERGY CORPORATION INSERVICE INSPECTION PLAN MANAGEMENT

Inservice Inspection Database Management System

Reactor Vessel

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Inservice Inspection Plan for Interval 2 Outage 6

ITEM NUMBE	R ID NUMBER	SYS	ISO/DWG NUMBERS	PROC	INSP REQ N	MAT/SCH	DIA/THK CAL	BLOCKS	COMMENTS
**** NPS 4 (or larger; Nozzle-to-Sa	fe End B	Butt Welds ****		= :				
	2RPV-201-121BSE Circumferential Term end Dissimilar	NC	CN-1041-14 E 8871-171-009 CNM 2201.01-74/5	**	UT Nozzle to Safe End	SS-CS	27.500 2.500	* •	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
	2RPV-201-121BSE Circumferential Term end Dissimilar	NC	CN-1041-14 E 8871-171-009 CNM 2201.01-74/5	**	UT Nozzle to Safe End	SS-CS	27.500 2.500	•	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
B05.010.002 Class A	2RPV-201-121ASE Circumferential Term end Dissimilar	NC	CN-1041-14 E 8871-171-009 CNM 2201.01-74/5	**	UT Nozzle to Safe End	SS-CS	27.500 2.500	*	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
B05.010.002A	2RPV-201-121ASE Circumferential Term end Dissimilar	NC	CN-1041-14 E 8871-171-009 CNM 2201.01-74/5	**	UT Nozzle to Safe End	SS-CS	27.500 2.500	•	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
B05.010.003 Class A	2RPV-201-121DSE Circumferential Term end Dissimilar	NC	CN-1041-14 E 8871-171-009 CNM 2201.01-74/5	**	UT Nozzle to Safe End	SS-CS	27.500 2.500	*	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

CATEGORY B-F, Pressure Retaining Dissimilar

DUKE ENERGY CORPORATION INSERVICE INSPECTION PLAN MANAGEMENT

Inservice Inspection Database Management System

Reactor Vessel

Metal Welds

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Ref. Request For Relief Serial Number 94-05.

neactor	VESSEI		Ins	ervice Ins	12/15/2004					
ITEM NUMBE	R ID NUMBER	SYS	ISO/DWG NUMBERS	PROC	INSP REQ N	MAT/SCH	DIA/THK CAL BLO	CKS COMMENTS		
B05.010.003A Class A	2RPV-201-121DSE Circumferential Term end Dissimilar		CN-1041-14 E 8871-171-009 CNM 2201.01-74/5	**	UT Nozzle to Safe End	SS-CS	27.500 * 2.500	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. * NavShips Test Block S/N 045202 ** Use WesDyne Procedure PDI-ISI-254-SE Reference CNM 2201.01-0205		
				**			27 500 *			
Class A	2RPV-201-121CSE Circumferential Term end Dissimilar	NC	CN-1041-14 E 8871-171-009 CNM 2201.01-74/5	••	UT Nozzle to Safe End	SS-CS	27.500 * 2.500	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. * NavShips Test Block S/N 045202 ** Use WesDyne Procedure PDI-ISI-254-SE		
								Reference CNM 2201.01-0205		
B05.010.004A Class A	2RPV-201-121CSE Circumferential Term end Dissimilar	NC	CN-1041-14 E 8871-171-009 CNM 2201.01-74/5	**	UT Nozzle to Safe End	SS-CS	27.500 * 2.500	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. * NavShips Test Block S/N 045202 ** Use WesDyne Procedure PDI-ISI-254-SE		
								Reference CNM 2201.01-0205		
B05.010.005 Class A	2RPV-202-121BSE Circumferential Term end Dissimilar	NC	CN-1041-14 E 8871-171-009 CNM 2201.01-74/5	**	UT SS Nozzle to Safe End	Nozzle to	Nozzle to	SS-CS	29.000 * 2.625	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.
							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		
B05.010.005A	2RPV-202-121BSE Circumferential Term end	NC	CN-1041-14 E 8871-171-009 CNM 2201.01-74/5	**	UT Nozzle to Safe End	SS-CS	29.000 * 2.625	RV Outlet Nozzle To Safe End 22 Degrees Loop B (Reactor Building 158 Degrees). UT From Safe Endided Side. To Be Done With B05.130.001A.		
	Dissimilar				Sale Eliu			Ref. Request For Relief Serial Number 93-02.		

CATEGORY B-F, Pressure Retaining Dissimilar

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

Metal Welds
Reactor Vessel

Catawba 2

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Reference CNM 2201.01-0205

Inservice Inspection Plan for Interval 2 Outage 6

			inse	ervice insp	pection Plan	tor interv	al 2 Outage 6		12/15/2004
ITEM NUMBE	R ID NUMBER	SYS	ISO/DWG NUMBERS	PROC	INSP REQ M	MAT/SCH	DIA/THK CAL BLOO	S COMMENTS * NavShips Test Block ** Use WesDyne Proc	
								Reference CNM 2201.	01-0205
	2RPV-202-121ASE Circumferential Term end	NC	CN-1041-14 E 8871-171-009 CNM 2201.01-74/5	**	UT Nozzle to	SS-CS	29.000 * 2.625		afe End 158 Degrees Loop A legrees). UT From Nozzle th B05.130.005.
	Dissimilar				Safe End				of Serial Number 93-02. of Serial Number 94-05.
								* NavShips Test Block ** Use WesDyne Proc	
								Reference CNM 2201	01-0205
B05.010.006A	2RPV-202-121ASE Circumferential Term end	NC	CN-1041-14 E 8871-171-009 CNM 2201.01-74/5	**	UT Nozzie to	SS-CS	29.000 * 2.625		Safe End 158 Degrees Loop A Degrees). UT From Safe End ith B05.130.005A.
	Dissimilar				Safe End				ef Serial Number 93-02. ef Serial Number 94-05.
								* NavShips Test Block ** Use WesDyne Prod	: S/N 045202 edure PDI-ISI-254-SE
								Reference CNM 2201	.01-0205
B05.010.007 Class A	2RPV-202-121DSE Circumferential Term end	NC	CN-1041-14 E 8871-171-009 CNM 2201.01-74/5	**	UT Nozzle to	SS-CS	29.000 * 2.625		Safe End 202 Degrees Loop D Degrees). UT From Nozzle /ith B05.130.009.
	Dissimilar		2		Safe End			· ·	ef Serial Number 93-02. ef Serial Number 94-05.
								* NavShips Test Block ** Use WesDyne Prod	c S/N 045202 redure PDI-ISI-254-SE

CATEGORY B-F, Pressure Retaining Dissimilar

DUKE ENERGY CORPORATION INSERVICE INSPECTION PLAN MANAGEMENT

Inservice Inspection Database Management System

Reactor Vessel

Metal Welds

Catawba 2

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Inservice I	Inspection	Plan for	Interval 2	2 Outage 6
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ITEM NUMBE	R ID NUMBER	SYS	ISO/DWG NUMBERS	PROC	INSP REQ I	MAT/SCH	DIA/THK CAL BLOC	KS COMMENTS
B05.010.007A Class A	2RPV-202-121DSE Circumferential Term end Dissimilar	NC	CN-1041-14 E 8871-171-009 CNM 2201.01-74/5	**	UT Nozzle to Safe End	SS-CS	29.000 * 2.625	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. 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 Class A	2RPV-202-121CSE Circumferential Term end Dissimilar	NC	CN-1041-14 E 8871-171-009 CNM 2201.01-74/5	**	UT Nozzle to Safe End	SS-CS	29.000 * 2.625	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. 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 Class A	2RPV-202-121CSE Circumferential Term end Dissimilar	NC	CN-1041-14 E 8871-171-009 CNM 2201.01-74/5	AR	UT Nozzie to Safe End	SS-CS	29.000 • 2.625	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. 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:

<u>Pressurizer</u>

<u>CATEGORY B-F. Pressure Retaining Dissimilar</u>
<u>Metal Welds</u>

DUKE ENERGY CORPORATION INSERVICE INSPECTION PLAN MANAGEMENT

Inservice Inspection Database Management System

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Inservice Inspection Plan for Interval 2 Outage 6

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				•			vai 2 Outage			
ITEM NUMBE	R ID NUMBER	SYS	ISO/DWG NUMBERS	PROC	INSP REQ N	MAT/SCH	DIA/THK CA	L BLOCKS	COMMENTS	
**** NPS 4 0	or Larger; Nozzie-to-Sa	afe End l	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				Nozzle to					
	Dissimilar				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				Nozzie to					
	Dissimilar				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				Nozzle to					
	Dissimilar				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				Nozzle to					
	Dissimilar				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				Nozzie to					
	Dissimilar				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				Nozzle to					
	Dissimilar				Safe End					

<u>CATEGORY B-F, Pressure Retaining Dissimilar</u>
<u>Metal Welds</u>

DUKE ENERGY CORPORATION
INSERVICE INSPECTION PLAN MANAGEMENT

Inservice Inspection Database Management System

Steam Generator

Catawba 2

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Inservice Inspection Plan for Interval 2 Outage 6

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ITEM NUMBE	R ID NUMBER	SYS	ISO/DWG NUMBERS	PROC	INSP REQ I	MAT/SCH	DIA/THK CAL BLOCKS	COMMENTS
**** NPS 4 d	or Larger; Nozzle-to-Sa	efe End I	Butt Welds ****					
B05.070.001 Class A	2SGA-INLET-SE Circumferential	NC	CNM 2201.01-113/1 CN-2NC-009 CNM 2201.01-0217	NDE-12	RT Nozzle to	SS-CS	31.000 2.500	SG2A Inlet Nozzle Safe End Centrifugal Cast Stainless Steel
0.00011	Dissimilar				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			CNM 2201.01-0217		Nozzle to			
	Dissimilar				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			CNM 2201.01-0217		Nozzle to Safe End			
	Dissimilar							
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		Nozzle to		2.500	
Class A	Dissimilar		CNM 2201.01-0217		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
B05.070.004	Circumferential	NC	CNW 2201.01-100/1	NDC-12	nı	33-03	2.500	SOZD Odliet Nozzie Sale Liid
Class A	Olicumerenda	140	CNM 2201.01-0217		Nozzle to		2.000	
0.00071	Dissimilar		••••••••••••••••••••••••••••••••••••••		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			CNM 2201.01-0217		Nozzle to			
	Dissimilar				Safe End			
B05.070.005	2SGC-INLET-SE		CNM 2201.01-105/1	NDE-12	RT	SS-CS	31.000	SG2C Inlet Nozzie Safe End
	Circumferential	NC	CN-2NC-013				2.500	Centrifugal Cast Stainless Steel
Class A			CNM 2201.01-0217		Nozzle to			Schedule for re-examination in EOC15, EOC17 and
	Dissimilar				Safe End			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 Centrifugal Cast
	Circumferential	NC	CN-2NC-013				2.500	Stainless Steel
Class A			CNM 2201.01-0217		Nozzle to			
	Dissimilar				Safe End			

<u>CATEGORY B-F, Pressure Retaining Dissimilar</u>
<u>Metal Welds</u>

DUKE ENERGY CORPORATION INSERVICE INSPECTION PLAN MANAGEMENT

Inservice Inspection Database Management System

Steam Generator

Catawba 2

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Inservice Inspection Plan for Interval 2 Outage 6

ITEM NUMBE	R ID NUMBER	SYS	ISO/DWG NUMBERS	PROC	INSP REQ N	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			
	Dissimilar				Safe End			
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			·
	Dissimilar				Safe End			
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		Nozzie to			
	Dissimilar				Safe End			
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			
	Dissimilar				Safe End			

Total B05.070 Items:

<u>Piping</u>

CATEGORY B-F, Pressure Retaining Dissimilar

DUKE ENERGY CORPORATION INSERVICE INSPECTION PLAN MANAGEMENT

Metal Welds

Inservice Inspection Database Management System

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Inservice Inspection Plan for Interval 2 Outage 6

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			ms	ervice insp	ection Plai	n for miler	vai z Outage o		122107201
ITEM NUMBE	R ID NUMBER	SYS	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK CAL B	LOCKS	COMMENTS
**** NPS 4 c	or Larger; Dissimilar N	ietal But	t Welds ****						
305.130.001	2NC11-01 Circumferential Dissimilar		CN-2NC-011 CN-2553-1.0	**	UT Safe End Pipe	SS-CS to	29.000 2.625	*	Outlet Nozzle 22 Degrees Loop B (Reactor Building 158 Degrees). UT from Safe End Side. To be done with B05.010.005. 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
B05.130.001A Class A	2NC11-01 Circumferential Dissimilar	NC	CN-2NC-011 CN-2553-1.0	**	UT Safe End Pipe	SS-CS	29.000 2.625	*	Outlet Nozzle 22 Degrees Loop B (Reactor Building 158 Degrees). UT from Pipe Side. To be done with B05.010.005A. 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
Class A	Circumferential Term end Dissimilar	NC	CN-2553-1.0 CNM 2201.01-0217		Safe End Pipe	I to	2.500		Oentinugai Oast Stailliess Steel
B05.130.003 Class A	2NC9-03 Circumferential Term end Dissimilar	NC	CN-2NC-009 CN-2553-1.0 CNM 2201.01-0217	NDE-12	RT Safe End Pipe	SS-CS I to	31.000 2.500		To be done with B05.070.002. Centrifugal Cast Stainless Steel
B05.130.004 Class A	2NC11-08 Circumferential Dissimilar	NC	CN-2NC-011 CN-2553-1.0	**	UT Safe End Pipe	SS-CS I to	27.500 2.500	•	Inlet Nozzle 67 Degrees Loop B (Reactor Building 113 Degrees). UT from Safe End Side. To be don with B05.010.001. * NavShips Test Block S/N 045202 ** Use WesDyne Procedure PDI-ISI-254-SE

<u>Piping</u>

<u>CATEGORY B-F, Pressure Retaining Dissimilar</u> <u>Metal Welds</u> 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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ITEM NUMBE	R ID NUMBER	SYS	ISO/DWG NUMBERS	PROC	INSP REQ M	IAT/SCH	DIA/THK CAL	BLOCKS	COMMENTS Reference CNM 2201.01-0205
B05.130.004A	2NC11-08 Circumferential	NC	CN-2NC-011 CN-2553-1.0	**	UT Safe End to	SS-CS	27.500 2.500	*	Inlet Nozzle 67 Degrees Loop B (Reactor Building 113 Degrees). UT from Pipe Side. To be done with B05.010.001A.
Class A	Dissimilar				Pipe				* NavShips Test Block S/N 045202 ** Use WesDyne Procedure PDI-ISI-254-SE
									Reference CNM 2201.01-0205
B05.130.005 Class A	2NC9-01 Circumferential Dissimilar	NC	CN-2NC-009 CN-2553-1.0	**	UT Safe End to Pipe	SS-CS	29.000 2.625	•	Outlet Nozzle 158 Degrees Loop A (Reactor Building 22 Degrees). UT from Safe End Side. To be done with B05.010.006. 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	Circumferential	NC	CN-2NC-009 CN-2553-1.0	**	UT Safe End to	SS-CS	29.000 2.625	*	Outlet Nozzle 158 Degrees Loop A (Reactor Building 22 Degrees). UT from Pipe Side. To be done with B05.010.006A.
	Dissimilar				Pipe				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 Circumferential	NC	CN-2NC-011 CN-2553-1.0	NDE-12	RT	SS-CS	31.000 2.500		To be done with B05.070.003
Class A	Term end Dissimilar		CNM 2201.01-0217		Safe End to Pipe)			

CATEGORY B-F, Pressure Retaining Dissimilar Metal Welds

DUKE ENERGY CORPORATION INSERVICE INSPECTION PLAN MANAGEMENT

Inservice Inspection Database Management System

Piping

Catawba 2

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ITEM NUMBE		SYS	ISO/DWG NUMBERS	PROC	INSP REQ N	MAT/SCH	DIA/THK CAL BLOCKS	COMMENTS
B05.130.006A	N 2NC11-02		CN-2NC-011	NDE-35	PT	SS-CS	31.000	To be done with B05.070.003A
	Circumferential		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	NC11-03		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	5		with B05.010.002.
	Dissimilar				Pipe			
								* NavShips Test Block S/N 045202 ** Use WesDyne Procedure PDI-ISI-254-SE
								Reference CNM 2201.01-0205
B05.130.008/	NC9-08	_	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	0		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	0		be done with B05.010.007.
	Dissimilar				Pipe			Det Demonstra Bellita College
								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

Metal Welds

ITEM NUMBER

Piping

CATEGORY B-F, Pressure Retaining Dissimilar

ID NUMBER

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

Catawba 2

Inservice Inspection Plan for Interval 2 Outage 6

SYS ISO/DWG NUMBERS PROC INSP REQ MAT/SCH DIA/THK CAL BLOCKS COMMENTS

Reference CNM 2201.01-0205

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Outlet Nozzle 202 Degrees Loop D (Reactor B05.130.009A 2NC15-01 CN-2NC-015 UT SS-CS 29.000 Building 338 Degrees). UT from Pipe Side. To be 2.625 NC CN-2553-1.0 Circumferential done with B05.010.007A Safe End to Class A 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 To be done with B05.070.005 CN-2NC-013 RT SS-CS 31,000 B05.130.010 2NC13-02 NDE-12 Centrifugal Cast Stainless Steel 2.500 Circumferential CN-2553-1.0 Schedule for re-examination in EOC15, EOC17 and Safe End to Term end CNM 2201.01-0217 Class A EOC20 in accordance with ASME Section XI, Pipe Dissimilar Paragraph IWB-2420(b). B05.130.010A 2NC13-02 CN-2NC-013 **NDE-35** PT SS-CS 31.000 To be done with B05.070.005A CN-2553-1.0 2.500 Circumferential Safe End to Term end CNM 2201.01-0217 Class A Pipe Dissimilar 2NC13-03 CN-2NC-013 **NDE-12** RT SS-CS 31.000 To be done with B05.070.006 B05.130.011 Centrifugal Cast Stainless Steel 2.500 CN-2553-1.0 Circumferential Safe End to Term end CNM 2201.01-0217 Class A Pipe Dissimilar To be done with B05.070.006A B05.130.011A 2NC13-03 CN-2NC-013 **NDE-35** PT SS-CS 31.000 2.500 NC CN-2553-1.0 Circumferential Safe End to Class A Term end CNM 2201.01-0217 Pipe Dissimilar

CATEGORY B-F, Pressure Retaining Dissimilar

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

Metal Welds
Piping

Catawba 2

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Inservice Inspection Plan for Interval 2 Outage 6

ITEM NUMBE	R ID NUMBER	SYS	ISO/DWG NUMBERS	PROC	INSP REQ N	MAT/SCH	DIA/THK CAL BLC	CKS COMMENTS
05.130.012 Class A	2NC15-08 Circumferential	NC	CN-2NC-015 CN-2553-1.0	**	UT Safe End to	SS-CS	27.500 * 2.500	Inlet Nozzle 247 Degrees Loop D (Reactor Building 293 Degrees). UT from Safe End Side. To be done with B05.010.003.
	Dissimilar				Pipe			* NavShips Test Block S/N 045202 ** Use WesDyne Procedure PDI-ISI-254-SE
								Reference CNM 2201.01-0205
305.130.012A	2NC15-08		CN-2NC-015	**	UT	SS-CS	27.500 *	Inlet Nozzle 247 Degrees Loop D (Reactor Building
Olasa A	Circumferential	NC	CN-2553-1.0		Safe End to	^	2.500	293 Degrees). UT from Pipe Side. To be done wit B05.010.003A.
Class A	Dissimilar				Pipe	J		Centrifugal Cast Stainless Steel
								* NavShips Test Block S/N 045202 ** Use WesDyne Procedure PDI-ISI-254-SE
								Reference CNM 2201.01-0205
B05.130.013	2NC13-01 Circumferential	NC	CN-2NC-013 CN-2553-1.0	**	UT	SS-CS	29.000 * 2.625	Outlet Nozzle 338 Degrees Loop C (Reactor Building 202 Degrees). UT from Safe End Side. To
Class A	Dissipallan				Safe End to Pipe	0		be done with B05.010.008.
	Dissimilar				i ipo			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			CN-2NC-013	**	UT	SS-CS	29.000 *	Outlet Nozzle 338 Degrees Loop C (Reactor
Class A	Circumferential	NC	CN-2553-1.0		Safe End t	0	2.625	Building 202 Degrees). UT from Pipe Side. To be done with B05.010.008A.
	Dissimilar				ripe			Ref. Request For Relief Serial Number 93-02. Ref. Request For Relief Serial Number 94-05. Centrifugal Cast Stainless Steel
			1					* NavShips Test Block S/N 045202

^{*} NavShips Test Block S/N 045202

^{**} Use WesDyne Procedure PDI-ISI-254-SE

Piping

<u>CATEGORY B-F, Pressure Retaining Dissimilar</u> Metal Welds

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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ITEM NUMBER ID NUMBER SYS ISO/DWG NUMBERS PROC INSP REQ MAT/SCH DIA/THK CAL BLOCKS COMMENTS

Reference CNM 2201.01-0205

B05.130.014	2NC15-02		CN-2NC-015	NDE-12	RT	SS-CS	31.000 2.500		To be done with B05.070.007. Centrifugal Cast Stainless Steel
Class A	Circumferential Term end Dissimilar	NC	CN-2553-1.0 CNM 2201.01-0217		Safe End Pipe	to	2.500		Gentinugai Gast Stainless Steel
B05.130.015	2NC15-03 Circumferential	NC	CN-2NC-015 CN-2553-1.0	NDE-12	RT	SS-CS	31.000 2.500		To be done with B05.070.008.
Class A	Term end Dissimilar		CNM 2201.01-0217		Safe End Pipe	to			
B05.130.016	2NC13-08 Circumferential	NC	CN-2NC-013 CN-2553-1.0	**	UT	SS-CS	27.500 2.500	*	Inlet Nozzle 293 Degrees Loop C (Reactor Building 247 Degrees). UT from Safe End Side. To be done
Class A					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
B05.130.016	2NC13-08 Circumferential	NC	CN-2NC-013 CN-2553-1.0	**	UT	SS-CS	27.500 2.500	*	Inlet Nozzle 293 Degrees Loop C (Reactor Building 247 Degrees). UT from Pipe Side. To be done with
Class A					Safe End	l 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:

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

DUKE ENERGY CORPORATION INSERVICE INSPECTION PLAN MANAGEMENT

Inservice Inspection Database Management System

Catawba 2

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Reactor Vessel

Inservice Inspection Plan for Interval 2 Outage 6

			1113	CIAICE IIIS	Jection Flai	it ioi ilirei	vai z Gulage o	
TEM NUMBER	I ID NUMBER	SYS	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK CAL BLOCKS	COMMENTS
**** Closure	Head Nuts ****						· · · · · ·	
306.010.037	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								
06.010.038	2RPV-179-102-38		E 8871-179-001	NDE-25	MT	CS	10.580	RPV Closure Head Nut 2RPV-NUT-38
		NC	CNM 2201.01-67				1.857	
Class A								
06.010.039	2RPV-179-102-39		E 8871-179-001	NDE-25	MT	cs	10.580	RPV Closure Head Nut 2RPV-NUT-39
		NC	CNM 2201.01-67				1.857	
Class A								
06.010.040	2RPV-179-102-40		E 8871-179-001	NDE-25	MT	CS	10.580	RPV Closure Head Nut 2RPV-NUT-40
		NC	CNM 2201.01-67				1.857	
Class A								
306.010.041	2RPV-179-102-41		E 8871-179-001	NDE-25	MT	cs	10.580	RPV Closure Head Nut 2RPV-NUT-41
		NC	CNM 2201.01-67				1.857	
Class A								
306.010.042	2RPV-179-102-42		E 8871-179-001	NDE-25	MT	CS	10.580	RPV Closure Head Nut 2RPV-NUT-42
		NC	CNM 2201.01-67				1.857	
Class A								
306.010.043	2RPV-179-102-43		E 8871-179-001	NDE-25	MT	CS	10.580	RPV Closure Head Nut 2RPV-NUT-43
		NC	CNM 2201.01-67				1.857	
Class A								
306.010.044	2RPV-179-102-44A		E 8871-179-001	NDE-25	MT	CS	10.580	RPV Closure Head Nut 2RPV-NUT-44A
		NC	CNM 2201.01-67				1.857	
Class A			i i					•

CATEGORY B-G-1, Pressure Retaining Bolting,

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

Greater than 2" In Diameter

Catawba 2

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Reactor Vessel Inservice Inspection Plan for Interval 2 Outage 6

			ins	ervice insp	ection Pla	n ior inter	vai 2 Outage 6	123 10/2
ITEM NUMBER	ID NUMBER	SYS	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK CAL BLOCKS	COMMENTS
306.010.045	2RPV-179-102-45		E 8871-179-001	NDE-25	MT	CS	10.580	RPV Closure Head Nut 2RPV-NUT-45
		NC	CNM 2201.01-67				1.857	
Class A								
306.010.046	2RPV-179-102-46		E 8871-179-001	NDE-25	MT	CS	10.580	RPV Closure Head Nut 2RPV-NUT-46
		NC	CNM 2201.01-67				1.857	
Class A								
306.010.047	2RPV-179-102-47		E 8871-179-001	NDE-25	MT	CS	10.580	RPV Closure Head Nut 2RPV-NUT-47
		NC	CNM 2201.01-67				1.857	
Class A								
306.010.048	2RPV-179-102-48		E 8871-179-001	NDE-25	MT	CS	10.580	RPV Closure Head Nut 2RPV-NUT-48
		NC	CNM 2201.01-67				1.857	
Class A								
306.010.049	2RPV-179-102-49		E 8871-179-001	NDE-25	MT	CS	10.580	RPV Closure Head Nut 2RPV-NUT-49
		NC	CNM 2201.01-67				1.857	
Class A								
306.010.050	2RPV-179-102-50		E 8871-179-001	NDE-25	MT	CS	10.580	RPV Closure Head Nut 2RPV-NUT-50
		NC	CNM 2201.01-67				1.857	
Class A								
B06.010.051	2RPV-179-102-51		E 8871-179-001	NDE-25	MT	CS	10.580	RPV Closure Head Nut 2RPV-NUT-51
		NC	CNM 2201.01-67				1.857	
Class A								
B06.010.052	2RPV-179-102-52		E 8871-179-001	NDE-25	MT	CS	10.580	RPV Closure Head Nut 2RPV-NUT-52
		NC	CNM 2201.01-67				1.857	
Class A			ŧ					•
B06.010.053	2RPV-179-102-53		E 8871-179-001	NDE-25	MT	CS	10.580	RPV Closure Head Nut 2RPV-NUT-53
		NC	CNM 2201.01-67				1.857	
Class A								

CATEGORY B-G-1, Pressure Retaining Bolting.

DUKE ENERGY CORPORATION

INSERVICE INSPECTION PLAN MANAGEMENT

Greater than 2" In Diameter

Inservice Inspection Database Management System

Catawba 2

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Plan Report

Reactor Vessel

PROC

NDE-25

Inservice Inspection Plan for Interval 2 Outage 6

INSP REQ MAT/SCH DIA/THK CAL BLOCKS COMMENTS

B06.010.054 2RPV-179-102-54

SYS ISO/DWG NUMBERS E 8871-179-001

MT CS 10.580

RPV Closure Head Nut 2RPV-NUT-54

NC CNM 2201.01-67

1.857

7

Class A

ITEM NUMBER

Total B06.010 Items:

18

ID NUMBER

,

CATEGORY B-G-1, Pressure Retaining Bolting,

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

Greater than 2" In Diameter

Reactor Vessel

Catawba 2

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Inservice Inspection Plan for Interval 2 Outage 6

		IIIS	ervice ilisp	ection Pia	n for inter	vai z Outag	e 0		
ID NUMBER	SYS	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK CA	L BLOCKS	COMMENTS	
Studs, when remove	ed ****								
2RPV-179-101-37		E 8871-179-001	PDI-UT-5	UT	CS	7.000	50501	RPV Closure Stud 2RPV-STUD-3	7
	NC	CNM 2201.01-67				57.688			
2RPV-179-101-37		E 8871-179-001	NDE-25	MT	CS	7.000		RPV Closure Stud 2RPV-STUD-3	7
	NC	CNM 2201.01-67				57.688			
2RPV-179-101-38		E 8871-179-001	PDI-UT-5	UT	CS	7.000	50501	RPV Closure Stud 2RPV-STUD-3	38
	NC	CNM 2201.01-67				57.688			
2RPV-179-101-38	<u> </u>	E 8871-179-001	NDE-25	MT	CS	7.000		RPV Closure Stud 2RPV-STUD-3	38
	NC	CNM 2201.01-67				57.688			
2RPV-179-101-39		E 8871-179-001	PDI-UT-5	UT	cs	7.000	50501	RPV Closure Stud 2RPV-STUD-3	39
	NC	CNM 2201.01-67				57.688			
2RPV-179-101-39		E 8871-179-001	NDE-25	MT	CS	7.000		RPV Closure Stud 2RPV-STUD-3	 39
	NC	CNM 2201.01-67				57.688			
2RPV-179-101-40		E 8871-179-001	PDI-UT-5	UT	CS	7.000	50501	RPV Closure Stud 2RPV-STUD-	40
	NC	CNM 2201.01-67				57.688			
2RPV-179-101-40		E 8871-179-001	NDE-25	MT	CS	7.000		RPV Closure Stud 2RPV-STUD-	40
	NC	CNM 2201.01-67				57.688			
	2RPV-179-101-37 2RPV-179-101-37 2RPV-179-101-38 2RPV-179-101-39 2RPV-179-101-39	Studs, when removed **** 2RPV-179-101-37 NC 2RPV-179-101-37 NC 2RPV-179-101-38 NC 2RPV-179-101-39 NC 2RPV-179-101-39 NC	ID NUMBER SYS ISO/DWG NUMBERS	ID NUMBER SYS ISO/DWG NUMBERS PROC	Studs, when removed ***** SYS ISO/DWG NUMBERS PROC INSP REQ Studs, when removed ***** E 8871-179-001 NC CNM 2201.01-67 PDI-UT-5 UT 2RPV-179-101-37 E 8871-179-001 NDE-25 MT NDE-25 MT 2RPV-179-101-38 E 8871-179-001 NDE-25 MT PDI-UT-5 UT 2RPV-179-101-38 E 8871-179-001 NDE-25 MT NDE-25 MT 2RPV-179-101-39 E 8871-179-001 NDE-25 MT NDE-25 MT 2RPV-179-101-39 E 8871-179-001 NDE-25 MT NDE-25 MT 2RPV-179-101-39 E 8871-179-001 NDE-25 MT NDE-25 MT 2RPV-179-101-40 E 8871-179-001 NDE-25 MT NDE-25 MT 2RPV-179-101-40 E 8871-179-001 NDE-25 MT NDE-25 MT	ID NUMBER SYS ISO/DWG NUMBERS PROC INSP REQ MAT/SCH	ID NUMBER SYS ISO/DWG NUMBERS PROC INSP REQ MAT/SCH DIA/THK CASTUDE, when removed	Studs, when removed **** 2RPV-179-101-37 E 8871-179-001 NC CNM 2201.01-67 PDI-UT-5 UT CS 7.000 57.688 2RPV-179-101-37 E 8871-179-001 NC CNM 2201.01-67 NC CNM 2201.01-67 RC CNM 2201.01-67 PDI-UT-5 UT CS 7.000 57.688 2RPV-179-101-38 E 8871-179-001 NC CNM 2201.01-67 NC CNM 2201.01-67 RC CNM 2201.01-67 DIT CS 7.000 57.688 2RPV-179-101-38 E 8871-179-001 NC CNM 2201.01-67 DIT CS 7.000 57.688 2RPV-179-101-39 E 8871-179-001 NC CNM 2201.01-67 DIT CS 7.000 57.688 2RPV-179-101-39 E 8871-179-001 NC CNM 2201.01-67 DIT CS 7.000 57.688 2RPV-179-101-39 E 8871-179-001 NC CNM 2201.01-67 DIT CS 7.000 57.688 2RPV-179-101-39 E 8871-179-001 NC CNM 2201.01-67 NC CNM 2201.01-67 RC CNM 2201.01-67 RC CNM 2201.01-67 RC S 7.000 50501 57.688	ID NUMBER SYS ISO/DWG NUMBERS PROC INSP REQ MAT/SCH DIA/THK CAL BLOCKS COMMENTS

Class A

CATEGORY B-G-1, Pressure Retaining Bolting.

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

Greater than 2" In Diameter

Catawba 2

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Reactor Ve	essel	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 CA	L BLOCKS	COMMENTS		
306.030.041	2RPV-179-101-41		E 8871-179-001	PDI-UT-5	UT	CS	7.000	50501	RPV Closure Stud 2RPV-STUD-41		
		NC	CNM 2201.01-67				57.688				
Class A											
306.030.041A	2RPV-179-101-41		E 8871-179-001	NDE-25	MT	cs	7.000		RPV Closure Stud 2RPV-STUD-41	· · · · · · · · · · · · · · · · · · · 	
		NC	CNM 2201.01-67				57.688				
Class A											
306.030.042	2RPV-179-101-42		E 8871-179-001	PDI-UT-5	UT	CS	7.000	50501	RPV Closure Stud 2RPV-STUD-42		
		NC	CNM 2201.01-67				57.688				
Class A											
B06.030.042A	2RPV-179-101-42		E 8871-179-001	NDE-25	MT	CS	7.000		RPV Closure Stud 2RPV-STUD-42		
		NC	CNM 2201.01-67				57.688				
Class A											
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		
		NC	CNM 2201.01-67				57.688				
Class A											
B06.030.043A	2RPV-179-101-43		E 8871-179-001	NDE-25	MT	CS	7.000		RPV Closure Stud 2RPV-STUD-43		
		NC	CNM 2201.01-67				57.688				
Class A											
B06.030.044	2RPV-179-101-44A		E 8871-179-001	PDI-UT-5	UT	CS	7.000	50501	RPV Closure Stud 2RPV-STUD-44	A	
		NC	CNM 2201.01-67				57.688				
Class A											
B06.030.044A	2RPV-179-101-44A	 "	E 8871-179-001	NDE-25	MT	CS	7.000		RPV Closure Stud 2RPV-STUD-44	A	
		NC	CNM 2201.01-67				57.688		•		
Class A											
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		
		NC	CNM 2201.01-67				57.688				

CATEGORY B-G-1, Pressure Retaining Bolting,

Greater than 2" In Diameter

Reactor Vessel

DUKE ENERGY CORPORATION INSERVICE INSPECTION PLAN MANAGEMENT

Inservice Inspection Database Management System

Catawba 2

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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	DIA/THK CA	L BLOCKS	COMMENTS		
06.030.045A	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											
306.030.046	2RPV-179-101-46		E 8871-179-001	PDI-UT-5	UT	CS	7.000	50501	RPV Closure Stud 2RPV-STUD-46		
Class A		NC	CNM 2201.01-67				57.688				
06.030.046A	2RPV-179-101-46		E 8871-179-001	NDE-25	MT	CS	7.000	<u></u>	RPV Closure Stud 2RPV-STUD-46		
Class A		NC	CNM 2201.01-67				57.688				
306.030.047	2RPV-179-101-47		E 8871-179-001	PDI-UT-5	UT	cs	7.000	50501	RPV Closure Stud 2RPV-STUD-47	 .	
Class A		NC	CNM 2201.01-67				57.688				
306.030.047A	2RPV-179-101-47		E 8871-179-001	NDE-25	MT	CS	7.000		RPV Closure Stud 2RPV-STUD-47		
Class A		NC	CNM 2201.01-67				57.688				
		· · · · · · · · · · · · · · · · · · ·						· · · ·			
306.030.048	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											
306.030.048A	2RPV-179-101-48	NO	E 8871-179-001	NDE-25	MT	CS	7.000 57.688		RPV Closure Stud 2RPV-STUD-48		
Class A		NC	CNM 2201.01-67				57.000				
306.030.049	2RPV-179-101-49		E 8871-179-001	PDI-UT-5	UT	CS	7.000	50501	RPV Closure Stud 2RPV-STUD-49		
Class A		NC	CNM 2201.01-67				57.688				
306.030.049A	2RPV-179-101-49		E 8871-179-001	NDE-25	MT	CS	7.000		RPV Closure Stud 2RPV-STUD-49	<u></u>	
Class A		NC	CNM 2201.01-67				57.688				

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

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

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Reactor Vessel	Catawba 2
	Inservice Inspection Plan for Interval 2 Outage 6

		Inservice Inspection Plan for Interval 2 Outage 6									
TEM NUMBER	ID NUMBER	SYS	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK CA	L BLOCKS	COMMENTS		
06.030.050	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											
306.030.050A	2RPV-179-101-50		E 8871-179-001	NDE-25	MT	CS	7.000 57.688		RPV Closure Stud 2RPV-STUD-50		
Class A		NC	CNM 2201.01-67				57.000				
06.030.051	2RPV-179-101-51	. 1 . 1	E 8871-179-001	PDI-UT-5	UT	CS	7.000	50501	RPV Closure Stud 2RPV-STUD-51		
Class A		NC	CNM 2201.01-67				57.688				
306.030.051A	2RPV-179-101-51		E 8871-179-001	NDE-25	MT	CS	7.000		RPV Closure Stud 2RPV-STUD-51		
Class A		NC	CNM 2201.01-67				57.688				
06.030.052	2RPV-179-101-52		E 8871-179-001	PDI-UT-5	UT	CS	7.000	50501	RPV Closure Stud 2RPV-STUD-52		
Class A		NC	CNM 2201.01-67				57.688				
06.030.052A	2RPV-179-101-52		E 8871-179-001	NDE-25	MT	CS	7.000		RPV Closure Stud 2RPV-STUD-52		
Class A		NC	CNM 2201.01-67				57.688				
06.030.053	2RPV-179-101-53		E 8871-179-001	PDI-UT-5	UT	CS	7.000	50501	RPV Closure Stud 2RPV-STUD-53		
Class A		NC	CNM 2201.01-67				57.688				
06.030.053A	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											
306.030.054	2RPV-179-101-54	NC	E 8871-179-001	PDI-UT-5	UT	CS	7.000 57.688	50501	RPV Closure Stud 2RPV-STUD-54		
Class A		NC	CNM 2201.01-67				57.008				

CATEGORY B-G-1. Pressure Retaining Bolting.

DUKE ENERGY CORPORATION

INSERVICE INSPECTION PLAN MANAGEMENT

Greater than 2" In Diameter

Inservice Inspection Database Management System

Catawba 2

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Reactor Vessel

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

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:

Class A

CATEGORY B-G-1, Pressure Retaining Bolting,

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

Greater than 2" In Diameter

Plan Report Page 37

Reactor V	/essel		Catawba 2 Inservice Inspection Plan for Interval 2 Outage 6									
ITEM NUMBE	R ID NUMBER	•							COMMENTS			
**** Threads in Flange ****		010	100/BW a WOMBENO	11100	THO TIEST III		<i>Di.</i> V 11 11 C V					
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

B06.040.053

Class A

2RPV-THREAD-53

CATEGORY B-G-1, Pressure Retaining Bolting.

NC CNM 2201.01-52

NC CNM 2201.01-52

E 8871-126-002

NDE-640

UT

CS

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

Greater than 2" in Diameter

Plan Report Page 38

Reactor V	essel	Catawba 2 Inservice Inspection Plan for Interval 2 Outage 6									
ITEM NUMBER	R ID NUMBER	SYS	ISO/DWG NUMBERS	PROC			DIA/THK CA		COMMENTS		
B06.040.045	2RPV-THREAD-45		E 8871-126-002	NDE-640	UT	CS	7.000	50235	Threads in RPV Flange		
		NC	CNM 2201.01-52				12.000				
Class A											
B06.040.046	2RPV-THREAD-46		E 8871-126-002	NDE-640	UT	cs	7.000	50235	Threads in RPV Flange		
		NC	CNM 2201.01-52				12.000				
Class A											
B06.040.047	2RPV-THREAD-47		E 8871-126-002	NDE-640	UT	CS	7.000	50235	Threads in RPV Flange		
		NC	CNM 2201.01-52				12.000				
Class A											
B06.040.048	2RPV-THREAD-48		E 8871-126-002	NDE-640	UT	CS	7.000	50235	Threads in RPV Flange		
		NC	CNM 2201.01-52				12.000				
Class A											
B06.040.049	2RPV-THREAD-49	-	E 8871-126-002	NDE-640	UT	CS	7.000	50235	Threads in RPV Flange	<u> </u>	
		NC	CNM 2201.01-52				12.000				
Class A											
B06.040.050	2RPV-THREAD-50		E 8871-126-002	NDE-640	UT	CS	7.000	50235	Threads in RPV Flange		
		NC	CNM 2201.01-52				12.000				
Class A											
B06.040.051	2RPV-THREAD-51		E 8871-126-002	NDE-640	UT	CS	7.000	50235	Threads in RPV Flange		
		NC	CNM 2201.01-52				12.000				
Class A			1						•		
B06.040.052	2RPV-THREAD-52		E 8871-126-002	NDE-640	UT	CS	7.000	50235	Threads in RPV Flange	·	

12.000

7.000

12.000

50235

Threads in RPV Flange

CATEGORY B-G-1, Pressure Retaining Bolting,

DUKE ENERGY CORPORATION
INSERVICE INSPECTION PLAN MANAGEMENT

Inservice Inspection Database Management System

Greater than 2" In Diameter
Reactor Vessel

Catawba 2

Plan Report Page 39 12/15/2004

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

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:

CATEGORY B-G-1, Pressure Retaining Bolting,

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

Greater than 2" In Diameter

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Reactor Vessel	Catawba 2
	Inservice Inspection Plan for Interval 2 Outage 6

			ins	12/15/200				
ITEM NUMBER	ID NUMBER	SYS	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK CAL BLOCKS	COMMENTS
**** Closure	Washers, Bushings *	***						
306.050.037	2RPV-179-103-37		E 8871-179-001	QAL-13	VT-1	cs	10.560	RPV Closure Head Washer 2RPV-Washer-37
		NC	CNM 2201.01-67				1.719	
Class A								
306.050.038	2RPV-179-103-38		E 8871-179-001	QAL-13	VT-1	CS	10.560	RPV Closure Head Washer 2RPV-Washer-38
		NC	CNM 2201.01-67				1.719	
Class A								
B06.050.039	2RPV-179-103-39		E 8871-179-001	QAL-13	VT-1	CS	10.560	RPV Closure Head Washer 2RPV-Washer-39
		NC	CNM 2201.01-67				1.719	
Class A								
306.050.040	2RPV-179-103-40		E 8871-179-001	QAL-13	VT-1	CS	10.560	RPV Closure Head Washer 2RPV-Washer-40
		NC	CNM 2201.01-67				1.719	
Class A								
B06.050.041	2RPV-179-103-41		E 8871-179-001	QAL-13	VT-1	CS	10.560	RPV Closure Head Washer 2RPV-Washer-41
		NC	CNM 2201.01-67				1.719	
Class A								
B06.050.042	2RPV-179-103-42		E 8871-179-001	QAL-13	VT-1	CS	10.560	RPV Closure Head Washer 2RPV-Washer-42
		NC	CNM 2201.01-67				1.719	
Class A								
			<u> </u>					
B06.050.04 3	2RPV-179-103-43		E 8871-179-001	QAL-13	VT-1	CS	10.560	RPV Closure Head Washer 2RPV-Washer-43
		NC	CNM 2201.01-67				1.719	
Class A								
B06.050.044	2RPV-179-103-44		E 8871-179-001	QAL-13	VT-1	CS	10.560	RPV Closure Head Washer 2RPV-Washer-44
		NC	CNM 2201.01-67				1.719	
Class A								

CATEGORY B-G-1, Pressure Retaining Bolting,

Greater than 2" In Diameter

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

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Reactor Vessel	Catawba 2
	Inservice Inspection Plan for Interval 2 Outage 6

R ID NUMBER 2RPV-179-103-45		ISO/DWG NUMBERS E 8871-179-001	PROC QAL-13	INSP REQ VT-1		DIA/THK CAL BLOCKS	COMMENTS
2RPV-179-103-45	NC		QAL-13	\/T 1			
		CNM 2201.01-67		V 1-1	CS	10.560 1.719	RPV Closure Head Washer 2RPV-Washer-45
2RPV-179-103-46		E 8871-179-001	QAL-13	VT-1	CS	10.560	RPV Closure Head Washer 2RPV-Washer-46
•	NC	CNM 2201.01-67				1.719	
2RPV-179-103-47		E 8871-179-001	QAL-13	VT-1	CS	10.560	RPV Closure Head Washer 2RPV-Washer-47
	NC	CNM 2201.01-67				1.719	
2RPV-179-103-48		E 8871-179-001	QAL-13	VT-1	CS	10.560	RPV Closure Head Washer 2RPV-Washer-48
	NC	CNM 2201.01-67				1.719	
2RPV-179-103-49		E 8871-179-001	QAL-13	VT-1	CS	10.560	RPV Closure Head Washer 2RPV-Washer-49
	NC	CNM 2201.01-67				1.719	
2RPV-179-103-50		E 8871-179-001	QAL-13	VT-1	CS	10.560	RPV Closure Head Washer 2RPV-Washer-50
	NC	CNM 2201.01-67				1.719	
2RPV-179-103-51		E 8871-179-001	QAL-13	VT-1	CS	10.560	RPV Closure Head Washer 2RPV-Washer-51
	NC	CNM 2201.01-67		•••		1.719	
		,					
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
2RPV-179-103-53	NC	E 8871-179-001	QAL-13	VT-1	CS	10.560	RPV Closure Head Washer 2RPV-Washer-53
	NO	O14191 220 1.01-01				1.7.10	
	2RPV-179-103-47 2RPV-179-103-48 2RPV-179-103-49 2RPV-179-103-50 2RPV-179-103-51	2RPV-179-103-47 NC 2RPV-179-103-48 NC 2RPV-179-103-49 NC 2RPV-179-103-50 NC 2RPV-179-103-51 NC	NC CNM 2201.01-67 2RPV-179-103-47 E 8871-179-001 NC CNM 2201.01-67 2RPV-179-103-48 E 8871-179-001 NC CNM 2201.01-67 2RPV-179-103-49 E 8871-179-001 NC CNM 2201.01-67 2RPV-179-103-50 E 8871-179-001 NC CNM 2201.01-67 2RPV-179-103-51 E 8871-179-001 NC CNM 2201.01-67 2RPV-179-103-52 E 8871-179-001 NC CNM 2201.01-67	NC CNM 2201.01-67 2RPV-179-103-47 RC CNM 2201.01-67 E 8871-179-001 QAL-13 NC CNM 2201.01-67 QAL-13 NC CNM 2201.01-67 QAL-13 RC CNM 2201.01-67	NC CNM 2201.01-67 E 8871-179-001 QAL-13 VT-1 CNM 2201.01-67 CNM 2201.01-67	NC CNM 2201.01-67 E 8871-179-001 QAL-13 VT-1 CS CNM 2201.01-67 RC CNM 2201.01-67 CNM 2201.01-67	2RPV-179-103-47

CATEGORY B-G-1, Pressure Retaining Bolting,

DUKE ENERGY CORPORATION INSERVICE INSPECTION PLAN MANAGEMENT

Greater than 2" In Diameter

Inservice Inspection Database Management System

Reactor Vessel

Catawba 2

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ITE	M NUMBER	R 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:

<u>Pumps</u>

Total B06 Items:

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

91

DUKE ENERGY CORPORATION INSERVICE INSPECTION PLAN MANAGEMENT

Inservice Inspection Database Management System

Catawba 2

Incoming Inspection Plan for Interval 2 Outage 6

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Inservice inspection Plan for interval 2 Outage 6							inservice inspection Plan for interval 2 Outage 6										12 10/2004
ITEM NUMBE	R ID NUMBER	SYS	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK CA	AL BLOCKS	COMMENTS								
**** Bolts a	nd Studs ****					•											
B06.180.003	2RCP-2C-F	NC	CN-2NC-013 CNM 2201.01-115	PDI-UT-5	UT	CS	4.320 24.000	50502	24 Bolts Main Flange								
Class A																	
Total B06.18	80 Items: 1							- <u></u>									

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

DUKE ENERGY CORPORATION INSERVICE INSPECTION PLAN MANAGEMENT

Inservice Inspection Database Management System

<u>Pressurizer</u>

Catawba 2

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Inservice	Inspection	Plan for	Interval 2	Outage 6
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		1110	C: 1100 III0	poonon nan	101 111101	vai z Outage o	
ITEM NUMBE	R ID NUMBER	SYS ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK CAL BLOCKS	COMMENTS
**** Bolts, S	tuds, and Nuts ****						
B07.020.001	2PZR-MWB	CNIM 2004 04 410/1	QAL-13	VT-1	CS	1.880 8.900	Pressurizer Manway Bolting 16 Bolts
Class A		CNM 2201.01-110/1 CNM 2201.01-110/2				8.900	

Total B07.020 items:

CATEGORY B-G-2, Pressure Retaining Bolting,

DUKE ENERGY CORPORATION

INSERVICE INSPECTION PLAN MANAGEMENT

2" And Less In Diameter

Steam Generators

Inservice Inspection Database Management System

Catawba 2

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e 6
е

ID NUMBER	OVO TOO/DIMO NUMBERO					
ID NOMBER	SYS ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK CAL BLOCKS	COMMENTS
ıds, and Nuts ****						
2SGD-MW-W-X		QAL-13	VT-1	CS	1.880	SG2D Manway Bolting 16 Studs and Nuts Primary
	CNM 2201.01-59/1				0.000	Manway in W-X Quadrant (Inlet Side)
	CNM 2201.01-114/1					
2SGD-MW-Z-W		QAL-13	VT-1	CS	1.880	SG2D Manway Bolting 16 Studs and Nuts Primary
	CNM 2201.01-59/1				0.000	Manway in Z-W Quadrant (Outlet Side)
	CNM 2201.01-114/1					
-	ds, and Nuts **** 2SGD-MW-W-X	ds, and Nuts **** 2SGD-MW-W-X CNM 2201.01-59/1 CNM 2201.01-114/1 2SGD-MW-Z-W CNM 2201.01-59/1	ds, and Nuts **** 2SGD-MW-W-X CNM 2201.01-59/1 CNM 2201.01-114/1 2SGD-MW-Z-W QAL-13 CNM 2201.01-59/1	ds, and Nuts **** 2SGD-MW-W-X QAL-13 VT-1 CNM 2201.01-59/1 CNM 2201.01-114/1 2SGD-MW-Z-W QAL-13 VT-1 CNM 2201.01-59/1	ds, and Nuts **** 2SGD-MW-W-X QAL-13 VT-1 CS CNM 2201.01-59/1 CNM 2201.01-114/1 2SGD-MW-Z-W QAL-13 VT-1 CS CNM 2201.01-59/1	As, and Nuts **** 2SGD-MW-W-X CNM 2201.01-59/1 CNM 2201.01-114/1 2SGD-MW-Z-W CNM 2201.01-59/1 QAL-13 VT-1 CS 1.880 CNM 2201.01-59/1 O.000

Total B07.030 Items:

2" And Less In Diameter

CATEGORY B-G-2, Pressure Retaining Bolting,

DUKE ENERGY CORPORATION INSERVICE INSPECTION PLAN MANAGEMENT

Inservice Inspection Database Management System

Catawba 2

Plan Report Page 46 12/15/2004

<u>Piping</u> Incomica Incoastion Dian for Intonial 2 Outage 6

			ins	ervice ins	pection Plan	i tor inter	val 2 Outage 6		12/10/2004
ITEM NUMBE	R ID NUMBER	SYS	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK CAL BLOCKS	COMMENTS	
**** Bolts, S	tuds, 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:

<u>Valves</u>

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

DUKE ENERGY CORPORATION INSERVICE INSPECTION PLAN MANAGEMENT

Inservice Inspection Database Management System

Catawba 2

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Inservice Inspection Plan for Interval 2 Outage 6

ITEM NUMBER	R ID NUMBER	SYS	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK CAL BLOCKS	COMMENTS	
**** Bolts, St	tuds, and Nuts ****								
307.070.001	2NC-1	NC	CN-2NC-112 CNM-1205.09-01	QAL-13	VT-1	CS	1.000 0.000	6" Valve 12 Studs, 12 Nuts	
Class A									
307.070.023	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									
307.070.024	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

J

CATEGORY B-H, Integral Attachments for Vessels

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

Catawba 2

Plan Report Page 48 12/15/2004

<u>Pressurizer</u>

Inservice Inspection Plan for Interval 2 Outage 6

ITEM NUMBE	R ID NUMBER	SYS ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK CAL BLOCKS	COMMENTS
**** Integral	ly Welded Attachment	's ****				•	
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:

<u>CATEGORY B-J, Pressure Retaining Welds In Piping</u>

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

NPS 4 or Larger

Catawba 2

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ITEM NUMBE	R ID NUMBER	SYS	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK CA	L BLOCKS	COMMENTS
**** Circum	ferential Welds ****								
B09.011.001 Class A	2NC112-2 Circumferential		CN-2NC-112 CN-2553-1.1	NDE-600	UT Pipe to 90 Degree	SS 160 Elbow	6.000 0.719	* 50211	* 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.
B09.011.001A Class A	2NC112-2 Circumferential		CN-2NC-112 CN-2553-1.1	NDE-35	PT Pipe to 90 Degree	SS 160 Elbow	6.000 0.719		
B09.011.002 Class A	2NC112-5 Circumferential		CN-2NC-112 CN-2553-1.1	NDE-600	UT 45 Degree PZR Noz		6.000 0.719	50211	* 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.
B09.011.002A Class A	2NC112-5 Circumferential		CN-2NC-112 CN-2553-1.1	NDE-35	PT 45 Degree PZR Nozz		6.000 0.719		
B09.011.005 Class A	2NC119-1 Circumferential		CN-2NC-119 , CN-2553-1.1	NDE-600	UT 45 Degree PZR Nozz		6.000 0.719	50211	* 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.
B09.011.005A Class A	2NC119-1 Circumferential	NC	CN-2NC-119 CN-2553-1.1	NDE-35	PT 45 Degree PZR Nozz		6.000 0.719		
B09.011.009 Class A	2NC44-15 Circumferential	NC	CN-2NC-44 CN-2553-1.1	NDE-600	UT Pipe to 45 Degree	SS 160 e Elbow	4.000 0.531	50275	* 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.
B09.011.009A Class A	2NC44-15 Circumferential	NC	CN-2NC-44 CN-2553-1.1	NDE-35	PT Pipe to 45 Degree	SS 160 e Elbow	4.000 0.531		

<u>CATEGORY B-J. Pressure Retaining Welds In Piping</u>

DUKE ENERGY CORPORATION INSERVICE INSPECTION PLAN MANAGEMENT

Inservice Inspection Database Management System

Catawba 2

NPS 4 or Larger

Inservice Inspection Plan for Interval 2 Outage 6

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			Ins	12/15/2004					
ITEM NUMBE	R ID NUMBER	SYS	ISO/DWG NUMBERS	PROC	INSP REQ I	MAT/SCH	DIA/THK CA	L BLOCKS	COMMENTS
B09.011.010	2NC163-1 Circumferential	NC	CN-2NC-163 CN-2553-1.1	NDE-600	UT	SS 160	6.000 0.719	50211	* Reference General Requirements Section 8.1.10 Depending on the examiners qualifications,
Class A	Oncumerential	140	014-2000-1.1		45 Degree Elbow to		0.715	50211	Procedure PDI-UT-2 may be used in lieu of
Olass A					PZR Nozzi				NDE-600. If PDI-UT-2 is used, Calibration Block
									PDI-UT-2-C may be used.
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				
					PZR Nozzl	le SE			
B09.011.011	2NC163-3		CN-2NC-163	NDE-600	UT	SS	6.000	*	* Reference General Requirements Section 8.1.10
	Circumferential NC		CN-2553-1.1		160		0.719	50211	Depending on the examiners qualifications,
Class A					90 Degree Elbow to				Procedure PDI-UT-2 may be used in lieu of
					Pipe				NDE-600. If PDI-UT-2 is used, Calibration Block PDI-UT-2-C may be used.
	010400		011 0110 100					· · · · · · · · · · · · · · · · · · ·	
B09.011.011A			CN-2NC-163	NDE-35	PT	SS	6.000		
	Circumferential	NC	CN-2553-1.1		00 Dozes	160	0.719		
Class A					90 Degree Pipe	EIDOW TO			
B09.011.012	2NC163-4		CN-2NC-163	NDE-600	UT	SS	6.000	*	* Reference General Requirements Section 8.1.10
	Circumferential	NC	CN-2553-1.1			160	0.719	50211	Depending on the examiners qualifications,
Class A					Pipe to	e to			Procedure PDI-UT-2 may be used in lieu of
					90 Degree	Elbow			NDE-600. If PDI-UT-2 is used, Calibration Block PDI-UT-2-C may be used.
									FDI-01-2-C may be used.
B09.011.012A			CN-2NC-163	NDE-35	PT	SS	6.000		
	Circumferential	NC	CN-2553-1.1			160	0.719		
Class A					Pipe to	- 11			
					90 Degree				
B09.011.013	2NC163-6		CN-2NC-163	NDE-600	UT	SS	6.000	*	* Reference General Requirements Section 8.1.10
	Circumferential	NC	CN-2553-1.1			160	0.719	50211	Depending on the examiners qualifications,
Class A					Pipe to				Procedure PDI-UT-2 may be used in lieu of NDE-600. If PDI-UT-2 is used, Calibration Block
					Flange (W	'N)			PDI-UT-2-C may be used.
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 (W	/N)			

<u>CATEGORY B-J, Pressure Retaining Welds In Piping</u>

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

Catawba 2

NPS 4 or Larger

Inservice Inspection Plan for Interval 2 Outage 6

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			Inservice Inspection Plan for Interval 2 Outage 6						12/15/2004
ITEM NUMBER	ID NUMBER	SYS	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK CA	L BLOCKS	COMMENTS
B09.011.049	2NC44-16		CN-2NC-44	NDE-600	UT	SS	4.000	*	* Reference General Requirements Section 8.1.10
Ci	rcumferential	NC	CN-2553-1.1			160	0.531	50307	Depending on the examiners qualifications,
Class A									Procedure PDI-UT-2 may be used in lieu of
					Pipe				NDE-600. If PDI-UT-2 is used, Calibration Block PDI-UT-2-C may be used.
B09.011.049A	2NC44-16		CN-2NC-44	NDE-35	PT	SS	4.000		
Ci	ircumferential	NC	CN-2553-1.1			160	0.531		
Class A					45 Degree	Elbow to			
					Pipe				
B09.011.050	2ND66-12		CN-2ND-66	NDE-600	UT	SS	12.000	*	* Reference General Requirements Section 8.1.10
Ci	ircumferential	ND	CN-2561-1.1			140	1.125	50219	Depending on the examiners qualifications,
Class A									Procedure PDI-UT-2 may be used in lieu of
					90 Degree	Elbow			NDE-600. If PDI-UT-2 is used, Calibration Block PDI-UT-2-C may be used.
B09.011.050A	2ND66-12		CN-2ND-66	NDE-35	PT	SS	12.000		
Ci	ircumferential	ND	CN-2561-1.1			140	1.125		
Class A					Pipe to				
					90 Degree	e Elbow			
B09.011.051	2ND66-4		CN-2ND-66	NDE-600	UT	SS	12.000	*	* Reference General Requirements Section 8.1.10
Ci	ircumferential	ND	CN-2561-1.1			140	1.125	50219	Depending on the examiners qualifications,
Class A					Pipe to				Procedure PDI-UT-2 may be used in lieu of
					90 Degree	e Elbow			NDE-600. If PDI-UT-2 is used, Calibration Block PDI-UT-2-C may be used.
B09.011.051A	2ND66-4		CN-2ND-66	NDE-35	PT	SS	12.000		
C	ircumferential	ND	CN-2561-1.1			140	1.125		
Class A					Pipe to				
					90 Degree	e Elbow			
B09.011.052	2ND66-5		CN-2ND-66	NDE-600	UT	SS	12.000	*	* Reference General Requirements Section 8.1.10
C	ircumferential	ND	CN-2561-1.1			140	1.125	50219	Depending on the examiners qualifications,
Class A					90 Degree Elbow to				Procedure PDI-UT-2 may be used in lieu of
					Pipe				NDE-600. If PDI-UT-2 is used, Calibration Block PDI-UT-2-C may be used.
B09.011.052A	2ND66-5		CN-2ND-66	NDE-35	PT	SS	12.000		
C	ircumferential	ND	CN-2561-1.1			140	1.125		
Class A					•	e Elbow to			
					Pipe				

CATEGORY B-J, Pressure Retaining Welds In Piping

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

NPS 4 or Larger

Catawba 2 ervice Inspection Plan for Interval 2 Or

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			ins	ervice Insp	ection Plan	12/15/2004			
ITEM NUMBE	ER ID NUMBER	SYS	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK CAL BLOCKS		COMMENTS
B09.011.053	2ND66-7		CN-2ND-66	NDE-600	UT	SS	12.000	*	* Reference General Requirements Section 8.1.10
	Circumferential	ND	CN-2561-1.1			140	1.125	50219	Depending on the examiners qualifications,
Class A					90 Degree Elbow to				Procedure PDI-UT-2 may be used in lieu of NDE-600. If PDI-UT-2 is used, Calibration Block
					Pipe				PDI-UT-2-C may be used.
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
	Circumferential	NI	CN-2562-1.1			160	0.719	50211	Depending on the examiners qualifications,
Class A					Pipe to				Procedure PDI-UT-2 may be used in lieu of
					90 Degree	Elbow			NDE-600. If PDI-UT-2 is used, Calibration Block PDI-UT-2-C may be used.
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
	Circumferential	NI	CN-2562-1.1			160	0.719	50211	Depending on the examiners qualifications,
Class A					Pipe to				Procedure PDI-UT-2 may be used in lieu of
					90 Degree	Elbow			NDE-600. If PDI-UT-2 is used, Calibration Block PDI-UT-2-C may be used.
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	υT	SS	6.000	*	* Reference General Requirements Section 8.1.10
	Circumferential	NI	CN-2562-1.1			160	0.719	50211	Depending on the examiners qualifications,
Class A					Pipe to				Procedure PDI-UT-2 may be used in lieu of
					90 Degree	e Elbow			NDE-600. If PDI-UT-2 is used, Calibration Block PDI-UT-2-C may be used.
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	e Elbow			

EOC 13 **DUKE ENERGY CORPORATION CATEGORY B-J, Pressure Retaining Welds In INSERVICE INSPECTION PLAN MANAGEMENT** Inservice Inspection Database Management System **Piping** Plan Report Page 53 Catawba 2 NPS 4 or Larger 12/15/2004 Inservice Inspection Plan for Interval 2 Outage 6 SYS ISO/DWG NUMBERS PROC INSP REQ MAT/SCH DIA/THK CAL BLOCKS COMMENTS ITEM NUMBER **ID NUMBER**

Total B09.011 Items:

Less Than NPS 4

<u>CATEGORY B-J. Pressure Retaining Welds In Piping</u>

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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ITEM NUMBE	R ID NUMBER	SYS	ISO/DWG NUMBERS	•			DIA/THK CAL BLOCKS	COMMENTS
	ferential 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 Reduci	ing 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 I	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 Reduc	er 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 (2No	C298)		

Less Than NPS 4

CATEGORY B-J, Pressure Retaining Welds In Piping

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

Catawba 2

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	Inservice Inspection Plan for Interval 2 Outage 6								
ITEM NUMBI	ER ID NUMBER	SYS	ISO/DWG NUMBERS	PROC	INSP REQ N	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 (2No	C299)			
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 2NV0	34 to			
					Pipe				
B09.021.032	2NV185-2		CN-2NV-185	NDE-35	PT	SS	3.000		<u> </u>
	Circumferential	NV	CN-2554-1.0			160	0.438		
Class A	Stress weld				Pipe to				
					VLV 2NV0	33			

Total B09.021 Items:

<u>CATEGORY B-J, Pressure Retaining Welds In Piping</u>

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

Branch Pipe Connection Welds

Catawba 2

Plan Report Page 56 12/15/2004

			12/15/2004						
ITEM NUMBE	ER ID NUMBER	SYS	ISO/DWG NUMBERS	PROC	INSP REQ M	IAT/SCH	DIA/THK CAL BLOCKS	COMMENTS	
**** Less T	han 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 Wel	d 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 Wel	d Boss to	0		
					Pipe				
B09.032.011	1-20-1		CN-2NC-9	NDE-35	PT	SS	2.000	Cold Leg 2A Boss Cou	pling RTD Modification
	Branch	NC	CN-2680-1			160	0.344		
Class A					Half Couplin	ng 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	Nozzie G to P1	
Class A					Nozzie to				
			•		Pipe			•	

Total B09.032 Items:

CATEGORY B-J, Pressure Retaining Welds In Piping

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

Socket Welds

Catawba 2

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	Inservice Inspection Plan for Interval 2 Outage 6								12/15/2004
ITEM NUMBE	R ID NUMBER	SYS	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK CAL BLOC	KS COMMENTS	
B09.040.001	2NC140-1		CN-2NC-140	NDE-35	PT	SS	1.500		
	Socket	NC	CN-2553-1.0	NDL-33	FI	160	0.281		
Class A	Socker	NO	ON-2555-1.0		2x1 1/2 Re	ducing Inse			
Class A					Pipe	duoning mod			
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 Pipe	Elbow to			
B09.040.003	2NC141-1		CN-2NC-141	NDE-35	PT	SS	2.000		
	Socket	NC	CN-2553-1.0	NDE-33	Г	160	0.344		
Class A	Socker	110	C14-2555-1.0		VLV 2NI01		0.544		
Class A						educing Ins	ert		
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 Re	educing Ins	ert to		
					Pipe				
B09.040.005	2NC141-4		CN-2NC-141	NDE-35	PΤ	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 Pipe	Elbow to			
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

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

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Socket Welds	Catawba 2
·	Inservice Inspection Plan for Interval 2 Outage 6

Inservice Inspection Plan for Interval 2 Outage 6									
R ID NUMBER	SYS	ISO/DWG NUMBERS	PROC	INSP REQ N	MAT/SCH	DIA/THK CAL BLOCKS	COMMENTS		
2NI398-20		CN-2NI-398	NDE-35	PT	SS	2.000			
Socket	Ni	CN-2562-1.2			160	0.344			
				90 Degree I	Elbow				
2NV194-6		CN-2NV-194	NDE-35	PT	SS	2.000			
Socket	NV	CN-2554-1.0			160	0.344			
				_	Elbow to				
				Pipe					
2NV194-8		CN-2NV-194	NDE-35	PT	SS	2.000			
Socket	NV	CN-2554-1.0			160	0.344			
				90 Degree	Elbow to				
				Pipe					
2NV224-12		CN-2NV-224	NDE-35	PT	SS	2.000			
Socket	NV	CN-2554-1.5			160	0.344			
				Flange to					
				Pipe					
2NV224-16		CN-2NV-224	NDE-35	PT	SS	2.000			
Socket	NV	CN-2554-1.5			160	0.344			
				Tee to					
				Pipe					
2NV224-2		CN-2NV-224	NDE-35	PT	SS	1.500			
Socket	NV	CN-2554-1.5			160	0.281			
				Pipe to					
				2X1 1/2 Re	ducing Ins	sert			
2NV224-20		CN-2NV-224	NDE-35	PT	SS	2.000			
	NV				160	0.344			
				VLV 2NV07	71 to				
				Pipe					
2NV224-23		CN-2NV-224	NDE-35	PT	SS	2.000			
	NV				160				
		··• -		90 Degree					
				Pipe					
2NV224-3		CN-2NV-224	NDE-35	PT	SS	2.000			
	NV			• •	160	0.344			
				2X1 1/2 Re					
	2NI398-20 Socket 2NV194-6 Socket 2NV194-8 Socket 2NV224-12 Socket 2NV224-16 Socket 2NV224-2 Socket	2NV194-6 Socket NV 2NV194-8 Socket NV 2NV224-12 Socket NV 2NV224-16 Socket NV 2NV224-2 Socket NV 2NV224-2 Socket NV	ID NUMBER SYS ISO/DWG NUMBERS	ID NUMBER SYS ISO/DWG NUMBERS PROC	ID NUMBER SYS ISO/DWG NUMBERS PROC INSP REQ M	ID NUMBER SYS ISO/DWG NUMBERS PROC INSP REQ MAT/SCH	ID NUMBER	In Number SYS SO/DWG Numbers PROC INSP REQ MAT/SCH DIA/THK CAL BLOCKS COMMENTS	

Socket Welds

CATEGORY B-J, Pressure Retaining Welds In Piping

DUKE ENERGY CORPORATION INSERVICE INSPECTION PLAN MANAGEMENT

Inservice Inspection Database Management System

Catawba 2

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ITEM NUMBE	R ID NUMBER	SYS	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK CAL BLOCKS	COMMENTS	
B09.040.066	2NV224-7		CN-2NV-224	NDE-35	PT	SS	2.000		
	Socket	NV	CN-2554-1.5			160	0.344		
Class A					Pipe to				
					90 Degree	Elbow			
B09.040.067	2NV313-5		CN-2NV-313	NDE-35	PT	SS	2.000		
	Socket	NV	CN-2554-1.0			160	0.344		
Class A					90 Degree	Elbow to			
					Pipe				
B09.040.068	2NV313-7		CN-2NV-313	NDE-35	PT	SS	2.000		
	Socket	NV	CN-2554-1.0			160	0.344		
Class A	•				90 Degree	Elbow to			
					Pipe				
B09.040.069	2NV313-9		CN-2NV-313	NDE-35	PT	SS	2.000		
	Socket	NV	CN-2554-1.0			160	0.344		
Class A					Tee to				
					Pipe				
B09.040.081	2NC81-33		CN-2NC-81	NDE-35	PT	SS	2.000		
	Socket	NC	CN-2553-1.0			160	0.344		
Class A					Pipe to				
					90 Degree	e Elbow			
B09.040.082	1-20-2		CN-2NC-9	NDE-35	PT	SS	2.000		
	Socket	NC	CN-2680-1			160	0.344		
Class A					Half Coup	ling to			
					Thermowe				

Total B09.040 Items:

23

Total B09 Items:

CATEGORY B-N-1, Interior of Reactor Vessel

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

Catawba 2

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Inservice In:	spection	Plan	for	Interval	2	Outage	e (ì
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	inservice inspection Flat for interval 2 Odlage of									
ITEM NUMBE	R ID NUMBER	SYS	ISO/DWG NUMBERS	PROC	INSP REQ I	MAT/SCH	DIA/THK CAL BLOCKS	COMMENTS		
**** Vessel	Interior ****		<u> </u>							
B13.010.001 Class A	2RPV-INTERIOR	NC	CNM 2201.01-51 CNM 2201.01-67	*	VT-3	SS	0.000 0.000	Area Above And Below Core Mad During Normal Refueling Outages * Use WesDyne Procedure WDI-S	3	
								Reference CNM 2201.01-0205		

Total B13.010 Items:

Reactor Vessel

DUKE ENERGY CORPORATION

CATEGORY B-N-2, Integral Welded Core Support INSERVICE INSPECTION PLAN MANAGEMENT

Structures And Interior Attach of RV

Inservice Inspection Database Management System

Reactor Vessel (PWR)

Catawba 2

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Inservice Inspection Plan for Interval 2 Outage 6

ITEM NUMBE	R 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
		CNM 2201.01-74/4				0.000	Shell
Class A							* Use WesDyne Procedure WDI-STD-088
							Reference CNM 2201.01-0205
B13.060.002	2RPV-INCORE		*	VT-3	SS	0.000	58 Incore Instrumentation Nozzles Located In Lowe
		CNM 2201.01-74/2				0.000	Head
Class A	•	· · · · · · · · · · · · · · · · · · ·					* Use WesDyne Procedure WDI-STD-088
							Reference CNM 2201.01-0205

Total B13.060 Items:

CATEGORY B-N-3, Removable Core Support Structures

DUKE ENERGY CORPORATION INSERVICE INSPECTION PLAN MANAGEMENT

Inservice Inspection Database Management System

Reactor Vessel (PWR)

Catawba 2 Inservice Inspection Plan for Interval 2 Outage 6 Plan Report Page 62 12/15/2004

ITEM NUMBE	R ID NUMBER	SYS ISO/DWG NUMBERS	PROC	INSP REQ MAT/SCH DIA/THK CAL BLOCKS		DIA/THK CAL BLOCKS	COMMENTS
**** Core St	pport Structure ****						
B13.070.001	2RPV-CORE-SUP	CNN4 2004 04 54	*	VT-3	SS	0.000 0.000	Examine When Structure Is Removed From Reactor Vessel
Class A		CNM 2201.01-51				0.000	* Use WesDyne Procedure WDI-STD-088
							Reference CNM 2201.01-0205

Total B13.070 Items:

1

Total B13 Items:

CATEGORY C-A, Pressure Retaining Welds In

DUKE ENERGY CORPORATION INSERVICE INSPECTION PLAN MANAGEMENT

Pressure Vessels

Shell Circumferential Welds

Inservice Inspection Database Management System

Catawba 2

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Inservice Inspection Plan for Interval 2 Outage 6

		inservice inspection Flat for interval 2 Quage 0									
ITEM NUMBER	R ID NUMBER	SYS	CN-2553-1.0 CNM 2201.01-102 CNM 2201.01-106	NDE-640 NDE-820	UT CS		DIA/THK CAL BLOCKS		COMMENTS		
C01.010.001	2SGB-03-04A	NC					0.000 3.060	50366	Steam Generator 2B Stub Barrel To Lower Shell PC. 3 To PC. 4A		
Class B											
C01.010.002	2SGC-04B-05 Circumferential	NC	CN-2553-1.0 CNM 2201.01-105	NDE-640 NDE-820	UT	CS	0.000 3.060	50366	Steam Generator 2C Lower Shell To Transition Cone PC. 4B To PC. 5		
Class B					Lower She Transition						

Total C01.010 Items:

CATEGORY C-A, Pressure Retaining Welds In

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

Pressure Vessels

Total C01.020 Items:

6

Catawba 2

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Head Circumferential Welds

Inservice Inspection Plan for Interval 2 Outage 6

			1113	ci vice ilisp	ection rian	ioi iiitoi	vai z Calag	CO	
ITEM NUMBE	ER ID NUMBER	SYS	ISO/DWG NUMBERS	PROC	INSP REQ N	MAT/SCH	DIA/THK CA	L BLOCKS	COMMENTS
C01.020.004	2REGHX-SH1-HD1 Circumferential	NV	CN-2554-1.0 CNM 1201.06-31 CNM 1201.06-83	NDE-630	UT Shell to	SS	10.900 1.070	50312	Regenerative Heat Exchanger (Shell 1) Shell (1) to Head (1) Pc.3 to Pc.5 See Reguest for Relief Serial Number 03-001.
C01.020.005	2REGHX-SH1-HD2 Circumferential	NV	CN-2554-1.0 CNM 1201.06-83 CNM 1201.06-31	NDE-630	Head UT Shell to Head	SS	10.900 1.070	50312	Regenerative Heat Exchanger (Shell 1) Shell (1) to Head (2) Pc.2 to Pc.5 See Request for Relief Serial Number 03-001.
C01.020.006 Class B	2REGHX-SH2-HD1 Circumferential	NV	CN-2554-1.0 CNM 1201.06-83 CNM 1201.06-31	NDE-630	UT Shell to Head	SS	10.900 1.070	50312	Regenerative Heat Exchanger (Shell 2) Shell (2) to Head (1) Pc.3 to Pc.5 See Request for Relief Serial Number 03-001.
C01.020.007 Class B	2REGHX-SH2-HD2 Circumferential	NV	CN-2554-1.0 CNM 1201.06-83 CNM 1201.06-31	NDE-630	UT Shell to Head	SS	10.900 1.070	50312	Regenerative Heat Exchanger (Shell 2) Shell (2) to Head (2) Pc.2 to Pc.5 See Request for Relief Serial Number 03-001.
C01.020.008 Class B	2REGHX-SH3-HD1 Circumferential	NV	CN-2554-1.0 CNM 1201.06-83 CNM 1201.06-31	NDE-630	UT Shell to Head	SS	10.900 1.070	50312	Regenerative Heat Exchanger (Shell 3) Shell (3) to Head (1) Pc.3 to Pc.5 See Request for Relief Serial Number 03-001.
C01.020.009 Class B	2REGHX-SH3-HD2 Circumferential	NV	CN-2554-1.0 CNM 1201.06-83 CNM 1201.06-31	NDE-630	UT Shell to Head	SS	10.900 1.070	50312	Regenerative Heat Exchanger (Shell 3) Shell (3) to Head (2) Pc.2 to Pc.5 See Request for Relief Serial Number 03-001.

CATEGORY C-A, Pressure Retaining Welds In

Pressure Vessels

Tubesheet-to-Shell Weld

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

Catawba 2

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Plan Report

Inservice Inspection Plan for Interval 2 Outage 6

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

Total C01.030 Items:

6

Total C01 Items:

<u>CATEGORY C-B, Pressure Retaining Nozzle</u> Welds In Vessels

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

Catawba 2

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Nozzies	Without Reinforcing Plate in Vessels >	
	ومسموه مدين مديني المسكنات على معالي المراجع في المراجع في المراجع في المراجع والمراجع المسكنات المسكنات	
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1/2 in. Nom, Thickness	
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Inservice	Inspection	on Pian	for I	nterval	2 (Outage 6
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ITEM NUMBER	ID NUMBER	SYS	ISO/DWG NUMBERS	PROC	INSP REQ MA	AT/SCH	DIA/THK C	AL BLOCKS	COMMENTS
**** Nozzle-to	-Shell (or Head) Wel	d ****							-
C02.021.002	2SGB-SB-11			NDE-640	UT	CS	16.000	50366	Steam Generator 2B Feedwater Nozzle To Stub
С	ircumferential	NC	CNM-2201.01-102/1	NDE-820			3.310		Barrel
Class B			CNM-2201.01-106/1		Nozzle to Stub Barrel				PC. 3 To PC. 11
C02.021.002A	2SGB-SB-11			NDE-25	MT	ÇS	16.000		Steam Generator 2B Feedwater Nozzle To Stub
С	ircumferential	NC	CNM-2201.01-102/1				3.310		Barrel
Class B			CNM-2201.01-106/1		Nozzle to				PC. 3 To PC. 11
					Stub Barrel				
Total C02.021	Items: 2								
**** Nozzle in	side Radius Section	***							
C02.022.001	2SGB-SB-11			NDE-680	UT	CS	16.000	CB-07-155	Steam Generator 2B Feedwater Nozzle Inside
С	ircumferential	NC	CNM-2201.01-102/1				3.310		Radius
Class B			CNM-2201.01-106/1		Nozzie to				
					Stub Barrel				

Total C02.022 Items:

Total C02 Items:

Piping

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

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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			ıns	ervice insp	pection Plar	i for inter	vai 2 Outage 6		12/15/2004
ITEM NUMBE	R ID NUMBER	SYS	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK CAL BLOCKS	COMMENTS	
**** Integra	lly Welded Attachmen	ts ****							
03.020.016	2-R-FW-0011		CN-2492-FW041	NDE-35	PT	SS	24.000	Welded Attachment	
	Rigid Support	FW	CN-2571-1.0				0.750		
Class B									
03.020.031	2-R-NI-1676		CN-2491-NI037	NDE-35	PT	SS	6.000	Welded Attachment	
	Rigid Support	NI	CN-2562-1.3				0.906		
Class B									
003.020.051	2-R-NV-0238		CN-2492-NV078	NDE-35	PT	SS	3.000	Welded Attachment	
	Rigid Support	NV	CN-2554-1.7				0.750		
Class B									
03.020.052	2-R-NV-0239		CN-2492-NV207	NDE-35	PT	SS	3.000	Welded Attachment	
	Rigid Support	NV	CN-2554-1.2				0.750		
Class B									
C03.020.053	2-R-NV-0270		CN-2492-NV099	NDE-35	PT	SS	3.000	Welded Attachment	
	Rigid Support	NV	CN-2554-1.7				0.750		
Class B									
C03.020.072	2-R-SM-1584		CN-2491-SM005	NDE-25	MT	CS	34.000	Welded Attachment	
	Rigid Support	SM	CN-2593-1.0				0.750		
Class B									
C03.020.073	2-R-SM-1585		CN-2491-SM005	NDE-25	MT	cs	34.000	Welded Attachment	-
	Rigid Support	SM	CN-2593-1.0		,		0.750		
Class B					•				
C03.020.074	2-R-SM-1586		CN-2491-SM005	NDE-25	MT	CS	34.000	Welded Attachment	
	Rigid Support	SM	CN-2593-1.0				0.750		
Class B									

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

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

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Catawba 2 **Piping**

	Inservice Inspection Plan for Interval 2 Outage 6										
ITEM NUMBE	ER ID NUMBER	SYS	ISO/DWG NUMBERS	PROC	INSP REQ MAT/SC	H DIA/THK CAL BLOCKS	COMMENTS				
C03.020.075	2-R-SM-1587	-	CN-2491-SM005	NDE-25	MT CS	34.000	Welded Attachment				
	Rigid Support	SM	CN-2593-1.0			0.750					
Class B											
C03.020.097	2-R-SM-1577		CN-2491-SM005	NDE-25	MT CS	34.000	Welded Attachment				
	Mech Snubber	SM	CN-2593-1.0			1.750					
Class B											
C03.020.098	2-R-SM-1578		CN-2491-SM005	NDE-25	MT CS	34.000	Welded Attachment				
	Mech Snubber	SM	CN-2593-1.0			1.750					
Class B											
C03.020.099	2-R-SM-1579		CN-2491-SM005	NDE-25	MT CS	34.000	Welded Attachment				
	Mech Snubber	SM	CN-2593-1.0			0.750					
Class B											
C03.020.100	2-R-SM-1581		CN-2491-SM005	NDE-25	MT CS	34.000	Welded Attachment				
	Mech Snubber	SM	CN-2593-1.0			0.750					
Class B											
C03.020.102	2-R-SM-1583		CN-2491-SM005	NDE-25	MT CS	34.000	Welded Attachment				
	Mech Snubber	SM	CN-2593-1.0			0.750					
Class B											

Total C03.020 Items: 14

Total C03 Items:

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

DUKE ENERGY CORPORATION

INSERVICE INSPECTION PLAN MANAGEMENT Inservice Inspection Database Management System

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

Catawba 2

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for Piping > NPS 4	Inservice Inspection Plan for Interval 2 Outage 6
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for Piping	1 > NPS 4		ins	ervice inspe	ction Plan	i for interv	/ai Z Outagi	e o	
ITEM NUMBE	R ID NUMBER	SYS	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK CA	L BLOCKS	COMMENTS
**** Circum	ferential 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					Pipe to				
	Dissimilar_				90 Degree	e 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					Pipe to				
	Dissimilar				90 Degre	e 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,
Class B					_	e Elbow to			Procedure PDI-UT-2 may be used in lieu of NDE-600. If PDI-UT-2 is used, Calibration Block
					Pipe				PDI-UT-2-C may be used.
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 Degre Pipe	e Elbow to			
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					Pipe to				
	Dissimilar				90 Degre	e 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					Pipe to				
	Dissimilar				90 Degre	e 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					•	e Elbow to			
	Dissimilar				6X4 Red	ucer			
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					90 Degre	e Elbow to			
	Dissimilar				6X4 Red	ucer			

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

DUKE ENERGY CORPORATION INSERVICE INSPECTION PLAN MANAGEMENT

Inservice Inspection Database Management System

Piping Welds >= 3/8 in. Nominal	Wall Thickness
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Catawba 2

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for Piping	e <u>ius >= 3/8 m. Nomina</u> NDC <i>1</i>	II Wall 11		arvica Inen	ection Plan	- 1 for Inter	val 2 Outag	a 6	12/15/2004
ITEM NUMBE		eve	ISO/DWG NUMBERS	PROC			DIA/THK CA		COMMENTS
	2CA73-40	313	CN-2CA-73	NDE-600	UT	SS	6.000	*	* Reference General Requirements Section 8.1.10
C05.011.019	Circumferential	CA	CN-2592-1.1	NDE-600		80	0.432	50319	Depending on the examiners qualifications,
Class B					Pipe to 90 Degree	e 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.
C05.011.019A	2CA73-40		CN-2CA-73	NDE-35	PT	SS	6.000		
	Circumferential	CA	CN-2592-1.1			80	0.432		
Class B					Pipe to				
					90 Degree	e Elbow			
C05.011.020	2CA73-41		CN-2CA-73	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,
Class B					_	e Elbow to			Procedure PDI-UT-2 may be used in lieu of
					Pipe				NDE-600. If PDI-UT-2 is used, Calibration Block PDI-UT-2-C may be used.
C05.011.020A	2CA73-41		CN-2CA-73	NDE-35	PT	SS	6.000		
	Circumferential	CA	CN-2592-1.1			80	0.432		
Class B		·			90 Degree Pipe	e Elbow to			
C05.011.032	2FW76-6		CN-2FW-76	NDE-600	UT	SS	12.000	*	* Reference General Requirements Section 8.1.10
	Circumferential	FW	CN-2571-1.0			STD	0.375	50313	Depending on the examiners qualifications,
Class B					Pipe to				Procedure PDI-UT-2 may be used in lieu of
					VLV 2FW	028			NDE-600. If PDI-UT-2 is used, Calibration Block PDI-UT-2-C may be used.
C05.011.032A	2FW76-6		CN-2FW-76	NDE-35	PT	SS	12.000		
	Circumferential	FW	CN-2571-1.0			STD	0.375		
Class B					Pipe to VLV 2FW	7028			
C05.011.033	2FW39-5		CN-2FW-39	NDE-600	UT	SS	24.000	•	* Reference General Requirements Section 8.1.10
	Circumferential •	FW	CN-2571-1.0			20	0.375		Depending on the examiners qualifications,
Class B					Tee to 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.
C05.011.033A	\ 2FW39-5		CN-2FW-39	NDE-35	PT	SS	24.000		
	Circumferential	FW	CN-2571-1.0			20	0.375		
Class B					Tee to				
					Dadwaan				

Reducer

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

Austenitic SS or High Alloy Piping

Circumferential

Circumferential

Class B

Class B

C05.011.037A 2FW39-12

FW CN-2571-1.0

FW CN-2571-1.0

CN-2FW-39

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Depending on the examiners qualifications,

Procedure PDI-UT-2 may be used in lieu of

PDI-UT-2-C shall be used.

NDE-600. If PDI-UT-2 is used, Calibration Block

	/elds >= 3/8 in. Nomina	ıl Wall Ti		omiloo Inom	Catawba 2		val 2 Outage 6	Page 71 12/15/2004
	g > NPS 4						val 2 Outage 6	
ITEM NUMBE		SYS	ISO/DWG NUMBERS	PROC			DIA/THK CAL BLOCKS	
C05.011.034 Class B	2FW39-6 Circumferential	FW	CN-2FW-39 CN-2571-1.0	NDE-600	UT Elbow to Tee	SS 20	24.000 * 0.375	* 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.
C05.011.034/	\ 2FW39-6		CN-2FW-39	NDE-35	PT	SS	24.000	
	Circumferential	FW	CN-2571-1.0			20	0.375	
Class B					Elbow to Tee			
C05.011.035	2FW39-7		CN-2FW-39	NDE-600	UT	SS	24.000 *	* Reference General Requirements Section 8.1.10
	Circumferential	FW	CN-2571-1.0			20	0.375	Depending on the examiners qualifications,
Class B					Pipe to 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 shall be used.
C05.011.035	A 2FW39-7		CN-2FW-39	NDE-35	PT	SS	24.000	
CU5.U11.U35/		514 /	- · · · · ·	NDE-33	Fi	20	0.375	
Class B	Circumferential	FW	CN-2571-1.0		Pipe to Elbow	20	0.373	
C05.011.036	2FW39-11		CN-2FW-39	NDE-600	UT	SS	24.000 *	* Reference General Requirements Section 8.1.10
	Circumferential	FW	CN-2571-1.0			20	0.375	Depending on the examiners qualifications,
Class B					Tee 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 shall be used.
C05.011.036	A 2FW39-11		CN-2FW-39	NDE-35	PT	SS	24.000	
	Circumferential	FW	CN-2571-1.0			20	0.375	
Class B					Tee to Pipe			
C05.011.037	2FW39-12		CN-2FW-39	NDE-600	UT	SS	24.000 *	* Reference General Requirements Section 8.1.10

Tee to

Elbow

PT

Tee to Elbow

NDE-35

20

SS

20

0.375

24.000 0.375

CATEGORY C-F-1, Pressure Retaining Welds In

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

Austenitic SS or High Alloy Piping

Catawba 2

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Piping Welds >= 3/8 in. Nominal Wall Thickness Incomics Inspection Disp for Interval 2 Outside 6

for Pipin	g > NPS 4		Ins	ervice Insp	12/15/2004				
ITEM NUMBE	R ID NUMBER	SYS	ISO/DWG NUMBERS	PROC	INSP REQ M	AT/SCH	DIA/THK CAL B	LOCKS	COMMENTS
C05.011.038 Class B	2FW39-13 Circumferential	FW	CN-2FW-39 CN-2571-1.0	NDE-600	UT Reducer to Tee	SS 20	24.000 0.375	*	* 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.
C05.011.038A	2FW39-13 Circumferential	FW	CN-2FW-39 CN-2571-1.0	NDE-35	PT Reducer to Tee	SS 20	24.000 0.375		
C05.011.039 Class B	2FW42-19 Circumferential	FW	CN-2FW-42 CN-2571-1.0	NDE-600	UT Elbow to Pipe	SS STD	24.000 0.375	•	* 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.
C05.011.039A	Circumferential	FW	CN-2FW-42 CN-2571-1.0	NDE-35	PT Elbow to Pipe	SS STD	24.000 0.375		
C05.011.040 Class B	2FW42-20 Circumferential	FW	CN-2FW-42 CN-2571-1.0	NDE-600	UT Pipe to Elbow	SS STD	24.000 0.375	*	* 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.
C05.011.040A	A 2FW42-20 Circumferential	FW	CN-2FW-42 CN-2571-1.0	NDE-35	PT Pipe to Elbow	SS STD	24.000 0.375		
C05.011.078 Class B	2ND30-1 Circumferential	ND	CN-2ND-30 CN-2561-1.1	NDE-600	UT Pipe to Tee	SS STD	12.000 0.375 5	* 60313	* 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.
C05.011.078/	A 2ND30-1 Circumferential	ND	CN-2ND-30 CN-2561-1.1	NDE-35	PT Pipe to Tee	SS STD	12.000 0.375		

DUKE ENERGY CORPORATION
INSERVICE INSPECTION PLAN MANAGEMENT

Austenitic SS or High Alloy Piping

Inservice Inspection Database Management System

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

Catawba 2

Plan Report Page 73 12/15/2004

for Piping	1 > NPS 4		Ins	ervice Insp	ection Plan	for Inter-	val 2 Outage	6	12/15/2004
ITEM NUMBE		SYS	ISO/DWG NUMBERS	PROC	INSP REQ I	MAT/SCH	DIA/THK CA	L BLOCKS	COMMENTS
C05.011.079	2ND30-2 Circumferential	ND	CN-2ND-30 CN-2561-1.1	NDE-600	UT	SS 140	12.000 1.125	50219	* Reference General Requirements Section 8.1.10 Depending on the examiners qualifications,
Class B					Tee 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.
C05.011.079A	2ND30-2		CN-2ND-30	NDE-35	PT	SS	12.000		
	Circumferential	ND	CN-2561-1.1			140	1.125		
Class B					Tee to Pipe				
C05.011.081	2ND40-6		CN-2ND-40	NDE-600	UT	SS	14.000	•	* Reference General Requirements Section 8.1.10
	Circumferential	ND	CN-2561-1.0			40	0.438	50314	Depending on the examiners qualifications,
Class B					90 Degree	Elbow to			Procedure PDI-UT-2 may be used in lieu of NDE-600. If PDI-UT-2 is used, Calibration Block
					Pipe				PDI-UT-2-C may be used.
C05.011.081A	2ND40-6		CN-2ND-40	NDE-35	PT	SS	14.000		
	Circumferential	ND	CN-2561-1.0			40	0.438		
Class B					90 Degree Pipe	Elbow to			
C05.011.082	2ND46-3		CN-2ND-46	NDE-600	UT	SS	12.000	*	* Reference General Requirements Section 8.1.10
	Circumferential	ND	CN-2561-1.0			STD	0.375	50313	Depending on the examiners qualifications,
Class B					Pipe to				Procedure PDI-UT-2 may be used in lieu of NDE-600. If PDI-UT-2 is used, Calibration Block
					90 Degree	Elbow			PDI-UT-2-C may be used.
C05.011.082A	2ND46-3		CN-2ND-46	NDE-35	PT	SS	12.000		
	Circumferential	ND	CN-2561-1.0			STD	0.375		
Class B					Pipe to 90 Degree	Elbow			
C05.011.084	2ND46-5		CN-2ND-46	NDE-600	UT	SS	12.000	*	* Reference General Requirements Section 8.1.10
3000111004	Circumferential	ND	CN-2561-1.0	,,,,,,,	Ψ.	STD	0.375	50313	Depending on the examiners qualifications,
Class B		2	255		Pipe to 90 Degree			-	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.
C05.011.084A	2ND46-5		CN-2ND-46	NDE-35	PT	SS	12.000		
	Circumferential	ND	CN-2561-1.0			STD	0.375		
Class B					Pipe to				

90 Degree Elbow

DUKE ENERGY CORPORATION

INSERVICE INSPECTION PLAN MANAGEMENT

Austenitic SS or High Alloy Piping

Inservice Inspection Database Management System

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

Catawba 2

Plan Report Page 74 12/15/2004

for Piping > N	for Piping > NPS 4			pection Plan for Interval 2 Outage 6
ITEM NUMBER	IO NUMBER	SVS ISO/DMG NUMBERS	PROC	INSPIRED MAT/SCHI DIA/THK CAL BI

11 3 7			o. 1100op					
ID NUMBER	SYS	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK CA	AL BLOCKS	COMMENTS
ID46-7		CN-2ND-46	NDE-600	UT	SS	12.000	*	* Reference General Requirements Section 8.1.10
umferential	ND	CN-2561-1.0			STD	0.375	50313	Depending on the examiners qualifications,
				Pipe to				Procedure PDI-UT-2 may be used in lieu of
				45 Degree	Elbow			NDE-600. If PDI-UT-2 is used, Calibration Block PDI-UT-2-C may be used.
ND46-7		CN-2ND-46	NDE-35	PT	SS	12.000		
umferential	ND	CN-2561-1.0			STD	0.375		
				Pipe to	- Elbaur			
	ID NUMBER ID46-7 umferential	ID NUMBER SYS D46-7 umferential ND	ID NUMBER SYS ISO/DWG NUMBERS D46-7 CN-2ND-46 umferential ND CN-2561-1.0 D46-7 CN-2ND-46	ID NUMBER SYS ISO/DWG NUMBERS PROC D46-7 CN-2ND-46 NDE-600 umferential ND CN-2561-1.0 D46-7 CN-2ND-46 NDE-35	ID NUMBER SYS ISO/DWG NUMBERS PROC INSP REQ	ID NUMBER	ID NUMBER SYS ISO/DWG NUMBERS PROC INSP REQ MAT/SCH DIA/THK CAN ID NUMBER SYS ISO/DWG NUMBERS PROC INSP REQ MAT/SCH DIA/THK CAN ID NUMBER SYS ISO/DWG NUMBERS PROC INSP REQ MAT/SCH DIA/THK CAN ID NUMBER SYS ISO/DWG NUMBERS PROC INSP REQ MAT/SCH DIA/THK CAN ID NUMBER SYS ISO/DWG NUMBERS PROC INSP REQ MAT/SCH DIA/THK CAN ID NUMBER SYS ISO/DWG NUMBERS PROC INSP REQ MAT/SCH DIA/THK CAN ID NUMBER SYS ISO/DWG NUMBERS PROC INSP REQ MAT/SCH DIA/THK CAN ID NUMBER SYS ISO/DWG NUMBERS PROC INSP REQ MAT/SCH DIA/THK CAN ID NUMBER SYS ISO/DWG NUMBERS PROC INSP REQ MAT/SCH DIA/THK CAN ID NUMBER SYS ISO/DWG NUMBERS PROC INSP REQ MAT/SCH DIA/THK CAN ID NUMBER SYS ISO/DWG NUMBERS PROC INSP REQ MAT/SCH DIA/THK CAN ID NUMBER SYS ISO/DWG NUMBERS PROC INSP REQ MAT/SCH DIA/THK CAN ID NUMBER SYS ISO/DWG NUMBERS PROC INSP REQ MAT/SCH DIA/THK CAN ID NUMBER SYS ISO/DWG NUMBERS PROC INSP REQ MAT/SCH DIA/THK CAN ID NUMBER SYS ISO/DWG NUMBERS PROC INSP REQ MAT/SCH DIA/THK CAN ID NUMBER SYS ISO/DWG NUMBERS PROC INSP REQ MAT/SCH DIA/THK CAN ID NUMBER SYS ISO/DWG NUMBERS PROC INSP REQ MAT/SCH DIA/THK CAN ID NUMBER SYS ISO/DWG NUMBERS PROC INSP REQ MAT/SCH DIA/THK CAN ID NUMBER SYS ISO/DWG NUMBERS PROC INSP REQ MAT/SCH DIA/THK CAN ID NUMBER SYS ISO/DWG NUMBERS PROC INSP REQ MAT/SCH DIA/THK ID NUMBER SYS ISO/DWG NUMBERS PROC INSP REQ MAT/SCH DIA/THK ID NUMBER SYS ISO/DWG NUMBERS PROC INSP REQ MAT/SCH ID NUMBER SYS ISO/DWG NUMBERS ISO/DWG NUMBERS ID NUMBER SYS ISO/DWG NUMBERS ID NUMBER SYS ISO/DWG NUMBERS ID NUMBER SYS ISO/DWG NUMBERS ID NUMBER	ID NUMBER SYS ISO/DWG NUMBERS PROC INSP REQ MAT/SCH DIA/THK CAL BLOCKS ID46-7 CN-2ND-46 NDE-600 UT SS 12.000 * ID46-7 STD 0.375 50313 Pipe to 45 Degree Elbow ID46-7 CN-2ND-46 NDE-35 PT SS 12.000 STD 0.375 ID46-7 STD 0.375 Pipe to STD 0.375 Pipe to STD 0.375 Pipe to Proc Pr

Total C05.011 Items:

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

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

Piping Welds > 1/5 in, Nom Wall For Piping >=

Catawba 2

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	<u>elds > 1/5 in. Nom Wa</u>	II_For Pi			Catawba				rage /5
NPS 2 An	d <= NPS 4		Ins	ervice Insp	ection Plan	for Inter	val 2 Outag	e 6	12/15/2004
ITEM NUMBE	R ID NUMBER	SYS	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK CA	L BLOCKS	COMMENTS
**** Circum	ferential Weld ****								
C05.021.240	2NV34-10	-	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				Procedure PDI-UT-2 may be used in lieu of
					90 Degree	Elbow			NDE-600. If PDI-UT-2 is used, Calibration Block PDI-UT-2-C may be used.
C05.021.240A	2NV34-10		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			
C05.021.241	2NV34-11		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			Procedure PDI-UT-2 may be used in lieu of
					Tee				NDE-600. If PDI-UT-2 is used, Calibration Block PDI-UT-2-C may be used.
C05.021.241A	2NV34-11		CN-2NV-34	NDE-35	PT	SS	3.000		
	Circumferential	NV	CN-2554-1.2			160	0.438		
Class B					90 Degree	Elbow to			
					Tee				
C05.021.242	2NV34-18		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			Procedure PDI-UT-2 may be used in lieu of
					Pipe				NDE-600. If PDI-UT-2 is used, Calibration Block PDI-UT-2-C may be used.
C05.021.242A	2NV34-18		CN-2NV-34	NDE-35	PT	SS	3.000		
	Circumferential	NV	CN-2554-1.2			160	0.438		
Class B					90 Degree	e Elbow to			
					Pipe				
C05.021.243	2NV34-19		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				Procedure PDI-UT-2 may be used in lieu of
					90 Degree	e Elbow			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

DUKE ENERGY CORPORATION

INSERVICE INSPECTION PLAN MANAGEMENT

Austenitic SS or High Alloy Piping

Inservice Inspection Database Management System

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	<u> </u>			•		_	•		riali nepoli	
	<u>elds > 1/5 in. Nom Wa</u>	II For P			Catawba	-			Page 76	
NPS 2 An	d <= NPS 4		ins	ervice Insp	ection Plar	n for Interv	/al 2 Outag	e 6	12/15/2004	
ITEM NUMBE		SYS	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK CA	L 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	e Flhow				
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				Procedure PDI-UT-2 may be used in lieu of	
					90 Degree	e Elbow			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	e 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 Pipe	e Elbow to			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 Pipe	e Elbow to				
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 Redu	ucer to			Procedure PDI-UT-2 may be used in lieu of	
					Pipe				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 Redu Pipe	ucer to				
C05.021.249	2NV37-15	-	CN-2NV-37	NDE-600	UT	SS	3.000	*	* Reference General Requirements Section 8.1.1	
	Circumferential	NV	CN-2554-1.5			160	0.438	50225	Depending on the examiners qualifications,	
Class B					Tee to 3X2 Redu	ıcer			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.	

DUKE ENERGY CORPORATION CATEGORY C-F-1, Pressure Retaining Welds In

INSERVICE INSPECTION PLAN MANAGEMENT

Austenitic SS or High Alloy Piping

Inservice Inspection Database Management System

3X2 Reducer

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Piping	Welds >	<u>1/5 in. Nom</u>	Wall For	<u> </u>

Catawba 2

Inservice Inspection Plan for Interval 2 Outage 6 NPS 2 And <= NPS 4

COMMENTS

INFO & AUG N	111 0 4						· • •	
ITEM NUMBER	ID NUMBER	SYS	S ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK CAL BLOCKS	
C05.021.249A 2N	/37-15		CN-2NV-37	NDE-35	PT	SS	3.000	
Circu	mferential	NV	CN-2554-1.5			160	0.438	
Class B					Tee to			

Total C05.021 items:

DUKE ENERGY CORPORATION INSERVICE INSPECTION PLAN MANAGEMENT

Austenitic SS or High Alloy Piping

Inservice Inspection Database Management System

Socket Welds Catawba 2

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		Inservice Inspection Plan for Interval 2 Outage 6									
ITEM NUMBE	R ID NUMBER	SYS	ISO/DWG NUMBERS	PROC	INSP REQ M	MAT/SCH	DIA/THK CAL BLOCKS	S 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 E	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 B	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 Couplin	ng 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 I	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 I	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	ng to					
					Pipe						

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

Austenitic SS or High Alloy Piping

Catawba 2

Plan Report

Socket W	<u>/elds</u>				Catawba 2				Page 79 12/15/2004
				•			al 2 Outage 6		12/13/2004
ITEM NUMBE		SYS	ISO/DWG NUMBERS	PROC			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 Pipe	Elbow to			
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 Coupli	ing			
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 Coupli	ing 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 Coupli	ing			
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 Coupl	ing 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		<u> </u>
	Socket	NV	CN-2554-1.5			160	0.344		
Class B					90 Degree				
- · · · · · · ·					Pipe				

DUKE ENERGY CORPORATION INSERVICE INSPECTION PLAN MANAGEMENT

Inservice Inspection Database Management System

ŀ	\usi	tenitic	SS or I	ligh Alloy	Piping

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Socket V	/elds			-	Catawba 2				Page 80
				-			al 2 Outage 6		12/15/2004
ITEM NUMBE		SYS	ISO/DWG NUMBERS	PROC			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 Pipe	Elbow to			
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	7	
	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 Red	lucing 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 Red	lucing Insert			
C05.030.134	2NV275-2	<u> </u>	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

DUKE ENERGY CORPORATION INSERVICE INSPECTION PLAN MANAGEMENT

Inservice Inspection Database Management System

Plan Report Catawba 2 Page 81 Socket Welds

			ins	ervice Insp	pection Plan	for Interv	/al 2 Outage 6		12/15/2004
ITEM NUMBE	R ID NUMBER	SYS	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK CAL BLOCKS	S 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	e Elbow			

Total C05.030 Items:

DUKE ENERGY CORPORATION

INSERVICE INSPECTION PLAN MANAGEMENT

Austenitic SS or High Alloy Piping

CATEGORY C-F-1, Pressure Retaining Welds In Inservice Inspection Database Management System

Pipe Branch Connections of Branch Piping >=

Catawba 2

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NPS 2	Inservice Inspection Plan for Interval 2 Outage 6

NPS 2			Ins	ervice Insp	pection Plan	for Inter	val 2 Outage 6		12/15/2004
ITEM NUMBE	R ID NUMBER	SYS	ISO/DWG NUMBERS	PROC	INSP REQ M	MAT/SCH	DIA/THK CAL BLOCKS	COMMENTS	
**** Circum	ferential 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 t Pipe	to			

Total C05.041 Items:

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

DUKE ENERGY CORPORATION
INSERVICE INSPECTION PLAN MANAGEMENT

Inservice Inspection Database Management System

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

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for Pipin	g > NPS 4		Ins	ervice Insp	ection Plan	for Inter	val 2 Outage	e 6	12/15/2004
ITEM NUMBE	R ID NUMBER	SYS	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK CA	L BLOCKS	COMMENTS
**** Circum	ferential Weld ****								
C05.051.081	2SA2-1 Circumferential	SA	CN-2SA-2 CN-2593-1.1	NDE-600	UT	CS 80	6.000 0.432	* 50331	* Reference General Requirements Section 8.1.10 Depending on the examiners qualifications,
Class B	Oncumeronia	UA.	014-2000-1.1		90 Degree Pipe		0.402	00001	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.
C05.051.081A	2SA2-1	············	CN-2SA-2	NDE-25	MT	CS	6.000		
	Circumferential	SA	CN-2593-1.1			80	0.432		
Class B					90 Degree Pipe	Elbow to			
C05.051.082	2SA2-2		CN-2SA-2	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,
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.
C05.051.082A	2\$A2-2		CN-2SA-2	NDE-25	MT	CS	6.000		
	Circumferential	SA	CN-2593-1.1			80	0.432		
Class B					Pipe to				
***************************************					90 Degree	Elbow			
C05.051.083	2SA2-3		CN-2SA-2	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,
Class B					90 Degree	Elbow to			Procedure PDI-UT-1 may be used in lieu of
					Pipe				NDE-600. If PDI-UT-1 is used, Calibration Block PDI-UT-1-C may be used.
C05.051.083A	2SA2-3		CN-2SA-2	NDE-25	MT	CS	6.000		
	Circumferential	SA	CN-2593-1.1			80	0.432		
Class B					90 Degree Pipe	Elbow to			
C05.051.084	2SA6-4		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,
Class B					VLV 2SA0 Pipe	003 to			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.

DUKE ENERGY CORPORATION

INSERVICE INSPECTION PLAN MANAGEMENT

Carbon Or Low Alloy Steel Piping

CATEGORY C-F-2, Pressure Retaining Welds In

Inservice Inspection Database Management System

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Piping W	elds >= 3/8 in. Nomina	al Wall T			Catawba 2				Page 84
for Pipine	g > NPS 4		Ins	ervice Insp	ection Plan	for Inter	12/15/2004		
ITEM NUMBE	R ID NUMBER	SYS	ISO/DWG NUMBERS	PROC	INSP REQ I	MAT/SCH	DIA/THK CA	L 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 2SA00 Pipe	03 to			
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,
Class B					Pipe to				Procedure PDI-UT-1 may be used in lieu of
					90 Degree	Elbow			NDE-600. If PDI-UT-1 is used, Calibration Block PDI-UT-1-C may be used.
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,
Class B					Pipe to				Procedure PDI-UT-1 may be used in lieu of
					90 Degree	Elbow			NDE-600. If PDI-UT-1 is used, Calibration Block PDI-UT-1-C may be used.
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,
Class B					Outlet to				Procedure PDI-UT-1 may be used in lieu of
					Transition	Piece			NDE-600. If PDI-UT-1 is used, Calibration Block
									PDI-UT-1-C may be used.
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,
Class B					Outlet to		-		Procedure PDI-UT-1 may be used in lieu of
					Transition	Piece			NDE-600. If PDI-UT-1 is used, Calibration Block

PDI-UT-1-C may be used.

DUKE ENERGY CORPORATION INSERVICE INSPECTION PLAN MANAGEMENT

Carbon Or Low Alloy Steel Piping

Inservice Inspection Database Management System

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

for Piping > NPS 4

Inservice Inspection Plan f

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for Piping	g > NPS 4		Ins	ervice Insp	ection Plan	for Inter	rval 2 Outage 6	12/15/2004
ITEM NUMBE	R ID NUMBER	SYS	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK CAL BLOC	KS 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			Procedure PDI-UT-1 may be used in lieu of
					Transition	Piece		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:

<u>CATEGORY C-G, Pressure Retaining Welds In Pumps And Valves</u>

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

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<u>Valves</u>

Inservice Inspection Plan for Interval 2 Outage 6

			*					
ITEM NUMBE	R ID NUMBER	SYS	ISO/DWG NUMBERS	PROC	INSP REQ M	AT/SCH	DIA/THK CAL BLOCKS	COMMENTS
**** Valve B	ody 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 t	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 t	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:

Total D02.020 Items:

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

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

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Integral Attachment Inservice Inspection Plan for Interval 2 Outage 6

ITEM NUMBE	R ID NUMBER	SYS	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK CAL BLOCKS	COMMENTS
**** Compo	onent Supports and Re	straints	***					
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								

CATEGORY D-B, Systems In Support Of ECC,

CHR, Atmos. Cleanup, And Reactor RHR

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

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Inservice Inspection Plan for Interval 2 Outage 6

ITEM NUMBI	R ID NUMBER	313	ISO/DWG NUMBERS	PROC	INSP REQ MAT/SCH DIA/THK CAL BLOCKS			COMMENTS	
**** Spring	Type Supports ****								
002.040.001	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 Hama

Total D02 Items:

Integral Attachment

CATEGORY F-A, Supports

Class 1 Piping Supports

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

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	Inservice Inspection Plan for Interval 2 Outage 6								12/15/2004
ITEM NUMBE	ER ID NUMBER	SYS	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK CAL BLOCKS	COMMENTS	
**** One-Di	irectional ****								
F01.010.031	2-R-ND-1011 Rigid Support	ND	CN-2491-ND003 CN-2561-1.0	QAL-14	VT-3	NA	12.000 0.000		
Class A	•								
F01.010.032	2-R-ND-1012		CN-2491-ND003	QAL-14	VT-3	NA	12.000		
Class A	Rigid Support	ND	CN-2561-1.0				0.000		
F01.010.054	2-R-NI-1533		CN-2491-NI115	QAL-14	VT-3	NA	6.000		
Class A	Rigid Support	NI	CN-2562-1.1				0.000		
F01.010.055	2-R-NI-1693		CN-2491-NI115	QAL-14	VT-3	NA	10.000		
Class A	Rigid Support	NI	CN-2562-1.1				0.000		
F01.010.056	2-R-NI-1696	· · · · · · · · · · · · · · · · · · ·	CN-2491-NI115	QAL-14	VT-3	NA	6.000		
Class A	Rigid Support	NI	CN-2562-1.1				0.000		
F01.010.097	2-R-NV-1056		CN-2491-NV100	QAL-14	VT-3	NA	2.000	·	
Olasa A	Rigid Support	NV	CN-2554-1.5				0.000		
Class A									
F01.010.098			CN-2491-NV100	QAL-14	VT-3	NA	2.000		
Class A	Rigid Support	NV	CN-2554-1.5				0.000		
Total F01.	010 Items: 7								
	lirectional ****								
F01.011.091	2-R-NV-1000 Rigid Support	NV	CN-2491-NV100 CN-2554-1.5	QAL-14	VT-3	NA	1.500 0.000		
Class A	nigiu Support	VVI	ON-2004-1.0				0.000		

CATEGORY F-A, Supports

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

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Class 1 Piping Supports Catawba 2 Inservice Inspection Plan for Interval 2 Outage 6

			Inservice Inspection Plan for Interval 2 Outage 6									
ITEM NUMBE	ER ID NUMBER	SYS	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK CAL BLOCKS	COMMENTS				
F01.011.092	2-R-NV-1001		CN-2491-NV100	QAL-14	VT-3	NA	1.500					
	Rigid Support	NV	CN-2554-1.5				0.000					
Class A												
F01.011.093	2-R-NV-1010	·	CN-2491-NV100	QAL-14	VT-3	NA	2.000					
	Rigid Support	NV	CN-2554-1.5				0.000					
Class A												
F01.011.094	2-R-NV-1110		CN-2491-NV104	QAL-14	VT-3	NA	2.000					
	Rigid Support	NV	CN-2554-1.5				0.000		•			
Class A												
Total F01.0)11 Items: 4											
**** Therm	al Movement ****											
F01.012.010	2-R-NC-1687		CN-2491-NC099	QAL-14	VT-3	NA	6.000					
	Mech Snubber	NC	CN-2553-1.1				0.000					
Class A												
F01.012.011	2-R-NC-1689	<u> </u>	CN-2491-NC099	QAL-14	VT-3	NA	3.000					
	Constant Support	NC	CN-2553-1.1				0.000					
Class A												
F01.012.012	2-R-NC-1691		CN-2491-NC099	QAL-14	VT-3	NA	3.000					
	Mech Snubber	NC	CN-2553-1.1				0.000					
Class A												
F01.012.053	2-R-NI-1692		CN-2491-NI115	QAL-14	VT-3	NA	10.000					
	Mech Snubber	NI	CN-2562-1.1				0.000					
Class A												
F01.012.054	2-R-NI-1694		CN-2491-NI115	QAL-14	VT-3	NA	6.000					
	Mech Snubber	NI	CN-2562-1.1				0.000					
Class A												

CATEGORY F-A, Supports

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

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Class 1 Piping Supports Catawba 2 Inservice Inspection Plan for Interval 2 Outage 6

				12/15/2004				
ITEM NUMBE	R ID NUMBER	SYS	ISO/DWG NUMBERS	PROC	INSP REQ MAT/SC	H DIA/THK CAL BLOCKS	COMMENTS	
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

Class 2 Piping Supports

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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	Inservice Inspection Plan for Interval 2 Outage 6								
ITEM NUMBE	R ID NUMBER	SYS	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK CAL BLOCK	S COMMENTS	
**** One-Di	rectional ****								
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

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

Class 2 Piping Supports

Catawba 2

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Inservi	ice Inspection	Pian for Interva	al 2 Outage 6
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			IIIS	ervice insp	becuon Pian	ior inter	vai 2 Outage 6		12.10,200
ITEM NUMBE	R ID NUMBER	SYS	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK CAL BLOCKS	COMMENTS	
01.020.073	2-R-NI-0068		CN-2492-NI013	QAL-14	VT-3	NA	6.000		
	Rigid Support	NI	CN-2562-1.2				0.000		
Class B									
F01.020.103	2-R-NS-1054		CN-2491-NS013	QAL-14	VT-3	NA NA	8.000		
. •	Rigid Support	NS	CN-2563-1.0				0.000		
Class B									
F01.020.104	2-R-NS-1057		CN-2491-NS013	QAL-14	VT-3	NA	8.000		
	Rigid Support	NS	CN-2563-1.0				0.000		
Class B									
F01.020.105	2-R-NS-1245		CN-2491-NS013	QAL-14	VT-3	NA	8.000		
	Rigid Support	NS	CN-2563-1.0				0.000		
Class B									
F01.020.156	2-R-NV-0026		CN-2492-NV045	QAL-14	VT-3	NA	6.000		
	Rigid Support	NV	CN-2554-1.7				0.000		
Class B									
F01.020.157	2-R-NV-0296		CN-2492-NV045	QAL-14	VT-3	NA	6.000		······································
	Rigid Support	NV	CN-2554-1.7				0.000		
Class B									
F01.020.158	2-R-NV-0298		CN-2492-NV045	QAL-14	VT-3	NA	6.000		
	Rigid Support	NV	CN-2554-1.7				0.000		
Class B									
F01.020.159	2-R-NV-0277		CN-2492-NV046	QAL-14	VT-3	NA	8.000		
	Rigid Support	NV	CN-2554-1.2				0.000		
Class B									
F01.020.160	2-R-NV-0280		CN-2492-NV046	QAL-14	VT-3	NA	8.000		
	Rigid Support	NV	CN-2554-1.2				0.000		
Class B									

CATEGORY F-A, Supports

Class 2 Piping Supports

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

Catawba 2

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01455	Third oabborra		Inservice Inspection Plan for Interval 2 Outage 6									
ITEM NUMBE	ER ID NUMBER	SYS	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK CAL BLOCKS	COMMENTS				
F01.020.161	2-A-NV-3788		CN-2492-NV049	QAL-14	VT-3	NA	4.000					
Ol D	Rigid Support	NV	CN-2554-1.1				0.000					
Class B												
F01.020.201	2-R-SM-1017		CN-2491-SM010	QAL-14	VT-3	NA	42.000					
	Rigid Support	SM	CN-2593-1.0				0.000					
Class B												
F01.020.202	2-R-SM-1019		CN-2491-SM010	QAL-14	VT-3	NA	34.000					
	Rigid Support	SM	CN-2593-1.0				0.000					
Class B												
F01.020.203	2-R-SM-1027		CN-2491-SM011	QAL-14	VT-3	NA	42.000					
	Rigid Support	SM	CN-2593-1.0				0.000					
Class B	-											
F01.020.204	2-R-SM-1028	<u>-</u>	CN-2491-SM011	QAL-14	VT-3	NA	34.000					
	Rigid Support	SM	CN-2593-1.0				0.000					
Class B												
F01.020.221	2-R-SV-1606		CN-2491-SV007	QAL-14	VT-3	NA	6.000					
	Rigid Support	SV	CN-2593-1.0				0.000					
Class B												
F01.020.222	2-R-SV-1608	·	CN-2491-SV007	QAL-14	VT-3	NA	6.000					
	Rigid Support	SV	CN-2593-1.0				0.000					
Class B												
Total F01.	020 Items: 24											
**** Multid	irectional ****								.,			
F01.021.022			CN-2492-FW008	QAL-14	VT-3	NA	8.000					
	Rigid Support	FW	CN-2571-1.0				0.000					
Class B												

CATEGORY F-A, Supports

Class 2 Piping Supports

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

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Inservice Inspection Plan	n for Interval 2 Outage 6
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ITEM NUMBE	R ID NUMBER	SYS	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK CAL BLOCKS	COMMENTS	
01.021.023	2-R-FW-0097		CN-2492-FW008	QAL-14	VT-3	NA	8.000		
	Rigid Support	FW	CN-2571-1.0				0.000		
Class B									
-01.021.033	2-R-ND-0251	-	CN-2492-ND024	QAL-14	VT-3	NA	8.000		
	Rigid Support	ND	CN-2561-1.0				0.000		
Class B									
-01.021.034	2-R-ND-0252		CN-2492-ND024	QAL-14	VT-3	NA	8.000		
	Rigid Support	ND	CN-2561-1.0				0.000		
Class B									
F01.021.063	2-R-NI-1030		CN-2491-NI030	QAL-14	VT-3	NA	2.000		
	Rigid Support	NI	CN-2562-1.3				0.000		
Class B									
F01.021.064	2-R-NI-1059		CN-2491-NI030	QAL-14	VT-3	NA	2.000		
	Rigid Support	NI	CN-2562-1.3				0.000		
Class B									
F01.021.065	2-R-NI-1060	<u> </u>	CN-2491-NI030	QAL-14	VT-3	NA	2.000		
	Rigid Support	NI	CN-2562-1.3				0.000		
Class B									
F01.021.106	2-R-NS-0014		CN-2492-NS015	QAL-14	VT-3	NA	8.000		
	Rigid Support	NS	CN-2563-1.0				0.000		
Class B									
F01.021.107	2-R-NS-0016		CN-2492-NS015	QAL-14	VT-3	NA	10.000		
	Rigid Support	NS	CN-2563-1.0				0.000		
Class B									
F01.021.108	2-R-NS-0017		CN-2492-NS015	QAL-14	VT-3	NA	10.000		
	Rigid Support	NS	CN-2563-1.0				0.000		
Class B									

CATEGORY F-A, Supports

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

Class 2 Piping Supports Catawba 2

Inservice Inspection Plan for Interval 2 Outage 6

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	Inservice Inspection Plan for Interval 2 Outage 6								
ITEM NUMBI	ER ID NUMBER	SYS	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK CAL BLOCKS	COMMENTS	
F01.021.109	2-R-NS-0135		CN-2492-NS015	QAL-14	VT-3	NA	8.000		
	Rigid Support	NS	CN-2563-1.0				0.000		
Class B									
F01.021.159	2-R-NV-0009		CN-2492-NV068	QAL-14	VT-3	NA	4.000		
	Rigid Support	NV	CN-2554-1.7				0.000		
Class B									
F01.021.160	2-R-NV-0183		CN-2492-NV068	QAL-14	VT-3	NA	4.000		
	Rigid Support	NV	CN-2554-1.7				0.000		
Class B									
F01.021.161	2-R-NV-0185		CN-2492-NV068	QAL-14	VT-3	NA	4.000		
	Rigid Support	NV	CN-2554-1.7				0.000		
Class B									
Total F01.	021 Items: 14								 -
**** Therm	al Movement ****								
F01.022.015	2-R-CF-1009		CN-2491-CF008	QAL-14	VT-3	NA _	18.000		
	Mech Snubber	CF	CN-2591-1.1				0.000		
Class B									
F01.022.016	2-R-CF-1010	· · · · · · · · · · · · · · · · · · ·	CN-2491-CF008	QAL-14	VT-3	NA	18.000		
	Spring Hgr	CF	CN-2591-1.1				0.000		
Class B									
F01.022.035	2-R-ND-0263	1	CN-2492-ND027	QAL-14	VT-3	NA	8.000		
	Mech Snubber	ND	CN-2561-1.0				0.000		
Class B									
F01.022.036	2-R-ND-0265		CN-2492-ND027	QAL-14	VT-3	NA	8.000		
	Mech Snubber	ND	CN-2561-1.0				0.000		
Class B									

CATEGORY F-A, Supports

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

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Page 97 Catawba 2 Class 2 Piping Supports 12/15/2004 Inservice Inspection Plan for Interval 2 Outage 6 **ITEM NUMBER PROC** INSP REQ MAT/SCH DIA/THK CAL BLOCKS **COMMENTS ID NUMBER** SYS ISO/DWG NUMBERS F01.022.063 2-R-NI-0070 CN-2492-NI013 **QAL-14** VT-3 NA 6.000 0.000 Spring Hgr CN-2562-1.2 Class B 2-R-NV-0323 **QAL-14** VT-3 NA 4.000 F01.022.145 CN-2492-NV073 0.000 Mech Snubber NV CN-2554-1.7 Class B QAL-14 2-R-SM-1010 VT-3 NA 42.000 F01.022.209 CN-2491-SM010 0.000 Mech Snubber SM CN-2593-1.0 Class B 2-R-SM-1011 VT-3 42.000 F01.022.210 CN-2491-SM010 **QAL-14** NA 0.000 SM CN-2593-1.0 Mech Snubber Class B

Total F01.022 Items:

8

CATEGORY F-A, Supports

Class 3 Piping Supports

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

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Inservice Inspection Plan for Interval 2 Outage 6

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			ins	ervice ins	pection Plan	tor inter	val 2 Outage 6		12/13/2004
ITEM NUMBE	R ID NUMBER	SYS	ISO/DWG NUMBERS	PROC	INSP REQ N	MAT/SCH	DIA/THK CAL BLOCKS	COMMENTS	
**** One-Di	rectional ****								
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 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									

CATEGORY F-A, Supports

Class 3 Piping Supports

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

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		Inservice Inspection Plan for Interval 2 Outage 6										
ITEM NUMBE	R ID NUMBER	SYS	ISO/DWG NUMBERS	PROC	INSP REQ N	MAT/SCH	DIA/THK CAL BLOCKS	COMMENTS				
F01.030.073	2-R-KC-0058		CN-2492-KC095	QAL-14	VT-3	NA	16.000					
	Rigid Support	KC	CN-2573-2.1				0.000					
Class C												
F01.030.074	2-R-KC-0059	<u>-</u>	CN-2492-KC095	QAL-14	VT-3	NA	16.000					
	Rigid Support	KC	CN-2573-2.1				0.000					
Class C												
F01.030.075	2-R-KC-0060		CN-2492-KC095	QAL-14	VT-3	NA	16.000					
	Rigid Support	KC	CN-2573-2.1				0.000					
Class C												
F01.030.103	2-R-KD-0070	• H-H ₂	CN-2493-KD030	QAL-14	VT-3	NA	8.000					
	Rigid Support	KD	CN-2609-1.0				0.000					
Class C												
F01.030.104	2-R-KD-0071		CN-2493-KD030	QAL-14	VT-3	NA	8.000	<u> </u>				
	Rigid Support	KD	CN-2609-1.0				0.000					
Class C												
F01.030.159	2-R-RN-0019		CN-2492-RN123	QAL-14	VT-3	NA	20.000					
	Rigid Support	RN	CN-2574-2.1				0.000					
Class C												
F01.030.160	2-R-RN-0021	· · · · · · · · · · · · · · · · · · ·	CN-2492-RN123	QAL-14	VT-3	NA	20.000					
	Rigid Support	RN	CN-2574-2.1				0.000					
Class C												
F01.030.161	2-R-RN-0022		CN-2492-RN123	QAL-14	VT-3	NA	20.000					
	Rigid Support	RN	CN-2574-2.1				0.000					
Class C												
F01.030.162	2-R-RN-0031		CN-2492-RN139	QAL-14	VT-3	NA	18.000					
	Rigid Support	RN	CN-2574-2.0				0.000					
Class C												

CATEGORY F-A, Supports

Class 3 Piping Supports

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

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Inservice Inspection Plan for Interval 2 Outage 6

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ITEM NUMBE	R ID NUMBER	SYS	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK CAL BLOCKS	COMMENTS	
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	<u> </u>	CN-2493-VN003	QAL-14	VT-3	NA	30.000		
	Rigid Support	VN	CN-2609-5.0				0.000		
Class C									
Total F01.0)30 Items: 22								
**** Multid	irectional ****								
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									

CATEGORY F-A, Supports

Class 3 Piping Supports

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

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Inservice Inspection Plan for Interval 2 Outage 6

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ITEM NUMBE	R ID NUMBER	SYS	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK CAL BLOCKS	COMMENTS	
01.031.014	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									
01.031.054	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									
01.031.055	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									
01.031.065	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									
01.031.066	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									
-01.031.191	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 F01.0	031 Items: 10								
**** Therm	al 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	
01- 0	Spring Hgr	CA	CN-2592-1.0				0.000		
Class C									

CATEGORY F-A, Supports

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

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Class 3	Piping Supports				Page 102				
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ITEM NUMBI	R ID NUMBER	SYS	S 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

CATEGORY F-A, Supports

Class 1,2,3 Supports

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

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Inservice Inspection Plan for Interval 2 Outage 6

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ITEM NUMBE	ER ID NUMBER	SYS	ISO/DWG NUMBERS	PROC			DIA/THK CAL BLOCKS	COMMENTS
	rts Other Than Piping Su							
Class A	2SGA-COLUMNS Rigid Support		CN-1070-9 CN-2553-1.0	QAL-14	VT-3	NA	0.000 0.000	Steam Generator 2A Support Columns 4 Assemblies
F01.040.007 Class A	2RPV-SUPPORT-A Rigid Support	NC	CN-2NC-9 CN-1070-13	QAL-14	VT-3	NA	0.000 0.000	Reactor Vessel Inlet Nozzle Support at 67 degrees off centerline of Reactor Building, 113 degrees off centerline of Reactor Vessel. Loop A.
F01.040.008 Class A	2RPV-SUPPORT-B Rigid Support	NC	CN-2NC-11 CN-1070-13	QAL-14	VT-3	NA	0.000 0.000	Reactor Vessel Outlet Nozzle Support at 158 degrees off centerline of Reactor Building, 22 degrees off centerline of Reactor Vessel. Loop B.
F01.040.009 Class A	2RPV-SUPPORT-C Rigid Support	NC	CN-2NC-13 CN-1070-13	QAL-14	VT-3	NA	0.000 0.000	Reactor Vessel Inlet Nozzle Support at 247 degrees off centerline of Reactor Building, 293 degrees off centerline of Reactor Vessel. Loop C.
F01.040.010 Class A	2RPV-SUPPORT-D Rigid Support	NC	CN-2NC-15 CN-1070-13	QAL-14	VT-3	NA	0.000 0.000	Reactor Vessel Outlet Nozzle Support at 338 degrees off centerline of Reactor Building, 202 degrees off centerline of Reactor Vessel. Loop D.
F01.040.011 Class A	2SGC-LATERALS Rigid Restraint	NC	CN-1070-01 CN-2553-1.0	QAL-14	VT-3	NA	0.000 0.000	Steam Generator 2C Lower Laterals
F01.040.212 Class C	2TDCAP2-SUPPORT Rigid Support	CA	CN-2592-1.0 CNM 1201.05-130	QAL-14	VT-3 Elbow to	NA	0.000 0.000	Turbine Driven Aux. FDW Pump No. 2 Pump Support
F01.040.213 Class C	2DGEJWCA-SUPPORT Rigid Support		CN-2609-1.0 CNM 1301.00-237	QAL-14	VT-3	NA	0.000 0.000	Diesel Gen. Jacket Water Cooler 2A Support 3 Saddle Supports

CATEGORY F-A, Supports

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

Class 1,2,3 Supports

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ITEM NUMBE	ER 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	<u>.</u>	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

CATEGORY, Augmented

Pipe Rupture Protection

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

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rvice Inspection Plan for Interval 2 Outage

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			Inservice Inspection Plan for Interval 2 Outage 6									
ITEM NUMBER	R ID NUMBER	SYS	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH I	DIA/THK CA	L BLOCKS	COMMENTS			
**** Main Ste	am System ****											
G02.001.012 Class B	2SM44-01	SM	CN-2593-1.0	NDE-600	UT Penetratio	CS n to	34.000 1.375	4 0415	* Reference General Requirements Section 8.1.10 Depending on the examiners qualifications, Procedure PDI-UT-1 may be used in lieu of			
					Pipe				NDE-600. If PDI-UT-1 is used, Calibration Block PDI-UT-1-C may be used.			
G02.001.012A	2SM44-01		CN-2SM-044	NDE-25	MT	CS	34.000					
01 0		SM	CN-2593-1.0		Penetratio	ın to	1.375					
Class B					Pipe	11110						
G02.001.013	2SM-4D-C		CN-2SM-044	NDE-600	UT	cs	34.000	*	Grinnell Piece Mark CW-SM-4D Weld C			
Class B		SM	CN-2593-1.0		Pipe to		1.375	40415	* Reference General Requirements Section 8.1.10 Depending on the examiners qualifications,			
Class B	is B			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.			
G02.001.013A	2SM-4D-C	SM	CN-2SM-044 CN-2593-1.0	NDE-25	MT	CS	34.000 1.375		Grinnell Piece Mark CW-SM-4D Weld C			
Class B		SIVI	CN-2593-1.0		Pipe to		1.375					
Oldoo D					90 Degree	Elbow						
G02.001.014	2SM-4D-B		CN-2SM-044	NDE-600	UT	CS	34.000	*	Grinnell Piece Mark CW-SM-4D Weld B			
		SM	CN-2593-1.0		90 Degree	. Elbawie	1.375	40415	* Reference General Requirements Section 8.1.10 Depending on the examiners qualifications,			
Class B					Pipe	e Elbow to			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.			
G02.001.014A	2SM-4D-B		CN-2SM-044	NDE-25	MT	CS	34.000		Grinnell Piece Mark CW-SM-4D Weld B			
Olege P		SM	CN-2593-1.0		90 Dograd	e Elbow to	1.375					
Class B					Pipe	S LIBOW 10						
G02.001.015	2SM-4D-A		CN-2SM-044	NDE-600	UT	CS	34.000	*	Grinnell Piece Mark CW-SM-4D Weld A			
Obs. 5		SM	CN-2593-1.0		Dina ta		1.375	40415	* Reference General Requirements Section 8.1.10 Depending on the examiners qualifications,			
Class B			1		Pipe to 90 Degree	e 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.			

CATEGORY, Augmented

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

Pipe Rupture Protection

Catawba 2

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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	DIA/THK CAL B	LOCKS	COMMENTS	
302.001.015A	2SM-4D-A	SM	CN-2SM-044 CN-2593-1.0	NDE-25	MT	CS	34.000 1.375		Grinnell Piece Mark CW-SM-4D Weld A	
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 Pipe	Elbow to			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 Pipe	Elbow to				
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				Procedure PDI-UT-1 may be used in lieu of	
					90 Degree	Elbow			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					
	······································			<u>-</u> .	90 Degree					
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			Depending on the examiners qualifications, Procedure PDI-UT-1 may be used in lieu of	
					Pipe				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 Pipe	e Elbow to				
G02.001.019	2SM46-02		CN-2SM-046 ₁	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					

CATEGORY, Augmented

Pipe Rupture Protection

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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ITEM NUMBER	ID NUMBER	eve	ISO/DWG NUMBERS	PROC			DIA/THK CAL!		COMMENTS
G02.001.019A		***************************************	CN-2SM-046	NDE-25	MT	CS	34.000	BLOOKS	CONTRACTO
Class B		SM	CN-2593-1.0		Pipe to		2.375		
G02.001.020	2SM-7D-A		CN-2SM-046	NDE-600	Pipe UT	CS	34.000	*	Grinnell Piece Mark CW-SM-7D Weld A
302.001.020	23W-70-A	SM	CN-2593-1.0	NDE-000	O1	US	2.375		* Reference General Requirements Section 8.1.10
Class B		Olvi	014-2550-1.0		Pipe to Pipe		2.070		1
G02.001.020A	2SM-7D-A		CN-2SM-046	NDE-25	MT	CS	34.000	, , ,	Grinnell Piece Mark CW-SM-7D Weld A
Class B		SM	CN-2593-1.0		Pipe to Pipe		2.375		
G02.001.021	2SM46-07		CN-2SM-046	NDE-600	UT	CS	34.000	*	* Reference General Requirements Section 8.1.10
01 D		SM	CN-2593-1.0		Pipe to		2.375		
Class B					Valve				
G02.001.021A	2SM46-07		CN-2SM-046	NDE-25	MT	CS	34.000		
		SM	CN-2593-1.0				2.375		
Class B					Pipe to Valve				
G02.001.022	2SM48-01		CN-2SM-048	NDE-600	UT	CS	34.000	*	* Reference General Requirements Section 8.1.10
		SM	CN-2593-1.0				2.375		
Class B					Pipe to Valve				
G02.001.022A	2SM48-01		CN-2SM-048	NDE-25	MT	CS	34.000		
		SM	CN-2593-1.0				2.375		
Class B					Pipe to Valve				

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 = $\frac{Y}{N}$ Yes (Geometric Reflector N No

applies only to UT)

RFR (Relief Request) = $\frac{Y}{N}$ Yes

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.

Item Number	Relief Request Serial Numbers
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.

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				into	erval 2. Outage	6			14
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	Υ	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	Υ	Request for Relief will be filed for the limitation	
B01.021.001	2RPV-101-151	NC	09/26/2004	CLR	53.30%	N	Υ	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		Υ	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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Interval 2 Outage 6

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ITEM NUMBER	ID NUMBER	SYSTEM	INSP DATE	INSP STATU	S INSP LIMITED	GEO REE	RFR	COMMENTS
B03.100.001	2RPV-105-121B	NC	09/23/2004	CLR		N	N	CONNECTIO
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	Υ	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	Υ	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 committment 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 committment 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	Ν	
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 committment by Duke Power, for the 66.74% UT coverage limitation recorded during EOC12 (Item Number B03.140.007).

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EOC 13

B05.070.003A

2SGB-INLET-SE

NC

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Plant: Catawba 2					nservice inspec	Page 12/16/200				
ITEM NUMBER	TEM NUMBER ID NUMBER		INSP DATE		terval 2 Outage		OFD			
					INSP LIMITED		RFR	COMMENTS 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.		
B03.140.008A	2SGD-OUTLET	NC	10/11/2004	CLR		N	N	A supplemental UT scan was performed during EOC13 for ID 2SGD-OUTLET, as a follow-up committment by Duke Power, for the 66.74% UT coverage limitation recorded during EOC12 (Item Number B03.140.008).		
								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.		
B05.010.001	2RPV-201-121BSE	NC	09/24/2004	CLR		N	N			
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	Ν			
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	Ν			
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	Ν			
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			

CLR

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ITEM NUMBER	ID NUMBER	SYSTEM	INSP DATE		INSP LIMITED		RFR	COMMENTS
B05.070.004	2SGB-OUTLET-SE	NC	10/08/2004	REC		N	N	COMMENTO
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	-40	N	N	1101010100 1 11 # 0 04 00421 111 0001011 1.0
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	Ν	
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	Ν	
B05.130.015	2NC15-03	NC	10/08/2004	REC		N	Ν	
B05.130.016	2NC13-08	NC	09/25/2004	CLR		N	N	
B05.130.016A	2NC13-08	NC	09/25/2004	CLR	=40	N	N	

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Interval 2 Outage 6

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				in	terval 2 Outage	b		' -
ITEM NUMBER	ID NUMBER	SYSTEM	INSP DATE	INSP STATUS	INSP LIMITED	GEO REF	RFR	COMMENTS
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	Ν	
B06.010.039	2RPV-179-102-39	NC	09/22/2004	CLR	•••	N	Ν	
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	Ν	
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	Ν	
B06.010.050	2RPV-179-102-50	NC	09/24/2004	CLR		N	Ν	
B06.010.051	2RPV-179-102-51	NC	09/24/2004	CLR		N	Ν	
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	Ν	
B06.030.037	2RPV-179-101-37	NC	09/24/2004	CLR	•••	N	Ν	
B06.030.037A	2RPV-179-101-37	NC	09/24/2004	CLR	•••	N	Ν	
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	Ν	
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	Ν	
B06.030.042A	2RPV-179-101-42	NC	09/24/2004	CLR	***	N	Ν	
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	Ν	
B06.030.044A	2RPV-179-101-44A	NC	09/22/2004	CLR		N	Ν	
B06.030.045	2RPV-179-101-45	NC	09/22/2004	CLR		N	Ν	
B06.030.045A	2RPV-179-101-45	NC	09/22/2004	CLR	•••	N	N	

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ITEM NUMBER	ID NUMBER	SYSTEM	INSP DATE	INSP STATUS	INSP LIMITED	GEO REF	RFR	COMMENTS
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	Ν	
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	Ν	
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	Ν	
B06.030.054	2RPV-179-101-54	NC	09/24/2004	CLR		N	Ν	
B06.030.054A	2RPV-179-101-54	NC	09/24/2004	CLR	•••	N	Ν	
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	NÇ	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	Ν	
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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ITEM NUMBER	ID NUMBER	SYSTEM	INSP DATE	INSP STATUS	INSP LIMITED	GEO REF	RFR	COMMENTS
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	Ν	
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	Ν	
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	Ν	
B06.050.045	2RPV-179-103-45	NC	09/23/2004	CLR		N	Ν	
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	Ν	
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	Ν	
B06.050.052	2RPV-179-103-52	NC	09/25/2004	CLR		N	Ν	
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	Ν	
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	Ν	
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	Ν	
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	Ν	

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ITEM NUMBER	ID NUMBER	SYSTEM	INSP DATE	INSP STATUS	INSP LIMITED	GEO REF	RFR	COMMENTS
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	900	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	Ν	
B09.011.050A	2ND66-12	ND	09/27/2004	CLR		N	N	
B09.011.051	2ND66-4	ND	10/12/2004	CLR	***	N	Ν	
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	Ν	
B09.011.053	2ND66-7	ND	09/27/2004	CLR		N	Ν	
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	Ν	
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	Ν	
B09.021.014	2NC258-5	NC	09/28/2004	CLR		N	Ν	

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ITEM NUMBER	ID NUMBER	SYSTEM	INSP DATE	INSP STATUS	INSP LIMITED	GEO REF	RFR	COMMENTS
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	Ν	
B09.040.060	2NV224-12	NV	09/26/2004	CLR		N	Ν	
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	Ν	
B09.040.069	2NV313-9	NV	09/17/2004	CLR		N	Ν	
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	Υ	Request for Relief will be filed for the limitation
C01.020.004	2REGHX-SH1-HD1	NV	11			N	N	Examination not performed - See Request for Relief Serial Number 03-001.

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ITEM NUMBER	ID NUMBER			INSP STATUS	INSP LIMITED		RFR	COMMENTS
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	11			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	11			N	N	Examination not performed - See Request for Relief Serial Number 03-001.
C01.030.002	2REGHX-SH1-TS	NV	11			N	N	Examination not performed - See Request for Relief Serial Number 03-001.
C01.030.003	2REGHX-SH2-TS	NV	11		•••	N	N	Examination not performed - See Request for Relief Serial Number 03-001.
C01.030.004	2REGHX-SH3-TS	NV	11		•••	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	11		***	N	N	Examination not performed - See Request for Relief Serial Number 03-001.
C01.030.007	2REGHX-TS-SH3	NV	11		***	N	N	Examination not performed - See Request for Relief Seria 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	Ν	
C03.020.051	2-R-NV-0238	NV	09/02/2004	CLR	***	N	Ν	
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	Ν	
C03.020.099	2-R-SM-1579	SM	10/04/2004	CLR		N	Ν	

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ITEM NUMBER	ID NUMBER	SYSTEM	INSP DATE	INSP STATUS	INSP LIMITED	GEO REF	RFR	COMMENTS
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	Ν	
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	Ν	
C05.011.007A	2CA92-24	CA	09/30/2004	CLR		N	Ν	
C05.011.019	2CA73-40	CA	10/14/2004	CLR		N	Ν	
C05.011.019A	2CA73-40	CA	09/29/2004	CLR		N	Ν	
C05.011.020	2CA73-41	CA	09/29/2004	CLR		N	Ν	
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	Υ	Request for Relief will be filed for the limitation
C05.011.032A	2FW76-6	FW	08/23/2004	CLR	•••	N	Ν	
C05.011.033	2FW39-5	FW	08/24/2004	CLR		N	N	
C05.011.033A	2FW39-5	FW	08/23/2004	CLR	***	N	Ν	
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	Ν	
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	Ν	
C05.011.078	2ND30-1	ND	10/01/2004	CLR	***	N	N	
C05.011.078A	2ND30-1	ND	09/30/2004	CLR		N	Ν	
C05.011.079	2ND30-2	ND	10/01/2004	CLR		N	N	
C05.011.079A	2ND30-2	ND	09/30/2004	CLR		N	Ν	

Interval 2 Outage 6

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ITEM NUMBER	ID NUMBER	SYSTEM	INSP DATE	INSP STATUS	INSP LIMITED	GEO REF	RFR	COMMENTS
C05.011.081	2ND40-6	ND	08/26/2004	CLR	•••	Y	N	
C05.011.081A	2ND40-6	ND	08/26/2004	CLR		N	Ν	,
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	Ν	
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	Υ	Request for Relief will be filed.
C05.021.241A	2NV34-11	NV	08/31/2004	CLR		N	Ν	
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	Ν	
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	Ν	
C05.021.249A	2NV37-15	NV	08/31/2004	CLR		N	N	
C05.030.006	2NI281-28	NI	09/17/2004	CLR		N	Ν	
C05.030.007	2NI281-29	NI	09/16/2004	CLR	•••	N	Ν	
C05.030.008	2NI281-3	NI	09/17/2004	CLR		N	Ν	
C05.030.009	2NI296-1	NI	09/16/2004	CLR		N	Ν	
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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ITEM NUMBER	ID NUMBER	SYSTEM	INSP DATE	INSP STATUS	INSP LIMITED	GEO REF	RFR	COMMENTS
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	Ν	
C05.030.118	2NV257-5	NV	09/28/2004	CLR		N	Ν	
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	Ν	
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	Ν	
C05.030.133	2NV275-14	NV	09/28/2004	CLR		N	Ν	
C05.030.134	2NV275-2	NV	09/28/2004	CLR		N	Ν	
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	Ν	
C05.030.139	2NV310-18	NV	09/17/2004	CLR		N	Ν	
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	Ν	
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	Ν	
C05.051.083	2SA2-3	SA	09/30/2004	CLR		N	Ν	
C05.051.083A	2SA2-3	SA	09/30/2004	CLR	***	N	N	
C05.051.084	2SA6-4	SA	10/01/2004	CLR		N	Ν	
C05.051.084A	2SA6-4	SA	10/01/2004	CLR		N	N	
C05.051.085	2SA6-5	SA	10/01/2004	CLR		N	Ν	
C05.051.085A	2SA6-5	SA	10/01/2004	CLR		N	Ν	
C05.051.086	2SA6-7	SA	10/01/2004	CLR		N	Ν	
C05.051.086A	2SA6-7	SA	10/01/2004	CLR		N	Ν	
C05.051.107	2SM-7D-D	SM	10/03/2004	ÇLR		N	Ν	
C05.051.107A	2SM-7D-D	SM	10/03/2004	CLR		N	Ν	
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		1	
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	Ν			
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	Ν			
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	Ν			
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	Ν			
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	Ν			
F01.011.094	2-R-NV-1110	NV	09/17/2004	CLR		N	Ν			
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	Ν			
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	Ν			
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	Ν			
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			

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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	Ν	
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	Ν	
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	Ν	
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	Ν	
F01.021.022	2-R-FW-0096	FW	04/26/2004	CLR		N	Ν	
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	Ν	
F01.021.034	2-R-ND-0252	ND	05/05/2004	CLR	***	N	Ν	
F01.021.063	2-R-NI-1030	NI	09/20/2004	CLR		N	Ν	
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	Ν	
F01.021.106	2-R-NS-0014	NS	05/06/2004	CLR	•••	N	Ν	
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	Ν	
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	Ν	
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	Ν	

DUKE ENERGY APORATION
QUALITY ASSURANCE TECHNICAL SERVICES
In-Service Inspection Database Management System
Catawba 2 Inservice Inspection Listing
Interval 2 Outage 6

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EOC 13 Plant: Catawba 2

F01.022.145 2-R-NV-0323 NV 04/23/2004 CLR N N N F01.022.209 2-R-SM-1010 SM 09/18/2004 CLR N N N F01.022.210 2-R-SM-1011 SM 09/18/2004 REC N N N F01.030.007 2-R-CA-0226 CA 04/22/2004 CLR N N N F01.030.008 2-R-CA-0228 CA 04/22/2004 CLR N N N F01.030.009 2-R-CA-0229 CA 04/22/2004 CLR N 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-0090 KC 05/06/2004 CLR N N F01.030.071 2-R-KC-0040 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 F01.030.074 2-R-KC-0059 KC 04/27/2004 CLR N N F01.030.074 2-R-KC-0059 KC 04/27/2004 CLR N N	ITEM NUMBER	ID NUMBER	SYSTEM	INSP DATE	INSP STATUS	INSP LIMITED	GEO REF	RFR	COMMENTS	
F01.022.210 2-R-SM-1011 SM 09/18/2004 REC N 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 N F01.030.074 2-R-KC-0059 KC 04/27/2004 CLR N N N										
F01.022.210 2-R-SM-1011 SM 09/18/2004 REC N N N F01.030.007 2-R-CA-0226 CA 04/22/2004 CLR N N N N F01.030.008 2-R-CA-0228 CA 04/22/2004 CLR N N N N F01.030.009 2-R-CA-0229 CA 04/22/2004 CLR N N N F01.030.067 2-R-KC-0080 KC 05/06/2004 CLR N N N F01.030.068 2-R-KC-0082 KC 05/06/2004 CLR N N N F01.030.069 2-R-KC-0090 KC 05/06/2004 CLR N N N F01.030.070 2-R-KC-0040 KC 05/06/2004 CLR N N N F01.030.070 2-R-KC-0040 KC 05/06/2004 CLR N N N F01.030.071 2-R-KC-0318 KC 05/06/2004 CLR N N N F01.030.073 2-R-KC-0058 KC 04/27/2004 CLR N N N F01.030.074 2-R-KC-0059 KC 04/27/2004 CLR N N N N N N N N N N N N N N N N N	F01.022.209	2-R-SM-1010	SM	09/18/2004	CLR	•••	N	N		
F01.030.008 2-R-CA-0228 CA 04/22/2004 CLR N N N F01.030.009 2-R-CA-0229 CA 04/22/2004 CLR N N N F01.030.067 2-R-KC-0080 KC 05/06/2004 CLR N N N F01.030.068 2-R-KC-0082 KC 05/06/2004 CLR N N N F01.030.069 2-R-KC-0090 KC 05/06/2004 CLR N N N F01.030.070 2-R-KC-0040 KC 05/06/2004 CLR N N N F01.030.071 2-R-KC-0318 KC 05/06/2004 CLR N N N F01.030.073 2-R-KC-0058 KC 04/27/2004 CLR N N N F01.030.073 2-R-KC-0058 KC 04/27/2004 CLR N N N F01.030.074 2-R-KC-0059 KC 04/27/2004 CLR N N N N N N N N N N N N N N N N N	F01.022.210	2-R-SM-1011	SM	09/18/2004	REC		N			
F01.030.009 2-R-CA-0229 CA 04/22/2004 CLR N N N F01.030.067 2-R-KC-0080 KC 05/06/2004 CLR N N N F01.030.068 2-R-KC-0082 KC 05/06/2004 CLR N N N F01.030.069 2-R-KC-0090 KC 05/06/2004 CLR N N N F01.030.070 2-R-KC-0040 KC 05/06/2004 CLR N N N F01.030.071 2-R-KC-0318 KC 05/06/2004 CLR N N N F01.030.073 2-R-KC-0058 KC 04/27/2004 CLR N N N F01.030.074 2-R-KC-0059 KC 04/27/2004 CLR N N N N N N N N N N N N N N N N N	F01.030.007	2-R-CA-0226	CA	04/22/2004	CLR	***	N	N		
F01.030.067 2-R-KC-0080 KC 05/06/2004 CLR N N N F01.030.068 2-R-KC-0082 KC 05/06/2004 CLR N N N F01.030.069 2-R-KC-0090 KC 05/06/2004 CLR N N N F01.030.070 2-R-KC-0040 KC 05/06/2004 CLR N N N F01.030.071 2-R-KC-0318 KC 05/06/2004 CLR N N N F01.030.073 2-R-KC-0058 KC 04/27/2004 CLR N N N F01.030.074 2-R-KC-0059 KC 04/27/2004 CLR N N N	F01.030.008	2-R-CA-0228	CA	04/22/2004	CLR		N	N		
F01.030.067 2-R-KC-0080 KC 05/06/2004 CLR N N N F01.030.068 2-R-KC-0082 KC 05/06/2004 CLR N N N F01.030.069 2-R-KC-0090 KC 05/06/2004 CLR N N N F01.030.070 2-R-KC-0040 KC 05/06/2004 CLR N N N F01.030.071 2-R-KC-0318 KC 05/06/2004 CLR N N N F01.030.073 2-R-KC-0058 KC 04/27/2004 CLR N N N F01.030.074 2-R-KC-0059 KC 04/27/2004 CLR N N N	F01.030.009	2-R-CA-0229	CA	04/22/2004	CLR		N	N		
F01.030.069 2-R-KC-0090 KC 05/06/2004 CLR N N N F01.030.070 2-R-KC-0040 KC 05/06/2004 CLR N N N F01.030.071 2-R-KC-0318 KC 05/06/2004 CLR N N N F01.030.073 2-R-KC-0058 KC 04/27/2004 CLR N N N F01.030.074 2-R-KC-0059 KC 04/27/2004 CLR N N N	F01.030.067	2-R-KC-0080	KC	05/06/2004	CLR		N	N		
F01.030.070 2-R-KC-0040 KC 05/06/2004 CLR N N N F01.030.071 2-R-KC-0318 KC 05/06/2004 CLR N N N F01.030.073 2-R-KC-0058 KC 04/27/2004 CLR N N N F01.030.074 2-R-KC-0059 KC 04/27/2004 CLR N N N	F01.030.068	2-R-KC-0082	KC	05/06/2004	CLR		N	N		
F01.030.071 2-R-KC-0318 KC 05/06/2004 CLR N N N F01.030.073 2-R-KC-0058 KC 04/27/2004 CLR N N N F01.030.074 2-R-KC-0059 KC 04/27/2004 CLR N N N	F01.030.069	2-R-KC-0090	KC	05/06/2004	CLR		N	N		
F01.030.073 2-R-KC-0058 KC 04/27/2004 CLR N N N F01.030.074 2-R-KC-0059 KC 04/27/2004 CLR N N	F01.030.070	2-R-KC-0040	KC	05/06/2004	CLR		N	N		
F01.030.074 2-R-KC-0059 KC 04/27/2004 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	Ν		
F01.030.075 2-R-KC-0060 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	F01.030.103	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	F01.030.104	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	F01.030.159	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	F01.030.160	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	F01.030.161	2-R-RN-0022	RN	05/06/2004	CLR		N	Ν		
F01.030.162 2-R-RN-0031 RN 05/06/2004 CLR N N	F01.030.162	2-R-RN-0031	RN	05/06/2004	CLR	***	N	Ν		
F01.030.163 2-R-RN-0032 RN 05/06/2004 CLR N N	F01.030.163	2-R-RN-0032	RN	05/06/2004	CLR		N	Ν		
F01.030.191 2-R-SA-0008 SA 09/18/2004 REC 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	F01.030.223	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	F01.030.224	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	F01.030.225	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	F01.031.011	2-R-CA-0106	CA	04/22/2004	CLR		N	Ν		
F01.031.012 2-R-CA-0118 CA 04/22/2004 CLR N N	F01.031.012	2-R-CA-0118	CA	04/22/2004	CLR		N	Ν		
F01.031.013 2-R-CA-0121 CA 04/22/2004 CLR N N	F01.031.013	2-R-CA-0121	CA	04/22/2004	CLR	•••	N	Ν		
F01.031.014 2-R-CA-0124 CA 04/22/2004 CLR N N	F01.031.014	2-R-CA-0124	CA	04/22/2004	CLR		N	Ν		
F01.031.054 2-R-KC-0323 KC 05/06/2004 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	F01.031.055	2-R-KC-0211	KC	04/27/2004	CLR		N	Ν		
F01.031.056 2-R-KC-0198 KC 04/27/2004 CLR N N	F01.031.056	2-R-KC-0198	KC	04/27/2004	CLR		N	Ν		
F01.031.065 2-R-KC-1583 KC 09/20/2004 CLR N N	F01.031.065	2-R-KC-1583	KC	09/20/2004	CLR		N	Ν		
F01.031.066 2-R-KC-1661 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	F01.031.191	2-R-SA-0014	SA	04/22/2004	REC		N	Ν		
F01.032.001 2-R-CA-0204 CA 04/26/2004 CLR N N	F01.032.001	2-R-CA-0204	CA	04/26/2004	CLR		N	Ν		

DUKE ENERGY RPORATION
QUALITY ASSURANCE TECHNICAL SERVICES
In-Service Inspection Database Management System
Catawba 2 Inservice Inspection Listing

EOC 13

G02.001.016

2SM44-03

Run D Page 17 12/16/2004

Plant: Catawba	1		ı	Catawba 2 Ir	nservice inspec	tion Listing		rage (7
Plant: Catawoa				Int	erval 2 Outage	6		12/16/2004
ITEM NUMBER	ID NUMBER	SYSTEM	INSP DATE	INSP STATUS	INSP LIMITED	GEO REF	RFR	COMMENTS
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	Ν	
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	Ν	
F01.040.220	2DGEIAFA1-SUPPORT	VN	09/22/2004	CLR		N	Ν	
G02.001.012	2SM44-01	SM	10/04/2004	CLR		N	N	
G02.001.012A	2SM44-01	SM	10/04/2004	CLR		N	Ν	
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	•••	Υ	Ν	
G02.001.014A	2SM-4D-B	SM	10/04/2004	CLR	***	N	N	
G02.001.015	2SM-4D-A	SM	10/04/2004	CLR	•==	Υ	Ν	
G02.001.015A	2SM-4D-A	SM	10/04/2004	CLR	•••	N	N	
		_						

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CLR

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10/04/2004

DUKE ENERGY RPORATION
QUALITY ASSURANCE TECHNICAL SERVICES
In-Service Inspection Database Management System
Catawba 2 Inservice Inspection Listing
Interval 2 Outage 6

EOC 13

Plant: Catawba 2

Run D Page 18 12/16/2004

ITEM NUMBER	ID NUMBER	SYSTEM	INSP DATE	INSP STATUS	INSP LIMITED	GEO REF	RFR	COMMENTS
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		Υ	N	
G02.001.019A	2SM46-02	SM	09/29/2004	CLR		N	N	
G02.001.020	2SM-7D-A	SM	10/02/2004	CLR		Υ	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	Ν	
G02.001.021A	2SM46-07	SM	09/29/2004	CLR	***	N	Ν	
G02.001.022	2SM48-01	SM	09/30/2004	CLR		N	N	
G02.001.022A	2SM48-01	SM	09/29/2004	CLR		N	N	

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Weld / C	omponent	ID.		-INLET-S				Project _		tawba	Nuclear S	Station
Procedure No./Rev. NDE 12/11 Acceptance/Reporting Standards A												
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2-3	10/7/04			RUS	II	10/7	7/04	1				<u> </u>
3-4	10/7/04			R63	II	10/7		/	<u>L</u>			
4-5 5-6	10/7/04 10/7/04			RGS	II	10/7		V				
6-7	10/7/04			RG5 RG5		10/7		1	+			
7-8	10/7/04	 		RG5		10/7			 			
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and flaw		comp. Fusion comp. Pen.	5. Crack	ea Inseri	7. Undercu 8. Porosity		_	Convexi Concavity			nclusion	
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ASH 19/04

									FC	RM N	DE-R	TI RE	VISION 5
Ì			DU:	KE PO	WE	R CO	MPAI	YY					
<u>. </u>	RADIOGRAPHIC EXAMINATION REPORT / TECHNIQUE												
Weld / Component ID. 2NC13-02 Project Catawba Nuclear Station													
	re No./Rev.		NDE 12/11	-	Acce	ptance/F	Reporti	ng St		Α			···
Dy	, Ra	diographer		Level		ate	_						
XU	UM	ack		$\mathcal{I}\mathcal{L}$	10/	7/04	Cod	le Rei	ference	ASM	Œ XI		
Material:		CS 🔯	SS	X		$\overline{\Box}$	Dia	meter	31 " E	D	Thi	ckness :	2.50"**
Source:		-192 Size:	.142 Curi		01	_ Estin			Build-Up	_	625	SFD	18
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Film Bra			uji 100 Cer			omment	_	k	Fuji 100			ize(s):	NA
B	hickness:		010 Center			Back _	.010					ıal Ug: _	0.029
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Interval	Date	Indication	Length/Size	Review		VIEW	l De		A 222	ı D	oi a a t	Damart	Doobood
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2-3	10/7/04			RG S		II	10/7						
3-4	10/7/04			RUS		II	10/7	/04					
4-5	10/7/04			RGS		II	10/7						
5-6	10/7/04			RGS		<u>II</u>	10/7						
6-7 7-8	10/7/04 10/7/04	 		RGS		II II	10/7 10/7						
8-9	10/7/04	12		RG5 RG5			10/7		<u></u>	-			
9-0	10/7/04	8,6	.187",1.0"	RGS		II	10/7					×	
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Indicatio		omp. Fusion	4. Unconsum	ed Insert		Undercu			Convex			Surface	
and flaw		omp. Pen.	5. Crack			Porosity			Concavi			nclusion	
types: Exam Lim		essive Pen. Yes:	6. Slag	xamined	9. 	Tungster	1 [Film Art	ilact	15.		į
			ness 2.5" - 3.2",				<u> </u>						
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Second Re	view	72	Turk.			Level	III		Date		1	0/7/04	
ANI/ANII	_	Kale	wh mil	17 _	_			_	Date)-11-04	
	_						_	lte	m No.			130 010	

PIP Scrial 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>

Mode %Power Unit Status Remarks

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

rief 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 duirng 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:

India.

<u>Indiv</u>

<u>Team</u>

Group

<u>Date</u>

Problem Identified By: Problem Entered By:

JFB8158 JLW3805 JFB8158 JLW3805 IWS IWS 10/11/2004 10/11/2004

Screening

Action Category: 3

Root Cause performed? No

OEP No:						
Other Report Nos:	:					
Event Codes: F3 F8	Equipment out of norm Testing					
Screening Rema Screened by the ce	nrks: entralized screening team on 1	0/12/04.				
Last Updated By:	SRGADMIN: SRG Admin To	eam: Group: SRG	Date: 10/12/2004			
Originated By: MI	_S9465: STANDRIDGE, MIC	CKEY L Team: PAI	M7334 Group: SRG	Date: 10/11/2004		
Responsible Group Responsible Group	os(s) for Problem Evaluation: o for Present Operability: o for Report Support Info:	MCE N/A N/A	Mechanical/Civil E	ng		
Responsible Group Responsible Group	o for Reportability: o for Overall PIP Approval:	N/A IWS	INSPEC. & WELD	. SERV.		
Signature Type	Indiv			Group	Date	
Signature Type Screened By:	Indiv MLS9465	Team PAM73		Group SRG	Date 10/11/2004	
	MLS9465					
Screened By:	MLS9465 e rability					
Screened By: Present Ope	MLS9465 erability up:	PAM73				
Present Ope Responsible Grou	MLS9465 erability up:	PAM73				
Present Ope Responsible Grou Sys/Comp Operable	MLS9465 erability up:	PAM73				
Present Ope Responsible Grou Sys/Comp Operabl Required Mode:	MLS9465 erability up:	PAM73 Status:				
Present Ope Responsible Grou Sys/Comp Operabl Required Mode:	MLS9465 erability up: de? (Y,N,C,E,T): No Current Signatures For	PAM73 Status:				
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Responsible Grou Sys/Comp Operable Required Mode: Comments:	MLS9465 erability up: le? (Y,N,C,E,T): No Current Signatures For	PAM73 Status:				
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Present Ope Responsible Group Sys/Comp Operable Required Mode: Comments: Reportabilit Responsible Group Problem Reportable	MLS9465 erability up: le? (Y,N,C,E,T): No Current Signatures For	PAM73 Status:				

No Current Signatures For This Section

westigation 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 Gr	oups'
F3	R1	Cause Determination Not Required	Yes	Ñ/A	

-oblem 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

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 Cod	e 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 - 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:

ther 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

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 Grou	p Event Code	Prop CAC	Cause Code
RGC	Closed	īws	F8	A2	YYY

roposed 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. (La Team	Group	Date
ue 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

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 ReadyF	orApprove MCE	F3	J	Ri

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:

12/09/2004 12:31

.ssessment	Remarks:
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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 Significan	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 Loss of Heat Decay Removal: No

Force Outage Rate or Plant Transient: 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]

and 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.

						I	Flaw		
							Indication		
	0-4-			Time of		Repair,	Maint/ ISI	Owner	
Work Order	Code Class	Sys	MOD No.	Type of Inspection	Description of Work	Replacement	(*Yes No)	Final	ANII Final
98639181-05		NC NC	NA	VT	S/R 2-R-NC-1680	Replacement	No	10/19/2004	10/20/2004
	A	NC NC	NA NA	VT	Pivot Pin for 2-R-NC-1691	Replacement	No	11/17/2004	11/18/2004
98639695-04	A A	NC NC	NA NA	VT	VALVE 2NC-2	Replacement	No	12/8/2004	12/9/2004
98639695-05	A B	NI NI	CE61688	VT			No	9/3/2004	9/8/2003
98452198-02	B	NI	CE61689	VT	Install Piping in Oil System	Replacement Replacement	No	8/11/2003	8/13/2003
98452266-02				PT,VT	Replace Piping NI Lube Oil Sys.		No	10/27/2004	10/27/2004
98466043-01	В	ND	CE70742		Valve 2ND-61	Replacement			
98466058-01	В	ND	CE70742	PT,VT	Valve 2ND-60	Replacement	No	10/27/2004	10/27/2004
98488255-08	В	CF	CE61809	VT, PT	Valve 2CF-170	New	No	12/8/2004	12/9/2004
98488255-09	В	CF	CE61809	VT, PT	Valve 2CF-171	New	No	12/8/2004	12/13/2004
98488255-10	В	CF	CE61809	VT, PT	Valve 2CF172	New	No	12/8/2004	12/14/2004
98488255-11	В	CF	CE61809	VT, PT	Valve 2CF-173	New	No	12/8/2004	12/13/2004
	_				NS HX "2B" Manway Cover				
98503335-25	В	NS	21432/01	VT	Bolting	Replacement	No		10/27/2004
98503335-26	В	NS	21432/01	VT	Containment Spray HX "2B"	Replacement	No	12/15/2004	12/27/2004
98520607-01	В	NI	NA	VT	Valve 2NI-102	Replacement	No		10/11/2004
98589495-01	В	NV	NA	VT	Bolting for CCP 2B	Replacement	No	9/30/2003	10/1/2003
98590899-02	В	NV	NA	VT,PT	Valve 2NV-315	Replacement	No	11/1/2004	11/3/2004
98590953-01	В	NV	NA	PT,VT	Valve 2NV-326	Replacement	No	10/27/2004	11/4/2004
98599619-01	В	SV	NA	VT	Repair Seat Leak to 2SV-1	Replacement	No	9/3/2003	9/29/2003
98605085-01	В	CF	CE73281	VT,PT,RT	Valve 2CF-088	Replacement	No	11/3/2004	11/4/2004
98605087-01	В	CF	CE73281	VT,PT,RT	Valve 2CF-87	Replacement	No	12/9/2004	12/9/2004
98607879-01	В	NV	NA	RT,PT.VT	Valve 2NV-181	Replacement	No	10/27/2004	11/3/2004
98619446-01	В	ND	NA	VT	RHR Pump Motor 2A	Replacement	No	11/16/2004	
98621798-09	В	CA	NA	VT	Valve Plug for 2CA-64	Replacement	No	10/20/2004	
98621805-09	В	CA	NA	VT	Valve plug for 2CA-44	Replacement	No		10/21/2004
98621806-09	В	CA	NA	VT	Valve Plug for 1CA-40	Replacement	No	10/20/2004	10/21/2004
98621868-01	В	SM	CE73094	VT	Valve 1SM-105	Replacement	No	11/2/2004	11/3/2004
98626361-05	В	NF	CE62112	VT	2NF-228A Bolting	Replacement	No	12/14/2004	
98626362-05	В	NF	CE62112	VT	2NF-234A Bolting	Replacement	No	12/14/2004	12/14/2004
98631591-01	В	BB	CE62293	PT,VT	Valve 2BB-17	Replacement	No	10/27/2004	11/4/2004
98639181-03	В	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	В.	ND	NA	VT	Valve 2ND-03	Replacement	No	12/14/2004	12/14/2004
98639722-01	<u>B</u>	ND	NA	VT	Valve 2ND-031	Replacement	No	12/7/2004	12/7/2004
98639723-01	В	ND	NA NA	VT	Valve 2ND-035	Replacement	No	12/7/2004	12/7/2004
98639724-01	В	ND	NA NA	VT	VALVE 2ND-38	Replacement	No	12/8/2004	12/9/2004

^{*} If Yes, state Maint or ISI and list PIP Number

98639725-01	В	ND	l NA	VT	Valve 2ND-064	Replacement	No	12/7/2004	12/7/2004
98639915-01	В	NV	NA NA	VT	Valve 2NV-223	Replacement	No		10/21/2004
98639916-01	В	NV	NA NA	VT	Valve 2NV-223	Replacement	No		10/21/2004
98639930-10	В	SM	NA NA	VT	Bolt for SG 2B Manway Cover		No	10/13/2004	
98639958-01	B	SM	NA NA	VT		Replacement	No		
98640008-01	В	SV	NA NA	VT VT	SG 2D Manway Cover	Replacement		10/28/2004	11/3/2004
98640009-01	В	SV		VT	Valve Disc 2SV-9	Replacement	No	10/4/2004	10/8/2004
		SV	NA NA	VT	Valve Disc 2SV-12	Replacement	No	10/4/2004	10/8/2004
98640010-01	В		NA NA		Valve Disc 2SV-14	Replacement	No	9/30/2004	10/4/2004
98640011-01	В	SV	NA NA	VT	Valve Disc 2SV-15	Replacement	No	4-Oct	10/8/2004
98640012-01	В	SV	NA NA	VT	Valve Disc 2SV-17	Replacement	No	10/4/2004	10/8/2004
98640781-01	В	NV	NA NA	VT	VALVE 2NV-87	Replacement	No	12/8/2004	12/9/2004
98641315-20	В	NS	21446/01	VT,PT,RT	Install NS Piping for NS HX "2A"	New	No	12/15/2004	12/29/2004
00044045 00	_	410							
98641315-28	В	NS	21446/01	VT	NS HX "2A" Manway Cover Bolting	Replacement	No		10/27/2004
98641315-29	В	NS	21446/01	VT	Containment Spray HX "2A"	Replacement	No		12/27/2004
98641914-01	В	SV	NA NA	VT	Disc for Valve 2SV006	Replacement	No	9/26/2004	9/27/2004
98641963-01	В	SV	NA	VT	Valve Disc 2SV-2	Replacement	No	9/30/2004	10/4/2004
98641967-01	В	SV	NA	VT	Disc for Valve 2SV-23	Replacement	No	9/26/2004	9/27/2004
98641969-01	В	SM	NA	VT,PT	Weld repair 2SM-001	Repair	No	11/2/2004	11/2/2004
98641969-07	В	SM	NA NA	VT/PT	BMR for Valve 2SM-1	Repair	No	10/4/2004	10/8/2004
98642541-01	В	NI	NA	VT	Valve 2NI-119	Replacement	No	10/13/2004	10/22/2004
98642543-01	В	NI	NA NA	VT	VALVE 2NI-151	Replacement	No	10/13/2004	10/22/2004
98642546-01	В	NI	NA	VT	Valve 2NI-161	Replacement	No	10/14/2004	
98642548-01	В	NV	NA	VT	Valve 2NV-14	Replacement	No	12/14/2004	12/14/2004
98642549-01	В	NV	NA	VT	Valve 2NV-222	Replacement	No	10/14/2004	10/21/2004
98655501-01	В	NS	CNCE-62339	VT	Bolting for NS Pump 2B	Replacement	No	9/26/2004	9/27/2004
98668677-04	В	NS	CE62362	VT,PT,RT	NS Piping	New	No	12/6/2004	12/7/2004
98669215-04	В	NS	CE62362	VT,PT,RT	NS Piping	New	No	11/18/2004	11/22/2004
98679862-01	В	FW	NA	VT	Bolting for FWST Conn.	Replacement	No	11/29/2004	12/6/2004
98691038-01	В	SV	NA	VT	Valve Disc 2SV-8	Replacement	No	10/4/2004	10/8/2004
98694269-01	В	NV	NA	VT	U Bolt for 2-R-NV-1186	Replacement	No	10/18/2004	10/20/2004
		-							
98443448-01	С	YC	NA	VT,PT	Weld Repair YC Chiller 2CRA-C-1	Repair	No	3/19/2004	5/6/2004
98453424-06	С	RN	NA	VT	RCP Oil Cooler Bolting	Replacement	No	10/5/2004	10/6/2004
98503335-16	С	RN	21432/01	VT,PT	RN Piping for NS HX "2B"	New	No	12/15/2004	12/29/2004
98503335-88	С	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	Ċ,	RN	21432/01	VT	Restore RN Piping	Replacement	No	12/15/2004	12/27/2004
98552262-01	Ċ	CA	NA	VT	Valve 2CA-173 Disc	Replacement	No	11/2/2004	11/2/2004
98573959-01	С	KC	NA	VT	Valve 2KC-105/Bolting	Replacement	No	10/13/2004	10/22/2004

^{*} If Yes, state Maint or ISI and list PIP Number

00570050 44	_	140	0570700	\ 				·····	
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	С	CA	NA	VT	Valve plug for 2CA-60	Replacement	No		10/21/2004
98621801-11	<u>၂</u>	CA	NA	VT	Valve Plug 2CS-56	Replacement	No	10/4/2004	10/6/2004
98621803-08	С	CA	NA	VT	Valve plug for 2CA-48	Replacement	No	10/27/2004	
98639104-01	С	KD	NA	VT	Retube DG HX "2B"	Repair	No	9/30/2004	10/4/2004
98639111-01	С	KC	NA	VT	Valve 2KC-281	Replacement	No	11/1/2004	11/3/2004
98641315-19	С	RN	21446/01	VT,PT	RN Piping For NS HX "2A"	New	No		12/27/2004
98641315-96	С	RN	21446/01	VT	Bolting for 2RNFE5800	Replacement	No		12/27/2004
98641315-97	C	RN	21446/01	VT	Restore RN Piping	Replacement	No		12/27/2004
98641315-98	С	RN	21446/01	VT	Restore RN Piping	Replacement	No	12/14/2004	
98641672-06	С	RN	NA	VT	NSW Strainer 2A Bolting	Replacement	No		10/27/2004
98641672-12	С	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	
98641950-01	С	RN	NA	VT	Valve Body 2RN-351	Replacement	No	9/30/2004	10/4/2004
98641958-01	С	RM	NA	VT	Valve 2RN291	Replacement	No	11/2/2004	11/3/2004
98642077-03	С	CF	NA	VT	Bolting for 2CF37	Replacement	No	10/19/2004	10/20/2004
98642175-13	С	RN	NA	VT	Bolting for 2RN-49A	Replacement	No	9/26/2004	9/27/2004
98642509-06	С	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	O	KC	NA	VT	2KC-111 Valve Disc	Replacement	No	7/7/2004	7/22/2004
98670921-01	С	KF	NA	VT	Bolting for KF Flanges	Replacement	No	11/4/2004	11/4/2004
98677902-01	С	RN	NA	PT,VT	REPAIR WELD 0RN57-8	Repair	No	10/27/2004	10/27/2004

							Yes PIP C	1	
98689416-01	С	NV	NA	VT,PT	BMR for Boric Acid Tank	Repair	04-4251	11/1/2004	11/2/2004
98692023-01	С	RN	NA	VT	Bolting for 2RN-835	Replacement	No	12/15/2004	12/27/2004
98694258-01	С	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	
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
									

^{*} If Yes, state Maint or ISI and list PIP Number

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. 28201-1006		
2. Plant CATAWBA NUCLEAR STATION	2a Unit 1 2 3	☐ Shared (specify Units☐)
Address 4800 CONCORD RD. YORK, S.C. 29745		_
3. Work Performed By <u>Duke Power Company</u>	3a Work Order # 98452198-02	
Address 526 S. Church St. Charlotte, N.C. 28201-1006		
Type Code Symbol Stamp N/A Authorization No. N/A	3b NSM or MN # CE61688	
Expiration Date N/A		
4 Identification of System NI SAFETY INJECTION SYSTEM	Class B	
5. (a) Applicable Construction Code III 1974 Edition, S'75 Addenda, Cod	e Cases	
(b) Applicable Edition of Section XI Utilized for Repairs or Replacement	nts 1992 Addenda NONE	
6 Identification of Components Renaired 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)
Α	Pipe/Fittings	Duke Power Co.	C-2NI	172	1 1/4" Pipe-SA106, Cap, Tee, 90 ell & Coupling- SA105	NA	Replacement	No
В	Pipe Welds	Duke Power Co.	C-2NI	172	Welds # 1201.05-0075-2A3,4,5,6,7,8,9	2003	Replacement	No
C							-	-
D							-	-
Е							-	_
F							-	-

ACME	Section	XI Manual	ı
ASME	Section	A i Mianua	ı

Date 9-8_,2003 __

Form NIS-2 (Back)

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 81/2in. x 11 in. (2)

Section E Exibit A

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 Pneumatic Nominal Operating Pressure Other Exempt Pressure 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 TECH SPEC Date 9/8 ,20 0 3 Signed_ 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. ____ Commissions __ NC 978___

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. 28201-1006	The Date 08/11/03 alislos	
2. Plant CATAWBA NUCLEAR STATION	2a Unit 🖾 1 🔀 2 🔲 :	3 Shared (specify Units
Address 4800 CONCORD RD. YORK, S.C. 29745		
3. Work Performed By <u>Duke Power Company</u>	3a Work Order # 98452266-02	
Address 526 S. Church St. Charlotte, N.C. 28201-1006		
Type Code Symbol Stamp N/A Authorization No. N/A	3b NSM or MN # CE61689	
Expiration Date N/A		
4 Identification of System NI SAFETY INJECTION SYSTEM	Class B	
5. (a) Applicable Construction Code III 1974 Edition, S'75 Addenda, Cod	e Cases	
(b) Applicable Edition of Section XI Utilized for Repairs or Replacement	nts 1992 Addenda NONE	
6 Identification of Components Renaired 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)
Α	Pipe/Fittings	Duke Power Co.	C-1NI	128	1 1/4" Pipe- SA106, Coupling, Cap, Tee, 90 Ell- SA105	NA	Replacement	No
В	Welds	Duke Power Co.	C-1NI	128	1201.05-0075-2B-3,4,5,6,7,8,9	2003	Replacement	No
С							-	-
D							-	-
Е	·						-	-
F							-	-

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Form NIS-2 (Back)

Section E Exibit A

As Required By The Provisions Of The ASME Code Section XI

1. Owner DUKE POWER COMPANY	la Date 10/27/04	Sheet 1 of 1
Address 526 S. CHURCH STREET. CHARLOTTE N.C. 28201-1006 2. Plant CATAWBA NUCLEAR STATION	2a Unit ☐ 1 🖂2 [3 Shared (specify Units)
Address 4800 CONCORD RD. YORK, S.C. 29745		
3. Work Performed By <u>Duke Power Company</u>	3a Work Order # 98466043-0	01
Address 526 S. Church St. Charlotte, N.C. 28201-1006		
Type 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	e Cases	
(b) Applicable Edition of Section XI Utilized for Repairs or Replacement	its 1989 Addenda NONE	
6 Identification of Components Denoired or Denlacement 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)
Α	Valve	Fisher	BF226606	4817	Valve tag 2ND-61	1979	Replaced	Yes
В	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							-	-

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Form NIS-2 (Back)

Section E Exibit A

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 81/2in. 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 CasesNONE_
(Applicable Manufacturers Data Records to be attached)
CERTIFICATE OF COMPLIANCE
We certify that the statements made in the report are correct and this <u>repair or replacement</u> 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 Aut Lotto 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 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 Mc Sul Commissions NC 978 Inspector's Signature
Date 10-27_,20_()4

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. 28201-1006		
2. Plant CATAWBA NUCLEAR STATION	2a Unit 🔲 1 🔀 2	3 Shared (specify Units
Address 4800 CONCORD RD. YORK, S.C. 29745		
3. Work Performed By <u>Duke Power Company</u>	3a Work Order # 98466058	8-01
Address 526 S. Church St. Charlotte, N.C. 28201-1006		
Type Code Symbol Stamp N/A Authorization No. N/A	3b NSM or MN # CE70742	2
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, Cod	le Cases	
(b) Applicable Edition of Section XI Utilized for Repairs or Replacement	nts 1989 Addenda NONE	
6 Identification of Components Renaired 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)
Α	Valve	Fisher	BF226603	4850	Valve tag 2ND-60	1979	Replaced	Yes
В	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		33334					-	•
E							-	-
F							-	-

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ASM	Ir. 56	cnon	ЛI	MIANUA	

Form NIS-2 (Back)

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

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 81/2in. x 11 in. (2)

Section E Exibit A

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 CasesNONE_
(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 Authorization No. N/A 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 9-21-04 to 16-17-04 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. Commissions NC 978 Inspector's Signature
Date 10-21,20_04

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. 28201-1006		
2. Plant CATAWBA NUCLEAR STATION	2a Unit ☐ 1 🖂2 ☐	3 Shared (specify Units)
Address 4800 CONCORD RD. YORK, S.C. 29745		
3. Work Performed By <u>Duke Power Company</u>	3a Work Order # 98488255-0	8
Address 526 S. Church St. Charlotte, N.C. 28201-1006		
Type Code Symbol Stamp N/A Authorization No. N/A	3b NSM or MN # CE61808	
Expiration Date <u>N/A</u>		
4 Identification of System CF MAIN 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 Replacement	s 1992 Addenda NONE	
6. Identification of Components Repaired or Replacement Components		

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

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 81/2in. 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 _
8. Test Conducted: Hydrostatic Pneumatic Nominal Operating Pressure Other Exempt Pressure 998 psig Test Temp. 427 deg.F.
9. Remarks _ Code CasesN-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 /alb Sith TECH SPEC Date 12/8 ,20 6 4
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.
Inspector's Signature Commissions NC 978
Date _12.9_ ,20_0 4

Section E Exhibit A

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. 28201-1006	o 77 % [T] o [Mo	
2. Plant CATAWBA NUCLEAR STATION	2a Unit 🔲 1 🔀 2	3 Shared (specify Units)
Address 4800 CONCORD RD. YORK, S.C. 29745		
3. Work Performed By <u>Duke Power Company</u>	3a Work Order # 98488255	-09
Address 526 S. Church St. Charlotte, N.C. 28201-1006		
Type Code Symbol Stamp N/A Authorization No. N/A	3b NSM or MN # CE61809	
Expiration Date N/A		
4 Identification of System CF MAIN FEEDWATER SYSTEM	Class B	
5. (a) Applicable Construction Code III 1974 Edition, S'75 Addenda, Code	e Cases	
(b) Applicable Edition of Section XI Utilized for Repairs or Replacemen	ts 1992 Addenda NONE	

<u> </u>	Column 1	Column 2	Column 3	Column	Column 5	Column	Column 7	Column
	Column 1	Column 2	Column 3	4	Column 5	6	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)
Α	Valve	Flowserve	76AZP	1374	2CF-171	2004	New	Yes
В	Pipe/Fittings	Duke Power Co.	C-2CF	158	2" Pipe-SA335, 90ell- SA182, H/Cplg- SA182 2"Pipe Cap-SA105	NA	New	No
С	Pipe Welds	Duke Power Co.	C-2CF	158	2CF102-58 2CF104-25 thru 44 2CF37- 90 2CF60-41	2004	New	No
D							-	-
E							-	-
F							-	-

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. 28201-1006		
2. Plant CATAWBA NUCLEAR STATION	2a Unit ☐ 1 ☐ 2 ☐	3 Shared (specify Units)
Address 4800 CONCORD RD. YORK, S.C. 29745		
3. Work Performed By <u>Duke Power Company</u>	3a Work Order # 98488255-09	
Address 526 S. Church St. Charlotte, N.C. 28201-1006		
Type Code Symbol Stamp N/A Authorization No. N/A	3b NSM or MN # CE61809	
Expiration Date N/A		
4 Identification of System CF MAIN FEEDWATER SYSTEM	Class NF	
5. (a) Applicable Construction Code III 1974 Edition, S'75 Addenda, Code	e Cases	
(b) Applicable Edition of Section XI Utilized for Repairs or Replacemen	ts 1992 Addenda NONE	

	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)
Α	Pipe Clamp	Anvil International	NA	NA	2-R-CF-1724	NA	Replacement	No
В	Welds	Duke Power Co.	C-2CF	158	2-R-CF-1724-3	2004	New	No
С							-	-
D							-	-
E							-	-
F							-	-

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 81/2in. 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 CasesN-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 <u>repair or replacement</u> 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 Authority 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.
Commissions NC 978 Inspector's Signature
Date_12·13_,20_04

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. 28201-1006		
2. Plant CATAWBA NUCLEAR STATION	2a Unit	3 Shared (specify Units)
Address 4800 CONCORD RD. YORK, S.C. 29745		
3. Work Performed By <u>Duke Power Company</u>	3a Work Order # 98488255-10	
Address 526 S. Church St. Charlotte, N.C. 28201-1006	•	
Type Code Symbol Stamp N/A Authorization No. N/A	3b NSM or MN # CE61809	
Expiration Date N/A		
4 Identification of System CF MAIN 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 Replacement	ts 1992 Addenda NONE	

	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
В	Pipe/Fittings	Duke Power Co.	C-2CF	158	2" Pipe- SA335, 90 ell- SA182, H/Cplg- SA182	NA	New	No
С	Pipe Welds	Duke Power Co.	C-2CF	158	2CF100-97 thru 122 2CF57-48	NA 2004 C+2 12/2/04	New	No
D							•	-
Е							-	-
F							-	-

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. 28201-1006		
2. Plant CATAWBA NUCLEAR STATION	2a Unit 🔲 1 🔀 2 🔲 3	Shared (specify Units)
Address 4800 CONCORD RD. YORK, S.C. 29745		
3. Work Performed By <u>Duke Power Company</u>	3a Work Order # 98488255-10	
Address 526 S. Church St. Charlotte, N.C. 28201-1006		
Type Code Symbol Stamp N/A Authorization No. N/A	3b NSM or MN # CE61809	
Expiration Date N/A		
4 Identification of System CF MAIN FEEDWATER SYSTEM	Class NF	
5. (a) Applicable Construction Code III 1974 Edition, S'75 Addenda, Cod	le Cases	
(b) Applicable Edition of Section XI Utilized for Repairs or Replacement	nts 1992 Addenda NONE	
6 Identification of Components Renaired or Replacement Components		

	Column 1 Column 2 Column 3 Column Column 5 Column Column 7 Column							Column
	Column	Column 2		4	Column	6	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)
Α	Pipe Clamp	Anvil International	NA	NA	2-R-CF-1722	NA	Replacement	No
В	Weld	Duke Power Co.	C-2CF	158	2-R-CF-1722-5	2004	Replacement	No
С							-	-
D							-	-
E							-	-
F							-	_

/	NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 81/2in. 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-172_							
	8. Test Conducted: Hydrostatic Pneumatic Nominal Operating Pressure Other Exempt Pressure 1008 psig Test Temp. 427 deg.F.							
	9. Remarks _ Code CasesN-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 <u>repair or replacement</u> 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							
l								
	Signed							
	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 3-9-01 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.							
	Commissions NC 978							
I	Inspector's Signature Date _12-14_,20_04							
	Date_12-14_,20_04							

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. 28201-1006	14 Date 12/00/04	Sheet 1 of 1
2. Plant CATAWBA NUCLEAR STATION	2a Unit 🔲 1 🔀 2	3 Shared (specify Units)
Address 4800 CONCORD RD. YORK, S.C. 29745	-	
3. Work Performed By <u>Duke Power Company</u>	3a Work Order # 98488255	5-11
Address 526 S. Church St. Charlotte, N.C. 28201-1006		
Type Code Symbol Stamp N/A Authorization No. N/A	3b NSM or MN # CE61809)
Expiration Date <u>N/A</u>		
4 Identification of System CF MAIN 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 Replacement	ts 1992 Addenda NONE	
C Thursday CO		

	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
В	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							-	-
Ε							-	-
F							-	-

Form NIS-2 (Back)

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

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 81/2in. x 11 in. (2)

Section E Exibit A

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 CasesN-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 Authorization No. N/A TECH SPEC Date 12/8, 20 0 4 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 12-13-04 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.
Commissions NC 978 Inspector's Signature
Date 12-13_,20_04

As Required By The Provisions Of The ASME Code Section XI

	C15 12/16/04
1a Date 12/15/04	Sheet / of 3
	·
2a Unit 1 2 3	Shared (specify Units)
	_
3a Work Order # 98503335-17	
3b NSM or MN # 21432/01	
Class B	
Cases	
s 1992 Addenda NONE	
	2a Unit

	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
В					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							-	-

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. 28201-1006 2. Plant CATAWBA NUCLEAR STATION Address 4800 CONCORD RD. YORK, S.C. 29745	2a Unit 🔲 1 🔀 2	3 Shared (specify Units)
3. Work Performed By <u>Duke Power Company</u> Address <u>526 S. Church St. Charlotte</u> , N.C. 28201-1006	3a Work Order # 98503335	-17/ 98707981-01
Type Code Symbol Stamp N/A Authorization No. N/A Expiration Date N/A	3b NSM or MN # 21432/01	
4 Identification of System NS CONTAINMENT SPRAY SYSTEM	Class NF	
5. (a) Applicable Construction Code III 1974 Edition, S'75 Addenda, Code(b) Applicable Edition of Section XI Utilized for Repairs or Replacement		

	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
В	Sway Strut	Anvil International	41-50842/ 2001-323	NA	2-R-NS-0050	2001	Replacement	Yes
С	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							-	-

As Required By The Provisions Of The ASME Code Section XI

		12/16/04
1. Owner <u>DUKE POWER COMPANY</u>	1a Date 12/15/04	Sheet 3 of 3
Address 526 S. CHURCH STREET. CHARLOTTE N.C. 28201-1006		
2. Plant CATAWBA NUCLEAR STATION	2a Unit 1 🔲 1 🖂 2 🔲 3	Shared (specify Units)
Address 4800 CONCORD RD. YORK, S.C. 29745	_	
3. Work Performed By <u>Duke Power Company</u>	3a Work Order # 98503335-17	
Address 526 S. Church St. Charlotte, N.C. 28201-1006		
Type Code Symbol Stamp N/A Authorization No. N/A	3b NSM or MN # 21432/01	
Expiration Date N/A		
4 Identification of System NS CONTAINMENT SPRAY SYSTEM	Class B	
5. (a) Applicable Construction Code III 1974 Edition, S'75 Addenda, Cod	de Cases	
(b) Applicable Edition of Section XI Utilized for Repairs or Replaceme	nts 1989 Addenda NONE	

	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)
Α	Pipe/Fittings	Duke Power Co.	C-2NS	150	10" PIpe-SA312, 90 ell-SA403, 45 ell- SA403, Tee-SA403, 10x4 RedSA403	NA	New	No
В					2x1 Red.Ins-SA182, 2'Pipe-SA312, 90 ell-SA182, Full CplgSA182		-	-
С					4'Pipe-SA312, 45ell-SA403, 90 ell- SA403, 2"Cap-SA182, 2"FlgSA182		-	-
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 81/2in. 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 CasesN-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 Authorization No. N/A Signed Authorization No. N/A TECH SPEC Date 12/16,2004 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 7-12-04 to 12-28-09 and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this 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 _1-5,20_0 4

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 10/27/04	Sheet 1 of 1
Address 526 S. CHURCH STREET. CHARLOTTE N.C. 28201-1006	A **	
2. Plant CATAWBA NUCLEAR STATION Address 4800 CONCORD RD. YORK, S.C. 29745	2a Unit ☐ 1	3 Shared (specify Units)
3. Work Performed By <u>Duke Power Company</u>	3a Work Order # 98503335	3-25
Address 526 S. Church St. Charlotte, N.C. 28201-1006		
Type Code Symbol Stamp N/A Authorization No. N/A	3b NSM or MN # 21432/01	
Expiration Date N/A		
4 Identification of System NS CONTAINMENT SPRAY SYSTEM	Class B	
5. (a) Applicable Construction Code III 1974 Edition, S'75 Addenda, Coo	de Cases	
(b) Applicable Edition of Section XI Utilized for Repairs or Replaceme	nts 1989 Addenda NONE	
6. Identification of Components Repaired or Replacement Components		

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

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 81/2in. 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 Pneumatic Nominal Operating Pressure Other Exempt Pressure psig Test Temp.
9. Remarks _ Code CasesNONE
(Applicable Manufacturers Data Records to be attached)
CERTIFICATE OF COMPLIANCE
We certify that the statements made in the report are correct and this <u>repair or replacement</u> 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 Aut 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 Mc Lil Commissions NC 978
Inspector's Signature Date W-27, 2015 4
Date 70-01-2010-4

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. 28201-1006		
2. Plant CATAWBA NUCLEAR STATION	2a Unit 🔲 1 🔀 2	3 Shared (specify Units)
Address 4800 CONCORD RD. YORK, S.C. 29745		
3. Work Performed By <u>Duke Power Company</u>	3a Work Order # 98503335	-26
Address 526 S. Church St. Charlotte, N.C. 28201-1006		
Type Code Symbol Stamp N/A Authorization No. N/A	3b NSM or MN # 21432/01	
Expiration Date N/A		- 1,165
4 Identification of System NS CONTAINMENT SPRAY SYSTEM	Class B/N/= els 1/4/05	الوا الوا
5. (a) Applicable Construction Code III 1974 Edition, S'75 Addenda, Code	Cases	
(b) Applicable Edition of Section XI Utilized for Repairs or Replacemen	ts 1989 Addenda NONE	

	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)
Α	Heat Exchanger	YUBA	74-N-0009- 2B	3331	Containment Spray Heat Exchanger "2B"	1978	Replaced	Yes
В	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

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. 28201-1006		
2. Plant CATAWBA NUCLEAR STATION	2a Unit ☐ 1 🔀2	3 Shared (specify Units)
Address 4800 CONCORD RD. YORK, S.C. 29745		
3. Work Performed By <u>Duke Power Company</u>	3a Work Order # 98503335-	-26
Address 526 S. Church St. Charlotte, N.C. 28201-1006		
Type Code Symbol Stamp N/A Authorization No. N/A	3b NSM or MN # 21432/01	
Expiration Date N/A		
4 Identification of System NS CONTAINMENT SPRAY SYSTEM	Class B	
5. (a) Applicable Construction Code III 1974 Edition, S'75 Addenda, Code	e Cases	
(b) Applicable Edition of Section XI Utilized for Repairs or Replacement	nts 1992 Addenda NONE	

	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)
Α	Brackets/Pipe Clamps	Anvil International	NA	NA	For S/R 2-E-NS-0102	NA	Replacement	No
В	Welds	Duke Power Co.	C-2NS	150	Welds # 2-NS-102-9 thru 16	2004	New	No
С							-	-
D							-	-
Е							-	-
F							-	-

inspection.

Date 12.22,20_04__

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

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 81/2in. x 11 in. (2)

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 CasesN-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			
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			
Lexaminations 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

Commissions __NC 978

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. 28201-1006		
2. Plant CATAWBA NUCLEAR STATION	2a Unit 🔲 1 🔀2 📗	3 Shared (specify Units)
Address 4800 CONCORD RD. YORK, S.C. 29745		
3. Work Performed By <u>Duke Power Company</u>	3a Work Order # 98520607-0	1
Address 526 S. Church St. Charlotte, N.C. 28201-1006		
Type Code Symbol Stamp N/A Authorization No. N/A	3b NSM or MN # NA	•
Expiration Date N/A		
4 Identification of System NI SAFETY INJECTION SYSTEM	Class B	
5. (a) Applicable Construction Code III 1974 Edition, S'75 Addenda, Cod	e Cases	
(b) Applicable Edition of Section XI Utilized for Repairs or Replacement	-	
6. Identification of Components Repaired or Replacement Components		

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

Revision 6

Section E Exibit A

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 81/2in. 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 CasesNONE_
(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
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 10-11-09 and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this 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 Media Commissions NC 978 Inspector's Signature

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. 28201-1006		
2. Plant CATAWBA NUCLEAR STATION	2a Unit 🔲 1 🔀 2	3 Shared (specify Units)
Address 4800 CONCORD RD. YORK, S.C. 29745		
3. Work Performed By Duke Power Company	3a Work Order # 98589495	i-01 .
Address 526 S. Church St. Charlotte, N.C. 28201-1006		
Type 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, Cod	e Cases	
(b) Applicable Edition of Section XI Utilized for Repairs or Replacement		
_		

	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	
В							-	-
C							-	-
D	-						-	-
Е							-	-
F							-	-

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 81/2in. 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.
9. Remarks _ Code CasesNONE_
(Applicable Manufacturers Data Records to be attached)
CERTIFICATE OF COMPLIANCE
We certify that the statements made in the report are correct and this <u>repair or replacement</u> 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
Du 10 10
Signed TECH SPEC Date 9/30 ,2003 Owner or Owner's Designee, Title
<u></u>
CERTIFICATE OF INSERVICE INSPECTION
I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the
State or 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 · 9 -03 to 10 · 10 · 10 · 10 · 10 and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.
By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective 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.
$\bigcap_{i=1}^{n} A_{i}$
Commissions NC 978
Inspector's Signature
Date 10 - 1 ,20_0 3

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. 28201-1006		
2. Plant CATAWBA NUCLEAR STATION	2a Unit 🔲 1 🔀 2	3 Shared (specify Units)
Address 4800 CONCORD RD. YORK, S.C. 29745		•
3. Work Performed By <u>Duke Power Company</u>	3a Work Order # 98590899-	-02
Address 526 S. Church St. Charlotte, N.C. 28201-1006		
Type 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	e Cases	
(b) Applicable Edition of Section XI Utilized for Repairs or Replacement	ts 1992 Addenda NONE	
6 Identification of Components Renaired 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
В	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							-	-

ASME Section XI Manual	ASME	Section	XII	Manual
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Inspector's Signature

Date 11-3_,20_61 ___

Form NIS-2 (Back)

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 81/2in. x 11 in. (2)

Section E Exibit A

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-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 TECH SPEC Date /// ,20 04 Signed_ Owner or Owner's Designee, Title CERTIFICATE OF INSERVICE INSPECTION I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of 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.

_____Commissions NC 978

ASME Section XI Manual

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., 28201-1006		•
2. Plant CATAWBA NUCLEAR STATION	2a Unit 🔲 1 🔀 2	3 Shared (specify Units)
Address 4800 CONCORD RD. YORK, S.C. 29745		.
3. Work Performed By <u>Duke Power Company</u>	3a Work Order # 9859095	33-01
Address 526 S. Church St. Charlotte, N.C. 28201-1006		
Type 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 Replacement		
6 Identification of Components Dengired or Penlacement 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)
Α	Valve	Anderson Greenwood	98-14848	2628	Valve tag 2NV-326	1998	Replaced	Yes
В	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							-	-

Date 11.4_,20_0

Form NIS-2 (Back)

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 81/2in. x 11 in. (2)

Section E Exibit A

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 TECH SPEC Date 10/27 ,20 0 4 Signed_ Owner or Owner's Designee, Title CERTIFICATE OF INSERVICE INSPECTION I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of 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. Commissions NC 978

As Required By The Provisions Of The ASME Code Section XI

1. Owner <u>DUKE POWER COMPANY</u>	1a Date 09/03/03	Sheet 1 of 1
Address 526 S. CHURCH STREET. CHARLOTTE N.C. 28201-1006		
2. Plant CATAWBA NUCLEAR STATION	2a Unit	Shared (specify Units)
Address 4800 CONCORD RD. YORK, S.C. 29745		
3. Work Performed By <u>Duke Power Company</u>	3a Work Order # 98599619-01	
Address 526 S. Church St. Charlotte, N.C. 28201-1006		
Type 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, Cod	e Cases	
(b) Applicable Edition of Section XI Utilized for Repairs or Replacement		

	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)
Α	Plug Assembly	CCI	S/N 8	NA	For valve tag 2SV-1	1984	Replaced	No
В	Plug Assembly	CCI	S/N 7	NA	For valve tag 2SV-7/ 9/3/2	NA	Replacement	No
С	Bolting	Duke Power Co.	NA	NA	Hex Nut- SA194	NA	Replacement	No
D							-	-
E							_	-
F							_	-

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ASME	Section	XI Manua	ı

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 81/2in. 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 Repair Seat Leak to 2SV-1_
8. Test Conducted: Hydrostatic Pneumatic Nominal Operating Pressure Other Exempt Pressure psig Test Temp.
9. Remarks _ Code CasesNONE_
(Applicable Manufacturers Data Records to be attached)
CERTIFICATE OF COMPLIANCE
We certify that the statements made in the report are correct and this <u>repair or replacement</u> 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 Jacks State 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 \(\frac{1-21-23}{21-23}\) to \(\frac{9-27-23}{22-23}\) and state that to the best of my
knowledge and belief, the Owner has performed examinations and taken corrective measures described in this 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 _9 -29,20_0'3

ASME Section XI Manual

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 <u>526 S. CHURCH STREET. CHARLOTTE N.C.</u> <u>28201-1006</u> 2. Plant CATAWBA NUCLEAR STATION	2a Unit □ 1 □ 2	3 Shared (specify Units
Address 4800 CONCORD RD. YORK, S.C. 29745		15 Shared (specify Offics)
3. Work Performed By <u>Duke Power Company</u>	3a Work Order # 98605085-01	
Address 526 S. Church St. Charlotte, N.C. 28201-1006		
Type Code Symbol Stamp N/A Authorization No. N/A	3b NSM or MN # CE73281	
Expiration Date N/A		
4 Identification of System CF MAIN FEEDWATER SYSTEM	Class B	
5. (a) Applicable Construction Code III 1974 Edition, S'75 Addenda, Code		
(b) Applicable Edition of Section XI Utilized for Repairs or Replacemen	ts 1992 Addenda NONE	

	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
В	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							-	•

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→	NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 81/2in. 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 CasesN-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 <u>repair or replacement</u> 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 Jalla J State TECH SPEC Date 11/3 ,2004 Owner or Owner's Designee, Title					
ı						
	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 11-1-04 and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.					
	By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective 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.					
	Commissions NC 978					
	Inspector's Signature Date					
	Date_)1-4_,20_04					

ASME Section XI Manual

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. 28201-1006		
2. Plant CATAWBA NUCLEAR STATION	2a Unit	3 Shared (specify Units
Address 4800 CONCORD RD. YORK, S.C. 29745		
3. Work Performed By <u>Duke Power Company</u>	3a Work Order # 98605087-0	01
Address 526 S. Church St. Charlotte, N.C. 28201-1006		
Type Code Symbol Stamp N/A Authorization No. N/A	3b NSM or MN # CE73281	
Expiration Date N/A		
4 Identification of System CF MAIN FEEDWATER SYSTEM	Class B	
5. (a) Applicable Construction Code III 1974 Edition, S'75 Addenda, Code	e Cases	
(b) Applicable Edition of Section XI Utilized for Repairs or Replacement	its 1992 Addenda NONE	

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

ASME	Section	ΧI	Manual

Inspector's Signature

Date 12-9_,20_04 ___

Form NIS-2 (Back)

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 81/2in. 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 i 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 CasesN-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
Signed Alltw 2. Structure 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 ma Hill Commissions NC 978

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. 28201-1006		
2. Plant CATAWBA NUCLEAR STATION	2a Unit 🔲 1 🔀 2	3 Shared (specify Units
Address 4800 CONCORD RD. YORK, S.C. 29745		
3. Work Performed By <u>Duke Power Company</u>	3a Work Order # 9860787	9-01
Address 526 S. Church St. Charlotte, N.C. 28201-1006		
Type 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	e Cases	
(b) Applicable Edition of Section XI Utilized for Repairs or Replacemen	ts 1992 Addenda NONE	
6 Identification of Components Penaired or Penlacement 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)
Α	Valve	Kerotest	CAB21-2	24281	Valve tag 2NV-181A C12/04	1978	Replaced	Yes
В	Valve	Kerotest	DAP7-4	32104	Valve tag 2NV-181A CLS	1981	Replacement	Yes
С	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							-	-

ASME Section X	Manual
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<u> </u>	NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 81/2in. 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-181_					
	8. Test Conducted: Hydrostatic Pneumatic Nominal Operating Pressure Other Exempt Pressure 20.5 psig Test Temp. 83.8 deg.F.					
•	9. Remarks _ Code CasesN-416-2 USING SECT. III 1992 NDE					
	(Applicable Manufacturers Data Records to be attached)					
ſ	CERTIFICATE OF COMPLIANCE					
	We certify that the statements made in the report are correct and this <u>repair or replacement</u> 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 / ASS JECH SPEC Date 11/3 ,2004					
	Owner or Owner's Designee, Title					
` I						
ļ	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.					
	Commissions NC 978 Inspector Signature					
	Date 11-3_,20_04					

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. 28201-1006		
2. Plant CATAWBA NUCLEAR STATION	2a Unit 🔲 1 🔯 2	3 Shared (specify Units
Address 4800 CONCORD RD. YORK, S.C. 29745		
3. Work Performed By <u>Duke Power Company</u>	3a Work Order # 98619446-	-01
Address 526 S. Church St. Charlotte, N.C. 28201-1006		
Type Code Symbol Stamp N/A Authorization No. N/A	3b NSM or MN # NA	
Expiration Date N/A		
4 Identification of System	Class & B c+\$ 11/1404	
ND RESIDUAL HEAT REMOVAL SYSTEM	cs 11/404	
5. (a) Applicable Construction Code III 1974 Edition, S'75 Addenda, Code	e Cases	
(b) Applicable Edition of Section XI Utilized for Repairs or Replacemen	ts 1989 Addenda NONE	

	identification of Cor						T	
	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)
Α	Mechanical Seal	Dura Mettallic	K080027/6/0	NA	Residual Heat Removal Pump 2A	NA	Replaced	No
В	Mechanical Seal	Dura Metallic	K000236/7/0	NA	Residual Heat Removal Pump 2A	NA	Replacement	No
С	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							-	-

ASME Section XI Manua	ASM	E Sec	tion X	II Ma	nual
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NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 81/2in. 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_						
7. Boothpalon of Work replace value 2 mp model 2002						
8. Test Conducted: Hydrostatic Pneumatic Nominal Operating Pressure Other Exempt Pressure 240 psig Test Temp. 104 deg.F.						
9. Remarks _ Code CasesNONE_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 <u>repair or replacement</u> 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 Ault LSA TECH SPEC Date 11/16 ,20 04 Owner or Owner's Designee, Title						
<u></u>						
CERTIFICATE OF INSERVICE INSPECTION						
I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the						
State or 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.						
Inspector's Signature Commissions NC 978						
Date 11-17,20_04						

ASME Section XI Manual

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. 28201-1006	2a Unit □ 1 □2	3 Shared (specify Units
2. Plant CATAWBA NUCLEAR STATION Address 4800 CONCORD RD. YORK, S.C. 29745	2a Ollit 🔲 1 🔀2	5 Shared (specify Offits[_]
3. Work Performed By <u>Duke Power Company</u>	3a Work Order # 98621798	3-09
Address 526 S. Church St. Charlotte, N.C. 28201-1006		
Type Code Symbol Stamp N/A Authorization No. N/A	3b NSM or MN # NA	
Expiration Date N/A		
4 Identification of System CA AUXILIARY FEEDWATER SYSTEM	Class B	
5. (a) Applicable Construction Code III 1974 Edition, S'75 Addenda, Code	e Cases	
(b) Applicable Edition of Section XI Utilized for Repairs or Replacement	ts 1989 Addenda NONE	

	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)
Α	Plug Assembly	Fisher	6755383	NA	Valve 2CA-64	NA	Replaced	No
В	Plug Assembly	Fisher	6755389	NA	Valve 2CA-64	NA	Replacement	No
С							-	**
D	_						-	
E							-	-
F							-	-

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

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 81/2in. x 11 in. (2)

recorded at the top of this form.
7. Description of Work Rebuild Valve 2CA-64_
8. Test Conducted: Hydrostatic Pneumatic Nominal Operating Pressure Other Exempt Pressure psig Test Temp.
9. Remarks _ Code CasesNONE_
(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
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 Muliu Commissions NC 978 Inspector's Signature

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 <u>526 S. CHURCH STREET. CHARLOTTE N.C.</u> <u>28201-1006</u> 2. Plant CATAWBA NUCLEAR STATION	2a Unit □ 1 ⊠2	3 Shared (specify Units)
Address 4800 CONCORD RD. YORK, S.C. 29745		
3. Work Performed By <u>Duke Power Company</u>	3a Work Order # 98621805-	-09
Address 526 S. Church St. Charlotte, N.C. 28201-1006		
Type Code Symbol Stamp N/A Authorization No. N/A	3b NSM or MN # NA	
Expiration Date N/A		
4 Identification of System CA AUXILIARY FEEDWATER SYSTEM	Class B	
5. (a) Applicable Construction Code III 1974 Edition, S'75 Addenda, Code	e Cases	
(b) Applicable Edition of Section XI Utilized for Repairs or Replacement	its 1989 Addenda NONE	

	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
В	Plug Assembly	Fisher	6755388	NA	Valve 2CA-44	NA	Replacement	No
C							-	-
D							-	-
E					·		-	-
F							-	-

Section E Exibit A

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 81/2in. 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-44_
8. Test Conducted: Hydrostatic Pneumatic Nominal Operating Pressure Other Exempt Pressure psig Test Temp.
9. Remarks _ Code CasesNONE_
(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
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 Mill Commissions NC 978 Inspector's Signature
Date 10-21,20_04

As Required By The Provisions Of The ASME Code Section XI

	Address 526 S. Church St. Charlotte, N.C. 28201-1006						
	Type Code Symbol Stamp N/A Authorization No. N/A	3b NSM	or MN	# NA			
]	Expiration Date <u>N/A</u>						
4 I	dentification of System CA AUXILIARY FEEDWATER S'	YSTEM Class B					
	a) Applicable Construction Code III 1974 Edition, S'75 Add						
	b) Applicable Edition of Section XI Utilized for Repairs or R		denda Ni	ONE			
			uciida 14	OIAE			
Ο	dentification of Components Repaired or Replacement Comp	ponents					
- 1	Column 1 Column 2 Column 2 Column	Co	1 5		Calumn	C-1 7	Calumn

	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)
Α	Plug Assembly	Fisher	6755388	NA	Valve 2CA-40	NA	Replaced	No
В	Plug Assembly	Fisher	6755391	NA	Valve 2CA-40	NA	Replacement	No
С							-	-
D							-	-
E							-	_
F							-	-

Date 10-21__,20_04

Form NIS-2 (Back)

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 81/2in. x 11 in. (2)

Section E Exibit A

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-40_ Pneumatic Nominal Operating Pressure Other Exempt 8. Test Conducted: Hydrostatic Pressure Test Temp. psig 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 TECH SPEC Date 10/20 ,20 04 Signed_ 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. _____ Commissions ___NC 978____

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. 28201-1006						
2. Plant CATAWBA NUCLEAR STATION	2a Unit 🔲 1 🔀 2 🗀	3 Shared (specify Units)				
Address 4800 CONCORD RD. YORK, S.C. 29745						
3. Work Performed By <u>Duke Power Company</u>	3a Work Order # 98621868-0	1				
Address 526 S. Church St. Charlotte, N.C. 28201-1006						
Type Code Symbol Stamp N/A Authorization No. N/A	3b NSM or MN # CNCE-7309	94				
Expiration Date N/A						
4 Identification of System SM MAIN STEAM SYSTEM	Class B					
5. (a) Applicable Construction Code III 1974 Edition, S'75 Addenda, Code	e Cases					
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1989 Addenda NONE						

	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
В	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							-	-

Date_11-3__,20_04__

Form NIS-2 (Back)

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 81/2in. 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 2SM105_
8. Test Conducted: Hydrostatic Pneumatic Nominal Operating Pressure Other Exempt Pressure 937 psig Test Temp. 536 deg.F.
Pressure 937 psig Test Temp. 536 deg.F. Remarks _ Code CasesN-416-2 USING SECT. III 1992 NDE
(Applicable Manufacturers Data Records to be attached)
conducted: Hydrostatic Pneumatic Nominal Operating Pressure Other Exempt Conducted: Hydrostatic Pneumatic Nominal Operating Pressure Other Exempt Pressure 937 psig Test Temp. 536 deg.F. arks Code Cases N-416-2 USING SECT. III 1992 NDE CAPPlicable Manufacturers Data Records to be attached) CERTIFICATE OF COMPLIANCE
Type Code Symbol Stamp N/A Expiration Date N/A
Certificate of Authorization No. N/A
Signed / Signed TECH SPEC Date 11/2/ ,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 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.
Inspector's Signature Commissions NC 978

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. 28201-1006				
2. Plant CATAWBA NUCLEAR STATION	2a Unit	B Shared (specify Units)		
Address 4800 CONCORD RD. YORK, S.C. 29745				
3. Work Performed By <u>Duke Power Company</u>	3a Work Order # 98626361-05			
Address 526 S. Church St. Charlotte, N.C. 28201-1006				
Type Code Symbol Stamp N/A Authorization No. N/A	3b NSM or MN # CE-62112			
Expiration Date N/A				
4 Identification of System NF- Ice Condenser Refrigeration Sys	Class B			
5. (a) Applicable Construction Code III 1974 Edition, S'75 Addenda, Code	e Cases			
(b) Applicable Edition of Section XI Utilized for Repairs or Replacemen	its 1989 Addenda NONE			
2 T				

	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
В							-	-
C							-	-
D							-	_
E							-	-
F							-	-

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

7. Description of work Rebuild valve 2141-22	0A_						
· —	ic Nominal Operating Pressure deg.F.	Other Exempt 🛛					
9. Remarks _ Code CasesNONE_							
- (A	pplicable 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	Expirat	ion Date <u>N/A</u>					
Certificate of Authorization No. N/A Signed Owner or Owner's Designee, Title	<u>TECH SPEC</u> Date 12/14 ,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 10-6 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 model	_ Commissions _	NC 978
Inspector's Signature		
Date 12-14_,2004		

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. 28201-1006 2. Plant CATAWBA NUCLEAR STATION Address 4800 CONCORD RD. YORK, S.C. 29745	2a Unit 🔲 1 🔀 2	3 Shared (specify Units)
3. Work Performed By <u>Duke Power Company</u>	3a Work Order # 98626362-	-05
Address <u>526 S. Church St. Charlotte, N.C. 28201-1006</u> Type Code Symbol Stamp <u>N/A</u> Authorization No. <u>N/A</u>	3b NSM or MN # CE-62112	:
Expiration Date N/A 4 Identification of System NF- Ice Condenser Refrigeration Sys	Class B	
5. (a) Applicable Construction Code III 1974 Edition, S'75 Addenda, Cod (b) Applicable Edition of Section XI Utilized for Repairs or Replacement		
C. I. C.	15 1505 110001100 11011L	

	Column 1	Column 2	Column 3	Column	Column 5	Column	Column 7	Column
_	NT C	\ \\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	7.6	4		6		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)
Α	Bolting	Duke Power Co.	NA	NA	Threaded Rod- SA193 Hex Nuts-SA194 Bonnet Bolt for 2NF-234A	NA	Replacement	No
В							-	-
С							-	<u>-</u>
D							-	_
E							-	-
F							-	-

,2004

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 81/2in. 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 Pneumatic Nominal Operating Pressure Other Exempt Pressure Test Temp. 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 TECH SPEC Date /2/14 ,20 0 4 Signed 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 12-14-04 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. Commissions NC 978

1. Owner <u>DUKE POWER COMPANY</u>	1a Date 10/27/04	Sheet 1 of 1
Address 526 S. CHURCH STREET. CHARLOTTE N.C. 28201-1006 2. Plant CATAWBA NUCLEAR STATION 4000 CONCORD DD. WORK S. C. 20745	2a Unit	Shared (specify Units
Address 4800 CONCORD RD. YORK, S.C. 29745 3. Work Performed By <u>Duke Power Company</u> Address 506 S. Charles N.C. 28201 1006	3a Work Order # 98631591-01	
Address <u>526 S. Church St. Charlotte, N.C. 28201-1006</u> Type Code Symbol Stamp <u>N/A</u> Authorization No. <u>N/A</u>	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	e Cases	
(b) Applicable Edition of Section XI Utilized for Repairs or Replacement		

	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)
Α	Pipe	Duke Power Co.	C-2BB	155	2" Pipe- SA376	NA	Replacement	No
В	Pipe Welds	Duke Power Co.	C-2BB	155	Weld #2BB61-21 2BB61-23	NA	Replacement	No
С							-	-
D							-	-
E							-	-
F							-	-

Date 1 4_,20_04 __

Form NIS-2 (Back)

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 81/2in. x 11 in. (2)

Section E Exibit A

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 TECH SPEC Date 10/27 ,2004 Signed _ Owner or Owner's Designee, Title CERTIFICATE OF INSERVICE INSPECTION I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of 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. Commissions __ NC 978_____

As Required By The Provisions Of The ASME Code Section XI

1. Owner DUKE POWER COMPANY	la Date 10/5/04	Sheet 1 of 1
Address 526 S. CHURCH STREET, CHARLOTTE N.C. 28201-1006 2. Plant CATAWBA NUCLEAR STATION	2a Unit 🔲 1 🖂 2	3 Shared (specify Units)
Address 4800 CONCORD RD. YORK, S.C. 29745 3. Work Performed By <u>Duke Power Company</u>	3a Work Order # 98639181-03	.
Address <u>526 S. Church St. Charlotte</u> , N.C. <u>28201-1006</u> Type Code Symbol Stamp <u>N/A</u> Authorization No. <u>N/A</u>	3b NSM or MN # NA	
Expiration Date N/A		
4 Identification of System NC REACTOR COOLANT SYSTEM	Class B	
5. (a) Applicable Construction Code III 1974 Edition, S'75 Addenda, Cod		
(b) Applicable Edition of Section XI Utilized for Repairs or Replacement	nts 1989 Addenda NONE	
6 Identification of Components Repaired or Replacement Components		

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

ASM	F Sect	ion XI	Manual
V Diat	,_,	10/11	MINIMA

Form NIS-2 (Back)

Section E Exibit A

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 81/2in. 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 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 CasesNONE_
(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 Authorization No. N/A TECH SPEC Date 10/5 ,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 9.25-94 to 10-6-09 and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this 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. Commissions NC 978 Inspector's Signature
Date 10 · 6_ ,20 D4

Section E Exhibit A

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

1. Owner DUKE POWER COMPANY	1a Date	10/19/04	Ļ			Sheet	1 of 1	
Address 526 S. CHURCH STREET. CHARLOTTE N	.C. 28201-1006							
2. Plant CATAWBA NUCLEAR STATION		2a Unit	□ 1	\boxtimes 2	☐ 3	☐ Sha	red (specify U	nits 🔲 🕺
Address 4800 CONCORD RD. YORK, S.C. 29745								
3. Work Performed By <u>Duke Power Company</u>		3a Work	Order#	9863918	1-05			
Address 526 S. Church St. Charlotte, N.C. 28201-10	<u>006</u>							
Type Code Symbol Stamp N/A Authorization No. N	<u>/A</u>	3b NSM	or MN#	NA				
Expiration Date N/A								
4 Identification of System NC REACTOR COOLAN	T SYSTEM	Class A						
5. (a) Applicable Construction Code III 1974 Edition,	S'75 Addenda, Co	ode Cases						
(b) Applicable Edition of Section XI Utilized for Rep	pairs or Replacem	ents 1989 Add	lenda NC	NE				
6. Identification of Components Repaired or Replacem	ent Components							
Column 1 Column 2 Column 3	Column	Col	umn 5			Column	Column 7	Column

	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
В	Snubber	Lisega	04616316/10	NA	2-R-NC-1680	NA	Replacement	Yes
С							-	-
D							-	-
Е							-	-
F							-	-

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 81/2in. 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.
9. Remarks _ Code CasesNONE
(Applicable Manufacturers Data Records to be attached)
CERTIFICATE OF COMPLIANCE
We certify that the statements made in the report are correct and this <u>repair or replacement</u> 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 / ALD 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 2.2.04 to 10.2004 and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this 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 Mc Commissions NC 978 Inspector's Signature
Date 10-20_,20_04

1. Owner DUKE POWER COMPANY	la Date 10/5/04	Sheet 1 of 1
Address 526 S. CHURCH STREET. CHARLOTTE N.C. 28201-1006		
2. Plane CATAWBA NUCLEAR STATION	2a Unit	3 Shared (specify Units
Address 4800 CONCORD RD. YORK, S.C. 29745		
3. Work Performed By <u>Duke Power Company</u>	3a Work Order # 98639181-12	
Address 526 S. Church St. Charlotte, N.C. 28201-1006		
Type 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, Cod	e Cases	
(b) Applicable Edition of Section XI Utilized for Repairs or Replacement		

6.	Identification of C	omponents Repai	red or Replacen	ent Compo	nents			
	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
В	Snubber	PSAI	41726	NA	2-R-NV-1905	2000	Replaced	Yes
С							-	•
D							-	-
E							-	-
F							-	-

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A > M		264.10HH		IVI:	111111111

Form NIS-2 (Back)

Section E Exibit A

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 81/2in. 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 Snubber 2-R-NV-1905 for Testing_
8. Test Conducted: Hydrostatic Pneumatic Nominal Operating Pressure Other Exempt Pressure psig Test Temp.
9. Remarks _ Code CasesNONE_
(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 10/5
<u> </u>
CERTIFICATE OF INSERVICE INSPECTION
I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the
State or Province of NORTH CAROLINA and employed by HSB 1 AND 1 Company of Connecticut have inspected the components described in this Owners Report during the period \(\frac{22-04}{22-04} \) to \(\frac{10^{\circ}}{5^{\circ}} \frac{5}{64} \) and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.
By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective 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 10-6_,20_0A

1. Owner DUKE POWER COMPANY	1a Date 12/8/04	Sheet 1 of 1
Address <u>526 S. CHURCH STREET. CHARLOTTE N.C.</u> <u>28201-1006</u> 2. Plant CATAWBA NUCLEAR STATION	2a Unit 🛛 1 🔲 2	3 Shared (specify Units
Address 4800 CONCORD RD. YORK, S.C. 29745 3. Work Performed By <u>Duke Power Company</u>	3a Work Order # 9863969	95 <u>-</u> 02 03
Address 526 S. Church St. Charlotte, N.C. 28201-1006		75 02,05
Type Code Symbol Stamp N/A Authorization No. N/A Expiration Date N/A	3b NSM or MN # NA	
4 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 Replacement	s 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)
Α	VALVE	DRESSER	BS-02872		2NC-2	1979	Replaced	Yes
В	VALVE	DRESSER	BS-02868		2NC-2	1979	Replacement	Yes
C							-	-
D							-	-
E							-	-
F							-	-

Date 12-9_,20_04 __

/	NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 81/2in. 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 CasesNONE
	(Applicable Manufacturers Data Records to be attached)
	CERTIFICATE OF COMPLIANCE
	We certify that the statements made in the report are correct and this <u>repair or replacement</u> 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 ,20 64 Owner or Owner's Designee, Title
. •	
	CERTIFICATE OF INSERVICE INSPECTION
ı	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.
	Commissions NC 978
- 1	Inspector's Signature

1 . DIVE DOWED COMPANY	10 Data 11/17/04	Ch 4	- c
1. Owner DUKE POWER COMPANY	1a Date 11/17/04	Sheet	of
Address 526 S. CHURCH STREET. CHARLOTTE N.C. 28201-1006			
2. Plant CATAWBA NUCLEAR STATION	2a Unit 🔲 1 🔀 2 🔲 3	Shared (specif	fy Units 🔲)
Address 4800 CONCORD RD. YORK, S.C. 29745	<u> </u>		
3. Work Performed By <u>Duke Power Company</u>	3a Work Order # 98639695-04		
Address 526 S. Church St. Charlotte, N.C. 28201-1006			
Type Code Symbol Stamp N/A Authorization No. N/A	3b NSM or MN # NA		
Expiration Date <u>N/A</u>			
4 Identification of System NC REACTOR COOLANT SYSTEM	Class A	•	
5. (a) Applicable Construction Code III 1974 Edition, S'75 Addenda, Co	ode Cases		
(b) Applicable Edition of Section XI Utilized for Repairs or Replacem	nents 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	
В							-	•
С							-	-
D							-	-
Е							-	-
F							-	_

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 81/2in. 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 Restore Hanger 2-R-NC-1691_
8. Test Conducted: Hydrostatic Pneumatic Nominal Operating Pressure Other Exempt Pressure psig Test Temp.
9. Remarks _ Code CasesNONE_
(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
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 1-18-04 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.
Inspector's Signature Commissions NC 978
Date_11-18,20_0 4

1. Owner <u>DUKE POWER COMPANY</u>	la Date 12/14/04	Sheet 1 of 1
Address 526 S. CHURCH STREET. CHARLOTTE N.C. 28201-1006		
2. Plant CATAWBA NUCLEAR STATION	2a Unit	3 Shared (specify Units)
Address 4800 CONCORD RD. YORK, S.C. 29745		
3. Work Performed By <u>Duke Power Company</u>	3a Work Order # 98639721-0	01
Address 526 S. Church St. Charlotte, N.C. 28201-1006		r
Type Code Symbol Stamp N/A Authorization No. N/A	3b NSM or MN # NA	1
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 Replacemen		
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)
Α	Valve	Dresser	TD89405	423	2ND-03	1978	Replaced	Yes
В	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 81/2in. 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 CasesNONE
(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 Authorization No. N/A 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 12.04 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.
Inspector's Signature Date 12-14_,20_04
Date _ C 1,20_U4

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 <u>526 S. CHURCH STREET, CHARLOTTE N.C.</u> <u>28201-1006</u> 2. Plant CATAWBA NUCLEAR STATION	2a Unit	3 Shared (specify Units)
Address 4800 CONCORD RD. YORK, S.C. 29745		
3. Work Performed By <u>Duke Power Company</u>	3a Work Order # 98639722-	01
Address 526 S. Church St. Charlotte, N.C. 28201-1006		•
Type 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	e Cases	
(b) Applicable Edition of Section XI Utilized for Repairs or Replacement	ts 1989 Addenda NONE	
6 Identification of Commonants Densind on Donlarsment Commonants		

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
В	Valve	Dresser	TG80194	189	2ND-031	1986	Replacement	Yes
С							-	-
D							-	-
E							-	-
F							-	-

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 81/2in. 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 CasesNONE_
(Applicable Manufacturers Data Records to be attached)
CERTIFICATE OF COMPLIANCE
We certify that the statements made in the report are correct and this <u>repair or replacement</u> 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 All TECH SPEC Date 12/7 ,20 0 4 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 12.7 of and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this 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. Commissions NC 978 Inspector's Signature
Date 12-7_,20_04

Section E Exhibit A

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

1. Owner DUKE POWER COMPANY	1a Date 12/07/04	Sheet 1 of 1
Address 526 S. CHURCH STREET. CHARLOTTE N.C. 28201-1006		
2. Plant CATAWBA NUCLEAR STATION	2a Unit 🔲 1 🔀 2	☐ 3 ☐ Shared (specify Units☐)
Address 4800 CONCORD RD. YORK, S.C. 29745		
3. Work Performed By <u>Duke Power Company</u>	3a Work Order # 98639723-	01
Address 526 S. Church St. Charlotte, N.C. 28201-1006		
Type 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 Replacemen	ts 1989 Addenda NONE	
6. Identification of Components Repaired or Replacement Components		

i	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
В	Valve	Dresser	TD89392	468	2ND-035	1978	Replacement	Yes
С							-	-
D							-	-
E							-	-
F							-	-

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 81/2in. 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-035_
8. Test Conducted: Hydrostatic Pneumatic Nominal Operating Pressure Other Exempt Pressure 540 psig Test Temp. 174 deg.F.
9. Remarks _ Code CasesNONE_
(Applicable Manufacturers Data Records to be attached)
CERTIFICATE OF COMPLIANCE
We certify that the statements made in the report are correct and this <u>repair or replacement</u> 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 / Auto / TECH SPEC Date /Z/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 12.004 and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this 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 12-7_,20_04

Section E Exhibit A

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. 28201-1006		
2. Plant CATAWBA NUCLEAR STATION	2a Unit ⊠ 1	3 Shared (specify Units)
Address 4800 CONCORD RD. YORK, S.C. 29745		
3. Work Performed By <u>Duke Power Company</u>	3a Work Order # 98639724-0	01
Address 526 S. Church St. Charlotte, N.C. 28201-1006		
Type 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	e Cases	
(b) Applicable Edition of Section XI Utilized for Repairs or Replacemen		
6 Identification of Components Renaired or Replacement Components		

o. 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)
Α	VALVE	DRESSER	TD89406	411	2ND-38	1978	Replaced	Yes
В	VALVE	DRESSER	TG80193	1902	2ND-38	1986	Replacement	Yes
С							-	-
D							-	-
E							_	-
F							-	-

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 81/2in. 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 330 psig Test Temp. 160 deg.F.
9. Remarks _ Code CasesNONE_
(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
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

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. 28201-1006		
2. Plant CATAWBA NUCLEAR STATION	2a Unit ☐ 1 🔀2 [3 Shared (specify Units)
Address 4800 CONCORD RD. YORK, S.C. 29745		
3. Work Performed By <u>Duke Power Company</u>	3a Work Order # 98639725-0	01
Address 526 S. Church St. Charlotte, N.C. 28201-1006		
Type 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, Cod	e Cases	
(b) Applicable Edition of Section XI Utilized for Repairs or Replacement	nts 1989 Addenda NONE	

6. Identification of Components Repaired or Replacement Components

	Column 1	Column 2	Column 3	Column	Column 5	Column	Column 7	Column
		<u> </u>		4		6		8
	Name of Component	Name of Manufacturer	í .	N B Number	Other Identification (Size)	Year Built	Repaired. Replaced. or Replacement	ASME Code Stamped
ļ	·		Number				Replacement	(yes or no)
A	Valve	Dresser	TG33991	1859	2ND-064	1984	Replaced	Yes
В	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 81/2in. 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-064_
8. Test Conducted: Hydrostatic Pneumatic Nominal Operating Pressure Other Exempt Pressure 498 psig Test Temp. 172 deg.F.
9. Remarks _ Code CasesNONE
(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 / Auto Strate TECH SPEC Date /Z/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.
inspection.
Lower Signature Commissions NC 978
Inspector's Signature Date 12-7_,20_04

1. Owner DUKE POWER COMPANY	1a Date 10/14/04	Sheet 1 of 1
Address 526 S. CHURCH STREET. CHARLOTTE N.C. 28201-1006		
2. Plant CATAWBA NUCLEAR STATION	2a Unit ☐ 1 🖂2	3 Shared (specify Units
Address 4800 CONCORD RD. YORK, S.C. 29745		
3. Work Performed By <u>Duke Power Company</u>	3a Work Order # 98639915-	01
Address 526 S. Church St. Charlotte, N.C. 28201-1006		
Type 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, Cod	e Cases	
(b) Applicable Edition of Section XI Utilized for Repairs or Replacement		
6 Identification of Components Renaired or Replacement Components		.1

	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
В	Valve	Dresser	TG80198	1914	Valve tag 2NV-223	1986	Replacement	Yes
С							-	-
D							-	-
E							-	-
F							-	-

ASN	ΛF	Section	ΧI	Man	nal
יוטר	1111	JULUIT	771	TATOR	uaı

Date 10-21_,20_04

Form NIS-2 (Back)

Section E Exibit A

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 81/2in. 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-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 TECH SPEC Date 10/14 ,20 04 Signed Owner or Owner's Designee, Title CERTIFICATE OF INSERVICE INSPECTION I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of NORTH CAROLINA and employed by HSB I AND I Company of Connecticut have inspected the components described in this Owners Report during the period 9-28-09 to 10-21-09 and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this 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. ____ Commissions ___ NC 978___

As Required By The Provisions Of The ASME Code Section XI

l l		
1. Owner DUKE POWER COMPANY	1a Date 10/13/04	Sheet 1 of 1
Address 526 S. CHURCH STREET, CHARLOTTE N.C. 28201-1006		
2. Plant CATAWBA NUCLEAR STATION	2a Unit	☐ Shared (specify Units☐
Address 4800 CONCORD RD. YORK, S.C. 29745	_	
3. Work Performed By <u>Duke Power Company</u>	3a Work Order # 98639916-01	
Address 526 S. Church St. Charlotte, N.C. 28201-1006		
Type 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, Cod	e Cases	
(b) Applicable Edition of Section XI Utilized for Repairs or Replacement		
•		

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
В	Valve	Dresser	TD89396	1978	Valve tag 2NV-273	1978	Replacement	Yes
С							-	-
D				_			-	-
E							-	-
F							-	-

Date_10-22__,20_04 ___

Form NIS-2 (Back)

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 81/2in. x 11 in. (2)

Section E Exibit A

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-273_
8. Test Conducted: Hydrostatic Pneumatic Nominal Operating Pressure Other Exempt Pressure 207 psig Test Temp. 86.6 deg.F.
9. Remarks _ Code CasesNONE_
(Applicable Manufacturers Data Records to be attached)
CERTIFICATE OF COMPLIANCE
We certify that the statements made in the report are correct and this <u>repair or replacement</u> 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
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 10-22-09 and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this 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 Mediu Commissions NC 978 Inspector's Signature

1. Owner DUKE POWER COMPANY	1a Date 10/28/04	Sheet 1 of 1
Address 526 S. CHURCH STREET. CHARLOTTE N.C. 28201-1006		
2. Plant CATAWBA NUCLEAR STATION	2a Unit 🔲 1 🔀 2	3 Shared (specify Units)
Address 4800 CONCORD RD. YORK, S.C. 29745		
3. Work Performed By <u>Duke Power Company</u>	3a Work Order # 98639930	0-10
Address 526 S. Church St. Charlotte, N.C. 28201-1006		
Type Code Symbol Stamp N/A Authorization No. N/A	3b NSM or MN # NA	
Expiration Date N/A		
4 Identification of System SM MAIN STEAM SYSTEM	Class B	;
5. (a) Applicable Construction Code III 1974 Edition, S'75 Addenda, Co	ode Cases	:
(b) Applicable Edition of Section XI Utilized for Repairs or Replacem	ents 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)
Α	Bolt	Westinghous e	NA	NA	Bolt- SA193 for Steam Generator "2B" Manway Cover FM-B, AC-B	NA	Replacement	No
В							-	-
C							-	•
D							-	-
E							-	-
F							-	-

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 81/2in. 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.
9. Remarks _ Code CasesNONE_
(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
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. Commissions NC 978
Inspector's Signature Date 1 3_,20_04
1

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. 28201-1006		
2. Plant CATAWBA NUCLEAR STATION	2a Unit	3 Shared (specify Units)
Address 4800 CONCORD RD. YORK, S.C. 29745		
3. Work Performed By <u>Duke Power Company</u>	3a Work Order # 98639958-0	1
Address 526 S. Church St. Charlotte, N.C. 28201-1006		
Type Code Symbol Stamp N/A Authorization No. N/A	3b NSM or MN # NA	
Expiration Date N/A		
4 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 Replacement	s 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	Manufactur er 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
В	Manway Cover	Westinghouse	NA	NA	Steam Generator "2D" Secondary Manway Cover	NA	Replacement	No
С							-	-
D							-	•
Е							-	-
F							-	-

Revision 6

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Form NIS-2 (Back)

Section E Exibit A

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 81/2in. 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 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 CasesNONE_
(Applicable Manufacturers Data Records to be attached)
CERTIFICATE OF COMPLIANCE
We certify that the statements made in the report are correct and this <u>repair or replacement</u> 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 Allo State TECH SPEC Date 10/28, 20 04 Owner or Owner's Designee, Title
<u></u>
CERTIFICATE OF INSERVICE INSPECTION
I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the
State or 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.
nuspection:
Inspector's Signature Commissions NC 978
Date 11-3,20_04

1. Owner DUKE POWER COMPANY	1a Date 10/4/04	Sheet 1 of 1
Address 526 S. CHURCH STREET. CHARLOTTE N.C. 28201-1006		
2. Plant CATAWBA NUCLEAR STATION	2a Unit 🔲 1 🔀 2	3 Shared (specify Units)
Address 4800 CONCORD RD. YORK, S.C. 29745		
3. Work Performed By <u>Duke Power Company</u>	3a Work Order # 9864000	08-01
Address 526 S. Church St. Charlotte, N.C. 28201-1006		; 1
Type Code Symbol Stamp N/A Authorization No. N/A	3b NSM or MN # NA	
Expiration Date N/A		1
4 Identification of System	Class B	!
SV MAIN STEAM VENT TO ATMOSPHERE		
5. (a) Applicable Construction Code III 1974 Edition, S'75 Addenda, Cod	le Cases	;
(b) Applicable Edition of Section XI Utilized for Repairs or Replacement	nts 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)
Α	Valve Disc	Dresser	AAL-55	NA	Valve tag 2SV-009	NA	Replaced	No
В	Valve Disc	Dresser	ADF-08	NA	Valve tag 2SV-009	NA	Replacement	No
С							-	**
D							-	-
E							-	-
F							-	

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 81/2in. 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-009_
8. Test Conducted: Hydrostatic Pneumatic Nominal Operating Pressure Other Exempt Pressure psig Test Temp.
9. Remarks _ Code CasesNONE_
(Applicable Manufacturers Data Records to be attached)
CERTIFICATE OF COMPLIANCE
We certify that the statements made in the report are correct and this <u>repair or replacement</u> 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
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 and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this 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 10.8,2004

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. 28201-1006		
2. Plant CATAWBA NUCLEAR STATION	2a Unit ☐ 1 🔀2 📗	3 Shared (specify Units)
Address 4800 CONCORD RD. YORK, S.C. 29745		
3. Work Performed By <u>Duke Power Company</u>	3a Work Order # 98640009-0	1
Address 526 S. Church St. Charlotte, N.C. 28201-1006		
Type 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 Replacemen	ts 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)
Α	Valve Disc	Dresser	AAH-93	NA	Valve tag 2SV-012	NA	Replaced	No
В	Valve Disc	Dresser	ADF-06	NA	Valve tag 2SV-012	NA	Replacement	No
C							-	-
D							-	-
E							-	-
F							-	-

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Form NIS-2 (Back)

Section E Exibit A

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 81/2in. 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-012_
8. Test Conducted: Hydrostatic Pneumatic Nominal Operating Pressure Other Exempt Pressure psig Test Temp. deg.F.
9. Remarks _ Code CasesNONE_
(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 10/4,2004 Owner or Owner's Designee, Title

r—————————————————————————————————————
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.
Rolett media Commissions NC 978 Inspector's Signature
Date 10-8_,20_04

As Required By The Provisions Of The ASME Code Section XI

1. Owner DUKE POWER COMPANY	1a Date 9/30/04	ī	Sheet 1 of 1
Address 526 S. CHURCH STREET. CHARLOTTE N.C. 28201-1006			
2. Plant CATAWBA NUCLEAR STATION	2a Unit 🔲 1 🔀 2	□ 3	Shared (specify Units
Address 4800 CONCORD RD. YORK, S.C. 29745			_ ` ` • _ ·
3. Work Performed By <u>Duke Power Company</u>	3a Work Order # 986400	10-01	
Address 526 S. Church St. Charlotte, N.C. 28201-1006			
Type 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, Cod	e Cases		
(b) Applicable Edition of Section XI Utilized for Repairs or Replacement			
C. Identification of Commonate Descind on Berlinson Commonate			

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
В	Disc	Dresser	ADF-04	NA	Valve tag 2SV-14	NA	Replacement	No
C							-	•
D							-	
E							-	-
F							-	

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Form NIS-2 (Back)

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 81/2in. x 11 in. (2)

Section E Exibit A

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 Pneumatic Nominal Operating Pressure Other | Exempt | Test Temp. Pressure 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/ TECH SPEC Date 9/30 ,20 0 4 Signed 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 1,20-04 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 Commissions __ NC 978__ Date 10-4_,20_04 ___

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. 28201-1006		
2. Plant CATAWBA NUCLEAR STATION	2a Unit 🔲 1 🔀 2	3 Shared (specify Units)
Address 4800 CONCORD RD. YORK, S.C. 29745		
3. Work Performed By <u>Duke Power Company</u>	3a Work Order # 98640011	-01
Address 526 S. Church St. Charlotte, N.C. 28201-1006		
Type 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	e Cases	
(b) Applicable Edition of Section XI Utilized for Repairs or Replacement	its 1989 Addenda NONE	
6 Identification of Components Renaired 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)
Α	Valve Disc	Dresser	AAH-47	NA	Valve tag 2SV-015	NA	Replaced	No
В	Valve Disc	Dresser	ADF-05	NA	Valve tag 2SV-015	NA	Replacement	No
C							-	-
D							-	-
E							-	-
F							-	-

Form NIS-2 (Back)

Section E Exibit A

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 81/2in. 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.
9. Remarks _ Code CasesNONE
(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
We certify that the statements made in the report are correct and this <u>repair or replacement</u> 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
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.
inspection. Commissions NC 978
Inspector's Signature
Date 10 - 8_,20_0 A

As Required By The Provisions Of The ASME Code Section XI

		1	
1. Owner DUKE POWER COMPANY	1a Date 10/4/04	d T	Sheet 1 of 1
Address 526 S. CHURCH STREET. CHARLOTTE N.C. 28201-1006		. } k	
2. Plant CATAWBA NUCLEAR STATION	2a Unit 🔲 1 🔀 2	□ 3 □	Shared (specify Units)
Address 4800 CONCORD RD. YORK, S.C. 29745			
3. Work Performed By <u>Duke Power Company</u>	3a Work Order # 986400	12-01	
Address 526 S. Church St. Charlotte, N.C. 28201-1006			
Type 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, Cod	e Cases		
(b) Applicable Edition of Section XI Utilized for Repairs or Replacement	nts 1989 Addenda NONE		
6 Identification of Components Dengined or Denlacement Components			

<u>ټ</u>	Column 1	Column 2	Column 3	Column	Column 5	Column	Column 7	Column
	Column	Column 2	Column 5	4	Column 5	6	Column /	8
	Name of	Name of	Manufacturer	N B	Other Identification (Size)	Year	Repaired.	ASME
	Component	Manufacturer	Serial Number	Number		Built	Replaced. or Replacement	Code Stamped (yes or no)
Α	Valve Disc	Dresser	AAH-38	NA	Valve tag 2SV-017	NA	Replaced	No
В	Valve Disc	Dresser	ADF-07	NA	Valve tag 2SV-017	NA	Replacement	No
C							-	_
D							-	-
E							-	-
F							-	-

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Form NIS-2 (Back)

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 81/2in. x 11 in. (2)

Section E Exibit A

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 Pneumatic Nominal Operating Pressure Other Exempt Pressure Test Temp. 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 TECH SPEC Date 10/4 ,20 04 Signed 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 \(\frac{12-20-04}{20-04} \) to \(\frac{10-8-04}{20-04} \) 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. Commissions NC 978 Date 10-8_,20_0 4 __

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. 28201-1006	0 II :	
2. Plant CATAWBA NUCLEAR STATION	2a Unit 🔀 1 🔲 2	3 Shared (specify Units
Address 4800 CONCORD RD. YORK, S.C. 29745		
3. Work Performed By <u>Duke Power Company</u>	3a Work Order # 98640781	-01
Address 526 S. Church St. Charlotte, N.C. 28201-1006		
Type 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 Replacement	ts 1989 Addenda NONE	

	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
В	VALVE	DRESSER	TD89401		2NV-87	1978	Replacement	Yes
С	BOLTING	NA	NA	NA	Rod, threaded, 5/8" SA 193, Gr B7	NA	New	No
D							-	*
E							-	-
F							-	-

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Date 12-9_,20_04 __

Form NIS-2 (Back)

Section E Exibit A

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 81/2in. 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 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 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 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. Commissions NC 978

As Required By The Provisions Of The ASME Code Section XI

1. Owner DUKE POWER COMPANY	1a Date 12/15/04	Sheet 1 of $\sqrt{2}$
Address 526 S. CHURCH STREET. CHARLOTTE N.C. 28201-1006	2. II	
2. Plant CATAWBA NUCLEAR STATION Address 4800 CONCORD RD. YORK, S.C. 29745		3 Shared (specify Units)
3. Work Performed By <u>Duke Power Company</u>	3a Work Order # 98641315-20	
Address 526 S. Church St. Charlotte, N.C. 28201-1006		
Type Code Symbol Stamp N/A Authorization No. N/A	3b NSM or MN # 21446/001	
Expiration Date N/A		
4 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 Replacement	ts 1992 Addenda NONE	

	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,*"FlgSA182,2"X1" Red. SA182,2"Cplg-SA182,10X4 Red	NA	New	No
В					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							-	-

Section E Exhibit A

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. 28201-1006 2. Plant CATAWBA NUCLEAR STATION Address 4800 CONCORD RD. YORK, S.C. 29745	2a Unit 1 2 3	Shared (specify Units
3. Work Performed By <u>Duke Power Company</u> Address 526 S. Church St. Charlotte, N.C. 28201-1006	3a Work Order # 98641315-20	
Type Code Symbol Stamp N/A Authorization No. N/A Expiration Date N/A	3b NSM or MN # 21446/01	
4 Identification of System NS CONTAINMENT SPRAY SYSTEM	Class B	
5. (a) Applicable Construction Code III 1974 Edition, S'75 Addenda, Code (b) Applicable Edition of Section XI Utilized for Repairs or Replacement		
6 Identification of Components Densired or Denlacement 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
В	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							-	-

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

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 81/2in. x 11 in. (2)

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 CasesN-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
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 12-29-64 and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI. By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective 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 12-29_,20_04

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. 28201-1006		
2. Plant CATAWBA NUCLEAR STATION	2a Unit 🔲 1 🔀 2	3 Shared (specify Units)
Address 4800 CONCORD RD. YORK, S.C. 29745		
3. Work Performed By <u>Duke Power Company</u>	3a Work Order # 98641315	-28
Address 526 S. Church St. Charlotte, N.C. 28201-1006		
Type Code Symbol Stamp N/A Authorization No. N/A	3b NSM or MN # 21446/01	
Expiration Date N/A		
4 Identification of System NS CONTAINMENT SPRAY SYSTEM	Class B	
5. (a) Applicable Construction Code III 1974 Edition, S'75 Addenda, Cod	de Cases	
(b) Applicable Edition of Section XI Utilized for Repairs or Replacement	ents 1989 Addenda NONE	
6 Identification of Components Paneired or Penlagement 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)
Α	Bolting	Duke Power Co.	NA	NA	Containment Spray Heat Exchanger "2A" Manway Cover	NA	Replacement	No
В							-	-
C							-	•
D							-	-
E							-	-
F							-	-

ASME	Section	ΧI	Manual
UOIVI	SCCUOII	Δ	wianuar

Date 10-27__,20_04

Form NIS-2 (Back)

Section E Exibit A

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 81/2in. 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 Pneumatic Nominal Operating Pressure Other Exempt Pressure Test Temp. deg.F. psig 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 TECH SPEC Date 10/27 ,20 0 4 Signed | 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. Commissions NC 978

Section E Exhibit A

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	la Date 12/14/04	Sheet 1 of 3
Address 526 S. CHURCH STREET. CHARLOTTE N.C. 28201-1006		
2. Plant CATAWBA NUCLEAR STATION	2a Unit	3 Shared (specify Units)
Address 4800 CONCORD RD. YORK, S.C. 29745		
3. Work Performed By <u>Duke Power Company</u>	3a Work Order # 98641315-2	29
Address 526 S. Church St. Charlotte, N.C. 28201-1006		
Type Code Symbol Stamp N/A Authorization No. N/A	3b NSM or MN # 21446/01	
Expiration Date N/A		
4 Identification of System NS CONTAINMENT SPRAY SYSTEM	Class B	
5. (a) Applicable Construction Code III 1974 Edition, S'75 Addenda, Code	e Cases	
(b) Applicable Edition of Section XI Utilized for Repairs or Replacement	its 1989 Addenda NONE	

- 0.	Identification of Co.					T-6 :	T = 1 =	
	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
В	Heat Exchanger	Joseph Oat Corp.	2636A	3448	Containment Spray Heat Exchanger "2A"	2004	Replacement	Yes
C							-	-
D							-	-
E							-	-
F							-	-

As Required By The Provisions Of The ASME Code Section XI

1. Owner DUKE POWER COMPANY	1a Date 12/14/04	Sheet 2 of 3
Address 526 S. CHURCH STREET. CHARLOTTE N.C. 28201-1006		
2. Plant CATAWBA NUCLEAR STATION	2a Unit	Shared (specify Units
Address 4800 CONCORD RD. YORK, S.C. 29745		
3. Work Performed By <u>Duke Power Company</u>	3a Work Order # 98641315-29	
Address 526 S. Church St. Charlotte, N.C. 28201-1006		
Type Code Symbol Stamp N/A Authorization No. N/A	3b NSM or MN # 21446/01	
Expiration Date N/A		
4 Identification of System NS CONTAINMENT SPRAY SYSTEM	Class NF	
5. (a) Applicable Construction Code III 1974 Edition, S'75 Addenda, Code	Cases	
(b) Applicable Edition of Section XI Utilized for Repairs or Replacement	ts 1989 Addenda NONE	

	administration of Col					7 0 1		0.1
	Column 1	Column 2	Column 3	Column	Column 5	Column	Column 7	Column
				4		6		8
	Name of	Name of	Manufacturer	N B	Other Identification (Size)	Year	Repaired.	ASME
	Component	Manufacturer	Serial	Number		Built	Replaced. or	Code Stamped
			Number				Replacement	(yes or no)
Α	Sway Strut	Anvil	41-63740/	NA	2-E-NS-0102	2004	New	Yes
	,	International	2004-955					
В	Sway Strut	Anvil	41-63740/	NA	2-E-NS-0102	2004	New	Yes
l _		International	2004-953					
C	Sway Strut	Anvil	41-63740/	NA	2-E-NS-0102	2004	New	Yes
l		International	2004-952					
D	Sway Strut	Anvil	41-63740/	NA	2-E-NS-0102	2004	New	Yes
		International	2004-954					
E	Sway Strut	Anvil	41-98-52-02/	NA	2-E-NS-102	2004	New	Yes
		International	1992-328					
F	Bracket/Pipe	Anvil	NA	NA	2-E-NS-0102	NA	New	No
	Clamps	International						

As Required By The Provisions Of The ASME Code Section XI

1. Owner DUKE POWER COMPANY	1a Date 12/14/04	Sheet 3 of 3
Address 526 S. CHURCH STREET. CHARLOTTE N.C. 28201-1006 2. Plant CATAWBA NUCLEAR STATION Address 4800 CONCORD RD. YORK, S.C. 29745	2a Unit 1 2 1	3 Shared (specify Units
3. Work Performed By <u>Duke Power Company</u> Address 526 S. Church St. Charlotte, N.C. 28201-1006	3a Work Order # 98641315-29	
Type Code Symbol Stamp N/A Authorization No. N/A Expiration Date N/A	3b NSM or MN # 21446/01	
4 Identification of System NS CONTAINMENT SPRAY SYSTEM	Class NF	
5. (a) Applicable Construction Code III 1974 Edition, S'75 Addenda, Code (b) Applicable Edition of Section XI Utilized for Repairs or Replacemen		
6. Identification of Components Repaired or Replacement Components		

Column 1 Column 5 Column 2 Column 3 Column Column Column Column 7 8 6 Name of Name of Manufacturer N B Other Identification (Size) Year Repaired. **ASME** Replaced. or Component Manufacturer Serial Code Number Built Stamped Replacement Number (yes or no) Welds C-2NS **Duke Power** 170 Weld #2-E-NS-0102-1 thru 8 2004 New No Co. $\overline{\mathbf{B}}$ C D E F

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

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 81/2in. x 11 in. (2)

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 CasesN-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 <u>repair or replacement</u> 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 Authorization No. N/A 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 7-20-04 to 12-20-04 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. Commissions NC 978 Inspector's Signature
Date 12・21,20_0ペ

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. 28201-1006		
2. Plant CATAWBA NUCLEAR STATION	2a Unit 🔲 1 🔀 2 📗	3 Shared (specify Units)
Address 4800 CONCORD RD. YORK, S.C. 29745		
3. Work Performed By <u>Duke Power Company</u>	3a Work Order # 98641914-0	1
Address 526 S. Church St. Charlotte, N.C. 28201-1006		
Type 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, Cod	e Cases	
(b) Applicable Edition of Section XI Utilized for Repairs or Replacement	nts 1989 Addenda NONE	
6 Identification of Components Pengired or Penlacement 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
В	Disc	Dresser	ADF-02	NA	Valve 2SV-006	NA	Replacement	No
C							-	•
D							-	•
Ε							-	-
F							-	•

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 81/2in. 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 Pneumatic Nominal Operating Pressure Other Exempt Pressure psig Test Temp. deg.F.
9. Remarks _ Code CasesNONE
(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
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 9.14.09 to 9.20.09 and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this 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. Commissions NC 978 Inspector's Signature
Inspector's Signature Date 3.27_,20_04

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. 28201-1006 2. Plant CATAWBA NUCLEAR STATION Address 4800 CONCORD RD. YORK, S.C. 29745	2a Unit 1 🔀 2	3 Shared (specify Units)
3. Work Performed By <u>Duke Power Company</u> Address 526 S. Church St. Charlotte, N.C. 28201-1006	3a Work Order # 98641963-0	1
Type 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 Replacement	s 1989 Addenda NONE	

	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
В	Disc	Dresser	ADF-15	NA	Valve tag 2SV-2	NA	Replacement	No
C							_	•
D							-	-
E							-	-
F							-	-

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

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 81/2in. x 11 in. (2)

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.
9. Remarks _ Code CasesNONE_
(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
1 /) /
Signed
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 10 400 and state that to the best of my
knowledge and belief, the Owner has performed examinations and taken corrective measures described in this 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.
Do atmost
Inspector's Signature Commissions NC 978
Date _ 10.4_ ,20_0 4

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. 28201-1006		
2. Plant CATAWBA NUCLEAR STATION	2a Unit 🔲 1 🔀 2	3 Shared (specify Units)
Address 4800 CONCORD RD. YORK, S.C. 29745		
3. Work Performed By <u>Duke Power Company</u>	3a Work Order # 98641967	7-01
Address 526 S. Church St. Charlotte, N.C. 28201-1006		
Type 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, Cod	e Cases	
(b) Applicable Edition of Section XI Utilized for Repairs or Replacement		

	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
В	Disc	Dresser	ADE-98	NA	For valve 2SV-23	NA	Replacement	No
C							-	-
D							-	-
E							-	-
F							-	-

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

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 81/2in. x 11 in. (2)

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.
9. Remarks _ Code CasesNONE
(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
Signed
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.
Inspector's Signature Commissions NC 978
Date 9.27_,20_04

As Required By The Provisions Of The ASME Code Section XI

1. Owner DUKE POWER COMPANY					1a Date 11/02/04	4	i.	Sheet 1 of 1	
A	Address 526 S. CHUR	CH STREET. C	HARLOTTE N	.C. 28201-1	<u>006</u>				
2. P	Plant CATAWBA NU	JCLEAR STATI	ION		2a Unit 🔲 1	$\boxtimes 2$	☐ 3 ☐ Sha	red (specify U	nits[
	Address 4800 CONCO	RD RD. YORK	, S.C. 29745						
3.	Work Performed By	Duke Power C	ompany		3a Work Order #	98641969-	01		
	Address 526 S. Chu	rch St. Charlotte	, N.C. 28201-10	006					
	Type Code Symbol	Stamp N/A Auth	norization No. N	<u>//A</u>	3b NSM or MN #	NA			
	Expiration Date N/A	<u>A</u>							
4]	Identification of Sys	tem SM MAIN	STEAM SYST	EM	Class B				
5. ((a) Applicable Const	ruction Code III	1974 Edition, S	S'75 Adden	da, Code Cases				
((b) Applicable Edition	on of Section XI	Utilized for Rep	pairs or Rep	lacements 1992 Addenda NO	ONE			
6.	Identification of Con	mponents Repair	red or Replacem	ent Compoi	nents				
	Column 1	Column 2	Column 3	Column	Column 5		Column	Column 7	Column
				4			6		8
	Name of	Name of	Manufacturer	N B	Other Identification	(Size)	Year	Repaired.	ASME
	Component	Manufacturer	Serial	Number		- •	Built	Replaced. or	Code

	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)
Α	Valve	Atwood- Morrill Co.	7-13000	NA	Repair by welding to valve 2SM-001 Poppet Guide Pin and Guide Pad	1978	Repaired	Yes
В	,						-	-
C							-	~
D							-	•
E							-	-
F							-	•

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 81/2in. 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 Pneumatic Nominal Operating Pressure Other Exempt Pressure psig Test Temp.
9. Remarks _ Code CasesN-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 <u>repair or replacement</u> 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 Jalls 18th 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 2-1-04 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 muching Commissions NC 978 Inspector's Signature
Date 11-2 20 04

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. 28201-1006		
2. Plant CATAWBA NUCLEAR STATION	2a Unit 🔲 1 🔀 2	3 ' Shared (specify Units)
Address 4800 CONCORD RD. YORK, S.C. 29745		
3. Work Performed By <u>Duke Power Company</u>	3a Work Order # 98641969-	07
Address 526 S. Church St. Charlotte, N.C. 28201-1006		
Type Code Symbol Stamp N/A Authorization No. N/A	3b NSM or MN # NA	
Expiration Date N/A		
4 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 Replacement		
6 Identification of Components Pensired or Penlacement 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)
Α	Valve 2SM-1	A&M	7-13000	NA	Base metal Repair	1971/72	Repaired	Yes
В							-	-
С							-	-
D							-	-
E							-	-
F							-	-

Form NIS-2 (Back)

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 81/2in. x 11 in. (2)

Section E Exibit A

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 2SM001_
8. Test Conducted: Hydrostatic Pneumatic Nominal Operating Pressure Other Exempt Pressure psig Test Temp.
9. Remarks _ Code CasesN-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 <u>repair or replacement</u> 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
// 1. 201
Signed / AUC TECH SPEC Date /6/4 ,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 9.1-04 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.
De Mineralia
Inspector's Signature Commissions NC 978
Data IAB 2004

As Required By The Provisions Of The ASME Code Section XI

1. 0	Owner DUKE POWER	R COMPANY			1a Date	10/13/04	1			Sheet	1 of 1
A	Address 526 S. CHUR	CH STREET. C	HARLOTTE N	.C. 28201-1	<u>1006</u>				·		
2. F	Plant CATAWBA NU	CLEAR STATI	ON		2a Unit	<u> </u>	⊠2	<u> </u>	Sha	red (specify U	nits
,	Address 4800 CONCO	RD RD. YORK	, S.C. 29745								
3.	Work Performed By	Duke Power C	<u>ompany</u>		3a Work	Order#	9864254	1-01			
	Address 526 S. Chur			006							
	Type Code Symbol S	Stamp <u>N/A</u> Auth	orization No. <u>N</u>	<u>/A</u>	3b NSM	or MN#	NA				
	Expiration Date N/A	<u> </u>									
4]	Identification of Syst	tem NI SAFET	Y INJECTION S	SYSTEM	Class B						
5. ((a) Applicable Const	ruction Code III	1974 Edition, S	S'75 Adden	nda, Code Cases						
((b) Applicable Editio	n of Section XI	Utilized for Rep	pairs or Rep	olacements 1989 Add	lenda NO	ONE				
	Identification of Cor		_	_							
	Column 1	Column 2	Column 3	Column	Col	umn 5			Column	Column 7	Column
				l 🛕	1				<i>c</i> 1		l Q

	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
В	Valve	Dresser	TD89439	478	Valve tag 2NI-119	1978	Replacement	Yes
С							-	-
D							-	-
E							-	-
F							-	-

Revision 6

ASME Section XI Manu	ıal
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Date 10-22_,20_04 ___

Form NIS-2 (Back)

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 81/2in. x 11 in. (2)

Section E Exibit A

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 Test Temp. 86.4 deg.F. Pressure 1010 psig 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 TECH SPEC Date 10/13 ,20 0 4 Signed 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. Karam Liu Commissions NC 978
Inspector's Signature

As Required By The Provisions Of The ASME Code Section XI

			•			•		
1.0	Owner DUKE POWE	R COMPANY			1a Date 11/13/04		Sheet	1 of 1
	Address <u>526 S. CHUR</u>	CH STREET, C	HARLOTTE N	.C. 28201-1	<u>1006</u>			
2. Plant CATAWBA NUCLEAR STATION			2a Unit 🔲 1 🔀 2	☐ 3 ☐ Sha	ared (specify U	nits (
	Address 4800 CONCO	RD RD. YORK	, S.C. 29745					
3.	Work Performed By	Duke Power C	ompany		3a Work Order # 98642543-	-01		
	Address 526 S. Chur	rch St. Charlotte	, N.C. 28201-10	006				
	Type Code Symbol S	Stamp N/A Auth	norization No. N	/A	3b NSM or MN # NA			
	Expiration Date N/A	<u>A</u>						
4	Identification of Sys	tem NI SAFET	Y INJECTION :	SYSTEM	Class B			
5.	(a) Applicable Const	ruction Code III	1974 Edition, S	S'75 Adden	da, Code Cases	1.		
1	(b) Applicable Edition	on of Section XI	Utilized for Rep	pairs or Rep	placements 1989 Addenda NONE	;		
6.	Identification of Cor	mponents Repair	red or Replacem	ent Compo	nents			
	Column 1	Column 2	Column 3	Column	Column 5	Column	Column 7	Column
				4		6		8
	Name of	Name of	Manufacturer	N B	Other Identification (Size)	Year	Repaired.	ASME
	Component	Manufacturer	Serial	Number		Built	Replaced. or	Code Stamped
			Number				Replacement	(yes or no)
Α	VALVE	DRESSER	TD89436	421	2NI151	1978	Replaced	Yes
В	VALVE	DRESSER	TD89437	422	2NI151	1978	Replacement	Yes
					-			
C							 -	-
D			ļ.				-	-
E							-	-
F		1	1				-	-
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Form NIS-2 (Back)

Section E Exibit A

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 81/2in. 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 CasesNONE_
(Applicable Manufacturers Data Records to be attached)
CERTIFICATE OF COMPLIANCE
We certify that the statements made in the report are correct and this <u>repair or replacement</u> 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
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 2-22-04 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.
Robert Well Commissions NC 978 Inspector's Signature
Date _10-22

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. 28201-1006		
2. Plant CATAWBA NUCLEAR STATION	2a Unit ☐ 1 🔀2 🗌	3 Shared (specify Units)
Address 4800 CONCORD RD. YORK, S.C. 29745		
3. Work Performed By <u>Duke Power Company</u>	3a Work Order # 98642546-03	1
Address 526 S. Church St. Charlotte, N.C. 28201-1006		
Type Code Symbol Stamp N/A Authorization No. N/A	3b NSM or MN # NA	
Expiration Date N/A		
4 Identification of System NI SAFETY INJECTION SYSTEM	Class B	
5. (a) Applicable Construction Code III 1974 Edition, S'75 Addenda, Cod	e Cases	
(b) Applicable Edition of Section XI Utilized for Repairs or Replacement	nts 1989 Addenda NONE	
6. Identification of Components Penaired or Penlacement 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)
Α	Valve	Dresser	TH38275	1941	Valve tag 2NI-161	1989	Replaced	Yes
В	Valve	Dresser	TD89434	419	Valve tag 2NI-161	1978	Replacement	Yes
С							-	•
D							-	-
Е							-	-
F							-	•

Date 10-21_,20_04

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 81/2in. 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 TECH SPEC Date 10/14 ,20 04 Signed 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 20-56p-04 to 10-21-09 and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this 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. _____ Commissions ___ NC 978_

As Required By The Provisions Of The ASME Code Section XI

1 - DUKE BOWED COMPANY	1. Data 12/14/04	Chast	o.f
1. Owner DUKE POWER COMPANY	1a Date 12/14/04	Sheet	of
Address 526 S. CHURCH STREET, CHARLOTTE N.C. 28201-1006		7. .	
2. Plant CATAWBA NUCLEAR STATION	2a Unit 🔲 1 🔀 2	3 Shared (specify)	Units
Address 4800 CONCORD RD. YORK, S.C. 29745		t	
3. Work Performed By <u>Duke Power Company</u>	3a Work Order # 98642548-0	01)	
Address 526 S. Church St. Charlotte, N.C. 28201-1006		:	
Type 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	•		
(b) Applicable Edition of Section XI Utilized for Repairs or Replacemen			

	Column 1	Column 2	Column 3	Column	Column 5	Column	Column 7	Column
				4		6		8
	Name of Component	Name of Manufacturer	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
В	Valve	Dresser	TJ-18506	1953	Valve 2NV-14	1992	Replacement	Yes
С							-	-
D							-	-
E							-	-
F							-	-

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

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 81/2in. x 11 in. (2)

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 CasesNONE
(Applicable Manufacturers Data Records to be attached)
CERTIFICATE OF COMPLIANCE
We certify that the statements made in the report are correct and this <u>repair or replacement</u> 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
$0.0 \cdot 10^{-1}$
Signed / Author London TECH SPEC Date 12/14,20 64
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.
Commissions NC 978 Inspector's Signature
Date 12-14_,20_04
Date 10:17_,20_07

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. 28201-1006		
2. Plant CATAWBA NUCLEAR STATION	2a Unit 🔲 1 🔀 2	3 Shared (specify Units)
Address 4800 CONCORD RD. YORK, S.C. 29745		
3. Work Performed By <u>Duke Power Company</u>	3a Work Order # 98642549	9-01
Address 526 S. Church St. Charlotte, N.C. 28201-1006		
Type 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, Cod	e Cases	
(b) Applicable Edition of Section XI Utilized for Repairs or Replacement	nts 1989 Addenda NONE	
6 Identification of Components Penaired or Penlacement 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)
Α	Valve	Dresser	TE03783	578	Valve tag 2NV-222	1978	Replaced	Yes
В	Valve	Dresser	TG80175	1928	Valve tag 2NV-222	1986	Replacement	Yes
C							-	-
D							-	-
Е							-	-
F							-	-

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Date 10-21__,20_04

Form NIS-2 (Back)

Section E Exibit A

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 81/2in. 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 TECH SPEC Date 10/14 ,20 04 Signed . 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. Commissions NC 978 Inspector's Signatur

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. 28201-1006		
2. Plant CATAWBA NUCLEAR STATION	2a Unit 🔲 1 🔀 2	3 Shared (specify Units
Address 4800 CONCORD RD. YORK, S.C. 29745		_, ,
3. Work Performed By <u>Duke Power Company</u>	3a Work Order # 9865550	01-01
Address 526 S. Church St. Charlotte, N.C. 28201-1006		•
Type Code Symbol Stamp N/A Authorization No. N/A	3b NSM or MN # CNCE-	62339
Expiration Date N/A		
4 Identification of System NS CONTAINMENT SPRAY SYSTEM	Class B	
5. (a) Applicable Construction Code III 1974 Edition, S'75 Addenda, Code	e Cases	
(b) Applicable Edition of Section XI Utilized for Repairs or Replacemen		

	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
В	Bolting	NA	NA	NA	Bolt- SA564 Type 630 for Containment Spray Pump 2B	NA	Replacement	No
С							-	-
D	_						-	-
E	-						-	_
F							-	-

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Form NIS-2 (Back)

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 81/2in. x 11 in. (2)

Section E Exibit A

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 Pneumatic Nominal Operating Pressure Other Exempt Pressure 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 TECH SPEC Date 9/26 ,20 04 Signed 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. Commissions NC 978 Date 9.27_,20_04 __

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. 28201-1006			
2. Plant CATAWBA NUCLEAR STATION	2a Unit 1 2 3	Shared (specify	/ Units 🗍
Address 4800 CONCORD RD. YORK, S.C. 29745		_ ``	
3. Work Performed By <u>Duke Power Company</u>	3a Work Order # 98668677-04		
Address 526 S. Church St. Charlotte, N.C. 28201-1006			
Type Code Symbol Stamp N/A Authorization No. N/A	3b NSM or MN # CE62362		
Expiration Date N/A			
4 Identification of System NS CONTAINMENT SPRAY SYSTEM	Class B		
5. (a) Applicable Construction Code III 1974 Edition, S'75 Addenda, Code	e Cases		
(b) Applicable Edition of Section XI Utilized for Repairs or Replacement	its 1992 Addenda NONE		
6 Identification of Commonate Parsiand or Particular Common Commonate Common			

	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
В					2" CplgSA182 8" Tee-SA403 12" Flg SA182 12" Pipe-SA312		-	_
С	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							-	-

Form NIS-2 (Back)

Section E Exibit A

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 81/2in. 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 CasesN-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 <u>repair or replacement</u> 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 12/6, 2009 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 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.
Inspector's Signature Commissions NC 978
Date 12-7,20_04

As Required By The Provisions Of The ASME Code Section XI

1. Owner DUKE POWER COMPANY	1a Date 11/1804	Sheet 1 of 1/2 6
Address <u>526 S. CHURCH STREET. CHARLOTTE N.C.</u> <u>28201-1006</u> 2. Plant CATAWBA NUCLEAR STATION	2a Unit	☐ Shared (specify Units☐)
Address 4800 CONCORD RD. YORK, S.C. 29745		
3. Work Performed By <u>Duke Power Company</u>	3a Work Order # 98669215	
Address 526 S. Church St. Charlotte, N.C. 28201-1006		
Type Code Symbol Stamp N/A Authorization No. N/A	3b NSM or MN # CNCE-62362	
Expiration Date N/A		
4 Identification of System NS CONTAINMENT SPRAY SYSTEM	Class B	
5. (a) Applicable Construction Code III 1974 Edition, S'75 Addenda, Code	e Cases	
(b) Applicable Edition of Section XI Utilized for Repairs or Replacemen	its 1989 Addenda NONE	

	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
В	Pipe Welds	Duke Power Co.	C-2NS	150	Weld#s 2NS31- 3,4,5,6,7,10,12,18,19,21,22,23 , 20 المالية 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		New Willion	NO
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		- +	- 🔻

As Required By The Provisions Of The ASME Code Section XI

1. Owner DUKE POWER COMPANY	1a Date 11/1804	Sheet 1-of 1 (44) 11/18/04
Address 526 S. CHURCH STREET. CHARLOTTE N.C. 28201-1006		20+ 2
2. Plant CATAWBA NUCLEAR STATION	2a Unit 1 🔲 1 🖂 2 🔲 3 🔲 Shar	ed (specify Units)
Address 4800 CONCORD RD. YORK, S.C. 29745		
3. Work Performed By <u>Duke Power Company</u>	3a Work Order # 98669215	
Address 526 S. Church St. Charlotte, N.C. 28201-1006		
Type Code Symbol Stamp N/A Authorization No. N/A	3b NSM or MN # CNCE-62362	
Expiration Date N/A		
4 Identification of System NS CONTAINMENT SPRAY SYSTEM	Class B	
5. (a) Applicable Construction Code III 1974 Edition, S'75 Addenda, Code	e Cases	
(b) Applicable Edition of Section XI Utilized for Repairs or Replacement	nts 1989 Addenda NONE	
6 Identification of Components Renaired or Replacement Components		

- ''-	identification of Co.					·,		
1	Column 1	Column 2	Column 3	Column	Column 5	Column	Column 7	Column
			_	4		6		8
	Name of	Name of	Manufacturer	NΒ	Other Identification (Size)	Year	Repaired.	ASME
	Component	Manufacturer	Serial	Number		Built	Replaced. or	Code
L	<u> </u>		Number				Replacement	Stamped (yes or no)
Α	Pipe/Fittings	Duke Power	C-2NS	150	2" Pipe -SA-376,TP-304		New	Nous
L		Co.			12" Pipe -SA-312,TP-304			CT//1/
В							-	-
<u> </u>							<u></u>	
C		1					-	-
D							-	-
<u> </u>		ļ						
E							-	-
<u> </u> _								
F							-	-
<u> </u>								1

Revision 6

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

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 81/2in. x 11 in. (2)

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 CasesN-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
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.
Inspector's Signature Commissions NC 978
Date _ 11.22_ ,20_04

Section E Exhibit A

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. 28201-1006	2a Unit □1 □2 □	3 Shared (specify	T Imito ()
2. Plant CATAWBA NUCLEAR STATION Address 4800 CONCORD RD. YORK, S.C. 29745	2a Unit ☐ 1	Shared (specify	y Omts
3. Work Performed By <u>Duke Power Company</u>	3a Work Order # 98679862-0	1	
Address 526 S. Church St. Charlotte, N.C. 28201-1006			
Type Code Symbol Stamp N/A Authorization No. N/A	3b NSM or MN # NA		
Expiration Date N/A			
4 Identification of System FW REFUELING WATER SYSTEM	Class B		
5. (a) Applicable Construction Code III 1974 Edition, S'75 Addenda, Cod	de Cases		
(b) Applicable Edition of Section XI Utilized for Repairs or Replacement	ents 1989 Addenda NONE		
6 Identification of Components Densired or Benjacement 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)
Α	Bolting	Duke Power Co.	NA	NA	Threaded Rod- SA193 Hex Nuts- SA194	NA	Replacement	No
В						1	-	-
С							-	-
D							-	-
Е							-	-
F							-	-

Form NIS-2 (Back)

Section E Exibit A

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 81/2in. x 11 in information in items 1 through 6 on this reports included on each sheet, and (3) each sheet is numbered and the num recorded at the top of this form.							
	7. Description of Work Replace Bolting on FWST Flanged Connections						
	8. Test Conducted: Hydrostatic Pneumatic Nominal Operating Pressure Other Exempt Pressure psig Test Temp. deg.F.						
	9. Remarks _ Code CasesNONE						
	(Applicable Manufacturers Data Records to be attached)						
	CERTIFICATE OF COMPLIANCE We certify that the statements made in the report are correct and this <u>repair or replacement</u> 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						
ı							
	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 11-0-0-1 to 12-6-0-1 and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI. By signing this 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 Date 12-6_,20_04						
	Date 12-6_,20_04						

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. 28201-1006			
2. Plant CATAWBA NUCLEAR STATION	2a Unit 🔲 1 🔀 2	<u> 3</u>	Shared (specify Units)
Address 4800 CONCORD RD. YORK, S.C. 29745		-	
3. Work Performed By <u>Duke Power Company</u>	3a Work Order # 986910	38-01	
Address 526 S. Church St. Charlotte, N.C. 28201-1006			
Type Code Symbol Stamp N/A Authorization No. N/A	3b NSM or MN # NA	į	
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, Cod	e Cases		
(b) Applicable Edition of Section XI Utilized for Repairs or Replacemen			
6 Identification of Components Densired or Denlessment 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)
Α	Valve Disc	Dresser	ADE-94	NA	Valve tag 2SV-008	NA	Replaced	No
В	Valve Disc	Dresser	ADF-09	NA	Valve tag 2SV-008	NA	Replacement	No
С							-	_
D							-	-
E							-	-
F							-	-

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

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 81/2in. x 11 in. (2)

recorded at the top of this form.
7. Description of Work Refurbish Valve 2SV-008_
8. Test Conducted: Hydrostatic Pneumatic Nominal Operating Pressure Other Exempt Pressure psig Test Temp.
9. Remarks _ Code CasesNONE_
(Applicable Manufacturers Data Records to be attached)
CERTIFICATE OF COMPLIANCE
We certify that the statements made in the report are correct and this <u>repair or replacement</u> 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 / AUC TECH SPEC Date /0/4 ,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 9.24-04 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.
Valo at modification of the second
Inspector's Signature Commissions NC 978
Date 10-8_,20_04

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 <u>526 S. CHURCH STREET. CHARLOTTE N.C.</u> <u>28201-1006</u> 2. Plant CATAWBA NUCLEAR STATION	2a Unit □ 1 □2	3 Shared (specify Units)
Address 4800 CONCORD RD. YORK, S.C. 29745		
3. Work Performed By <u>Duke Power Company</u>	3a Work Order # 98694269	9-01
Address 526 S. Church St. Charlotte, N.C. 28201-1006		
Type Code Symbol Stamp N/A Authorization No. N/A	3b NSM or MN # NA	
Expiration Date <u>N/A</u>		
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 Replacement	s 1989 Addenda NONE	

	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
В							-	•
C							-	-
D							-	-
E							-	-
F							-	-

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

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 81/2in. x 11 in. (2)

recorded at the top of this form.
7. Description of Work Replace U-Bolt for 2-R-NV-1186 _
8. Test Conducted: Hydrostatic Pneumatic Nominal Operating Pressure Other Exempt Pressure psig Test Temp.
9. Remarks _ Code CasesNONE_
(Applicable Manufacturers Data Records to be attached)
CERTIFICATE OF COMPLIANCE
We certify that the statements made in the report are correct and this <u>repair or replacement</u> 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 10/18 ,20 0 4 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 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 Mc Ll Commissions NC 978 Inspector's Signature
Date 10-20_,20_04

6.0 <u>Pressure Testing</u>

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					
С-Н	System Functional/Inservice Test (IWC-5221)	0					
С-Н	System Hydrostatic Test (IWC-5222)	17					

Section 6 Prepared By:	Date:
Jim Boughman	12/7/04
Section 6 Reviewed By:	Date:
T.E. Harley	12/7/04

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%			
В-Р	System Hydrostatic Test (IWB-5222)	12	12	100%			
C-H	System Inservice/Functional Test (IWC-5221)	0	0	0%			
С-Н	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					
		2EOC13 2EOC13 VT-				
1	Zone		Completion		Examination	
<u> </u>	Number	Boundary Dwg	Status	Test Type	Date	
1	2MJ-001H-A	CN-ISIH-2553-1.0	Complete	Hydrostatic	10/22/04	
l		CN-ISIH-2553-1.1	Complete	Hydrostatic	10/22/04	
		CN-ISIH-2554-1.0	Complete	Hydrostatic	10/22/04	
ļ		CN-ISIH-2562-1.1	Complete	Hydrostatic	10/22/04	
		CN-ISIH-2562-1.2	Complete	Hydrostatic	10/22/04	
2	2NC-001H-A	CN-ISIH-2553-1.0	Complete	Hydrostatic	10/22/04	
•		CN-ISIH-2553-1.1	Complete	Hydrostatic	10/22/04	
		CN-ISIH-2554-1.0	Complete	Hydrostatic	10/22/04	
[[CN-ISIH-2554-1.5	Complete	Hydrostatic	10/22/04	
}		CN-ISIH-2561-1.0	Complete	Hydrostatic	10/22/04	
Į ,		CN-ISIH-2561-1.1	Complete	Hydrostatic	10/22/04	
		CN-ISIH-2562-1.0	Complete	Hydrostatic	10/22/04	
		CN-ISIH-2562-1.1	Complete	Hydrostatic	10/22/04	
		CN-ISIH-2562-1.2	Complete	Hydrostatic	10/22/04	
		CN-ISIH-2562-1.3	Complete	Hydrostatic	10/22/04	
	j	CNM-1201.01-66	Complete	Hydrostatic	10/22/04	
		CNM-1201.14-51/3	Complete	Hydrostatic	10/22/04	
		CNM-2201.01-74/7	Complete	Hydrostatic	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	? Listina
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	7	Table 0-4 Detaile	2EOC13		2EOC13 VT-2
	Zone Number	Boundary Dwg	Completion Status	Test Type	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			