

Duke Power Company A Duke Energy Company McGuire Nuclear Station 12700 Hagers Ferry Road Huntersville, NC 28078-9340

(704) 875-4100

DM Jamil Site Vice-President

December 30, 2002

U. S. Nuclear Regulatory Commission Washington, D.C. 20555-0001

ATTENTION: Document Control Desk

Subject: McGuire Nuclear Station, Unit 1 Docket No. 50-369 Inservice Inspection Report End of Cycle 15 Refueling Outage

Attached are two Inservice Inspection Reports for inspections conducted prior to the conclusion of the end of cycle 15 (EOC-15) refueling outage for McGuire Nuclear Station (MNS), Unit 1. The first report documents inspections performed with respect to the Second Ten Year Interval Plan, and the second report documents the Third Ten Year Interval Plan activities. This report is submitted pursuant to the filing requirements of Article IWA-6000 of Section XI of the ASME Code.

Section 4.0 of the Third Ten Year Interval report lists the limited examination item numbers and the applicable relief request. Limited examination relief request 02-004 is under development and will be submitted to the NRC in the second quarter of 2003 for review and approval in accordance with 10CFR50.55a(a)(3)(i). These Inservice Inspection Reports contain no regulatory commitment statements.

Any questions on this matter should be directed to Norman T. Simms, Regulatory Compliance, at (704) 875-4685.

Sincerely,

D. M. Jamil

Attachment

U.S. Nuclear Regulatory Commission December 30, 2002 Page 2

cc w/o att: Mr. L. A. Reyes Regional Administrator, Region II U. S. Nuclear Regulatory Commission Sam Nunn Atlanta Federal Center, 23 T 85 61 Forsyth Street, S.W. Atlanta, Georgia 30303-3415

Mr. R. E. Martin, Project Manager (Addressee only)
Office of Nuclear Reactor Regulation
U. S. Nuclear Regulatory Commission
One White Flint North, Mail Stop 0-8G9
11555 Rockville Pike
Rockville, MD 20852-2738

S. M. Shaeffer Senior NRC Resident Inspector McGuire Nuclear Station U.S. Nuclear Regulatory Commission December 30, 2002 Page 3

bxc w/att: Master File: 1.3.8.1 - Routine Reports

bxc w/o att: Kay L. Crane C.J. Thomas G.J. Underwood (EC07J) D.E. Caldwell (MG01MM) R.D. Klein (MG01MM) R.K. Rhyne (EC07J) R. Branch (MG01MM) N.T. Simms ELL (EC050)

		ATA REPORT FOR IN		
A	is required by the	e Provisions of the A		
1. Owner: <u>Dul</u>		ation, 526 S. Church S ne and Address of Ow		NC 28201-100
2. Plant: <u>Mc</u>		tion, Highway 7 <u>3 Cow</u> ne and Address of Pla		<u>28216</u>
3. Plant Unit:	<u>1</u> 4. Ov	vner Certificate of Aut	horization (if re	quired) <u>N/A</u>
5. Commercia	al Service Date: <u>D</u>	ecember 1, 1981_6.	National Board	l Number for L
7. Componen	its Inspected:			
Component or Appurtenance	Manufacturer or Installer	Manufacturer or Installer Serial No.	State or Province No.	National Board No.
	 Soo Sov	tion 1.1 in the Attached	Report	

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in. x 11 in., (2) information in items 1 through 6 on this report is included on each sheet, and (3) each sheet is numbered and the number of sheets is recorded at the top of this form.

FORM NIS-1 (Back)

	8.	Examination Dates A	PRIL 18, 2	001	to	OCTOE	BER 10, 2002		
/	9.	Inspection Period Identification	on:	Third period of	the S	econd Ir	nterval		
	10.	Inspection Interval Identificati	on:	Second Inservic	e Ins	pection I	nterval		
	11.	Applicable Edition of Section	XI	1989	_ Ad	denda	None		
	12.	Date/Revision of Inspection F	'lan:	September 7, 19	999/F	Revision :	3		
	13.	Abstract of Examinations and concerning status of work re		lude a list of exar the Inspection Pla					
	14.	Abstract of Results of Examin	ations and	Tests.	<u>S</u>	ee Sectio	on 4.0, and 6.0		
	15.	Abstract of Corrective Measu	res. <u>S</u>	ee Section 4.3					
	inspe	certify that a) the statements m ection Plan as required by the ules of the ASME Code, Section	ASME Cod	report are correct e, Section XI, and	t b) ti d c) c	ne exami orrective	nations and test measures take	s meet the n conform to	
	Certi	ficate of Authorization No. (if a	pplicable)	<u>N/A</u>	<u></u>	Exp	piration Date	<u>N/A</u>	
	Date	12/17 20 0Z Si	gned <u>Du</u>	<u>ke Energy Corp</u> . Owner	Ву	R	fevin 1	Chippe -	
1	CER	TIFICATE OF INSERVICE INS	SPECTION						
	I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State of Province of								
	Date	Date <u>12-18</u> 20 <u>02</u>							
 1	200 / Suite Atlan (800)	Hartford Steam Boiler Inspect Ashford Center North 300 ta, GA. 30338-4860 417-3721 hsbct.com	tion & Insur	ance Company o	f Cor	necticut			

OWNER'S REPORT FOR INSERVICE INSPECTIONS

MCGUIRE UNIT 1

2002 REFUELING OUTAGE 8 / EOC 15

Plant Location: McGuire Nuclear Station Highway. 73 Cowans Ford, North Carolina 28216

NRC Docket No. 50-369

National Board No. 44

Commercial Service Date: December 1, 1981

Document Completion Date: 12/18/2002_

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

Revision 0

Prepared By:	Jary Urderwood	Date	12/16/02
Reviewed By:	Rarry Co Keith	Date	12-16-02
Approved By:	P. Jevin Phyne	Date	12/16/02

DISTRIBUTION LIST

- 1. Duke Energy Corporation Inservice Inspection Plan Management (Original Copy)
- 2. McGuire Work Control / QA Technical Support
- 3. NRC Document Control Desk
- 4. Hartford Steam Boiler Inspection and Insurance Corporation of Connecticut (AIA) c/o ANII. At McGuire
- 5. State of North Carolina Department of Labor c/o J. M. Givens, Jr.
- 6. Nuclear GO Regulatory & Industrial Affairs c/o L. E. Burba

TABLE OF CONTENTS

.

Section	<u>Title</u>	Revision
1.	General Information	0
2.	Second Ten-Year Interval Inspection Status	0
3.	Final Inservice Inspection Plan	0
4.	Results of Inspections Performed	0
5.	Owner's Report for Repair / Replacement Activities	0
6.	Pressure Testing	0

1.0 General Information

This report describes the Inservice Inspection of Duke Energy Corporation's McGuire Nuclear Station Unit 1 during Outage 8/EOC 15. This is the last outage of the Second Ten-Year Interval. PIP G-01-0168 was written to address weld coverage on two welds which are referenced in Sections 1-5 of this report. To address this PIP Duke Energy Corporation elected to utilize the code allowed grace period to re-examine these two welds to get additional coverage.

In addition Section 6.0 will address Pressure Testing performed to complete examinations for the second interval. For additional information concerning Pressure Testing please reference that section for more details.

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 action(s) 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.

ltem	Manufacturer or Installer	Manufacturer or Installer Serial No.	State or Province No.	National Board No.
Reactor Vessel	Combustion Engineering	CE67102	NC-178379	20766
Pressurizer	Westinghouse	1471	NC-178395	68-123
Steam Generator 1A	BWI	7701-04	NC-302668	157
Steam Generator 1B	BWI	7693-01	NC-302669	146
Steam Generator 1C	BWI	7701-03	NC-302670	155
Steam Generator 1D	BWI	7701-02	NC-302671	154
Centrifugal Charging Pump	Pacific Pumps	1A - 48582 1B - 48583	N/A	19 22

1.1 Identification Numbers

Outage 8/EOC 15 McGuire Unit 1 Section 1 Page 1 of 5 Revision 0 December 16, 2002

1.1 Identification Numbers

Continued

ltem	Manufacturer or Installer	Manufacturer or Installer Serial No.	State or Province No.	National Board No.
Containment Spray Heat Exchanger	Delta Southern Co.	1A-35005-73-1 1B-35005-73-2	NC-147799 NC-147796	3394 3395
Excess Letdown Heat Westinghouse Exchanger		1809	NC-187817	1554
Letdown Heat Exchanger	Joseph Oat & Sons, Inc.	2049-2A	NC-187881	552
Reciprocating Charging Pump	Westinghouse	N721031B-603	N/A	N/A
Reactor Coolant Pump	Westinghouse	1A 1-114E841G01 1B 2-114E841G01 1C 3-114E841G01 1D 4-114E841G01	N/A	N/A
Reciprocating Charging Pump Accumulator	Metal Bellows Company	74730-001	N/A	001
Reciprocating Charging Pump Suction Stabilizer	Richmond Engineering	N-2409.10	N/A	75219
Residual Heat Removal Heat Exchanger	Joseph Oat & Sons, Inc.	1A 2046-2A 1B 2046-2A	NC-234202 NC-234201	635 636
Safety Injection Pump	Pacific Pumps	1A 49355 1B 49356	N/A	80 81
Regenerative Heat Exchanger	Joseph Oat & Sons, Inc.	2047-2A	NC-187897	595 596 597
Seal Water Heat Exchanger	Atlas Industrial Manufacturing Company	1766	NC 169797	1548
Seal Water Injection Filter	AMF Cuno	1A - 13 1B - 14	N/A	3822 3823

1.1 Identification Numbers

Continued

ltem	Manufacturer or Installer	Manufacturer or Installer Serial No.	State or Province No.	National Board No.
Main Steam Supply to Auxiliary Equipment System	Duke Power Co.	SA	N/A	4
Containment Air Release and Addition System	Duke Power Co.	VQ	N/A	12
Main Steam System	Duke Power Co.	SM	N/A	17
Main Steam Vent to Atmosphere System	Duke Power Co.	SV	N/A	18
Reactor Coolant System	Duke Power Co.	NC	N/A	28
Liquid Waste Recycle System	Duke Power Co.	WL	N/A	29
Refueling Water System	Duke Power Co.	FW	N/A	31
Auxiliary Feedwater System	Duke Power Co.	CA	N/A	32
Residual Heat Removal System	Duke Power Co.	ND	N/A	35
Nuclear Service Water System	Duke Power Co.	RN	N/A	36
Chemical & Volume Control System	Duke Power Co.	NV	N/A	37
Component Cooling System	Duke Power Co.	кс	N/A	38
Main Feedwater System	Duke Power Co.	CF	N/A	39
Containment Spray System	Duke Power Co.	NS	N/A	40

1

1.1 Identification Numbers

Continued

ltem	Manufacturer or Installer	Manufacturer or Installer Serial No.	State or Province No.	National Board No.
Containment Ventilation Cooling Water System	Duke Power Co.	RV	N/A	41
Safety Injection System	Duke Power Co.	NI	N/A	42
Containment Purge Ventilation	Duke Power Co.	VP	N/A	6
Safety Injection Accumulator Tank 1A	Delta Southern Co.	41617-72-1	NC-178396	3038
Safety Injection Accumulator Tank 1B	Delta Southern Co.	41617-72-2	NC-178397	3039
Safety Injection Accumulator Tank 1C	Delta Southern Co.	41617-72-3	NC-178398	3040
Safety Injection Accumulator Tank 1D	Delta Southern Co.	41617-72-4	NC-178399	3041
Unit 1	Duke Power Co.	N/A	N/A	44

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, and 1995 Edition with the 1996 Addenda through the Performance Demonstration Initiative (PDI) for similar metal piping welds.

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

Outage 8/EOC 15 McGuire Unit 1 Section 1 Page 4 of 5 Revision 0 December 16, 2002

1.3 <u>Reference Documents</u>

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

- 1. PIP G-01-0168 (PIP on incomplete welds, Item Numbers B09.011.074 and B09.011.075)
- 2. Request for Relief 97-005 (Class 1, 2 and 3 snubber examinations under station technical specification)

1.4 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 Inservices Inspector(s)

Name:	R. D. Klein
Employer:	The Hartford Steam Boiler Inspection & Insurance Company of Connecticut
Business Address:	200 Ashford Center North Suite 300 Atlanta, GA 30338-4860 (800) 417-3721 www.hsbct.com

2.0 Second Ten-Year Interval Inspection Status

The completion status of inspections required by the 1989 ASME Code Section XI, no Addenda is summarized in this section. The requirements are listed by the ASME Section XI Examination Category as defined in Table IWB-2500-1 for Class 1 Inspections, Table IWC-2500-1 for Class 2 Inspections, and IWF-2500-1 (Code Case N-491-1 applies) for Class 1, 2, and 3 Component Supports. Augmented inspections are also included.

Examination Category	Description	Inspections Required	Inspections Completed	Percentage Completed	⁶ Deferral Allowed
B-A	Pressure Retaining Welds in Reactor Vessel	28	28	100%	Yes
В-В	Pressure Retaining Welds in Vessels Other than Reactor Vessel	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	38	38	100%	No
B-G-1	Pressure Retaining Bolting Greater than 2 " in Diameter	242	242	100%	No
B-G-2	Pressure Retaining Bolting 2" and Less in Diameter	31	31	100%	No

Class 1 Inspections

Outage 8/EOC 15 McGuire Unit 1 Section 2 Page 1 of 5 Revision 0 December 16, 2002

Class 1 Inspections

(Continued)

Examination Category	Description	Inspections Required	Inspections Completed	Percentage Completed	⁶ Deferral Allowed
B-H	Integral Attachments for Vessels	13	13	100%	No -
B-J	Pressure Retaining Welds in Piping	212	212	**100%	No
B-K-1	Integral Attachments for Piping, Pumps and Valves	N/A	N/A	N/A	No
B-L-1	Pressure Retaining Welds in Pump Casings	N/A	N/A	N/A	Yes
B-L-2	Pump Casings	1	1	100%	Yes
B-M-1	Pressure Retaining Welds in Valve Bodies	N/A	N/A	N/A	Yes
B-M-2	Valve Body > 4 in. Nominal Pipe Size	7	4	*57.14%	Yes
B-N-1	Interior of Reactor Vessel	3	3	100%	No
B-N-2	Integrally Welded Core Support Structures and Interior Attachments to Reactor Vessels	2	2	100%	Yes
B-N-3	Removable Core Support Structures	1	1	100%	Yes
B-0	Pressure Retaining Welds in Control Rod Housings	3	3	100%	Yes

*Note no additional valve groups were disassembled during this interval. **Reference PIP G-01-0168

Class 1 Inspections (Continued)

Examination Category	Description	Inspections Required	Inspections Completed	Percentage Completed	⁶ Deferral Allowed	
B-P	All Pressure Retaining Components	REFERENCE SECTION 6.0 OF THIS REPORT				
B-Q	Steam Generator Tubing	See Note Below				
F-A F01.010	Class 1 Component Supports (Code Case N-491)	67	67	100%	No	

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

⁶ Deferral of inspection to the end of the interval as allowed by ASME Section XI Tables IWB and IWC 2500-1

Outage 8/EOC 15 McGuire Unit 1 Section 2

Class 2 Inspections

Examination Category	Description	Inspections Required	Inspections Completed	Percentage Completed	⁶ Deferral Allowed
C-A	Pressure Retaining Welds in Pressure Vessels	23	23	100%	No
C-B	Pressure Retaining Nozzle Welds in Vessels	20	20	*100%	No
C-C	Integral Attachments for Vessels, Piping, Pumps and Valves	9	9	100%	No
C-D	Pressure Retaining Bolting Greater Than 2" in Diameter	N/A	N/A	N/A	N/A
C-F-1	Pressure Retaining Welds in Austenitic Stainless Steel or High Alloy Piping	230	230	100%	No
C-F-2	Pressure Retaining Welds in Carbon or Low Alloy Steel Piping	48	48	100%	No
C-G	Pressure Retaining Welds in Pumps and Valves	6	6	100%	No
С-Н	All Pressure Retaining Components	REFERE	NCE SECTION 6	0 OF THIS REF	PORT
F-A F01.020	Class 2 Component Supports (Code Case N-491)	189	189	100%	No

* Reference Section 6.0 of this report for further details.

Additional Component Support Examinations Class 1, 2 & 3

Examination Category	Description	Inspections Required	Inspections Completed	Percentage Completed	⁶ Deferral Allowed
F-A F01.040	Supports other than Piping Supports Class 1, 2 & 3	39	39	100%	No
F01.050	Component Supports, Snubbers Class 1, 2 & 3			*	No

⁶Deferral of inspection to the end of the interval as allowed by ASME Section XI Tables IWB-2500-1 and IWC-2500-1.

* Examinations to be performed per Request for Relief 97-005

Augmented Inspections

Description	Percentage Complete
Reactor Coolant Pump Flywheels (Item No. Series G01.)	N/A Outage 8 / EOC 15
Pipe Rupture Protection (Item No. Series G03.)	N/A Outage 8 / EOC 15

3.0 Final Inservice Inspection Plan

The final Inservice Inspection Plan shown in this section lists all ASME Section XI Class 1 and Class 2, and Augmented examinations credited for this report period.

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

ITEM NUMBER	=	ASME Section XI Tables IWB-2500-1 (Class 1), IWC-2500-1 (Class 2), IWF-2500-1 (Class 1 and Class 2), Augmented Requirements
ID NUMBER	=	Unique Identification Number
SYS	=	Component System Identification
ISO/DWG NUMBERS	=	Location and/or Detail Drawings
PROC	=	Examination Procedures
INSP REQ	=	Examination Technique - Magnetic Particle, Dye Penetrant, etc.
MAT / SCH.	=	General Description of Material
DIA / THICK	=	Diameter/Thickness
CAL BLOCKS	=	Calibration Block Number
COMMENTS	=	General and/or Detail Description

EOC 15 (<u>CATEGORY B-J, Pressure Re</u> <u>Piping</u> <u>NPS 4 or Larger</u>	DUKE ENERGY CORPORATION INSERVICE INSPECTION PLAN MANAGEMENT Inservice Inspection Database Management System McGuire 1 Inservice Inspection Plan for Interval 2 Outage 8	Plan Report Page 1 12/11/2002
ITEM NUMBER ID NUMBER	SYS ISO/DWG NUMBERS PROC INSP REQ MAT/SCH DIA/THK CAL BLOCKS COM	MENTS
**** Circumferential Welds **** B09.011.074 1NC1F-3-2 Circumferential Class A	NC MC 1676-4 NDE-600 2.500 SAFE MC 1676-01.07 S/G 1C Inlet Safe-end to TO BE Elbow LISTEI 1MNS	OM ELBOW SIDE NDE-610, UT FROM END NDE-600 DONE WITH B05.070.005 THIS WELD WAS D AS A B05.130.010 PRIOR TO SGR REF. -078 This examination is required to meet the ements of PIP G-01-00168. Inspect in year
B09.011.075 1NC1F-3-3 Circumferential Class A <u>Total B09.011 Items: 2</u> Total B09 Items: 2	NC MC 1676-4 NDE-600 2.500 SAFE MC 1676-01.07 S/G 1C Outlet Safe-end to TO BE Elbow WAS L REF. 1 meet ti	OM ELBOW SIDE NDE-610, UT FROM END NDE-600 DONE WITH B05.070.006 THIS WELD ISTED AS A B05.130.011 PRIOR TO SGR MNS-078 This examination is required to he requirements of PIP G-01-00168. Inspect or 2002.

4.0 <u>Results Of Inspections Performed</u>

The results of each examination shown in the final Inservice Inspection Plan (Section 3 of this report) are included in this section. The completion date and status for each examination are shown. All examinations revealing reportable indications and any corrective action required as a result are described in further detail in Subsection 4.1 and 4.2. Corrective measures performed and limited examinations are described in further detail in Subsections 4.3 and 4.4.

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

ITEM NUMBER	=	ASME Section XI Tables IWB-2500-1 (Class 1), IWC-2500-1 (Class 2), IWF- 2500-1 (Class 1 and Class 2), Augmented Requirements
ID NUMBER	=	Unique Identification Number
SYS	=	Component System Identification
INSP DATE	=	Date of Examination
INSP STATUS	=	CLR Clear REC Recordable REP Reportable
INSP LIMITED	=	Indicates inspection was limited. Coverage obtained is listed
Geo. Ref. (Geometric Reflector applies only to UT)	=	Y Yes <u>N</u> No Y Yes
RFR (Relief Request)		<u>N</u> No
COMMENTS	=	General and / or Detail Description

EOC 15

Plant: McGuire 1

DUKE ENERGY Q 'ORATION QUALITY ASSURANCE TELANICAL SERVICES In-Service Inspection Database Management System

Run D Page 1 12/11/2002

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Plant: McGuire	1				erval 2 Outage	tion Listing		•	Pa 12/11/2
ITEM NUMBER	ID NUMBER	SYSTEM	INSP DATE		•		RFR	COMMENTS	
B09.011.074	1NC1F-3-2	NC	09/21/2002	REC		Ŷ	N		•
B09.011.075	1NC1F-3-3	NC	09/21/2002	REC		Y	N		

4.1 <u>Reportable Indications</u>

There were no reportable indications for the examinations associated with this report period.

4.2 Corrective Action

Corrective action is action taken to resolve flaws and relevant conditions, including supplemental examinations, analytical evaluations, repair / replacement activities, and corrective measures. There were no corrective actions for the examinations associated with this report period. PIP G-01-0168 was written at the end of 1EOC-14 to re-examine two welds to obtain additional coverage.

4.3 <u>Corrective Measures</u>

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.

Item Number

Request for Relief Serial Number

NONE

NONE

Outage8/EOC 15 McGuire Unit 1 Section 4

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.

No items were determined to have had work performed outside this report period. Reference Unit 1 EOC-15 Third Interval Owner's Report (Section 5.0) for additional information concerning NIS-2's originated during this time frame.

The NIS-2 forms included in this section were completed for work performed during this report period. NONE

The individual work request documents and manufacturers' data reports are on file at McGuire Nuclear Station. NONE

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 below is on file in the McGuire Nuclear Station QA Vault.

Work Order Number	Identification Number	ISI Class	Type of Inspection
NONE	N/A	N/A	N/A

6.0 <u>Pressure Testing</u>

/

This summary is a pressure test completion status for the third period of the second tenyear interval. Table 6-1 shows the second ten-year pressure tests completed from refueling outage EOC-14 through refueling outage EOC-15. There were no relevant conditions observed during these pressure tests.

Table 6-1				
Examination Category	Test Requirement	Total Completed		
B-E	System Hydrostatic Test (IWB-5222)	0		
B-P	System Leakage Test (IWB-5221)	0		
B-P	System Hydrostatic Test (IWB-5222)	0		
		2.1993:9332·375444-37544-3754		
С-Н	System Inservice/Functional Test (IWC-5221)	0		
С-Н	System Hydrostatic Test (IWC-5222)	26		

Table 6-2 shows a completion status of pressure tests conducted during the third period of the second ten-year interval.

		Table 6-2		
Examination Category	Test Requirement	Total Examinations Required For This Period	Total Examinations Credited For This Period	(%) Examinations Complete For This Period
B-E	System Hydrostatic Test (IWB-5222)	3	3	100%
				¥-782、公理告/·
B-P	System Leakage Test (IWB-5221)	0	0	0%
B-P	System Hydrostatic Test (IWB-5222)	1	1	100%
	·····································	医 有效的 医鼻腔的 网络		联合国集美的 国本
С-Н	System Inservice/Functional Test (IWC-5221)	0	0	0%
С-Н	System Hydrostatic Test (IWC-5222)	46	46	100%

A detailed status listing of the 26 hydrostatic tests listed as pending for the third period in the previous summary report is located in subsection 6.1 of this report. Results of these hydrostatic tests are located in subsection 6.2 of this report.

Table 6-3 shows the pressure tests conducted during the grace period used at the end of the second ten-year interval.

Table 6-3				
Item Number	ISI Drawing	Type of Test		
C07.040.018	MCH-1561-1.0	Hydrostatic		
C07.040.021	MCH-1562-2.1	Hydrostatic		
C07.040.022	MCH-1562-3.0	Hydrostatic		
C07.040.036	MCH-1573-3.1	Hydrostatic		

6.1 <u>Required Second Ten-Year Pressure Test Examinations Needed To Complete</u> <u>The Third Period:</u>

A listing of the pending Class 2 hydrostatic test required to complete the third period of the second ten-year interval is included in this section.

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

Item Number	I	The unique number assigned to track certain systems or portions of systems that make up a pressure test.
ISI Drawing	=	Detail drawing of pressure test boundary.
Required Test	=	The required tests for each item number – (e.g. Leakage Test, Inservice Test, Functional Test, or Hydrostatic Test).
System Name	=	Name of pressure retaining component system
Required Inspection	=	Type of visual examination required.
Required Procedure	=	Required inspection procedure.
Comments	=	General and/or Detail Description

Outage 8/EOC 15 McGuire Unit 1 Section 6 – Second Ten-Year Interval

1

Duke Power Company - McGuire Unit 1 Pressure Testing Item Number Listing

Outage 15

Item Number	ISI Drawing	Required Test	System Name	Required Inspection	Required Procedure	Comments
C07.040.003	MCH-1553-2.1	HYDRO	NC SYSTEM	VT-2	QAL-15	Class B penetrations M-212, M-216 and M-274
C07.040.005	MCH-1554-1.0	HYDRO	NV SYSTEM	VT-2	QAL-15	Class B penetrations M-339 and M-350
C07.040.006	MCH-1554-1.1	HYDRO	NV SYSTEM	VT-2	QAL-15	Class B penetrations M-256, M-343 and M-344
C07.040.007	MCH-1554-1.2	HYDRO	NV SYSTEM	VT-2	QAL-15	Class B penetrations M-228, M-329 and M-347
C07.040.009	MCH-1554-2.0	HYDRO	NV SYSTEM	VT-2	QAL-15	
C07.040.010	MCH-1554-3.0	HYDRO	NV SYSTEM	VT-2	QAL-15	
C07.040.011	MCH-1554-3.1	HYDRO	NV SYSTEM	VT-2	QAL-15	
C07.040.013	MCH-1554-5.0	HYDRO	NV SYSTEM	VT-2	QAL-15	
C07.040.018	MCH-1561-1.0	HYDRO	ND SYSTEM	VT-2	QAL-15	VT-2 Examination of C02.033.001 and C02.033.002 Telltale Hole also required
C07.040.019	MCH-1562-1.0	HYDRO	NI SYSTEM	VT-2	QAL-15	Class B penetration M-351
C07.040.021	MCH-1562-2.1	HYDRO	NI SYSTEM	VT-2	QAL-15	Class B penetration M-321
C07.040.022	MCH-1562-3.0	HYDRO	NI SYSTEM	VT-2	QAL-15	Class B penetration M-277, M-316 and M-319
C07.040.023	MCH-1562-3.1	HYDRO	NI SYSTEM	VT-2	QAL-15	Class B penetration M-278, M-302, M-306, M-336 and M-352
C07.040.024	MCH-1563-1.0	HYDRO	NS SYSTEM	VT-2	QAL-15	VT-2 Examination of C02.033.005 and C02.033.006 Telltale Hole also required
C07.040.030	MCH-1571-1.0	HYDRO	FW SYSTEM	VT-2	QAL-15	Class B penetrations M-358 and M-377
C07.040.031	MCH-1572-1.0	HYDRO	NM SYSTEM	VT-2	QAL-15	Class B penetrations M-235 and M-309
C07.040.036	MCH-1573-3.1	HYDRO	KC SYSTEM	VT-2	QAL-15	Class B penetrations M-217, M-218, M-320, M-327, M-355 and M-376

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Duke Power Company - McGuire Unit 1 Pressure Testing Item Number Listing

Outage 15

Item Number	ISI Drawing	Required <u>Test</u>	System Name	Required Inspection	Required Procedure	Comments
C07.040.039	MCH-1584-1.0	HYDRO	CA SYSTEM		QAL-15	
C07.040.040	MCH-1591-1.1	HYDRO	CF SYSTEM	VT-2	QAL-15	Class B penetrations M-153, M-262, M-308 and M-440
C07.040.041	MCH-1592-1.0	HYDRO	CA SYSTEM	VT-2	QAL-15	Class B penetrations M-156, M-286, M-465 and M-3100
C07.040.042	MCH-1574-4.0	HYDRO	RN SYSTEM	VT-2	QAL-15	Class B penetration M-307 and M-315
C07.040.043	MCH-1593-1.0	HYDRO	SM/SV SYSTEM	VT-2	QAL-15	Class B penetrations M-154 and M-261
C07.040.044	MCH-1593-1.2	HYDRO	SA/TE SYSTEM	VT-2	QAL-15	
C07.040.045	MCH-1593-1.3	HYDRO	SM/SV SYSTEM	VT-2	QAL-15	Class B penetrations M-393 and M-441
C07.040.048	MCH-1604-3.0	HYDRO	RV SYSTEM	VT-2	QAL-15	Class B penetrations M-240, M-279, M-385 and M-390
C07.040.054	MCH-1617-1.0	HYDRO	CA SYSTEM	VT-2	QAL-15	

6.2 <u>Examination Results For Second Ten-Year Pressure Test Examinations Needed</u> <u>To Complete The Third Period:</u>

The results of each Class 2 pressure test and associated VT-2 Visual Examination conducted to complete the third period of the second ten-year interval are included in this section.

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

Item Number	=	The unique number assigned to track certain extremity valves that make up a test
ISI Drawing	=	Detail drawing of pressure test boundary
Required Test	=	The required tests for each item number – (e.g. Leakage Test, Inservice Test, Functional Test, or Hydrostatic Test).
Test Status	H	Complete or Partial
Test Result	=	Clear (No Evidence Of Leakage), Reportable (Evidence Of Leakage - Not Through Wall such as packing leak), Reportable (Evidence Of Through Wall Leakage)
VT-2 Date	=	Date VT-2 visual examination was performed

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Duke Power Company - McGuire Unit 1 Pressure Testing VT-2 Results For Outage 15

Item Number	ISI Drawing	Required Test	Test Status	Test Result	VT-2 Date	Comments
C07.040.003	MCH-1553-2.1	HYDRO	COMPLETE	CLEAR	11/29/2001	Class B penetrations M-212, M-216 and M-274
C07.040.005	MCH-1554-1.0	HYDRO	COMPLETE	CLEAR	11/15/2001	Class B penetrations M-339 and M-350
C07.040.006	MCH-1554-1.1	HYDRO	COMPLETE	CLEAR	11/15/2001	Class B penetrations M-256, M-343 and M-344
C07.040.007	MCH-1554-1.2	HYDRO	COMPLETE	CLEAR	11/29/2001	Class B penetrations M-228, M-329 and M-347
C07.040.009	MCH-1554-2.0	HYDRO	COMPLETE	CLEAR	11/15/2001	
C07.040.010	MCH-1554-3.0	HYDRO	COMPLETE	CLEAR	11/20/2001	
C07.040.011	MCH-1554-3.1	HYDRO	COMPLETE	CLEAR	11/29/2001	
C07.040.013	MCH-1554-5.0	HYDRO	COMPLETE	RECORDABLE	11/15/2001	
C07.040.018	MCH-1561-1.0	HYDRO	COMPLETE	CLEAR	09/17/2002	VT-2 Examination of C02.033.001 and C02.033.002 Telltale Hole also required
C07.040.019	MCH-1562-1.0	HYDRO	COMPLETE	CLEAR	11/15/2001	Class B penetration M-351
C07.040.021	MCH-1562-2.1	HYDRO	COMPLETE	CLEAR	09/30/2002	Class B penetration M-321
C07.040.022	MCH-1562-3.0	HYDRO	COMPLETE	CLEAR	09/30/2002	Class B penetration M-277, M-316 and M-319
C07.040.023	MCH-1562-3.1	HYDRO	COMPLETE	CLEAR	11/29/2001	Class B penetration M-278, M-302, M-306, M-336 and M-352
C07.040.024	MCH-1563-1.0	HYDRO	COMPLETE	CLEAR	11/29/2001	VT-2 Examination of C02.033.005 and C02.033.006 Telltale Hole also required
C07.040.030	MCH-1571-1.0	HYDRO	COMPLETE	CLEAR	11/21/2001	Class B penetrations M-358 and M-377
C07.040.031	MCH-1572-1.0	HYDRO	COMPLETE	CLEAR	11/29/2001	Class B penetrations M-235 and M-309
C07.040.036	MCH-1573-3.1	HYDRO	COMPLETE	CLEAR	10/03/2002	Class B penetrations M-217, M-218, M-320, M-327, M-355 and M-376

Duke Power Company - McGuire Unit 1 Pressure Testing VT-2 Results For Outage 15

Item Number	ISI Drawing	Required	Test Status	Test Result	VT-2 Date	Comments
C07.040.039	MCH-1584-1.0	HYDRO	COMPLETE	CLEAR	11/28/2001	
C07.040.040	MCH-1591-1.1	HYDRO	COMPLETE	CLEAR	11/28/2001	Class B penetrations M-153, M-262, M-308 and M-440
C07.040.041	MCH-1592-1.0	HYDRO	COMPLETE	CLEAR	11/28/2001	Class B penetrations M-156, M-286, M-465 and M-3100
C07.040.042	MCH-1574-4.0	HYDRO	COMPLETE	CLEAR	11/29/2001	Class B penetration M-307 and M-315
C07.040.043	MCH-1593-1.0	HYDRO	COMPLETE	CLEAR	11/29/2001	Class B penetrations M-154 and M-261
C07.040.044	MCH-1593-1.2	HYDRO	COMPLETE	CLEAR	11/29/2001	
C07.040.045	MCH-1593-1.3	HYDRO	COMPLETE	CLEAR	11/29/2001	Class B penetrations M-393 and M-441
C07.040.048	MCH-1604-3.0	HYDRO	COMPLETE	CLEAR	11/29/2001	Class B penetrations M-240, M-279, M-385 and M-390
C07.040.054	MCH-1617-1.0	HYDRO	COMPLETE	CLEAR	11/28/2001	

	FORM NIS-1 OWNER'S DATA REPORT FOR INSERVICE INSPECTIONS									
As required by the Provisions of the ASME Code Rules										
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	1. Own	er: <u>Duk</u>	e Energy		ation, 526 S. Churc ne and Address of (<u>NC 28201-1006</u>			
:	2. Plant	:: <u>McG</u>	iuire Nuo		tion, Highway 73 C		28216			
					ne and Address of					
		Unit:	<u>1</u>		wner Certificate of A	·				
į	5. Comi	mercia	I Service	Date: <u>D</u>	ecember 1, 1981	6. National Board	d Number for Unit			
-	7. Com	ponent	s Inspec	ted:						
	Compone Appurter			cturer or aller	Manufacturer or Installer Serial No.	State or Province No.	National Board No.			
				See Sec	cti <u>on 1.1 in the A</u> ttach	ed Report				
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FORM NIS-1 (Back)

•	З.	Examination Dates April 18, 200	1 to October 10, 2002
/	9.	Inspection Period Identification:	First period
	10.	Inspection Interval Identification:	Third Interval
	11.	Applicable Edition of Section XI	1995 Addenda 1996
	12.	Date/Revision of Inspection Plan:	May 22, 2001 / Revision 0
	13.		lude a list of examinations and tests and a statement e Inspection Plan. <u>See Sections 2.0, 3.0, and 6.0</u>
	14.	Abstract of Results of Examinations and	Tests. See Section 4.0, and 6.0
	15.	Abstract of Corrective Measures.	ee Section 4.3
	Inspe		report are correct b) the examinations and tests meet the e, Section XI, and c) corrective measures taken conform to
	Certif	ficate of Authorization No. (if applicable)	N/A Expiration Date N/A
	Date		<u>ke Energy Corp</u> . By <u>L. Levin</u> <u>Physe</u> Owner
	I, the Inspe <u>Conn</u> <u>4-(</u> Owne Repo By sig implie Furth prope Insp Date * The 200 A Suite Atlant (800)	ectors and the State of Province of \underline{M} <u>ectors</u> to $\underline{12-18-02}$, and er has performed examinations and tests a pring this certificate neither the Inspector Plans end, concerning the examinations, test, and ermore, neither the Inspector nor his emp erty damage or a loss of any kind arising for <u>ector's Signature</u> Commissions National Board <u>Commissions</u> National Board <u>Commissions</u> Commissions National Board <u>Commissions</u> National Board <u>Commissions</u> National Board <u>Commissions</u> <u>Commissions</u> National Board	escribed in this Owners' Report during the period d state that to the best of my knowledge and belief, the and taken corrective measures described in the Owners' and as required by the ASME Code, Section XI. nor his employer makes any warranty, expressed or d corrective measures described in this Owners' Report. Hoyer shall be liable in any manner for any personal injury or rom or connected with this inspection $\underline{NB7728, N2853, N-T}$, State, Province, and Endorsements

OWNER'S REPORT FOR INSERVICE INSPECTIONS

MCGUIRE UNIT 1

2002 REFUELING OUTAGE 1/EOC 15

Location: McGuire Nuclear Station Highway 73 Cowans Ford, North Carolina 28216

NRC Docket No. 50-369

National Board No. 44

Commercial Service Date: December 1, 1981

Document Completion Date: 12/18/2002

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

Revision 0

Prepared By:	Jary Underwood	Date	12/16/02
Reviewed By:	Rarry Co Keith	_ Date	12-17-02
~ Approved By:	-R. Kevin, Rhyne	_ Date	12/17/02

DISTRIBUTION LIST

- 1. Duke Energy Corporation Inservice Inspection Plan Management (Original Copy)
- 2. McGuire Work Control / QA Technical Support
- 3. NRC Document Control Desk
- 4. Hartford Steam Boiler Inspection and Insurance Corporation of Connecticut (AIA) c/o ANII. At McGuire
- 5. State of North Carolina Department of Labor c/o J. M. Givens, Jr.
- \mathcal{I}
- 6. Nuclear GO Regulatory & Industrial Affairs c/o L. E. Burba

TABLE OF CONTENTS

Section	Title	Revision
1.	General Information	0
2.	Third Ten-Year Interval Inspection Status	0
3.	Final Inservice Inspection Plan	0
4.	Results of Inspections Performed	0
5.	Owner's Report for Repair / Replacement Activities	0
6.	Pressure Testing	0

1.0 General Information

This report describes the Inservice Inspection of Duke Energy Corporation's McGuire Nuclear Station Unit 1 during Outage 1 / EOC 15. This is the first outage of the First Inspection Period of the Third Ten-Year Interval. ASME Section XI, 1995 Edition through the 1996 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 action(s) taken when reportable conditions were found. In addition, there is an Owner's Report for Repair / Replacement section included for complete NIS-2 documentation of repairs and replacements.

ltem	Manufacturer or Installer	Manufacturer or Installer Serial No.	State or Province No.	National Board No.
Reactor Vessel	Combustion Engineering	CE67102	NC-178379	20766
Pressurizer	Westinghouse	1471	NC-178395	68-123
Steam Generator 1A	BWI	7701-04	NC-302668	157
Steam Generator 1B	BWI	7693-01	NC-302669	146
Steam Generator 1C	BWI	7701-03	NC-302670	155
Steam Generator 1D	BWI	7701-02	NC-302671	154
Centrifugal Charging Pump	Pacific Pumps	1A - 48582 1B - 48583	N/A	19 22
Containment Spray Heat Exchanger	Delta Southern Co.	1A-35005-73-1 1B-35005-73-2	NC-147799 NC-147796	3394 3395

1.1 Identification Numbers

Outage 1/EOC 15 McGuire Unit 1 Section 1 Page 1 of 5 Revision 0 December 16, 2002 1

1.1 Identification Numbers

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Continued

ltem	Manufacturer or Installer	Manufacturer or Installer Serial No.	State or Province No.	National Board No.
Excess Letdown Heat Exchanger	Westinghouse	1809	NC-187817	1554
Letdown Heat Exchanger	Joseph Oat & Sons, Inc.	2049-2A	NC-187881	552
Reciprocating Charging Pump	Westinghouse	N721031B-603	N/A	N/A
Reactor Coolant Pump	Westinghouse	1A 1-114E841G01 1B 2-114E841G01 1C 3-114E841G01 1D 4-114E841G01	N/A	N/A
Reciprocating Charging Pump Accumulator	Metal Bellows Company	74730-001	N/A	001
Reciprocating Charging Pump Suction Stabilizer	Richmond Engineering Supply Co.	N-2409.10	N/A	75219
Residual Heat Removal Heat Exchanger	Joseph Oat & Sons, Inc.	1A 2046-2A 1B 2046-2A	NC-234202 NC-234201	635 636
Safety Injection Pump	Pacific Pumps	1A 49355 1B 49356	N/A	80 81
Regenerative Heat Exchanger	Joseph Oat & Sons, Inc.	2047-2A	NC-187897	595 596 597
Seal Water Heat Exchanger	Atlas Industrial Manufacturing Company	1766	NC 169797	1548
Seal Water Injection Filter	AMF Cuno	1A - 13 1B - 14	N/A	3822 3823

1.1 Identification Numbers

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Continued

Item	Manufacturer or Installer	Manufacturer or Installer Serial No.	State or Province No.	Nationa Board No.
Main Steam Supply to Auxiliary Equipment System	Duke Power Co.	SA	N/A	4
Containment Air Release and Addition System	Duke Power Co.	VQ	N/A	12
Main Steam System	Duke Power Co.	SM	N/A	17
Main Steam Vent to Atmosphere System	Duke Power Co.	SV	N/A	18
Reactor Coolant System	Duke Power Co.	NC	N/A	28
Liquid Waste Recycle System	Duke Power Co.	WL	N/A	29
Refueling Water System	Duke Power Co.	FW	N/A	31
Auxiliary Feedwater System	Duke Power Co.	CA	N/A	32
Residual Heat Removal System	Duke Power Co.	ND	N/A	35
Nuclear Service Water System	Duke Power Co.	RN	N/A	36
Chemical & Volume Control System	Duke Power Co.	NV	N/A	37
Component Cooling System	Duke Power Co.	кс	N/A	38
Main Feedwater System	Duke Power Co.	CF	N/A	39
Containment Spray System	Duke Power Co.	NS	N/A	40

1.1 Identification Numbers

Continued

ltem	Manufacturer or Installer	Manufacturer or Installer Serial No.	State or Province No.	National Board No.
Containment Ventilation Cooling Water System	Duke Power Co.	RV	N/A	41
Safety Injection System	Duke Power Co.	NI	N/A	42
Containment Purge Ventilation	Duke Power Co.	VP	N/A	6
Safety Injection Accumulator Tank 1A	Delta Southern Co.	41617-72-1	NC-178396	3038
Safety Injection Accumulator Tank 1B	Delta Southern Co.	41617-72-2	NC-178397	3039
Safety Injection Accumulator Tank 1C	Delta Southern Co.	41617-72-3	NC-178398	3040
Safety Injection Accumulator Tank 1D	Delta Southern Co.	41617-72-4	NC-178399	3041
Unit 1	Duke Power Co.	N/A	N/A	44

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 1995 Edition of ASME Section XI with the 1996 Addenda including Appendix VII for ultrasonic inspections. In addition, ultrasonic examiners were qualified in accordance with ASME Section XI, Appendix VIII, and 1995 Edition with the 1996 Addenda through the Performance Demonstration Initiative (PDI) for similar metal piping welds.

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

Outage 1/EOC 15 McGuire Unit 1 Section 1 Page 4 of 5 Revision 0 December 16, 2002

1.3 <u>Reference Documents</u>

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

- 1. RFR 01-004 (Class 1, 2 and 3 snubber examination under station technical specification)
- 2. RFR 01-005 (Risk Informed Inservice Inspection Program Submittal)
- 3. RFR 01-008 (Risk Informed ISI Alternative to Use VT-2 Instead of Volumetric Examination of Socket Welds)
- 4. RFR 02-004 (Weld coverage limitations for this outage)
- 5. Code Case N-460 (Alternative Examination Coverage For Class 1 and Class 2 Welds)
- 6. RFR-01-GO-002 to use Code Case N-416-2 "Alternative Pressure Test Requirement for Welded Repairs, Fabrication Welds for Replacement Parts and Piping Subassemblies, or Installation of Replacement Items by Welding, Class 1, 2 and 3 Section XI, Division 1."

1.4 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 Inservices Inspectior(s)

Name: R. D. Klein

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

Outage 1/EOC 15 McGuire Unit 1 Section 1 Page 5 of 5 Revision 0 December 16, 2002

2.0 Third Ten-Year Interval Inspection Status

The completion status of inspections required by the 1995 ASME Code Section XI through the 1996 Addenda is summarized in this section. The requirements are listed by the ASME Section XI Examination Category as defined in Table IWB-2500-1 for Class 1 Inspections, Table IWC-2500-1 for Class 2 Inspections and IWF-2500-1 for Class 1, 2, and 3 Component Supports. Augmented and Risk Informed inspections are also included.

During the McGuire Third 10 Year Interval piping welds will be examined under the Risk Informed Inservice Inspection program developed in accordance with methodology contained in the Westinghouse Owner's Group (WOG) Topical Report, WCAP-14572, Revision 1-NP-A. Request for Relief 01-005 was submitted to the NRC seeking approval to incorporate the Risk Informed Program into the Third 10 Year Interval ISI Plan for McGuire Unit 1. The NRC approved use of this program per SER dated June 12, 2002. Previous code examination Categories B-F, B-J, C-F-1, and C-F-2 will now be combined under the new Risk Informed Category R-A.

Examination Category	Description	Inspections Required	Inspections Completed	Percentage Completed	⁶ Deferral Allowed
B-A	Pressure Retaining Welds in Reactor Vessel	28	2	7.14%	Yes
В-В	Pressure Retaining Welds in Vessels Other than Reactor Vessel	5	0	0.00%	No
B-D	Full Penetration Welded Nozzles in Vessels Inspection Program B	36	0	0.00%	Partial
B-F	Pressure Retaining Dissimilar Metal Welds in Vessel Nozzles	Reference Risk Informed Program R01. Items			
B-G-1	Pressure Retaining Bolting Greater than 2 " in Diameter	243	82	33.74%	No

Class	1	Inspections
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Class 1 Inspections

(Continued)

Examination Category	Description	Inspections Required	Inspections Completed	Percentage Completed	⁶ Deferral Allowed
B-G-2	Pressure Retaining Bolting 2" and Less in Diameter	15	0	0.00%	No
B-J	Pressure Retaining Welds in Piping	Reference Risk Informed Program R01. Items			
В-К	Integral Attachments for Piping, Pumps and Valves	6	0	0.00%	No
B-L-1	Pressure Retaining Welds in Pump Casings	N/A	N/A	N/A	Yes
B-L-2	Pump Casings	1	0	0.00%	Yes
B-M-1	Pressure Retaining Welds in Valve Bodies	N/A	N/A	N/A	Yes
B-M-2	Valve Body > 4 in. Nominal Pipe Size	7	0	0.00%	Yes
B-N-1	Interior of Reactor Vessel	3	0	0.00%	No
B-N-2	Integrally Welded Core Support Structures and Interior Attachments to Reactor Vessels	2	0	0.00%	Yes
B-N-3	Removable Core Support Structures	1	0	0.00%	Yes
B-0	Pressure Retaining Welds in Control Rod Housings	3	1	33.33%	Yes

Class 1 Inspections (Continued)

Examination Category	Description	Inspections Required	Inspections Completed	Percentage Completed	⁶ Deferral Allowed
B-P	All Pressure Retaining Components	REFERENCE SECTION 6.0 OF THIS REPORT			
B-Q	Steam Generator Tubing	See Note Below			
F-A F01.010	Class 1 Component Supports	68	11	16.17%	No

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

⁶Deferral of inspection to the end of the interval as allowed by ASME Section XI Tables IWB 2500-1. These examination categories are exempt from percentage requirements per IWB-2412 (a), Inspection Program B.

Outage 1/EOC 15 McGuire Unit 1 Section 2

Class 2 Inspections

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Examination Category	Description	Inspections Required	Inspections Completed	Percentage Completed	⁶ Deferral Allowed
C-A	Pressure Retaining Welds in Pressure Vessels	26	2	7.69%	No
С-В	Pressure Retaining Nozzle Welds in Vessels	9	2	22.22%	No
C-C	Integral Attachments for Vessels, Piping, Pumps and Valves	32	4	12.50%	No
C-D	Pressure Retaining Bolting Greater Than 2" in Diameter	N/A	N/A	N/A	N/A
C-F-1	Pressure Retaining Welds in Austenitic Stainless Steel or High Alloy Piping	Reference Risk Informed Program R01. Items			
C-F-2	Pressure Retaining Welds in Carbon or Low Alloy Steel Piping	Reference Risk Informed Program R01. Items			
C-G	Pressure Retaining Welds in Pumps and Valves	3	1	33.33%	No
С-Н	All Pressure Retaining Components	REFERENCE SECTION 6.0 OF THIS REPORT			PORT
F-A F01.020	Class 2 Component Supports	225	35	15.55%	No

Additional Component Support Examinations Class 1, 2 & 3

Examination Category	Description	Inspections Required	Inspections Completed	Percentage Completed	⁶ Deferral Allowed
F-A F01.040	Supports other than Piping Supports Class 1, 2 & 3	46	6	13.04%	No
F01.050	Component Supports, Snubbers Class 1, 2 & 3			*	No

⁶Deferral of inspection to the end of the interval as allowed by ASME Section XI Tables IWB-2500-1 and IWC-2500-1.

* Examinations to be performed per Request for Relief 01-004

Risk Informed Inservice Inspection Program Class 1 and 2

Examination	Description	Inspections	Inspections	Percentage	⁶ Deferral
Category		Required	Completed	Completed	Allowed
R-A	Piping Examinations Class 1 and 2	99	15	15.15%	No

Augmented Inspections

Description	Percentage Complete
Reactor Coolant Pump Flywheels (Item No. Series G01.)	No Examinations required for Outage 1 / EOC-15
Pipe Rupture Protection (Item No. Series G03.)	No Examinations required for Outage 1 / EOC-15
Reactor Vessel Head to Pipe Welds (Item No. Series G04.)	Examinations added to address future industry concerns.

3.0 Final Inservice Inspection Plan

The final Inservice Inspection Plan shown in this section lists all ASME Section XI Class 1 and Class 2, and Augmented and Risk Informed examinations credited for this report period.

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

ITEM NUMBER	=	ASME Section XI Tables IWB-2500-1 (Class 1), IWC-2500-1 (Class 2), IWF-2500-1 (Class 1 and Class 2), Augmented and Risk Informed Requirements
ID NUMBER	=	Unique Identification Number
SYS	=	Component System Number
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

EQC 15			($\left(\right)$				
CATEGORY B-A, Pressure Re in Reactor Vessel Shell-to-Flange Weld	DUKE ENERGY CORPORATION taining Welds INSERVICE INSPECTION PLAN MANAGEMENT Inservice Inspection Database Management System McGuire 1							Plan Report
ITEM NUMBER ID NUMBER	Inse SYS ISO/DWG NUMBERS	COMMENTS	Page 1 12/11/2002					
B01.030.001 1RPV 7-442 Circumferential Class A	MCM 1201.01-146 MCM 1201.01-223	NDE-350	UT	CS	0.000 10.700	50304	NOZZLE BELT TO FLANGE PC. 454-01 TO PC. 442-06 UT FROM FLANGE SURFACE	

EOC 15					(((
CATEGORY B		ure Retainir		DUKE I SERVICE INS vice In s pect		Plan Report				
Head-to-Flang	<u>te Weld</u>					Page 2				
				e <mark>rvice Ins</mark> p	ection Pl	an for Interv	val 3 Outage	1		12/11/2002
ITEM NUMBER		BER SYS	ISO/DWG NUMBERS	PROC	INSP RE	EQ MAT/SCH	DIA/THK CAL	BLOCKS	COMMENTS	
	/ 6-446A Imferential		MCM 1201.01-204 MCM 1201.01-225	NDE-360	UT	CS	0.000 7.300	50376	CLOSURE HEAD TO FLANGE PC. 446-02 TO PC. 446-03	
B01.040.001A 1RPV Circu Class A	/ 6-446A Imferential		MCM 1201.01-204 MCM 1201.01-225	NDE-25	MT	CS	0.000 7.300		CLOSURE HEAD TO FLANGE PC. 446-02 TO PC. 446-03	
Total B01.040 Ite	ems: 2									
Total B01 Items:	3	}								

FOC	15	

Reactor Vess	el			McGuir		·			Plan Report Page 3		
Inservice Inspection Plan for Interval 3 Outage 1											
ITEM NUMBER ID NUMBER SYS ISO/DWG NUMBERS PROC INSP REQ MAT/SCH DIA/THK CAL BLOCKS COMMENTS											
**** Closure Hea	and the second	· · · · · · · · · · · · · · · · · · ·									
B06.010.001 1RP\	/-449-02-01	MCM 1201.01-204 MCM 1201.01-206	QAL-13	VT-1	CS	10.540 1.770	*****	CLOSURE HEAD NUT			
B06.010.002 1RP\	/-449-02-02	MCM 1201.01-204 MCM 1201.01-206	QAL-13	VT-1	CS	10.540 1.770		CLOSURE HEAD NUT			
B06.010.003 1RP\	/-449-02-03	MCM 1201.01-204 MCM 1201.01-206	QAL-13	VT-1	CS	10.540 1.770	•••••	CLOSURE HEAD NUT			
306.010.004 1RP\	/-449-02-04	MCM 1201.01-204 MCM 1201.01-206	QAL-13	VT-1	CS	10.540 1.770		CLOSURE HEAD NUT			
306.010.005 1RP\	/-449-02-05	MCM 1201.01-204 MCM 1201.01-206	QAL-13	VT-1	CS	10.540 1.770		CLOSURE HEAD NUT			
306.010.006 1RP\	/-449-02-06	MCM 1201.01-204 MCM 1201.01-206	QAL-13	VT-1	CS	10.540 1.770	*****	CLOSURE HEAD NUT			
306.010.007 1RP\	/-449-02-07	MCM 1201.01-204 MCM 1201.01-206	QAL-13	VT-1	CS	10.540 1.770		CLOSURE HEAD NUT			
B06.010.008 1RPV	/-449-02-08	MCM 1201.01-204 MCM 1201.01-206	QAL-13	VT-1	CS	10.540 1.770		CLOSURE HEAD NUT			

Total B06.010 Items: 8

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EOC 15

EOC 15												
CATEGORY B-G-1, Pressu	re Retaining	DUKE E	ENERGY	CORPOR	ATION ANAGEMENT							
Bolting, Greater than 2" In	Diameter Inserv	vice inspecti	on Datab	ase Mana	gement System			-				
Reactor Vessel			McGui					Plan Report Page 4				
Inservice Inspection Plan for Interval 3 Outage 1												
ITEM NUMBER ID NUMBER SYS ISO/DWG NUMBERS PROC INSP REQ MAT/SCH DIA/THK CAL BLOCKS COMMENTS												
**** Closure Studs, when remov	/ed ****											
B06.030.001 1RPV-449-01-01	MCM 1201.01-204 MCM 1201.01-206	PDI-UT-5	UT	CS	7.000 50 57.688	501	CLOSURE STUD					
Class A												
B06.030.001A 1RPV-449-01-01	MCM 1201.01-204	NDE-25	MT	CS	7.000		CLOSURE STUD					
Class A	MCM 1201.01-206				57.688							
B06.030.002 1RPV-449-01-02	MCM 1201.01-204	PDI-UT-5	UT	CS	7.000 50	501	CLOSURE STUD					
Class A	MCM 1201.01-206				57.688							
B06.030.002A 1RPV-449-01-02	MCM 1201.01-204	NDE-25	MT	CS	7.000		CLOSURE STUD					
Class A	MCM 1201.01-206				57.688							
B06.030.003 1RPV-449-01-03	MCM 1201.01-204	PDI-UT-5	UT	CS	7.000 50	501	CLOSURE STUD					
Class A	MCM 1201.01-206				57.688							
306.030.003A 1RPV-449-01-03	MCM 1201.01-204	NDE-25	MT	CS	7.000		CLOSURE STUD	·····				
Class A	MCM 1201.01-206				57.688							
306.030.004 1RPV-449-01-04	MCM 1201.01-204	PDI-UT-5	UT	CS	7.000 50	501	CLOSURE STUD					
Class A	MCM 1201.01-206				57.688							
B06.030.004A 1RPV-449-01-04	MCM 1201.01-204	NDE-25	МТ	CS	7.000		CLOSURE STUD					
Class A	MCM 1201.01-206				57.688							

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EOC 15		DUKEE	NERGY C	ORPOR	RATION			
CATEGORY B-G-1, Pressure	Retaining INS				MANAGEMENT			
Bolting, Greater than 2" in D	liameter Inserv	vice inspection	on Databa	ase Mar	nagement System			Plan Report
Reactor Vessel			McGui	re 1				Page 5
	Inse	ervice Inspe	ection Pl	a n for l	Interval 3 Outage 1			12/11/2002
ITEM NUMBER ID NUMBER	SYS ISO/DWG NUMBERS	PROC			SCH DIA/THK CAL BL		MENTS	
B06.030.005 1RPV-449-01-05	MCM 1201.01-204	PDI-UT-5	UT	CS	7.000 505	501 CLOSL	JRE STUD	
	MCM 1201.01-206				57.688			
Class A								
B06.030.005A 1RPV-449-01-05	MCM 1201.01-204	NDE-25	MT	CS	7.000	CLOSI	JRE STUD	
	MCM 1201.01-206				57.688	01000		
Class A								
	· · · · · · · · · · · · · · · · · · ·			. <u>.</u>				
B06.030.006 1RPV-449-01-06	MCM 1201.01-204	PDI-UT-5	UT	CS	7.000 505	501 CLOSU	URE STUD	
Class A	MCM 1201.01-206				57.688			
Class A								
B06.030.006A 1RPV-449-01-06	MCM 1201.01-204	NDE-25	MT.	CS	7.000	CLOSI	URE STUD	
	MCM 1201.01-206				57.688			
Class A								
B00 000 007 40 DV 440 04 07								
B06.030.007 1RPV-449-01-07	MCM 1201.01-204 MCM 1201.01-206	PDI-UT-5	UT	CS	7.000 505 57.688	501 CLOSI	URE STUD	
Class A	MCM 1201.01-200				57.000			
B06.030.007A 1RPV-449-01-07	MCM 1201.01-204	NDE-25	МТ	CS	7.000	CLOS	URE STUD	·····
	MCM 1201.01-206				57.688			
Class A								
B06.030.008 1RPV-449-01-08	MCM 1201.01-204 MCM 1201.01-206	PDI-UT-5	UT	CS	7.000 50 57.688	501 CLOS	URE STUD	
Class A					57.000			
B06.030.008A 1RPV-449-01-08	MCM 1201.01-204	NDE-25	МТ	CS	7.000	CLOS	URE STUD	
	MCM 1201.01-206				57.688			
Class A								
B06.030.009 1RPV-449-01-09	MCM 1201.01-204	PDI-UT-5	UT	CS	7.000 50	501 CLOS	URE STUD	·
	MCM 1201.01-206	T DI VIV		~~	57.688			

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Class A

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EOC 15

DUKE ENERGY CORPORATION CATEGORY B-G-1, Pressure Retaining INSERVICE INSPECTION PLAN MANAGEMENT Bolting, Greater than 2" In Diameter Inservice Inspection Database Management System Plan Report **Reactor Vessel** McGuire 1 Page 6 Inservice Inspection Plan for Interval 3 Outage 1 12/11/2002 **ITEM NUMBER ID NUMBER** SYS ISO/DWG NUMBERS INSP REQ MAT/SCH DIA/THK CAL BLOCKS PROC COMMENTS B06.030.009A 1RPV-449-01-09 MCM 1201.01-204 MT CS NDE-25 7.000 **CLOSURE STUD** MCM 1201.01-206 57.688 Class A B06.030.010 1RPV-449-01-10 MCM 1201.01-204 PDI-UT-5 UT CS 7.000 50501 **CLOSURE STUD** MCM 1201.01-206 57.688 Class A B06.030.010A 1RPV-449-01-10 MCM 1201.01-204 NDE-25 MT CS 7.000 CLOSURE STUD MCM 1201.01-206 57.688 Class A B06.030.011 1RPV-449-01-11 MCM 1201.01-204 PDI-UT-5 UT CS 7.000 50501 **CLOSURE STUD** MCM 1201.01-206 57.688 Class A B06.030.011A 1RPV-449-01-11 MCM 1201.01-204 NDE-25 MT CS 7.000 **CLOSURE STUD** MCM 1201.01-206 57.688 Class A 22

Total B06.030 Items:

EOC 15	($\left(\right)$				(
	RY B-G-1, Pressure Greater than 2" In D		ERVICE INS	ENERGY SPECTION	N PLAN	RATION MANAGEMENT nagement System			Dian Day and		
Reactor	Vessel			McGu					Plan Report Page 7		
Inservice Inspection Plan for Interval 3 Outage 1											
		SYS ISO/DWG NUMBERS	PROC	INSP R	EQ MA	SCH DIATHK CAL B	LOCKS	COMMENTS			
	ts in Flange ****										
B06.040.001 Class A	1RPV-THREAD-01	MCM 1201.01-147 MCM 1201.01-206	NDE-340	UT	CS	7.000 40 12.000	0387	THREADS IN RPV FLANGE			
VILISS A											
B06.040.002	1RPV-THREAD-02	MCM 1201.01-147 MCM 1201.01-206	NDE-340	UT	CS	7.000 40	387	THREADS IN RPV FLANGE			
Class A						12.000					
B06.040.003	1RPV-THREAD-03	MCM 1201.01-147 MCM 1201.01-206	NDE-340	UT	CS	7.000 40	387	THREADS IN RPV FLANGE			
Class A						12.000					
B06.040.004	1RPV-THREAD-04	MCM 1201.01-147 MCM 1201.01-206	NDE-340	UT	CS	7.000 40 12.000	387	THREADS IN RPV FLANGE			
Class A						12.000					
B06.040.005	1RPV-THREAD-05	MCM 1201.01-147	NDE-340	UT	CS		387	THREADS IN RPV FLANGE			
Class A		MCM 1201.01-206				12.000					
B06.040.006	1RPV-THREAD-06	MCM 1201.01-147	NDE-340	UT	CS		387	THREADS IN RPV FLANGE			
Class A		MCM 1201.01-206				12.000					
B06.040.007	1RPV-THREAD-07	MCM 1201.01-147	NDE-340	UT	CS	7.000 40	387	THREADS IN RPV FLANGE			
Class A		MCM 1201.01-206				12.000					
B06.040.008	1RPV-THREAD-08	MCM 1201.01-147	NDE-340	UT	CS	7.000 40	387	THREADS IN RPV FLANGE			
Class A		MCM 1201.01-206				12.000					

EOC 15			DUKE E	NERGY	CORPOR	ATION					
	RY B-G-1, Pressure		SERVICE INS	PECTION	PLAN M	ANAGEMENT					
<u>Bolting, G</u>	Greater than 2" In D	iameter Inserv	vice Inspecti	on Datab	ase Mana	igement System			Plan Report		
Reactor	Vessel			McGu	ire 1				Page 8		
Inservice Inspection Plan for Interval 3 Outage 1											
ITEM NUMB		SYS ISO/DWG NUMBERS	PROC	INSP R	EQ MAT/S	SCH DIA/THK CAL	BLOCKS	COMMENTS			
	1RPV-THREAD-09	MCM 1201.01-147 MCM 1201.01-206	NDE-340	UT	CS	7.000 12.000	40387	THREADS IN RPV FLANGE			
Class A											
306.040.010	1RPV-THREAD-10	MCM 1201.01-147	NDE-340	UT	CS	7.000	40387	THREADS IN RPV FLANGE			
Class A		MCM 1201.01-206				12.000					
306.040.011	1RPV-THREAD-11	MCM 1201.01-147	NDE-340	UT	CS	7.000	40387	THREADS IN RPV FLANGE			
Class A		MCM 1201.01-206				12.000					
306.040.012	1RPV-THREAD-12	MCM 1201.01-147	NDE-340	UT	CS	7.000	40387	THREADS IN RPV FLANGE	······		
Class A		MCM 1201.01-206				12.000					
806.040.013	1RPV-THREAD-13	MCM 1201.01-147	NDE-340	UT	CS	7.000	40387	THREADS IN RPV FLANGE			
Class A		MCM 1201.01-206				12.000					
06.040.014	1RPV-THREAD-14	MCM 1201.01-147	NDE-340	UT	CS	7.000	40007				
Class A		MCM 1201.01-206	102-040	01	03	12.000	40387	THREADS IN RPV FLANGE			
306.040.015	1RPV-THREAD-15	MCM 1201.01-147 MCM 1201.01-206	NDE-340	UT	CS		40387	THREADS IN RPV FLANGE			
Class A						12.000					
306.040.016	1RPV-THREAD-16	MCM 1201.01-147	NDE-340	UT	CS	7.000	40387	THREADS IN RPV FLANGE			
Class A		MCM 1201.01-206				12.000					
306.040.017	1RPV-THREAD-17	MCM 1201.01-147	NDE-340	UT	CS	7 000	40287				
		MCM 1201.01-206	102-040	01	03	7.000 12.000	40387	THREADS IN RPV FLANGE			
Class A											

EOC 15 **DUKE ENERGY CORPORATION CATEGORY B-G-1, Pressure Retaining** INSERVICE INSPECTION PLAN MANAGEMENT Bolting, Greater than 2" In Diameter **Inservice Inspection Database Management System** Plan Report Reactor Vessel McGuire 1 Page 9 Inservice Inspection Plan for Interval 3 Outage 1 12/11/2002 **ITEM NUMBER ID NUMBER** SYS ISO/DWG NUMBERS PROC INSP REQ MAT/SCH DIA/THK CAL BLOCKS COMMENTS B06.040.018 1RPV-THREAD-18 MCM 1201.01-147 NDE-340 UT CS 7.000 40387 THREADS IN RPV FLANGE MCM 1201.01-206 12.000 Class A B06.040.019 1RPV-THREAD-19 MCM 1201.01-147 NDE-340 UT CS 7.000 40387 THREADS IN RPV FLANGE MCM 1201.01-206 12.000 Class A B06.040.020 1RPV-THREAD-20 MCM 1201.01-147 NDE-340 UT CS 7.000 40387 THREADS IN RPV FLANGE MCM 1201.01-206 12.000 Class A 806.040.021 1RPV-THREAD-21 MCM 1201.01-147 NDE-340 UT CS 7.000 40387 THREADS IN RPV FLANGE MCM 1201.01-206 12.000 Class A B06.040.022 1RPV-THREAD-22 MCM 1201.01-147 NDE-340 UT CS 7.000 40387 THREADS IN RPV FLANGE MCM 1201.01-206 12.000 Class A 806.040.023 1RPV-THREAD-23 MCM 1201.01-147 NDE-340 UT CS 7.000 40387 THREADS IN RPV FLANGE MCM 1201.01-206 12.000 Class A 806.040.024 1RPV-THREAD-24 MCM 1201.01-147 NDE-340 UT CS 7.000 40387 THREADS IN RPV FLANGE MCM 1201.01-206 12.000 Class A B06.040.025 1RPV-THREAD-25 MCM 1201.01-147 NDE-340 UT CS 7.000 40387 THREADS IN RPV FLANGE MCM 1201.01-206 12.000 Class A B06.040.026 1RPV-THREAD-26 MCM 1201.01-147 **NDE-340** UT CS 7.000 40387 THREADS IN RPV FLANGE MCM 1201.01-206 12.000

Class A

EOC 15				NEDGY	CORPOR						
	<u> RY B-G-1, Pressure</u>		ERVICE INS	PECTION	V PLAN M	ANAGEMENT					
<u> Bolting, G</u>	reater than 2" In Di	lameter Inserv	lce inspect	ion Datab	ase Mana	igement System			Plan Report		
Reactor Vessel McGuire 1											
		Inse	ervice Insp	ection P	lan for In	terval 3 Outage	1		12/11/2002		
ITEM NUMBE		SYS ISO/DWG NUMBERS	PROC	INSP R	EQ MAT/S	CH DIA/THK CAL	BLOCKS	COMMENTS			
306.040.027 Class A	1RPV-THREAD-27	MCM 1201.01-147 MCM 1201.01-206	NDE-340	UT	CS	7.000 12.000	40387	THREADS IN RPV FLANGE			
								······································			
	1RPV-THREAD-28	MCM 1201.01-147 MCM 1201.01-206	NDE-340	UT	CS	7.000 12.000	40387	THREADS IN RPV FLANGE			
Class A											
306.040.029	1RPV-THREAD-29	MCM 1201.01-147 MCM 1201.01-206	NDE-340	UT	CS	7.000	40387	THREADS IN RPV FLANGE	. <u></u>		
Class A		WOW 1201.01-200				12.000					
806.040.030	1RPV-THREAD-30	MCM 1201.01-147	NDE-340	UT	CS	7.000	40387	THREADS IN RPV FLANGE			
Class A		MCM 1201.01-206				12.000					
306.040.031	1RPV-THREAD-31	MCM 1201.01-147	NDE-340	UT	CS	7.000	40387	THREADS IN RPV FLANGE			
Class A		MCM 1201.01-206				12.000					
306.040.032	1RPV-THREAD-32	MCM 1201.01-147	NDE-340	UT	CS	7.000	40007				
Class A		MCM 1201.01-206	NDE-340	01	63	7.000 12.000	40387	THREADS IN RPV FLANGE			
306.040.033	1RPV-THREAD-33	MCM 1201.01-147 MCM 1201.01-206	NDE-340	UT	CS	7.000	40387	THREADS IN RPV FLANGE			
Class A						12.000					
306.040.034	1RPV-THREAD-34	MCM 1201.01-147	NDE-340	UT	CS	7.000	40387	THREADS IN RPV FLANGE			
Class A		MCM 1201.01-206				12.000					
06.040.035	1RPV-THREAD-35	MCM 1201.01-147	NDE-340	UT	CS	7.000	40297				
		MCM 1201.01-206		0.	~~	12.000	40387	THREADS IN RPV FLANGE			

CATEGO	RY B-G-1, Pressure	Retaining		ENERGY (RATION MANAGEMENT			
	Greater than 2" In D					nagement System			
Reactor	<u>Vessel</u>			McGu					Plan Report Page 11
н Мар		Inse	ervice Insp	ection P	lan for l	nterval 3 Outage	1		12/11/2002
ITEM NUMB		SYS ISO/DWG NUMBERS	PROC			SCH DIATHK CAL		COMMENTS	
306.040.036 Class A	1RPV-THREAD-36	MCM 1201.01-147 MCM 1201.01-206	NDE-340	UT	CS	7.000 12.000	40387	THREADS IN RPV FLANGE	
306.040.037	1RPV-THREAD-37	MCM 1201.01-147	NDE-340	UT	CS	7.000	40387	THREADS IN RPV FLANGE	
Class A		MCM 1201.01-206				12.000			
	1RPV-THREAD-38	MCM 1201.01-147 MCM 1201.01-206	NDE-340	UT	CS	7.000	40387	THREADS IN RPV FLANGE	
Class A									
806.040.039	1RPV-THREAD-39	MCM 1201.01-147 MCM 1201.01-206	NDE-340	UT	CS	7.000	40387	THREADS IN RPV FLANGE	
Class A						12.000			
306.040.040	1RPV-THREAD-40	MCM 1201.01-147 MCM 1201.01-208	NDE-340	UT	CS	7.000	40387	THREADS IN RPV FLANGE	
Class A		MOW 1201.01-208				12.000			
806.040.041	1RPV-THREAD-41	MCM 1201.01-147	NDE-340	UT	CS		40387	THREADS IN RPV FLANGE	
Class A		MCM 1201.01-206				12.000			
306.040.042	1RPV-THREAD-42	MCM 1201.01-147	NDE-340	UT	CS	7.000	40387	THREADS IN RPV FLANGE	
Class A		MCM 1201.01-206				12.000			
306.040.043	1RPV-THREAD-43	MCM 1201.01-147	NDE-340	UT	CS	7.000	40387	THREADS IN RPV FLANGE	
Class A		MCM 1201.01-206				12.000			
306.040.044	1RPV-THREAD-44	MCM 1201.01-147	NDE-340	UT	CS	7.000	40387	THREADS IN RPV FLANGE	
Class A		MCM 1201.01-206			_	12.000			

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EOC 15			DUKE E		CORPOR				
	RY B-G-1, Pressure		ERVICE INS	SPECTION	N PLAN M	ANAGEMENT			
	Greater than 2" In Di	lameter Inserv	vice Inspecti			agement System			Plan Report
Reactor	Vessel	•		McGu					Page 12
	ER ID NUMBER	Inse SYS ISO/DWG NUMBERS	PROC			nterval 3 Outage		0014151770	12/11/2002
	1RPV-THREAD-45	MCM 1201.01-147	NDE-340	UT	CS	<u>SCH_DIA/THK_CA</u> 7.000	40387	COMMENTS THREADS IN RPV FLANGE	
		MCM 1201.01-206	1102 040	0.	00	12.000	40307	THREADS IN NEV FLANGE	
Class A									
B06.040.046	1RPV-THREAD-46	MCM 1201.01-147	NDE-340	υT	CS	7.000	40387	THREADS IN RPV FLANGE	
		MCM 1201.01-206				12.000			
Class A									
B06.040.047	1RPV-THREAD-47	MCM 1201.01-147	NDE-340	UT	CS	7.000	40387	THREADS IN RPV FLANGE	
01		MCM 1201.01-206				12.000			
Class A									
B06.040.048	1RPV-THREAD-48	MCM 1201.01-147	NDE-340	UT	CS	7.000	40387	THREADS IN RPV FLANGE	· · · · · · · · · · · · · · · · · · ·
Class A		MCM 1201.01-206				12.000			
Class A									
B06.040.049	1RPV-THREAD-49	MCM 1201.01-147	NDE-340	UT	CS	7.000	40387	THREADS IN RPV FLANGE	•
Class A		MCM 1201.01-206				12.000			
CIASS A									
B06.040.050	1RPV-THREAD-50	MCM 1201.01-147	NDE-340	UT	CS	7.000	40387	THREADS IN RPV FLANGE	
		MCM 1201.01-206				12.000			
Class A									
B06.040.051	1RPV-THREAD-51	MCM 1201.01-147	NDE-340	UT	CS	7.000	40387	THREADS IN RPV FLANGE	
		MCM 1201.01-206				12.000			
Class A									
B06.040.052	1RPV-THREAD-52	MCM 1201.01-147	NDE-340	UT	CS	7.000	40387	THREADS IN RPV FLANGE	·····
		MCM 1201.01-206				12.000			
Class A									
B06.040.053	1RPV-THREAD-53	MCM 1201.01-147	NDE-340	UT	CS	7.000	40387	THREADS IN RPV FLANGE	
Class t		MCM 1201.01-206				12.000			
Class A									

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EOC 15				(
CATEGORY B- Bolting, Greate			SERVICE INS	PECTION	CORPORATION PLAN MAN/ Ase Manager	GEMENT			Plan Report
Reactor Vesse	<u>el</u>			McGui	ire 1				Page 13
		Inse	ervice Insp	ection P	lan for Interv	/al 3 Outage	1		12/11/2002
ITEM NUMBER	ID NUMBER	SYS ISO/DWG NUMBERS	PROC	INSP RI	EQ MAT/SCH	DIA/THK CA	L BLOCKS	COMMENTS	
B06.040.054 1RPV	-THREAD-54	MCM 1201.01-147 MCM 1201.01-206	NDE-340	UT	CS	7.000	40387	THREADS IN RPV FLANGE	
Class A									
Total B06.040 Iter	ms: 54								<u> </u>

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Reactor	<u>Freater than 2" In D</u> Vessel		····	tion Database Mana McGuire 1				Plan Report Page 14
		Inse	ervice insp	ection Plan for In	terval 3 Outage	1		12/11/2002
ITEM NUMB	ER ID NUMBER	SYS ISO/DWG NUMBERS	PROC		CH DIA/THK CAL		COMMENTS	
**** Closur	e Washers, Bushings '				······································			
306.050.001	1RPV-449-03-01	MCM 1201.01-204	QAL-13	VT-1 CS	10.560		CLOSURE WASHER	·····
		MCM 1201.01-208			1.719			
Class A								
306.050.002	1RPV-449-03-02	MCM 1201.01-204	QAL-13	VT-1 CS	10 500		01.001/05 144.01/05	·
		MCM 1201.01-206	WAL-10	VI-1 C3	10.560 1.719		CLOSURE WASHER	
Class A					1.715			
306.050.003	1RPV-449-03-03	MCM 1201.01-204	QAL-13	VT-1 CS	10.560			
		MCM 1201.01-206		VI-1 C3	1.719		CLOSURE WASHER	
Class A					1.710			
306.050.004	1RPV-449-03-04	MCM 1201.01-204	QAL-13	VT-1 CS	10 500			
		MCM 1201.01-206	GAL-10	VI-1 03	10.560 1.719		CLOSURE WASHER	
Class A								
306.050.005	1RPV-449-03-05	MCM 1201.01-204	QAL-13	VT-1 CS	10.560		CLOSURE WASHER	
		MCM 1201.01-206			1.719		CLOSURE WASHER	
Class A								
306.050.006	1RPV-449-03-06	MCM 1201.01-204	QAL-13	VT-1 CS	10.560		CLOSURE WASHER	
		MCM 1201.01-206			1.719		CLOSURE WASHER	
Class A								
306.050.007	1RPV-449-03-07	MCM 1201.01-204	QAL-13	VT-1 CS	10.560		CLOSURE WASHER	
		MCM 1201.01-206			1.719		CLOSURE WASHER	
Class A								
306.050.008	1RPV-449-03-08	MCM 1201.01-204	QAL-13	VT-1 CS	10.560		CLOSURE WASHER	
		MCM 1201.01-206			1.719		OLOGUNE WASHER	
Class A				•				

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EOC 15	((
CATEGORY Bolting, Gree	B-G-1, Pressure ater than 2" In Di		ERVICE INS	SPECTION		TION NAGEMENT jement Sy s tem			Pian Report
Pumps				McGui	re 1				Page 15
		Inse	rvice insp	ection Pl	an for int	erval 3 Outage	1		12/11/2002
ITEM NUMBER	ID NUMBER	SYS ISO/DWG NUMBERS	PROC			CH DIA/THK CA		COMMENTS	
**** Bolts and	Studs ****			· · · · ·					
B06.180.001 1R	CP-1A-F	MCM 1201.01-120	PDI-UT-5	UT	CS	4.500 29.500	50502	24 RCP MAIN FLANGE BOLTS	
Class A						20.000			
Total B06.180	ltems: 1								
Tetel DOG Harris									

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Total B06 Items: 93

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EOC 15		(\langle
CATEGORY B-O, Pressure Retaining We In Control Rod Housings	eids INSERVICE INS	ENERGY CORPORATION SPECTION PLAN MANAGEMENT ion Database Management System		Plan Report
ITEM NUMBER ID NUMBER SYS ISO/D	Inservice Insp DWG NUMBERS PROC	McGuire 1 ection Plan for Interval 3 Outage 1 INSP REQ MAT/SCH. DIA/THK CAL BLOCKS	COMMENTS	Page 16 12/11/2002
**** Welds in CRD Housing ****				
B14.010.011 1RPV-CRDM-65 MCM Class A	1201.01-224 NDE-35		CRD HOUSING WELD (PERIPHERAL)	
Total B14.010 items: 1	· · · · · · · · · · · · · · · · · · ·			
Total B14 Items: 1				

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EOC 15			(
CATEGORY C-A, Pressure Re In Pressure Vessels		DUKE ENERGY CORPORATION aining Weids INSERVICE INSPECTION PLAN MANAGEMENT Inservice Inspection Database Management System								
Head Circumferential Welds				Plan Report Page 17						
	Inse	ervice Inspe	ection Plan for Interv	al 3 Outage 1		12/11/2002				
ITEM NUMBER ID NUMBER	SYS ISO/DWG NUMBERS	PROC	INSP REQ MAT/SCH	•	LOCKS COMMENTS					
C01.020.001 1SGD-W144 Circumferential	MCM 1201.01-0782	NDE-620	UT CS		9385 STEAM GENERATOR					
Class B		See Com	Steam drum to Steam drum head	4.125 50	236A "DEPENDING UPON" QUALIFICATIONS, PF BE USED IN LIEU OF NDE-620"	ROCEDURE PDI-UT-6 MAY				
Total C01.020 Items: 1				· · ·						

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EOC 15				(r C			(
CATEGORY C-A In Pressure Vest Tubesheet-to-St	sels	Inserv	ERVICE INS lice Inspecti	PECTION on Databa McGuin ection Pla	ase Manag re 1 an for Int	TION NAGEMENT gement System erval 3 Outag CH DIA/THK C/	e 1	Plan Report Page 18 12/11/2002 COMMENTS
C01.030.001 1SGA-W Circumfe Class B		MCM 1201.01-0782	NDE-620 See Com	UT Tubesh Shell	CS	0.000 3.687	5135230 50236A	STEAM GENERATOR 1A "DEPENDING UPON THE EXAMINER'S QUALIFICATIONS, PROCEDURE PDI-UT-6 MAY BE USED IN LIEU OF PROCEDURE NDE-620"
Total C01.030 Items Total C01 Items:	: 1 2						· · · · · · · · · · · · · · · · · · ·	

EOC 15	((
CATEGOR Welds In V		sure Retaini		ERVICE INS	PECTION			1	Plan Report
	Without Reinformer Mithout Reinformer Mithout Reinformer Reinformer Reinformer Reinformer Reinformer Reinformer	orcing Plate In '		ervice Inspe	McGuin Action Pla		Page 19 12/11/2002		
ITEM NUMBE	ER ID NU	MBER SY	S ISO/DWG NUMBERS	PROC	INSP RE	Q MAT/SC	H DIA/THK C	AL BLOCKS	COMMENTS
**** Nozzle	-to-Shell (or H	ead) Weld ****)	
C02.021.001	1SGA-W258 Circumferential		MCM 1201.01-0782	NDE-320	UT	CS	16.000 4.125	5139385 50236A	STEAM GENERATOR 1A FEEDWATER NOZZLE
Class B					Nozzle Steam o				
C02.021.001A	1SGA-W258 Circumferential		MCM 1201.01-0782	NDE-25	MT	CS	16.000 4.125		STEAM GENERATOR 1A FEEDWATER NOZZLE
Class B					Nozzle Steam o	••			
Total C02.0	21 Items:	2			Oteanit				
**** Nozzle	Inside Radius	Section ****							······································
C02.022.001	1SGA-W258 Circumferential		MCM 1201.01-0782	NDE-2080	UT	CS	16.000	8304-601	STEAM GENERATOR 1A FEEDWATER NOZZLE
Class B					Nozzle Steam o		-7.120		
Total C02.0	22 Items:	1	αμ≝+ 0 ασ ₆₁₀ · · · · · · · · · · · · · · · · · · ·		<u> </u>		· · · · · · · · · · · · · · · · · · ·		
Total C02 I	tems:	3							

EOC 15	(((
	<u> RY C-C, Welded A</u> Piping, Pumps, Ar		SERVICE IN		V PLAN N	ATION IANAGEMENT agement System		Plan Report
Pressure	Vessels			McGu	ire 1			Page 20
		inse	ervice Insp	ection P	lan for Ir	nterval 3 Outage 1		12/11/2002
ITEM NUMBE	ER ID NUMBER	SYS ISO/DWG NUMBERS	PROC			SCH DIA/THK CAL BLOCKS	COMMENTS	
**** Welded	Attachments ****							
C03.010.002 Class B	1NSHX-1A-SUPP	MCM 1201.06-25 NS	NDE-35	PT	CS	0.000 0.000	CONTAINMENT SPRAY HE SUPPORT WELDED ATTACHMENT	AT EXCHANGER 1A

Total C03.010 Items:

EOC 15	\langle						($\left(\right)$
CATEGORY C-C, Welded Attachments For DUKE ENERGY CORPORATION Vessels, Piping, Pumps, And Valves INSERVICE INSPECTION PLAN MANAGEMENT Piping McGuire 1 Inservice Inspection Plan for Interval 3 Outage 1										
ITEM NUMB			SYS	Inse ISO/DWG NUMBERS	ervice Insp PROC			val 3 Outage 1 1 DIA/THK CAL BLOCKS	COMMENTS	Page 21 12/11/2002
C03.020.021	d Attachm 1-MCA-NI	D-H15		MCSRD-NDA/sht. 5	NDE-35	PT	SS	8.000	WELDED ATTACHMENT	
Class B	Rigid Sup	port	ND					0.237		
C03.020.031 Class B	1-MCA-NI Spring Hg		NI	MCSRD-NIA/sht. 1	NDE-35	PT	SS	8.000 0.203	WELDED ATTACHMENT	

Total C03.020 Items: 2

EOC 15	(((
	<u> YC-C, Welded</u> Piping, Pumps,			SERVICE IN	SPECTIO	CORPORATION PLAN MANA Dase Manager	AGEMENT		Dien Desert
Pumps			Ins	ervice Insp	McGu ection P		val 3 Outage 1		Plan Report Page 22 12/11/2002
ITEM NUMBE	R ID NUMBE	R SYS		PROC			DIA/THK CAL BLOCKS	COMMENTS	
**** Welded	Attachments ****								
Class B	1CCPUMP-1A-LEG		MCM 1201.05-228	NDE-35	PT	SS	0.000 0.000	CENTRIFUGAL CHARGING 4 SUPPORT LEGS WELDED ATTACHMENT EQUIPMENT TAG # 1NVPU VOLUME CONTROL PUMF VERIFY 4" LINE OUTLET F 1NV-802 AND 6" LINE INLE VALVE 1NV-224 TO VERIF BEFORE INSPECTION	J0015, CHEMICAL AND ? (1A) ROM PUMP TO VALVE ET FROM PUMP TO
Total C03.0	30 Items: 1								

Total C03 Items:

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EOC 15					((
CATEGORY C-G		etainin		SERVICE INS		PLAN MA	TION NNAGEMENT gement Sy s tem		Dian Panort
Valves					McGuire	1			Plan Report Page 23
			Inse	ervice insp	ection Plar	n for Int	erval 3 Outage 1		12/11/2002
ITEM NUMBER	ID NUMBER	SYS	ISO/DWG NUMBERS	PROC			CH DIA/THK CAL BLOCKS	COMMENTS	
**** Valve Body We	elds ****								
C06.020.001A1CF-26-	1	CF	MCM 1205.23-0004	NDE-25	MT	CS	12.000	ITEM # FW1-002 INSPECT ONE VALVE	IN THIS GROUP (1A-1D)
Class B					Valve Bo Bonnet	dy to		PER INTERVAL.	······································
Total C06.020 Items	s: 1								
Total C06 Items:	1								

EOC 15

Piping		ps, and Valve	Valves Inservice Inspection Database Management System McGuire 1						
			Inservice Inspection Plan for Interval 3 Outage 1						12/11/2002
ITEM NUMB	ER ID NU	MBER SYS	S ISO/DWG NUMBERS	PROC	INSP RE	Q MAT/S	SCH DIA/THK CAL BLOCKS	COMMENTS	
**** Welded	d Attachments	****							
Class C	1-MCA-CA-H68 Rigid Support	CA	MCSRD-CAD/sht.1	QAL-13	VT-1	NA	4.000 0.125	WELDED ATTACHMENT	
01033 0									
01.020.006	1-MCA-CA-H63 Rigid Restraint	CA	MCSRD-CAC/sht.2	QAL-13	VT-1	NA	4.000 0.125	WELDED ATTACHMENT	
Class C									

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CATEGORY F-A, Supports

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

—			Y.	Plan Report				
Class 1 Pir	oing Supports				McGuire 1			Page 25
			Inse		12/11/2002			
ITEM NUMBER	ID NUMBER	SYS	ISO/DWG NUMBERS	PROC	INSP REQ MAT/SCH	DIA/THK CAL BLOCKS	COMMENTS	
F01.010.001C 1-	-MCB-NC-500		MCSRD-NC-01/sht. 1	QAL-14	VT-3 NA			
	pring Hgr	NC	MCSRD-NC-01/snt. 1	GAL-14	VI-3 NA	14.000 0.000		
Class A	F					0.000		
F01.010.002A 1	-MCR-NC-501		MCSRD-NC-01/sht. 1	QAL-14	VT-3 NA	14.000		
	igid Support	NC			4 1°0 14/A	0.000		
Class A						0.000		
F01.010.003C 1	-MCR-NC-506		MCSRD-NC-03/sht. 2	QAL-14	VT-3 NA	6.000	· · · · · · · · · · · · · · · · · · ·	
	pring Hgr	NC				0.000		
Class A								
F01.010.004A 1	-MCR-NC-507		MCSRD-NC-03/sht. 2	QAL-14	VT-3 NA	6.000		
	ligid Support	NC				0.000		
Class A								
F01.010.051A 1-	-MCR-ND-500		MCSRD-ND-01/sht. 1	QAL-14	VT-3 NA	14.000		·····
	ligid Support	ND				0.000		
Class A								
F01.010.101C 1			MCSRD-NI-01/sht. 1	QAL-14	VT-3 NA	6.000		
	lyd Snubber	NI				0.000		
Class A								
F01.010.102A 1		. <u></u>	MCSRD-NI-01/sht. 4	QAL-14	VT-3 NA	10.000		
	ligid Support	NI				0.000		
Class A								
F01.010.104C 1		<u> </u>	MCSRD-NI-01/sht. 3	QAL-14	VT-3 NA	6.000		
	yd Snubber	NI				0.000		
Class A								

CATEGORY F-A, Supports

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

		· · · · · · · · · · · · · · · · · · ·	aon watabase management ays	(WIII		Plan Report				
Class 1 Piping Supports			McGuire 1			Page 26				
	Inse	Inservice Inspection Plan for Interval 3 Outage 1								
ITEM NUMBER ID NUMBER	SYS ISO/DWG NUMBERS	PROC	INSP REQ MAT/SCH DIA/TH	•	MENTS					
F01.010.162C 1-MCR-NV-1234	MCSRD-NV-02/sht. 3	QAL-14	VT-3 NA 3.0							
Mech Snubber	NV		0.0							
Class A										
F01.010.163C 1-MCR-NV-1291	MCSRD-NV-09/sht. 1	QAL-14	VT-3 NA 2.0	00						
Mech Snubber Class A	NV		0.0	00						
F01.010.164C 1-MCR-NV-1292	MCSRD-NV-09/sht. 1	QAL-14	VT-3 NA 2.0	~~~~~						
Spring Hgr	NV		VT-3 NA 2.00 0.00							
Class A			0.0							

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EOC 15 **DUKE ENERGY CORPORATION CATEGORY F-A. Supports** INSERVICE INSPECTION PLAN MANAGEMENT Inservice Inspection Database Management System Plan Report Class 2 Piping Supports McGuire 1 Page 27 Inservice inspection Plan for Interval 3 Outage 1 12/11/2002 **ITEM NUMBER ID NUMBER** SYS ISO/DWG NUMBERS INSP REQ MAT/SCH DIA/THK CAL BLOCKS PROC COMMENTS F01.020.006A 1-MCR-CA-H400 MCSRD-CAN/sht. 1 QAL-14 VT-3 NA 6.000 **Rigid Support** CA 0.000 Class B F01.020.008C 1-MCA-CA-H415 MCSRD-CAN/sht. 2 **QAL-14** VT-3 NA 6.000 Mech Snubber CA 0.000 Class B F01.020.010A 1-MCA-CA-H426 MCSRD-CAO/sht. 2 **QAL-14** VT-3 NA 6.000 **Rigid Support** CA 0.000 Class B F01.020.054C 1-MCA-CF-H208 MCSRD-CFC/sht. 12 QAL-14 VT-3 NA 26.000 Hvd Snubber CF 0.000 Class B F01.020.058C 1-MCR-CF-H404 MCSRD-CFC/sht. 12 **QAL-14** VT-3 NA 16.000 Hyd Snubber CF 0.000 Class B F01.020.153B 1-MCA-ND-H17 MCSRD-NDA/sht. 2 **QAL-14** VT-3 NA 8.000 **Rigid Restraint** ND 0.000 Class B F01.020.155C 1-MCA-ND-H23 MCSRD-NDA/sht. 2 OAL-14 VT-3 NA 8.000 Spring Hgr ND 0.000 Class B F01.020.157B 1-MCA-ND-H59 MCSRD-NDA/sht. 6 QAL-14 VT-3 NA 8.000 **Rigid Restraint** ND 0.000

Class B

CATEGORY F-A, Supports

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

			Inserv	lce inspect	tion Database Manager	nent System		Plan Report
Class 2 Pipin	ng Supports				/ McGuire 1			Page 28 12/11/2002
			Inse	ervice Insp	ection Plan for Inter	val 3 Outage 1		
ITEM NUMBER	ID NUMBER	SYS	ISO/DWG NUMBERS	PROC		DIA/THK CAL BLOCKS	COMMENTS	
F01.020.160A 1-M Rigio Class B	CA-ND-H76 id Support	ND	MCSRD-NDA/sht. 8	QAL-14	VT-3 NA	8.000 0.000	<u> </u>	
F01.020.163A 1-M Rigio Class B	ICA-ND-H84 Id Support	ND	MCSRD-NDA/sht. 3	QAL-14	VT-3 NA	8.000 0.000		
F01.020.179A 1-M Rigi Class B	CA-ND-H69 id Support	· ND	MCSRD-NDA/sht. 4	QAL-14	VT-3 NA	12.000 0.125		
F01.020.180A 1-M Rigi Class B	CA-ND-H15 Id Support	ND	MCSRD-NDA/sht. 5	QAL-14	VT-3 SS	8.000 0.237		
F01.020.202A 1-M Rigio Class B	CA-NI-H5 Id Support	NI	MCSRD-NIA/sht. 1	QAL-14	VT-3 NA	6.000 0.000		
F01.020.203C 1-M Spri Class B	ICA-NI-H6 ing Hgr	NI	MCSRD-NIA/sht. 1	QAL-14	VT-3 NA	8.000 0.203		
F01.020.209B 1-M Rigio Class B	CR-NI-555 id Restraint	NI	MCSRD-NI-03/sht. 3	QAL-14	VT-3 NA	6.000 0.000		
F01.020.211C 1-M Hyd Class B	CR-NI-676 I Snubber	Ni	MCSRD-NI-11/sht. 1	QAL-14	VT-3 NA	4.000 0.000		
F01.020.212B 1-M Rigio Class B	CR-NI-685 d Restraint	NI	MCSRD-NI-11/sht.2	QAL-14	VT-3 NA	2.000 0.000		

CATEGORY F-A, Supports

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

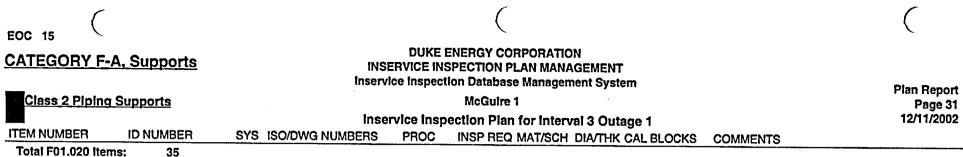
			Inserv	lice Inspect	tion Database Manager	ment System		Plan Report
Class 2 P	iping Supports				McGuire 1			Page 29
	-		Inse	ervice Insp	ection Plan for Inter	val 3 Outage 1		12/11/2002
ITEM NUMBER	R ID NUMBER	SYS	ISO/DWG NUMBERS	PROC		DIA/THK CAL BLOCKS	COMMENTS	
F01.020.251A	1-MCA-NS-H2 Rigid Support	NS	MCSRD-NSC/sht. 1	QAL-14	VT-3 NA	10.000 0.000		
F01.020.252A			MCSRD-NSC/sht. 1	QAL-14	VT-3 NA	10.000		
Class B	Rigid Support	NS				0.000		
F01.020.253C	• • • •	<u></u>	MCSRD-NSB/sht. 1	QAL-14	VT-3 NA	10.000		
Class B	Spring Hgr	NS				0.000		
	1-MCR-NS-655		MCSRD-NS-04/sht. 2	QAL-14	VT-3 NA	8.000		
Class B	Rigid Restraint	NS				0.000		
	1-MCA-NV-H461		MCSRD-NVD/sht. 1	QAL-14	VT-3 NA	6.000	·····	
Class B	Rigid Support	NV				0.000		
	1-MCA-NV-H800		MCSRD-NVE/sht. 3	QAL-14	VT-3 NA	4.000		
Class B	Rigid Restraint	NV				0.000		
F01.020.303A			MCSRD-NVD/sht. 1	QAL-14	VT-3 NA	6.000		
Class B	Rigid Support	NV				0.000		
F01.020.304A			MCSRD-NVD/sht. 1	QAL-14	VT-3 NA	8.000		
Class B	Rigid Support	NV				0.000		
	1-MCA-NV-H11		MCSRD-NVD/sht. 1	QAL-14	VT-3 NA	8.000		
Class B	Rigid Support	NV				0.000		

CATEGORY F-A, Supports

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

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		Inser	vice inspect	tion Database Manager	nent System		Plan Report
a Supports			Page 30				
		Inse	ervice Insp	ection Plan for Inter	val 3 Outage 1		12/11/2002
the second se	SYS	ISO/DWG NUMBERS	PROC			COMMENTS	
		MCSRD-NVD/sht. 1	QAL-14	VT-3 NA	8.000		
Support	NV				0.125		
A-NV-H13	<u></u>	MCSRD-NVD/sht. 1	QAL-14	VT-3 NA	6.000		
Support	NV				0.250		
A-NV-H14		MCSRD-NVD/sht. 1	QAL-14	VT-3 NA	6,000		
g Hgr	NV						
R-RN-537		MCSRD-RN-03/sht. 2	OAI -14	VT-3 NA	0.000		
Support	RN						
					0.000		
A-SA-H19		MCSRD-SAA/sht. 1	OAI -14	VT-3 NA	6.000		
g Hgr	SA						·
					0.000		
A-SM-H12		MCSRD-SMA/sht 2	OAL-14	VT-2 NA	42.000	····	
Snubber	SM			VI-0 INA			
					0.000		
A-SM-H20		MCSBD-SMA/sht 2	041-14		40.000	····	
Snubber	SM	NICOND CHILVOIR E		VI-S INA			
					0.000		
A-SV-H17	···	MCSBD-SVA/ebt 2	041-14		0.000		
Snubber	sv		WAL*14	VI-J NA			
	•••				0.000		
A-VQ-H10		MCSBD-VOA/eht 1	041-14		0.000	······································	
Snubber	vo		WAL-14	V 1-3 NA			
					0.000		
	ID NUMBER A-NV-H12 Support A-NV-H13 Support A-NV-H14 g Hgr R-RN-537 Support A-SA-H19 g Hgr A-SA-H19 g Hgr A-SM-H12 Snubber A-SM-H20 Snubber A-SW-H17 Snubber	ID NUMBERSYSA-NV-H12NVSupportNVA-NV-H13NVA-NV-H14NVA-NV-H14NVR-RN-537SupportSupportRNA-SA-H19SAA-SA-H19SAA-SM-H12SMA-SM-H20SMA-SV-H17SNA-SV-H17SV	InsertionID NUMBERSYSISO/DWG NUMBERSA-NV-H12MCSRD-NVD/sht. 1SupportNVA-NV-H13MCSRD-NVD/sht. 1SupportNVA-NV-H14MCSRD-NVD/sht. 1g HgrNVR-RN-537MCSRD-RN-03/sht. 2SupportRNMCFD 1574-04.00A-SA-H19MCSRD-SAA/sht. 1g HgrSAA-SM-H12MCSRD-SMA/sht. 2SnubberSMA-SM-H20MCSRD-SMA/sht. 2SnubberSMA-SV-H17MCSRD-SVA/sht. 2A-SV-H17SVA-VQ-H10MCSRD-VQA/sht. 1	ISupportsID NUMBERSYSISO/DWG NUMBERSPROCA-NV-H12MCSRD-NVD/sht. 1QAL-14SupportNVA-NV-H13MCSRD-NVD/sht. 1QAL-14SupportNVA-NV-H14MCSRD-NVD/sht. 1QAL-14g HgrNVMCSRD-NVD/sht. 1QAL-14A-NV-H14MCSRD-NVD/sht. 1QAL-14g HgrNVMCSRD-NVD/sht. 1QAL-14A-NV-H14MCSRD-RN-03/sht. 2QAL-14g HgrNVMCSRD-SAA/sht. 1QAL-14SupportRNMCSRD-SAA/sht. 1QAL-14SupportSAMCSRD-SMA/sht. 2QAL-14A-SM-H12MCSRD-SMA/sht. 2QAL-14SnubberSMMCSRD-SMA/sht. 2QAL-14A-SV-H17SMMCSRD-SVA/sht. 2QAL-14A-VQ-H10MCSRD-VQA/sht. 1QAL-14	Asymptotic McGuire 1 ID NUMBER SYS ISO/DWG NUMBERS PROC INSP REQ MAT/SCH A-NV-H12 MCSRD-NVD/sht. 1 QAL-14 VT-3 NA Support NV AANV-H13 MCSRD-NVD/sht. 1 QAL-14 VT-3 NA A-NV-H13 MCSRD-NVD/sht. 1 QAL-14 VT-3 NA Support NV MCSRD-NVD/sht. 1 QAL-14 VT-3 NA A-NV-H13 MCSRD-NVD/sht. 1 QAL-14 VT-3 NA Support NV MCSRD-NVD/sht. 1 QAL-14 VT-3 NA A-NV-H14 MCSRD-NVD/sht. 1 QAL-14 VT-3 NA Support NV MCSRD-RN-03/sht. 2 QAL-14 VT-3 NA B Hgr NV MCSRD-SAA/sht. 1 QAL-14 VT-3 NA A-SA-H19 MCSRD-SMA/sht. 2 QAL-14 VT-3 NA Grubber SM MCSRD-SMA/sht. 2 QAL-14 VT-3 NA A-SM-H12 MCSRD-SMA/sht. 2 QAL-14 VT-3 NA Snubber SM SM SM SM	ID NUMBER SYS ISO/DWG NUMBERS PROC INSP REQ MAT/SCH DIA/THK CAL BLOCKS A-NV-H12 MCSRD-NVD/sht. 1 QAL-14 VT-3 NA 8.000 Support NV QAL-14 VT-3 NA 8.000 A-NV-H13 MCSRD-NVD/sht. 1 QAL-14 VT-3 NA 6.000 Support NV MCSRD-NVD/sht. 1 QAL-14 VT-3 NA 6.000 A-NV-H13 MCSRD-NVD/sht. 1 QAL-14 VT-3 NA 6.000 Support NV MCSRD-NVD/sht. 1 QAL-14 VT-3 NA 6.000 A-NV-H14 MCSRD-RN-03/sht. 2 QAL-14 VT-3 NA 6.000 B Hgr NV MCSRD-SAA/sht. 1 QAL-14 VT-3 NA 6.000 A-SA-H19 MCSRD-SMA/sht. 2 QAL-14 VT-3 NA 42.000 Grubber SM MCSRD-SMA/sht. 2 QAL-14 VT-3 NA 42.000 Grubber SM MCSRD-SVA/sht. 2 QAL-14 <td>LSupports McGuire 1 ID NUMBER SYS ISO/DVG NUMBERS PROC INSP REO MA7/SCH DIA/THK CAL BLOCKS COMMENTS A-NV-H12 MCSRD-NVD/sht.1 QAL-14 VT-3 NA 8.000 0.125 A-NV-H13 MCSRD-NVD/sht.1 QAL-14 VT-3 NA 6.000 0.125 A-NV-H13 MCSRD-NVD/sht.1 QAL-14 VT-3 NA 6.000 0.250 </td>	LSupports McGuire 1 ID NUMBER SYS ISO/DVG NUMBERS PROC INSP REO MA7/SCH DIA/THK CAL BLOCKS COMMENTS A-NV-H12 MCSRD-NVD/sht.1 QAL-14 VT-3 NA 8.000 0.125 A-NV-H13 MCSRD-NVD/sht.1 QAL-14 VT-3 NA 6.000 0.125 A-NV-H13 MCSRD-NVD/sht.1 QAL-14 VT-3 NA 6.000 0.250



Total F01.020 Items;

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DUKE ENERGY CORPORATION INSERVICE INSPECTION PLAN MANAGEMENT

			Inserv	vice Inspect	ilon Database Manage	ement System		Plan Report
Class 3 F	Piping Supports				McGuire 1			Page 32
			Inse	ervice Insp	ection Plan for Inte	rval 3 Outage 1		12/11/2002
ITEM NUMBE	R ID NUMBER	SYS	ISO/DWG NUMBERS	PROC		H DIATHK CAL BLOCKS	COMMENTS	
F01.030.001A	1-MCA-CA-H86		MCSRD-CAA/sht.1	QAL-14	VT-3 NA	6.000		· · · · · · · · · · · · · · · · · · ·
0	Rigid Support					0.000		
Class C								
F01.030.011A	1-MCA-CA-H63		MCSRD-CAC/sht.2	QAL-14	VT-3 NA	4.000		
	Rigid Support	CA		WAL-14	VI-S NA	4.000 0.125		
Class C						0.125		
			· · · · · · · · · · · · · · · · · · ·					
F01.030.013A	1-MCA-CA-H68		MCSRD-CAD/sht.1	QAL-14	VT-3 NA	4.000		
	Rigid Support	CA				0.125		
Class C								
F01.030.023A	1-MCA-CA-H100		MCSRD-CAK/sht.1	QAL-14	VT-3 NA	6.000		
	Rigid Support	CA				0.000		
Class C								
F01.030.024A	1-MCA-CA-H103		MCSRD-CAK/sht.1	041.44				
101.000.024/	Rigid Support	CA	MCSRD-CARVSNI,1	QAL-14	VT-3 NA	8.000		
Class C	rigid odppoli	04				0.000		
F01.030.026A	1-MCA-CA-H346		MCSRD-CAK/sht.1	QAL-14	VT-3 NA	8.000		
•	Rigid Support	CA				0.000		
Class C								
F01.030.027C	1-MCA-CA-H347		MCSRD-CAK/sht.1	QAL-14	VT-3 NA	8.000		· · · · · · · · · · · · · · · · · · ·
	Mech Snubber	CA			VI-S NA	0.000		
Class C						0.000		
F01 030 1024	1-MCA-KC-1042	······						
101.000.102A	Rigid Support	кс	MCSRD-KC-313/sht.3 MCFD 1573-02.02	QAL-14	VT-3 NA	6.000		
Class C	ingle outpoit		WCTU 15/3-02.02			0.000		

EOC 15

CATEGORY F-A, Supports

EOC	15	

DUKE ENERGY CORPORATION CATEGORY F-A, Supports INSERVICE INSPECTION PLAN MANAGEMENT Inservice Inspection Database Management System Plan Report Class 3 Piping Supports McGuire 1 Page 33 Inservice Inspection Plan for Interval 3 Outage 1 12/11/2002 **ITEM NUMBER ID NUMBER** SYS ISO/DWG NUMBERS INSP REQ MAT/SCH DIA/THK CAL BLOCKS PROC COMMENTS F01.030.103A 1-MCA-KC-1304 MCSRD-KC-315/sht.5 **QAL-14** VT-3 NA 14.000 **Rigid Support** KC MCFD 1573-02-00 0.000 Class C F01.030.104C 1-MCA-KC-2137 MCSRD-KC-304/sht.1 **QAL-14** VT-3 NA 16.000 Hyd Snubber KC MCFD 1573-01.01 0.000 Class C F01.030.105B 1-MCR-KC-556 MCSRD-KC-01/sht.1 **QAL-14** VT-3 NA 6.000 **Rigid Restraint** KC MCFD 1573-03-00 0.000 Class C F01.030.106B 1-MCR-KC-561 MCSRD-KC-01/sht.1 **QAL-14** VT-3 NA 6.000 **Rigid Restraint** KC MCFD 1573-03-00 0.000 Class C F01.030.111A 1-MCA-KC-1091 MCSRD-KC-303/sht.1 **QAL-14** VT-3 NA 6.000 **Rigid Support** KC MCFD 1573-01.01 0.000 Class C F01.030.121B 1-MCR-KC-557 MCSRD-KC-01/sht.1 **QAL-14** VT-3 NA 6.000 **Rigid Restraint** KC MCFD 1573-03-00 0.000 Class C F01.030.123B 1-MCA-KC-1090 MCSRD-KC-303/sht.1 **QAL-14** VT-3 NA 6.000 **Rigid Restraint** KC MCFD 1573-01.01 0.000 Class C F01.030.124B 1-MCA-KC-2190 MCSRD-KC-303/sht.1 **QAL-14** VT-3 NA 6.000 **Rigid Restraint** KC MCFD 1573-01.01 0.000 Class C F01.030.140B 1-MCA-KC-2169 MCSRD-KC-315/sht.3 **QAL-14** VT-3 NA 10.000 **Rigid Restraint** KC MCFD 1573-03-01 0.000

Class C

CATEGORY F-A, Supports

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

			Inserv	vice inspec	tion Databa	ise Mana	igement System		Plan Repor	
Class 3 Piping	Supports			Page 34						
			Inse	ervice Insp	ection Pla	a <mark>n for i</mark> n	terval 3 Outage 1		12/11/2002	
ITEM NUMBER	ID NUMBER	SYS	ISO/DWG NUMBERS	PROC	INSP RE	Q MAT/S	CH DIA/THK CAL BLOCKS	COMMENTS		
=01.030.141B 1-MCA			MCSRD-KC-315/sht.3	QAL-14	VT-3	NA	14.000			
-	Restraint	KC	MCFD 1573-03-01				0.000			
Class C										
-01.030.155A 1-MC	A-KD-121		MCSRD-KD-10/sht.2	QAL-14	VT-3	NA	6.000			
Rigid S	Support	KD	MCFD 1609-01.01				0.000			
Class C										
-01.030.161C 1-MC/	A-LD-65		MCSRD-LD-301/sht.2	QAL-14	VT-3	NA	6.000	· · · · · · · · · · · · · · · · · · ·	······································	
Spring) Hgr	LD	MCFD 1609-02.00				0.000			
Class C					-					
F01.030.162A 1-MC/	A-LD-171		MCSRD-LD-301/sht.1	QAL-14	VT-3	NA	6.000			
Rigid S	Support	LD	MCFD 1609-02.00				0.000			
Class C										
	A-RN-H979		MCSRD-RN-301/sht.2	QAL-14	VT-3	NA	20.000			
Rigid I	Restraint	RN	MCFD 1574-01.01				0.000			
Class C										
-01.030.209B 1-MC/	A-RN-2024		MCSRD-RN-301/sht.3	QAL-14	VT-3	NA	18.000			
Rigid I	Restraint	RN	MCFD 1574-03.00				0.000			
Class C										
-01.030.210B 1-MC/		<u> </u>	MCSRD-RN-301/sht.4	QAL-14	VT-3	NA	20.000			
	Restraint	RN	MCFD 1574-03.00				0.000			
Class C										
01.030.212C 1-MC/	A-RN-H937		MCSRD-RN-301/sht.2	QAL-14	VT-3	NA	18.000	· · · · · · · · · · · · · · · · · · ·		
Mech	Snubber	RN	MCFD 1574-01.01				0.000			
Class C										
	A-RN-2240		MCSRD-RN-301/sht.2	QAL-14	VT-3	NA	30.000			
Rigid S	Support	RN	MCFD 1574-01.01		•••		0.000			
Class C										

EOC 15											
CATEGORY F	-A, Supports			DUKE ENERGY CORPORATION INSERVICE INSPECTION PLAN MANAGEMENT Inservice Inspection Database Management System							
Class 3 Piping Supports					Plan Report Page 35						
		Inservice Inspection Plan for Interval 3 Outage 1						12/11/2002			
ITEM NUMBER	ID NUMBER	SYS	ISO/DWG NUMBERS	PROC	INSP REQ MAT/SCH	I DIA/THK CAL BLOCKS	COMMENTS				
F01.030.214A 1-MC	A-RN-1260		MCSRD-RN-316	QAL-14	VT-3 NA	8.000					
Rigid	Support	RN	MCFD 1574-03.00			0.000					
Class C											
Total F01.030 Ite	ms: 27						······				

CATEGORY F-A, Supports

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

Support	s other than Piping Supr	anta (i		vice inspect	ion Database Manage McGuire 1	ement System	Plan Report
<u>3)</u>	somer man riping Supp			envice Inco	ection Plan for Inte	mal 2 Outers 1	Page 36 12/11/2002
	ER ID NUMBER	SYS	ISO/DWG NUMBERS	PROC		H DIA/THK CAL BLOCKS	COMMENTS
-01.040.007	1RHRHX-SUPPORT-1A	ND	MCM 1201.06-0022 MCM 1201.06-48	QAL-14	VT-3 NA	0.000	1A RESIDUAL HEAT REMOVAL HEAT
Class B		NU	WCW 1201.00-48			0.000	EXCHANGER SUPPORT
F01.040.008	1CSHX-SUPPORT-1A		MCM 1201.06-0025	QAL-14	VT-3 NA	0.000	1A CONTAINMENT SPRAY HEAT
• • -		NS				0.000	EXCHANGER SUPPORT
Class B							、 、
F01.040.009	1REGHX-SUPPORT	<u></u>	MCM 1201.06-15	QAL-14	VT-3 NA	0.000	REGENERATIVE HEAT EXCHANGER SUPPOR
Class B		NV	MCM 1201.06-61			0.000	
Ulass D			MCM 1201.06-0069				
F01.040.037	1CRAC-SUPPORT-1		MCM 1211.00-0136	QAL-14	VT-3 NA	0.000	CONTROL AIR CHILLER 1 SUPPORT
Class C		YC				0.000	
F01.040.038	1CRAP-SUPPORT-1		MCM 1201.05-298	QAL-14	VT-3 NA	0.000	CONTROLLED AREA CHILLED WATER PUMP
		YC				0.000	SUPPORT
Class C							
F01.040.041	1CRAAHU-SUPPORT-1A	··	MCM 1211.00-211	QAL-14	VT-3 NA	0.000	CONTROL ROOM AREA AIR HANDLING UNIT
Class C		YC				0.000	SUPPORT
Total F01.0	40 Items: 6						
Total F01 It	ems: 79						

CATEGORY AUG, Augmented Inspections

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

								Dian Danart	
	nted Exam, Steam Gene	erator Feedwater		McGu	ire 1		Plan Report Page 37		
Modifica	ation	Inse	ervice Insp	12/11/2002					
ITEM NUMB	ER ID NUMBER	SYS ISO/DWG NUMBERS	PROC		EQ MAT/SCH [COMMENTS	
G04.001.001	1RPV1-462A-SE	MCM 1201.01-113	NDE-310	UT	CS-Inconel	6.250	50374	0 DEG.	
	Circumferential	MCM 1201.01-247				0.625		PC. 459-01 TO PC. 446-04	
Class A		MCFI-1NI38		RPV H	lead to				
	Dissimilar				lpe				
G04.001.002	1RPV1-462B-SE	MCM 1201.01-113	NDE-310	UT	CS-inconel	6.250	50374	90 DEG.	
	Circumferential	MCM 1201.01-247		•••		0.625	505/4	PC. 459-01 TO 446-04	
Class A		MCFI-1NI38		RPV H	lead to	0.020		10.400-01 10 440-04	
	Dissimilar			UHI TU					
G04.001.004	1RPV1-462D-SE	MCM 1201.01-113	NDE-310	υT	CS-Inconel	6.250	50374	270 DEG.	
	Circumferential	MCM 1201.01-247		0.		0.625	50374	PC.459-01 TO PC.446-04	
Class A		MCFI-1NI38		RPV H	lead to	0.025		10.433-01 10 PC.440-04	
	Dissimilar			UHI Tu					
Total G04.	001 Items: 3				• • • • • • • • • • • • • • • • • • •				
Total COA	lieme. 0								

Total G04 Items: 3

DUKE ENERGY CORPORATION CATEGORY R-A, Risk Informed Piping INSERVICE INSPECTION PLAN MANAGEMENT Examinations Inservice Inspection Database Management System **Plan Report** Elements Subject to Thermal Fatique McGuire 1 Page 38 Inservice Inspection Plan for Interval 3 Outage 1 12/11/2002 ITEM NUMBER **ID NUMBER** SYS ISO/DWG NUMBERS INSP REQ MAT/SCH DIA/THK CAL BLOCKS PROC COMMENTS **** **** R01.011.013 1NC1FW19-1 MCFI-1NC19 **NDE-600** SS UT ٠ 2.000 SEGMENT NC-017. Circumferentiat NC MC-ISIN-1553-01.00 *SEE SECTION 8 FOR CALIBRATION BLOCK 0.344 Class A Pipe to REQUIREMENTS Pipe Cap R01.011.014 1NC1F2592 MCFI-1NC-33 **NDE-600** UT SS 3.000 ٠ SEGMENT NC-022 IS NOT HSS. THIS WELD Circumferential NC MC-ISIN-1553-01.00 0.438 ADDED AS A RESULT OF DELTA RISK Class A Pipe to EVALUATION. ***SEE SECTION 8 FOR CALIBRATION BLOCK** Pipe REQUIREMENTS R01.011.020 1NC91-2 MCFI-1NC54 NDE-600 UT SS 6.000 ۰ SEGMENT NC-033. Circumferential NC MC-ISIN-1553-01.00 0.719 *SEE SECTION 8 FOR CALIBRATION BLOCK Class A Pipe to REQUIREMENTS Elbow R01.011.021 1NC92-2 MCFI-1NC52 **NDE-600** UT SS 14.000 * SEGMENT NC-034. Circumferential NC MC-ISIN-1553-01.00 *SEE SECTION 8 FOR CALIBRATION BLOCK 1.250 Class A Elbow to REQUIREMENTS Tee R01.011.022 1NC138-1 MCFI-1NC54 **NDE-600** UT SS ٠ 6.000 SEGMENT NC-035. Circumferential NC MC-ISIN-1553-01.00 *SEE SECTION 8 FOR CALIBRATION BLOCK 0.719 Class A Pipe to REQUIREMENTS Elbow R01.011.026 1RPV1-462C-SE MCFI-1NI38 NDE-310 CS-Inconel UT 6.250 50374 SEGMENT NC-089 Circumferential NC MC-ISIN-1553-01.00 0.625 180 DEG., PC. 459-01 TO 446-04. Class A MCM 1201.01-113 **RPV Head to** THIS EXAM IS ADDED ABOVE RI-ISI MIN, REQ. Dissimilar **UHI Tube** PER EXPERT PANEL MCM 1201.01-247 R01.011.027 1NC1F1664 MCFI-1NC11 **NDE-600** UT SS 4.000 ٠ SEGMENT NC-092. Circumferential NC MC-ISIN-1553-02.01 *SEE SECTION 8 FOR CALIBRATION BLOCK 0.237 Class A Pipe to REQUIREMENTS Reducer R01.011.142 1NV1FW172-28 MCFI-1NV172 NDE-600 UT SS 2.000 ٠ SEGMENT NV-019AB. Circumferential NV MC-ISIN-1554-03.00 *SEE SECTION 8 FOR CALIBRATION BLOCK 0.344 Class B Pipe to REQUIREMENTS Pipe

DUKE ENERGY CORPORATION CATEGORY R-A, Risk Informed Piping INSERVICE INSPECTION PLAN MANAGEMENT **Examinations** Inservice Inspection Database Management System Plan Report Elements Subject to Thermal Fatigue McGuire 1 Page 39 12/11/2002 Inservice Inspection Plan for Interval 3 Outage 1 **ITEM NUMBER ID NUMBER** SYS ISO/DWG NUMBERS PROC INSP REQ MAT/SCH DIA/THK CAL BLOCKS COMMENTS R01.011.144 1NV1FW175-34 MCFI-1NV175 NDE-600 UT SS 2.000 SEGMENT NV-019AC. Circumferential NV MC-ISIN-1554-03.00 0.344 *SEE SECTION 8 FOR CALIBRATION BLOCK Class B Pipe to REQUIREMENTS Reducer R01.011.145 1NV1FW173-29 MCFI-1NV173 **NDE-600** UT SS * SEGMENT NV-019AC, 2.000 Circumferential NV MC-ISIN-1554-03.00 *SEE SECTION 8 FOR CALIBRATION BLOCK 0.344 Class B Pipe to REQUIREMENTS Pipe R01.011.147 1NV1FW181-25 MCFI-1NV181 NDE-600 UT SS ٠ 2.000 SEGMENT NV-020AA. Circumferential NV MC-ISIN-1554-03.00 0.344 Class B Pipe to Pipe R01.011.148 1NV1FW181-24 MCFI-1NV181 **NDE-600** UT SS 2.000 * SEGMENT NV-020AA. Circumferential NV MC-ISIN-1554-03.00 0.344 *SEE SECTION 8 FOR CALIBRATION BLOCK Class B Pipe to REQUIREMENTS Pipe R01.011.170 1NV1F4823 MCFI-1NV3 NDE-600 UT SS 2.000 SEGMENT NV-110B. Circumferential NV MC-ISIN-1554-03.00 *SEE SECTION 8 FOR CALIBRATION BLOCK 0.344 Class B Reducer to REQUIREMENTS Pipe R01.011.201 1RV1F104 MCFI-1RV31 NDE-600 UT CS 12.000 * SEGMENT RV-001, Circumferential RV MC-ISIN-1604.03-00 *SEE SECTION 8 FOR CALIBRATION BLOCK 0.375 Class B Elbow to REQUIREMENTS Pipe Total R01.011 Items: 14 **** **** R01.013.001 1RV1F104 MCFI-1RV31 NDE-946 UT CS 12.000 STEP SEGMENT RV-001 Circumferential RV MC-ISIN-1604.03-00 0.375 WEDGE EXAMINE A 1 FT. LENGTH OF PIPE AT WELD TO Class B Elbow to DETERMINE WALL THKS. Pipe Total R01.013 Items: 1 Total R01 Items: 15

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4.0 Results of Inspections Performed

The results of each examination shown in the final Inservice Inspection Plan (Section 3 of this report) are included in this section. The completion date and status for each examination are shown. All examinations revealing reportable indications and any corrective action required as a result are described in further detail in Subsection 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 and Risk Informed 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	Ħ	Indicates inspection was limited. Coverage obtained is listed
GEO REF (Geometric Reflector applies only to UT)	=	<u>N</u> No
RFR (Relief Request)	=	Y Yes <u>N</u> No
COMMENTS	=	General and/or Detail Description

Outage1/EOC 15 McGuire Unit 1 Section 4 4

EOC 15 Plant: McGuire 1	((In-S	QUALITY ASSU Service Inspecti McGuire 1 II	RANCE TECHN on Database Ma nservice Inspec	anagement : tion Listing	Sy s terr	n	Run D Page 1
				terval 3 Outage				12/16/2002
ITEM NUMBER B01.030.001	ID NUMBER			INSP LIMITED		RFR	COMMENTS	
B01.040.001	1RPV 7-442	09/19/2002	CLR		Ν	Ν		
B01.040.001A	1RPV 6-446A	09/22/2002	CLR		N	N		
	1RPV 6-446A	09/22/2002	CLR		N	Ν		
B06.010.001	1RPV-449-02-01	09/24/2002	CLR		N	Ν		
B06.010.002	1RPV-449-02-02	09/24/2002	CLR	655	N,	Ν		
B06.010.003	1RPV-449-02-03	09/24/2002	CLR	***	N	N		
B06.010.004	1RPV-449-02-04	09/24/2002	CLR		Ν	Ν		
B06.010.005	1RPV-449-02-05	09/24/2002	CLR		Ν	N		
B06.010.006	1RPV-449-02-06	09/24/2002	CLR		N	Ν		Υ.
B06.010.007	1RPV-449-02-07	09/24/2002	CLR		Ν	Ν		
B06.010.008	1RPV-449-02-08	09/24/2002	CLR		N	Ν		
B06.030.001	1RPV-449-01-01	09/25/2002	CLR		N	Ν		
B06.030.001A	1RPV-449-01-01	09/25/2002	CLR	***	N	Ν		
B06.030.002	1RPV-449-01-02	09/25/2002	CLR		Ν	Ν		
B06.030.002A	1RPV-449-01-02	09/25/2002	CLR		Ν	Ν		
B06.030.003	1RPV-449-01-03	09/25/2002	CLR		N	Ν		
B06.030.003A	1RPV-449-01-03	09/25/2002	CLR	•	Ν	Ν		
B06.030.004	1RPV-449-01-04	09/25/2002	CLR		Ν	Ν		
B06.030.004A	1RPV-449-01-04	09/25/2002	CLR		N	Ν		
B06.030.005	1RPV-449-01-05	09/25/2002	CLR		Ν	Ν		
B06.030.005A	1RPV-449-01-05	09/25/2002	CLR		N	Ν		
B06.030.006	1RPV-449-01-06	09/25/2002	CLR	\$= 5	N	Ν		
B06.030.006A	1RPV-449-01-06	09/25/2002	CLR		N	N		
B06.030.007	1RPV-449-01-07	09/25/2002	CLR		Ν	Ν		
B06.030.007A	1RPV-449-01-07	09/25/2002	CLR		N	N		
B06.030.008	1RPV-449-01-08	09/25/2002	CLR		N	N		
B06.030.008A	1RPV-449-01-08	09/25/2002	CLR		N	N		
B06.030.009	1RPV-449-01-09	09/25/2002	CLR		N	N		
B06.030.009A	1RPV-449-01-09	09/25/2002	CLR		N	N		
B06.030.010	1RPV-449-01-10	09/25/2002	CLR		N	N		
B06.030.010A	1RPV-449-01-10	09/25/2002	CLR	***	N	N		
B06.030.011	1RPV-449-01-11	09/25/2002	CLR		N	N		
B06.030.011A	1RPV-449-01-11	09/25/2002	CLR	£	N	N		
B06.040.001	1RPV-THREAD-01	09/19/2002	CLR		N	N		
B06.040.002	1RPV-THREAD-02	09/19/2002	CLR		N	N		
B06.040.003	1RPV-THREAD-03	09/19/2002	CLR	***	N	N		

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	((15.0	DUALITY ASSU	RANCE TEVHN	RATION	ICES		$\left(\right)$	Run D
EOC 15	^	m-c	ervice Inspecti McGuire 1 Ir	iservice Inspec	anagement : tion Listing	Systen	n		Page 2
Plant: McGuire	1			erval 3 Outage					6/2002
ITEM NUMBER	ID NUMBER	SYSTEM INSP DATE		INSP LIMITED		RFR	COMMENTS		
B06.040.004	1RPV-THREAD-04	09/19/2002	CLR		N	N			
B06.040.005	1RPV-THREAD-05	09/19/2002	CLR		Ν	Ν			
B06.040.006	1RPV-THREAD-06	09/19/2002	CLR		N	Ν			
B06.040.007	1RPV-THREAD-07	09/19/2002	CLR		Ν	Ν			
B06.040.008	1RPV-THREAD-08	09/19/2002	CLR		Ν	Ν			
B06.040.009	1RPV-THREAD-09	09/19/2002	CLR	***	Ν	Ν			
B06.040.010	1RPV-THREAD-10	09/19/2002	CLR		Ν	Ν			
B06.040.011	1RPV-THREAD-11	09/19/2002	CLR		Ν	Ν			
B06.040.012	1RPV-THREAD-12	09/19/2002	CLR		Ν	Ν			
B06.040.013	1RPV-THREAD-13	09/19/2002	CLR	***	N	Ν			
B06.040.014	1RPV-THREAD-14	09/19/2002	CLR		N	Ν			
B06.040.015	1RPV-THREAD-15	09/19/2002	CLR		Ν	Ν			
B06.040.016	1RPV-THREAD-16	09/19/2002	CLR		N	Ν			
B06.040.017	1RPV-THREAD-17	09/19/2002	CLR		Ν	N			
B06.040.018	1RPV-THREAD-18	09/19/2002	CLR		Ν	Ν			
B06.040.019	1RPV-THREAD-19	09/19/2002	CLR	***	Ν	N			
B06.040.020	1RPV-THREAD-20	09/19/2002	CLR		N	Ν			
B06.040.021	1RPV-THREAD-21	09/19/2002	CLR		N	N			
B06.040.022	1RPV-THREAD-22	09/19/2002	CLR		N	N			
B06.040.023	1RPV-THREAD-23	09/19/2002	CLR		Ν	N			
B06.040.024	1RPV-THREAD-24	09/19/2002	CLR		N	N			
B06.040.025	1RPV-THREAD-25	09/19/2002	CLR		N	N			
B06.040.026	1RPV-THREAD-26	09/19/2002	CLR		N	N			
B06.040.027	1RPV-THREAD-27	09/19/2002	CLR	***	N	N			
B06.040.028	1RPV-THREAD-28	09/19/2002	CLR		N	N			
B06.040.029	1RPV-THREAD-29	09/19/2002	CLR		N	N			
B06.040.030	1RPV-THREAD-30	09/19/2002	CLR		N	N			
B06.040.031	1RPV-THREAD-31	09/19/2002	CLR	***	N	N			
B06.040.032	1RPV-THREAD-32	09/19/2002	CLR		N	N			
B06.040.033	1RPV-THREAD-33	09/19/2002	CLR		N	N			
B06.040.034	1RPV-THREAD-34	09/19/2002	CLR	***	N	N			
B06.040.035	1RPV-THREAD-35	09/19/2002	CLR		N	N			
B06.040.036	1RPV-THREAD-36	09/19/2002	CLR		N	N			
B06.040.037	1RPV-THREAD-37	09/19/2002	CLR		N	N			
B06.040.038	1RPV-THREAD-38	09/19/2002	CLR	***	N	N			
B06.040.039	1RPV-THREAD-39	09/19/2002	CLR		N	N			
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EOC 15				Service Inspectio	on Database Ma	anagement	Systen	
Plant: McGuire	1				service Inspec			Page 3
					erval 3 Outage			12/16/2002
ITEM NUMBER B06.040.040	ID NUMBER 1RPV-THREAD-40	SYSTEM	INSP DATE	INSP STATUS			RFR	COMMENTS
B06.040.040	1RPV-THREAD-40		09/19/2002	CLR		N	N	
B06.040.041 B06.040.042	1RPV-THREAD-41		09/19/2002	CLR		N	N	
B06.040.043	1RPV-THREAD-42		09/19/2002	CLR	***	N	N	
B06.040.044	1RPV-THREAD-43		09/19/2002	CLR		N	N	
B06.040.045	1RPV-THREAD-44		09/19/2002	CLR		N	N	
B06.040.046	1RPV-THREAD-45		09/19/2002	CLR		N	N	
B06.040.047	1RPV-THREAD-40		09/19/2002	CLR		N	N	
B06.040.048	1RPV-THREAD-47		09/19/2002	CLR		N	N	
B06.040.049	1RPV-THREAD-49		09/19/2002	CLR		N	N	
B06.040.050	1RPV-THREAD-49		09/19/2002	CLR		N	N	
B06.040.051	1RPV-THREAD-50		09/19/2002	CLR		N	N	
B06.040.052	1RPV-THREAD-51		09/19/2002	CLR	***	N	N	
B06.040.053	1RPV-THREAD-52		09/19/2002	CLR	***	N	N	
B06.040.054	1RPV-THREAD-53		09/19/2002	CLR		N	N	
B06.050.001	1RPV-449-03-01	•	09/19/2002	CLR		N	Ν	
B06.050.002	1RPV-449-03-01		09/24/2002	CLR		N	N	
B06.050.002	1RPV-449-03-02		09/24/2002	CLR		N	N	
B06.050.004	1RPV-449-03-04		09/24/2002			N	N	
B06.050.005	1RPV-449-03-04		09/24/2002	CLR		N	N	
B06.050.006	1RPV-449-03-05		09/24/2002	CLR		N	N	
B06.050.007	1RPV-449-03-07		09/24/2002	CLR		N	N	
B06.050.008	1RPV-449-03-07		09/24/2002	CLR		N	N	
B06.180.001	1RCP-1A-F		09/24/2002	CLR	***	N	Ν	
B14.010.011	1RPV-CRDM-65		09/24/2002	CLR		N	Ν	
C01.020.001	1SGD-W144		09/23/2002	CLR		N	Ν	
C01.030.001	1SGA-W65		09/23/2002	CLR		N	Ν	
C02.021.001	1SGA-W258		09/24/2002	REC		Y	N	
C02.021.001 C02.021.001A			09/25/2002	CLR		Ν	Ν	
C02.022.001	1SGA-W258 1SGA-W258		09/25/2002	CLR		N	Ν	
C03.010.002	1NSHX-1A-SUPP	20	09/25/2002	CLR		N	Ν	
C03.020.021		NS	09/12/2002	CLR	***	N	Ν	
C03.020.021	1-MCA-ND-H15	ND	09/10/2002	CLR		Ν	Ν	
C03.030.001	1-MCA-NI-H6	NI	09/12/2002	CLR		N	Ν	
C06.020.001A	1CCPUMP-1A-LEG	<u>~</u>	09/10/2002	CLR	77.74%	Ν	Y	Reference RFR 02-004 and Code Case N-460
D01.020.003	1CF-26-1	CF	09/25/2002	CLR	ee a	Ν	Ν	
501.020.003	1-MCA-CA-H68	CA	08/06/2002	CLR	•••	N	Ν	

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			(DUALITY ASSUR	RANCE TELAN	CAL SERV	ICES			Run D
EOC 15			11-3	Service Inspection McGuire 1 In	service inspect	inagement:	System	1		Page 4
Plant: McGuire	1				erval 3 Outage					6/2002
ITEM NUMBER	ID NUMBER	SYSTEM	INSP DATE	INSP STATUS	-		RFR	COMMENTS		
D01.020.006	1-MCA-CA-H63	CA	08/06/2002	ĊLR		N	N		· · · · · · · · · · · · · · · · · · ·	
F01.010.001C	1-MCR-NC-500	NC	09/17/2002	CLR		N	N			
F01.010.002A	1-MCR-NC-501	NC	09/17/2002	CLR		N	N			
F01.010.003C	1-MCR-NC-506	NC	09/17/2002	CLR		N	N			
F01.010.004A	1-MCR-NC-507	NC	09/17/2002	CLR		N	N			
F01.010.051A	1-MCR-ND-500	ND	09/16/2002	CLR		Ν	Ν			
F01.010.101C	1-MCR-NI-515	NI	09/17/2002	CLR		N	N			
F01.010.102A	1-MCR-NI-521	NI	09/16/2002	CLR		N	N			
F01.010.104C	1-MCR-NI-528	NI	09/16/2002	CLR	***	N	Ν			
F01.010.162C	1-MCR-NV-1234	NV	09/16/2002	CLR		N	N			
F01.010.163C	1-MCR-NV-1291	NV	09/16/2002	REC		N	N			
F01.010.164C	1-MCR-NV-1292	NV	09/16/2002	REC		Ν	Ν			
F01.020.006A	1-MCR-CA-H400	CA	09/16/2002	CLR		Ν	Ν			
F01.020.008C	1-MCA-CA-H415	CA	08/06/2002	CLR	***	Ν	Ν			
F01.020.010A	1-MCA-CA-H426	CA	08/07/2002	CLR		Ν	N			
F01.020.054C	1-MCA-CF-H208	CF	08/05/2002	CLR		N	Ν			
F01.020.058C	1-MCR-CF-H404	CF	09/16/2002	CLR		Ν	Ν			
F01.020.153B	1-MCA-ND-H17	ND	08/08/2002	CLR		Ν	Ν			
F01.020.155C	1-MCA-ND-H23	ND	08/08/2002	CLR	***	Ν	Ν			
F01.020.157B	1-MCA-ND-H59	ND	08/08/2002	CLR	÷==	Ν	Ν			
F01.020.160A	1-MCA-ND-H76	ND	08/08/2002	CLR	***	Ν	N			
F01.020.163A	1-MCA-ND-H84	ND	08/13/2002	CLR		N	N			
F01.020.179A	1-MCA-ND-H69	ND	08/13/2002	CLR		N	N			
F01.020.180A	1-MCA-ND-H15	ND	08/13/2002	CLR	***	N	N			
F01.020.202A	1-MCA-NI-H5	NI	08/13/2002	CLR		N	N			
F01.020.203C	1-MCA-NI-H6	NI	08/13/2002	CLR		Ν	N			
F01.020.209B	1-MCR-NI-555	NI	09/16/2002	CLR		N	N			
F01.020.211C	1-MCR-NI-676	NI	09/16/2002	CLR		N	N			
F01.020.212B	1-MCR-NI-685	NI	09/16/2002	CLR		N	N			
F01.020.251A	1-MCA-NS-H2	NS	08/13/2002	CLR		N	N			
F01.020.252A	1-MCA-NS-H3	NS	08/13/2002	CLR		N	N			
F01.020.253C	1-MCA-NS-H7	NS	08/14/2002	CLR		N	N			
F01.020.254B	1-MCR-NS-655	NS	09/17/2002	CLR		N	N			
F01.020.301A	1-MCA-NV-H461	NV	08/13/2002	CLR	***	N	N			
F01.020.302B	1-MCA-NV-H800	NV	08/13/2002	CLR		N	N			
F01.020.303A	1-MCA-NV-H6	NV	08/13/2002	CLR		N	N			

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EOC 15			in-S	Service inspection	n Database M	anagement	ICES Sveton	n		Run D
Plant: McGuire	1			McGuire 1 in	service inspec	tion Listing	oysten			Page 5
	•				erval 3 Outage					12/16/2002
ITEM NUMBER	ID NUMBER	SYSTEM	INSP DATE	INSP STATUS	INSP LIMITED	GEO REF	RFR	COMMENTS		
F01.020.304A	1-MCA-NV-H8	NV	08/13/2002	CLR		N	N			
F01.020.305A	1-MCA-NV-H11	NV	08/13/2002	CLR		Ν	Ν			
F01.020.306A	1-MCA-NV-H12	NV	08/13/2002	CLR		Ν	Ν			
F01.020.307A	1-MCA-NV-H13	NV	08/13/2002	CLR		N	Ν			
F01.020.308C	1-MCA-NV-H14	NV	08/13/2002	CLR		N	Ν			
F01.020.451A	1-MCR-RN-537	RN	09/16/2002	CLR	***	N	Ν			
F01.020.501C	1-MCA-SA-H19	SA	08/05/2002	CLR		Ν	Ν			
F01.020.551C	1-MCA-SM-H12	SM	08/19/2002	CLR		N	Ν			
F01.020.553C	1-MCA-SM-H20	SM	08/19/2002	CLR	***	N	Ν			
F01.020.602C	1-MCA-SV-H17	SV	08/05/2002	CLR		N	Ν			
F01.020.651C	1-MCA-VQ-H10	VQ	08/06/2002	CLR	6	Ν	Ν			
F01.030.001A	1-MCA-CA-H86		08/07/2002	CLR	***	Ν	Ν			
F01.030.011A	1-MCA-CA-H63	CA	08/06/2002	CLR		Ν	N			
F01.030.013A	1-MCA-CA-H68	CA	08/06/2002	CLR		Ν	N			
F01.030.023A	1-MCA-CA-H100	CA	08/07/2002	CLR	•••	N	N			
F01.030.024A	1-MCA-CA-H103	CA	08/07/2002	CLR		N	N			
F01.030.026A	1-MCA-CA-H346	CA	08/08/2002	CLR		N	N			
F01.030.027C	1-MCA-CA-H347	CA	08/08/2002	CLR		N	N			
F01.030.102A	1-MCA-KC-1042	KC	08/20/2002	CLR	***	N	N			
F01.030.103A	1-MCA-KC-1304	KC	08/20/2002	CLR	***	N	N			
F01.030.104C	1-MCA-KC-2137	KC	08/20/2002	CLR		N	N			
F01.030.105B	1-MCR-KC-556	KC	09/16/2002	REC		N	N			
F01.030.106B	1-MCR-KC-561	KC	09/16/2002	REC		N	N			
F01.030.111A	1-MCA-KC-1091	KC	08/20/2002	CLR		N	N			
F01.030.121B	1-MCR-KC-557	KC	09/16/2002	CLR		N	N			
F01.030.123B	1-MCA-KC-1090	KC	08/21/2002	CLR		N	N			
F01.030.124B	1-MCA-KC-2190	KC	08/20/2002	CLR		N				
F01.030.140B	1-MCA-KC-2169	KC	08/20/2002	CLR		N	N N			
F01.030.141B	1-MCA-KC-2232	KC	08/21/2002	REC		N	N			
F01.030.155A	1-MCA-KD-121	KD	08/05/2002	CLR						
F01.030.161C	1-MCA-LD-65	LD	08/26/2002	CLR		N	N			
F01.030.162A	1-MCA-LD-171	LD	08/26/2002	CLR		N	N			
F01.030.208B	1-MCA-RN-H979	RN	08/21/2002	CLR		N	N			
F01.030.209B	1-MCA-RN-2024	RN	08/27/2002	CLR		N	N			
F01.030.210B	1-MCA-RN-2330	RN	08/27/2002	CLR		N	N			
F01.030.212C	1-MCA-RN-H937	RN	08/27/2002	CLR		N	N			
			JUIZ1/2002			Ν	Ν			

EOC 15 Plant: McGuire	1				RANCE TEUH	anagement : ction Listing	System	h	Run D Page 6 12/16/2002
ITEM NUMBER	ID NUMBER	SYSTEM	INSP DATE	INSP STATUS	INSP LIMITED	GEO REF	RFR	COMMENTS	
F01.030.213A	1-MCA-RN-2240	RN	08/27/2002	CLR	***	N	N		
F01.030.214A	1-MCA-RN-1260	RN	08/26/2002	CLR		Ν	Ν		
F01.040.007	1RHRHX-SUPPORT-1A	ND	09/03/2002	CLR		Ν	Ν		
F01.040.008	1CSHX-SUPPORT-1A	NS	09/03/2002	CLR		Ν	Ν		
F01.040.009	1REGHX-SUPPORT	NV	09/14/2002	CLR		N	Ν		
F01.040.037	1CRAC-SUPPORT-1	YC	09/03/2002	CLR		N	Ν		
F01.040.038	1CRAP-SUPPORT-1	YC	09/03/2002	CLR		Ν	N		
F01.040.041	1CRAAHU-SUPPORT-1	YC	09/03/2002	CLR		Ν	Ν		
G04.001.001	1RPV1-462A-SE		09/23/2002	CLR		Ν	Ν		
G04.001.002	1RPV1-462B-SE		09/23/2002	CLR		N	Ν		
G04.001.004	1RPV1-462D-SE		09/23/2002	CLR		N	Ν		
R01.011.013	1NC1FW19-1	NC	09/26/2002	CLR		N	N		
R01.011.014	1NC1F2592	NC	09/26/2002	CLR		N	N		
R01.011.020	1NC91-2	NC	09/24/2002	CLR		N	N		
R01.011.021	1NC92-2	NC	09/26/2002	CLR		N	N		
R01.011.022	1NC138-1	NC	09/25/2002	REC		N	N		
R01.011.026	1RPV1-462C-SE	NC	09/23/2002	CLR	74.62%	N	Ŷ	Reference RFR 02-004 and Code Case N-460	
R01.011.027	1NC1F1664	NC	09/17/2002	CLR		N	N		
R01.011.142	1NV1FW172-28	NV	09/11/2002	CLR		N	N		
R01.011.144	1NV1FW175-34	NV	09/11/2002	CLR		N	N		
R01.011.145	1NV1FW173-29	NV	09/11/2002	CLR		N	N		
R01.011.147	1NV1FW181-25	NV	09/11/2002	CLR		N	N	· · · ·	
R01.011.148	1NV1FW181-24	NV	09/11/2002	CLR		N	N		
R01.011.170	1NV1F4823	NV	09/11/2002	CLR		N	N		
R01.011.201	1RV1F104	RV	09/12/2002	CLR		N	N		
R01.013.001	1RV1F104	RV	09/12/2002	CLR	÷	N	N		

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4.1 <u>Reportable Indications</u>

There were no reportable indications for the examinations associated with this report period.

4.2 Corrective Action

Corrective action is action taken to resolve flaws and relevant conditions, including supplemental examinations, analytical evaluations, repair / replacement activities, and corrective measures. There were no corrective actions for the examinations associated with this report period.

4.3 Corrective Measures

Corrective measures are actions (such as maintenance) taken to resolve relevant conditions, but not including supplemental examinations, analytical evaluations, and repair / replacement activities. Any corrective measures performed for examinations associated with this report period will be shown on the examination data sheets which are on file at the Duke 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. Reference Subsection 1.3 for additional information.

<u>Item Number</u>	Request for Relief Serial Number
C03.030.001	02-004
R01.011.026	02-004

Outage1/EOC 15 McGuire Unit 1 Section 4

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.

No items were determined to have work performed outside this report period.

Work Order Number	Signoff Date/EOC	PIP Number
NONE	NONE	NONE

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 McGuire 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 below is on file in the McGuire Nuclear Station QA Vault.

Work Order Number	Identification Number	ISI Class	Type of Inspection
98482730	1MCA-NC-769	Α	VT-3
98498120	1MCA-NV-H322	В	VT-3
98484389	1MCR-NI-613	Α	VT-3
98484376	1MCR-NC-502	A	VT-3
98441464	RXSG-1A	Α	VT-3
98541554	1MCR-NC-553	Α	VT-3
98484386	1MCR-NI-617	Α	VT-3
98484387	1MCR-NI-615	A	VT-3
98484390	1MCR-NI-580	A	VT-3
98484378	1MCR-NC-546	A	VT-3
98419391	MC1683-NV-01-R8B	В	VT-3
98484381	1MCR-NC-571	Α	VT-3
98484382	1MCR-NI-859	۰A	VT-3
98484384	1MCR-NI-733	A	VT-3
98484385	1MCR-NC-570	Α	VT-3
98543138	1MCA-ND-301	В	VT-3

Outage1/EOC 15 McGuire Unit 1 Section 5 Page 1 of 1 Revision 0 December 16, 2002

FORM NIS-2 OWNER'S REPORT FOR REPAIR / REPLACEMENT ACTIVITY As Required By The Provisions Of The ASME Code Section XI

1.	Owner Address:	Duke Power Company					1a. Date _	10/07/02
		526 S. Church Street, Charlotte,	NC 28201-1006				Sheet	1 of
	Plant Address:	McGuire Nuclear Station						
		12700 Hagers Ferry Road, Hunte	rsville, NC 28078					
a .	Unit: 🖾 1 🗆 2	□3 □Shared (specify Units		<u>)</u>				
	Work Porformed B	y: <u>Duke Power Company</u>			3a. W	ork Orde	r # :98543221/03	
	Address:	526 S. Church Street, Charlotte	NC 28201-1006				Repair Organization	Job #
	Type Code Symbo	I Stamp: N/A Authorization No. N/	A Expiration Date: <u>N/</u>	A	3b. N	SM or MM	1 #: <u>13646</u>	
	(a) Identification (of System: VE		4. (b) Class	of System: B			· · ·
	(a) Applicable Co	nstruction Code: <u>ASME III</u> 19 <u>71</u> Ed ition of Section XI Utilized for Repa	lition, <u>Summer and W</u>	<u>/inter</u> Addenda, /ity: 1995, 1996 Addenc	N/A 1a (1992 through 19	92 Adder	Cod	e Cases d CC and their sur
				TO	ne (1002 anough 16			
	Identification of Co	omponents:						
	Column 1	Column 2	Column 3	Column 4	Column 5	Col 6	Column 7	Column 8
	Name of Component	Name of Mig	Mfg Serial No.	National Board No.	Other Identification	Year Built	Corrected, Removed, or Installed	ASME Code Stamped (yes or no)
		1 TRW MISSION	J-6813	10	N/A	1979	Corrected,	🗆 No
	VALVE 1VE-1		J-0013	10		1979	I Removed, □ Installed	(X)Yes
-			1		N1/A	1000	Corrected,	
	VALVE 1VE-1	1 ANDERSON GREENWOOD & CO.	N15032	15	N/A	1982	Removed,	X Yes
_			<u> </u>			<u> </u>		
							Corrected,	
							□ Installed	□ Yes
					•		Corrected,	D No
							Removed, Installed	□ Yes
-							Corrected,	
							□ Removed, □ Installed	□ Yes
							Corrected,	
							B Removed,	
			1	1	1	1	🗆 Installed	☐ Yes

.

Form NIS-2 (Back)

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8 1/2 in. x 11 in. (2) information in items 1 through 6 on this report is included on ead 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 and studs and nuts in valve flange joint.

8. Tests Conducted:Hydrostatic D Pneumatic Nom. Operating Press. I Other Exempt

9.	Remarks	Pressure Pressure Pressure	psig psig psig	Test Temp Test Temp Test Temp	°F °F °F

(Applicable Manufacturer's Data Reports to be attached)

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp N/A Certificate of Authorization No. N/A

Expiration Date N/A

Signed GARY/FR Sorrow, QA Tech Specialist Owner or Owner's Designee, Title

Date 10/07/02

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of North Carolina and employed by HSB CT have inspected the components described in this Owner's Report during the period 10-3-02 to 10-7-02; and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of ASME Code, Section XI.

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

M R.D. Klein Commissions NB7728, NC853, N-I Inspector Sibnature National Board, State, Province and Endorsements Date / 0-2002

FORM NIS-2 OWNER'S REPORT FOR REPAIR / REPLACEMENT ACTIVITY As Required By The Provisions Of The ASME Code Section XI

Owner Address D	uke Power Company			4		to Data	10/01/00
		NC 09001 1006				_	
<u>5</u>	20 S. Church Street, Chanolle,	110 20201-1000			-	Sheet	1 of _1
Plant Address: M	cGuire Nuclear Station	· · · · · · · · · · · · · · · · · · ·					
<u>1</u> 2	2700 Hagers Ferry Road, Hunt	ersville, NC 28078					
Unit: 🖾1 🗆2 🗖	3 Shared (specify Units _)				
Work Performed By	Duke Power Company			20.14	lark Orda	- # • 09205040/00	
		e NC 28201-1006		Ja. W		Repair Organization	Job #
Type Code Symbol St	emp: N/A Authorizetion No. N	A Evolution Date: N/	A	04 44		A.H. A.MA	
						// #: <u>N/A</u>	
(a) Identification of S	ystem: <u>NV</u>		4. (b) Class	of System: <u>B</u>			
(a) Applicable Constr	uction Code: ASME III 1971 Ed	lition, <u>Summer and W</u>	inter Addenda,			Code C	
(b) Applicable Edition	of Section XI Utilized for Repa	air / Replacement Activ	ity: 1995, 1996 Addend	<u>1a</u> (1992 through 19	92 Adder	nda for Class MC and	d CC and their supp
Identification of Comp	onents:					й .	
Column 1	Column 2	Column 3	Column 4	Column 5	Col 6	Column 7	Column 8
Name of Component	Name of Mfg	Mfg Serial No.	National Board No.	Other Identification	Year Built		ASME Code Stamped (yes or no)
		5001010				Corrected,	O No
VALVE INV-124	FISHER CONTROLS	5921346	739	N/A	1975		⊠Yes
			•				
			•			Removed,	
		•					🗆 No
:						□ Installed	□ Yes
				· · ·		Corrected,	🗆 No
······································		r The states of the states of					□ Yes □ No
						Bemoved,	
							🗆 Yes
							<u> </u>
			·····		· · · · · · · · · · · · · · · · · · ·	Corrected, Removed,	
	52 Plant Address: M 12 Unit: 12 1 Work Performed By: Address: Type Code Symbol St (a) Identification of Sy (a) Applicable Constr (b) Applicable Edition Identification of Comp	526 S. Church Street, Charlotte, 526 S. Church Street, Charlotte, Plant Address: McGuire Nuclear Station 12700 Hagers Ferry Road, Hunte Unit: D1 D1 D2 Work Performed By: Duke Power Company Address: 526 S. Church Street, Charlott Type Code Symbol Stamp: N/A Authorization No. N (a) Identification of System: NV (a) Applicable Construction Code: ASME III 1971 Ed (b) Applicable Edition of Section XI Utilized for Repaired Identification of Components: Column 1 Name of Component Name of Mfg	526 S. Church Street, Charlotte, NC 28201-1006 Plant Address: McGuire Nuclear Station 12700 Hagers Ferry Road, Huntersville, NC 28078 Unit: II II II II II II III III III IIII IIII IIII IIII IIII IIII IIII IIII IIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIII	526 S. Church Street, Charlotte, NC 28201-1006 Plant Address: McGuire Nuclear Station	526 S. Church Street, Charlotte, NC 28201-1006 Plant Address: McGuire Nuclear Station	526 S. Church Street, Charlotte, NC 28201-1006 Plant Address: McGuire Nuclear Station 12700 Hagers Ferry Road, Huntersville, NC 28078 Unit: Image:	S26 S. Church Street, Charlotte, NC 28201-1006 Sheet Plant Address: McGuire Nuclear Station

.

Form NIS-2 (Back)

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8 1/2 in. x 11 in. (2) information in items 1 through 6 on this report is included on Lch 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 plug assembly

8. Tests Conducted:Hydrostatic D Pneumatic Nom. Operating Press. Other Exempt

°F

°F

		Pressure	psig	Test Temp	
		Pressure	psig	Test Temp.	
0		Pressure	psig	Test Temp.	
э.	Remarks _				

(Applicable Manufacturer's Data Reports to be attached)

CERTIFICATE OF COMPLIAN I certify that the statements made in the report are correct and of the ASME Code, Section XI.	ICE nd this conforms to the requirements
Type Code Symbol Stamp <u>N/A</u> Certificate of Authorization No. <u>N/A</u> Signed FR Sorrow, QA Tech Specialist Owner or Owner's Designee, Title	Expiration Date <u>N/A</u> Date <u>10/01/02</u>

CERTIFICATE OF INSERVICE INSPECTION -الله ما ام مع

	HS HS has acc By or in Rep any insp	CT have inspected the components described in this Owner's Report during the period CT have inspected the components described in this Owner's Report during the period CT have inspected the components described in this Owner's Report during the period to (D); and state that to the best of my knowledge and belief, the Owner beformed examinations and taken corrective measures described in this Owner's Report in rdance with the requirements of ASME Code, Section XI. gning this certificate neither the Inspector nor his employer makes any warranty, expressed plied, concerning the examinations and corrective measures described in this Owner's rt. Furthermore, neither the Inspector nor his employer shall be liable in any manner for personal injury or property damage or a loss of any kind arising from or connected with this to for Signature Commissions <u>NB7728, NC853, N-I</u> National Board, State, Province and Endorsements
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FORM NIS-2 OWNER'S REPORT FOR REPAIR / REPLACEMENT ACTIVITY As Required By The Provisions Of The ASME Code Section XI

1.	Owner Address:	Duke Power Company					1a. Date_	10/05/02
		526 S. Church Street, Charlotte	NC 28201-1006				Sheet	_1_ of _1
2.	Plant Address:	McGuire Nuclear Station						
		12700 Hagers Ferry Road, Hun	tersville. NC 28078					
28	Unit: 🖾1 🗆2	□3 □Shared (specify Units _)				
				/				
3.	Work Performed B Address:	y: <u>Duke Power Company</u> 526 S. Church Street, Charlot	to NC 29201-1006		3a. W	ork Orde	# :98392305/01	
	Address.	520 S. Ondich Street, Chanor	19 140 20201-1000				Repair Organization	Job #
	Type Code Symbol	Stamp: N/A Authorization No.	VA Expiration Date: N	<u>/A</u>	3b. N	SM or MN	1#: <u>N/A</u>	
4.	(a) Identification o	f System: <u>SV</u>		4. (b) Class d	of System: <u>B</u>	·		
5.	(a) Applicable Cor	nstruction Code: <u>ASME III</u> 19 <u>71</u> E tion of Section XI Utilized for Rep	dition, Summer and W	/inter Addenda,			Code	Cases
	(b) Applicable Edi	tion of Section XI Utilized for Rep	air / Replacement Activ	vity: 1995, 1996 Addend	a (1992 through 19	92 Adden	da for Class MC and	I CC and their supports
6.	Identification of Co	mponents:	•					
	Column 1	Column 2	Column 3	Column 4	Column 5	Col 6	Column 7	Column 8
	Name of Component	Name of Mfg	Mfg Serial No.	National Board No.	Other Identification	Year Built	Corrected, Removed, or Installed	ASME Code Stamped (yes or no)
A		Debasels 0 14/					Corrected,	🗆 No
	Valve 1SV-19	Babcock & Wilcox	15958-2-4	10	N/A	1977	□ Removed,	
в	· · · · · -		· · · · · · · · · · · · · · · · · · ·	· · · · · · · · · · · · · · · · · · ·			☑ Installed □ Corrected,	⊠Yes □ No
-				•			Bemoved.	
							□ Installed	Yes
С							Corrected,	🗆 No
							□ Removed,	
D						ļ	□ Installed	
U							 Corrected, Removed, 	🗆 No
	х. Х						□ Installed	□ Yes
Е							Corrected.	
							□ Removed,	
							□ Installed	□ Yes
Ч							Corrected,	🗆 No
							Removed,	
L	l <u></u>			I			Installed	Yes

4

Form NIS-2 (Back)

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

7. Description of Work<u>Replaced Plug Assembly</u>

8. Tests Conducted:Hydrostatic

Pressure	psig	Test Temp.	°F
Pressure	psig	Test Temp.	 °F
Pressure	psig	Test Temp.	 •F

9. Remarks

(Applicable Manufacturer's Data Reports to be attached)

CERTIFICATE OF COMPLIA I certify that the statements made in the report are correct a of the ASME Code, Section XI.	NCE and this conforms to the requirements
Type Code Symbol Stamp <u>N/A</u> Certificate of Authorization No. <u>N/A</u>	Expiration Date <u>N/A</u>
Signed JALance FR Sorrow, QA Tech Specialist	Date <u>10/05/02</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 <u>North Carolina</u> and employed by <u>HSB CT</u> have inspected the components described in this Owner's Report during the period <u>1-33-03</u> to /0-7-02; and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of ASME Code, Section XI. By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection.

R.D. Klein Inspector's Signature

Date (D-7, 2002

Commissions <u>NB7728, NC853, N-1</u> National Board, State, Province and Endorsements

FORM NIS-2 OWNER'S REPORT FOR REPAIR / REPLACEMENT ACTIVITY

As Required B	y The	Provisions Of	The ASME Code Section XI	

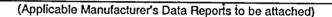
1.	Owner Address:	Duke Power Company					1a. Date_	10/03/02
		526 S. Church Street, Charlotte	e. NC 28201-1006				Sheet	_1 of _1
2.	Plant Address:	McGuire Nuclear Station						
		12700 Hagers Ferry Road, Hur	ntersville, NC 28078					
2a.	Unit: 🛛 1 🗆 2	D3 DShared (specify Units)				
					t s			
3.	Work Performed By Address:	y: <u>Duke Power Company</u> 526 S. Church Street, Charlo	NC 28201-1006		3a. W	/ork Orde	r # : <u>98403285/05</u>	
		JEC D. ONDICH Diffel. Ondic	Ale 110 20201-1000				Repair Organization	1 Job #
	Type Code Symbol	Stamp: <u>N/A</u> Authorization No.	N/A Expiration Date: N/	<u>A</u>	3b. N	SM or MN	f#: <u>N/A</u>	
4.	(a) Identification o	f System: <u>SM</u>		4. (b) Class	of System:B			
5.	(a) Applicable Cor	struction Code: ASME III 1971	Edition Summer and W	inter Addende	N/A		Cada	Canaa
0.	(b) Applicable Edi	nstruction Code: <u>ASME III</u> 19 <u>71</u> tion of Section XI Utilized for Re	pair / Replacement Activi	ity: <u>1995, 1996 Addend</u>	da_(1992 through 19	92 Adder	nda for Class MC and	d CC and their supports
6.	Identification of Co		· · · · ·			• *		
	Column 1	Column 2	Column 3	Column 4	Column 5	Col 6	Column 7	Column 8
	Name of Component	Name of Mig	Mig Serial No.	National Board No.	Other Identification	Year Built	Corrected, Removed, or Installed	ASME Code Stamped (yes or no)
A							Corrected,	
	VALVE 1SM-9	5 KEROTEST	TEG1-1	20402	N/A	1977	Removed,	
в				•			Installed Corrected.	⊠ Yes □ No
				•			Bemoved.	
		·····			-	<u> </u>	□ Installed	🗆 Yes
С	1						Corrected,	
							□ Removed, □ Installed	□ Yes
D	i						Corrected,	
							Removed,	
E							□ Installed	
							□ Corrected, □ Removed,	
							□ installed	□ Yes
F							Corrected,	□ No
			,				Removed, Installed	
						1	I LI Installed	

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Form NIS-2 (Back)

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

adoloun iyuloslallo L	J Pheumatic	LI Nom. Operating	Press. Other Exen	npt⊠
Pressure	psig	Test Temp	°F	
Pressure	psig	Test Temp.		
Pressure	psig	Test Temp.		



CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp <u>N/A</u> Certificate of Authorization No. <u>N/A</u>

Expiration Date N/A

Signed <u>Mannow</u> FR Sorrow, QA Tech Specialist Owner or Owner's Designee, Title

Date <u>10/03/02</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 <u>North Carolina</u> and employed by <u>HSB CT</u> have inspected the components described in this Owner's Report during the period $\frac{10220Z}{10}$ to $\frac{10-3}{202}$; and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of ASME Code, Section XI.

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

🔨 R D. Klein Inspector's \$ignature

Commissions NB7728, NC853, N-I

Date 10-3- 2002

National Board, State, Province and Endorsements

FORM NIS-2 OWNER'S REPORT FOR REPAIR / REPLACEMENT ACTIVITY As Required By The Provisions Of The ASME Code Section XI

Date <u>09/26/02</u> Sheet <u>1</u> of <u>1</u> 01/08 rgenization Job #
91/08
rgenzanon Joo #
-
0.4.0
Code Cases MC and CC and their su
n 7 Column 8
noved, or ASME Code Stampe
ed, 🖾No
ed, 🛛 🖸 Yes
ed, 🛛 No
ed,
ed, 🛛 No ed,
ed, 🛛 No
ed,
d 🗌 Yes ed, 🖉 No
ed,
J 🗌 Yes
· ·

Page 1 of 2

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Form NIS-2 (Back)

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

7. Description of Work Modified items 11, 12 and 13 and replaced item 14.

8. Tests Conducted:Hydrostatic D Pneumatic Nom. Operating Press. Other Exemptia

Pressure _____psig Pressure _____psig Pressure _____psig

Test Temp. _____°F Test Temp. _____°F Test Temp. _____°F

9. Remarks _

(Applicable Manufacturer's Data Reports to be attached)

CERTIFICATE OF COMPLIA I certify that the statements made in the report are correct a of the ASME Code, Section XI.	
Type Code Symbol Stamp <u>N/A</u> Certificate of Authorization No. <u>N/A</u>	Expiration Date <u>N/A</u>
Signed J. Journey FR Sorrow, QA Tech Specialist Owner or Owner's Designee, Title	Date <u>09/26</u> , <u>2002</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 <u>North Carolina</u> and employed by <u>HSB CT</u> have inspected the components described in this Owner's Report during the period 945-02 to 9-26-02; and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of ASME Code, Section XI.

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

ии__R.D. Klein__ Inspector's Signature

Commissions ____NB7728, NC853, N-I____

National Board, State, Province and Endorsements

Date 926 ____ 2002

FORM NIS-2 OWNER'S REPORT FOR REPAIR / REPLACEMENT ACTIVITY As Required By The Provisions Of The ASME Code Section XI

1.	Owner Address:	Duke Power Company					1a. Date _	09/27/02
		526 S. Church Street, Charlotte	a. NC 28201-1006				Sheet	_1_of_1
2.	Plant Address:	McGuire Nuclear Station				1. T		•
		12700 Hagers Ferry Road, Hur	tersville, NC 28078					
2a	Unit: 🖾1 🗀2	□3 □Shared (specify Units		\				
			· · · · · · · · · · · · · · · · · · ·					
З.	Work Performed B Address:	y: Duke Power Company 526 S. Church Street, Charlo	Ho NC 29201-1006		3a. W	/ork Orde	r # : <u>98438283/01</u>	
	Address.	SEC O. ONGION SUGER, ONAIC	MB NO 20201-1000	÷			Repair Organization	Job#
	Type Code Symbol	Stamp: N/A Authorization No.	N/A Expiration Date: N/	<u>A</u>	3b. N	SM or MM	/i #:N/A	
4.	(a) Identification o	f Svstem: NV		4. (b) Class		÷		
	•				-	· · ·		
5.	(a) Applicable Cor (b) Applicable Edit	nstruction Code: <u>ASME III</u> 19 <u>71</u> I tion of Section XI Utilized for Rej	Edition, <u>Summer and W</u>	inter Addenda,	N/A	00 Add		le Cases
				ny. <u>1995, 1990 Addend</u>	<u>ua (1992 miougn 18</u>	92 Adder	ida for class MC and	d CC and their supp
6.	Identification of Co	mponents:						
	Column 1	Column 2	Column 3	Column 4	Column 5	Col 6	Column 7	Column 8
	Name of Component	Name of Mfg	Mfg Serial No.	National Board No.	Other Identification	Year Bullt	Corrected, Removed, or Installed	ASME Code Stamped (yes or no)
A						1	Corrected,	
	VALVE 1NV-22	7 KEROTEST	CK2-17	3969	N/A	1974	Removed,	
в				•			Installed	
-				,			Corrected, Removed,	🗆 No
							Installed	🗆 Yes
С						1	Corrected,	
					· ·		□ Removed,	
D							□ Installed	
U			•				 Corrected, Removed, 	C No
							□ Removed, □ Installed	🗆 Yes
Е							Corrected,	
							Removed,	
							□ Installed	Yes
F							Corrected,	D No
							Removed,	□ Yes

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3

Form NIS-2 (Back)

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

7.	Description	of Work	Replaced Disc
----	-------------	---------	---------------

8. Tests Conducted:Hydrostatic Deneumatic Nom. Operating Press. Other Exempt

Pressure	psig	Test Temp
Pressure	psig	Test Temp
Pressure	psig	Test Temp

9. Remarks

(Applicable Manufacturer's Data Reports to be attached)

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

Type Code Symbol Stamp N/A Certificate of Authorization No. N/A

FR Sorrow, QA Tech Specialist Signed 7 Owner or Owner's Designee, Title

Expiration Date N/A

°F ٩F

Date 09/27, 2002

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of North Carolina and employed by HSB CT have inspected the components described in this Owner's Report during the period 9 - 2 + 6 = 10 - 2 - 22; and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of ASME Code, Section XI.

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

MR.D. Klein Commissions NB7728, NC853, N-I Inspector's Signature National Board, State, Province and Endorsements Date / U-2 ~ . 2002

FORM NIS-2 OWNER'S REPORT FOR REPAIR / REPLACEMENT ACTIVITY

As Required By	The Provisions Of The ASME Code Section XI	

1	Owner Address:	Duke Power Company					to Data	10/00/00
1.	Owner Address.				·		_	10/08/02
		526 S. Church Street, Charlot	te. NC 28201-1006_				Sheet	_1_ of _1
2.	Plant Address:	McGuire Nuclear Station	·····					
		12700 Hagers Ferry Road, Hu	Intersville, NC 28078					
	Unit: 🗵1 🗆2) <u>· · · · · · · · · · · · · · · · · · ·</u>	`	.			
а.)				
•	Work Performed B	y: Duke Power Company			3a. W	ork Orde	r # : <u>98441089/04</u>	
	Address:	526 S. Church Street, Char	otte NC 28201-1006				Repair Organization	i Job #
	Type Code Symbo	Stamp: N/A Authorization No.	N/A Expiration Date: N/A		3b N	SM or MN	/l #:N/A	
				-			<u></u>	
	(a) Identification of	of System: NC		4. (b) Class	of System: <u>A</u>			
	(a) Applicable Co	notruction Code: ASME III 1071	Edition - Summer and Mile	ntes Addende	N1/A		•	
	(a) Applicable Col (b) Applicable Edi	nstruction Code: <u>ASME III</u> 19 <u>71</u> ition of Section XI Utilized for Re	pair / Replacement Activit	<u>nier</u> Addenda, <u> </u>	N/A 1a (1992 through 19	92 Adder	U00 Inda for Class MC an	le Cases d CC and their our
					<u>a (1992 unough 19</u>			
	Identification of Co	mponents:						
	Column 1	Column 2	Column 3	Column 4	Column 5	Col 6	Column 7	Column 8
	Name of Component	Name of Mig	Mig Serial No.	National Board No.	Other Identification	Year Built	Corrected, Removed, or installed	ASME Code Stamped (yes or no)
							Corrected,	
	Valve 1NC-1	Crosby	N56925-00-0007	523	N/A	1978	IXI Removed,	
			and the second sec				□ Installed	X Yes
3	Val	O masku		•			Corrected,	🗆 No
	Valve 1NC-1	Crosby	N56925-00-0004	28	N/A	1974	Removed,	
;							⊠Installed	X Yes
,				•		-	Corrected,	□ No
							Removed, Installed	🗆 Yes
1							Corrected.	
,					1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 -		B Removed.	
	· ·						□ Installed	☐ Yes
							Corrected,	
							B Removed,	
							□ Installed	□ Yes
							Corrected,	□ No
							E Removed,	
					1	1	Installed	☐ Yes

.

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

7. Description of Work PM change out of valves

8. Tests Conducted:Hydrostatic D Pneumatic Nom. Operating Press. I Other Exempt

		Pressure 223	<u>38 psig</u>	Test Temp.	558 °F
		Pressure	psig	Test Temp.	°F
~	-	Pressure	psig	Test Temp.	°F
9.	Hemarks	Leak Test was pe	rformed on cla	iss A walkdowr	W/O: 98441656/01

(Applicable Manufacturer's Data Reports to be attached)

CERTIFICATE OF COMPLIANCE I certify that the statements made in the report are correct and this conforms to the requirements of the ASME Code, Section XI. Type Code Symbol Stamp N/A Certificate of Authorization No. N/A Expiration Date N/A

Owner or Owner's Designee, Title

Date 10/08/02

CERTIFICATE OF INSERVICE INSPECTION

Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection.

- R D. Klein

Date <u>10 - 8 2002</u>

Signed

Commissions <u>NB7728, NC853, N-I</u>

National Board, State, Province and Endorsements

Ca	CR'OSEY		VALVE & HAUC	•••
		J	WRENTHAM, MASS	
ļ	r			Q.C44B
Ī	FORM NI	-1 FOR SAFETY AND SA	FETY RELIEF VALVES	28-28
	AE req	used by the Provisions of	the ASME Lode Rairs	
		DATA REPOR Safety and Safety Rei	IT	
Ŭ		Guilety and Shiely Me.		
	1. Manufactured By Crosby Valve	& Cage Company,	43 Kendrick Street., Wr	entham, Mass. U20
	1. Manufactured By 6N6 HB-BP-86	Name and Addr	e > 1	(100 / 7 /
	Model No. N-56925	Order No. N-300580	-A Contract Date_	6/20/74
	Duke Power	Company	· · · ·	A-33957
	Duke Power 2. Manufactured For <u>Charlotte</u>	North Carolina	Order No.	
		ame and Address	St., Charlotte, North	Carolina 28201
	3. Owner Duke Power Company,			
		Name and Address		Coroling
	4. Location of Plant McGuire Nuc	lear Station Unit	#1, Cowans Ford, North	
1	2-NC-1	N56923	DS-	C-56925 Rev. 0
	6. Valve Identification 2-NC-1	Serial No.	2.154	· · · ·
	Type Safety	Orifice	Size Pipe Size I	niet – Ouliel
	Safety.Safety Relief.Pilot.Pow	ver Actuated	lucu tucu	Inch Inch
	6. Set Pressure (PSIG) 2485#	<u> </u>	- 700 Rated Ten	1
i i		.		
O	Stamped Capacity420006#/I	Ir. <u> </u>	Overpressure 3 Blowdown (P	SIG)
1	Hydrostatic Test (PSIG) Inlet	4575	Complete Valve750	
	•	· t		. •
	7. The material, design, construction a	nd workmanship comply wi	th ASME Code. Section In-	
\mathbf{Y}	Class 1 Editio	a <u>1971</u>	Addenda Date Winte	r 1972
		•	• •	
4	Pressure Containing or Pressure Re	taining Components		
	•	Senal No.		Specification
1. 1. Land	A. Castings	Identification	ASTM A-351-7	Type or Grade
	a. Castings			
	Body	<u>N90397-32-000</u>	ASTM A-105-7	I Gr. II
2 19	Bonnet	N90353-33-000	ASME_SA-105-	Gr. II
	•		·	
	b. Bar Stock and Forgings			
	Support Rods			
1	Nozzle	<u>N90399-32-000</u>	6 <u>ASME SA-182</u>	
	Disc Insert	N90426-32-000		lite Gr. B6
·	Тор	N9C 350-33-008 N9C 350-33-008	ASTM A-105-	
•	Spring Washers Bottom		ASTM A-193-	70 Gr. 86 Cr 86
•	Adjusting Bolt	N90351-35-003	ASTM A-193-	// (.r. DV
Ċ	Spindle	N90354-31-000	8 ASME SA-191	<u>Gr. Bb</u> 72 Type 440C
\sim		N90355-0008	ASTM A-276- ASME SA-276	'Type 4400
	Spindle Ball			
	•			
	1			
\sim				1 (Ch

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		Serial No. or	Material Specification
		Identification	Including Type or Grade
c. Spring		NX2671-0019	ASTN-A-304 Gr. 51860H
d. Bolting	i de la companya de la		
	rts such as Pilot Compo	nents	
	lolder	N90356-32-0008	Inconel 718
			ASTM A-193-71 Gr. 87
Bonnet	Stud	87589	ASME SA-193 Gr. B7
	t Stud Nut	2371	ASTM A-194-71 Gr. 2H ASME SA-194 Gr. 2H
			· · ·
Design	of Authorization No Information on 1 Report No. EC-1	File at Crosby Valve & O	
0-0-6-			
1		CERTIFICATE OF SHOP INSPI	
			ECTION
	Pressure Vessel Insp Mutual Boiler inspected the equipme state that to the best	widing a valid commission issued b ectors and the State or Province of <u>A Machimery Insurance Co</u> ent described in this Data Report or of my knowledge and belief, the Ma	the National Board of Boiler and Mass. and employed by 5.#Waltham, Mass. have September 18 1974 and nulacturer has constructed this equip-
	Pressure Vessel Inspi Mutual Boiler inspected the equipme state that to the best ment in accordance with By signing this certi- pressed or implied, certi- the Inspector nor his state	ectors and the State or Province of . <u>A Machimery Insurance Co</u> ent described in this Data Report or of my knowledge and belief, the Ma of my knowledge and belief, the Ma of the applicable Subsections of A ficate, meather the Inspector nor his oncerning the equipment described is employer shall be liable in any man	by the National Board of Boiler and <u>Mass</u> and employed by <u>Ass</u> have <u>September 19</u> 1975 and nulacturer has constructed this equip- SME Section III. s employer makes any warranty. ex- n this Data Report. Furthermore, neither ner for any personal injury or property

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I. Own	er Address:	Duke Power Company					1a. Date	
		526 S. Church Street, Charlotte	NC 28201-1006	:	•		Sheet	_1 of _1
2. Plant	Address:	McGuire Nuclear Station						
		12700 Hagers Ferry Road, Hur	tersville, NC 28078	, ,	†			
a. Unit:	⊠1 ⊡2	□3 □Shared (specify Units)	•			
3. Work Addr		y: <u>Duke Power Company</u> 526 S. Church Street, Charlo	tte NC 28201-1006	· · · · · · · · · · · · · · · · · · ·	3a. W	ork Ordei	#: <u>9844146</u> Repeir Organization	
Туре	Code Symbol	I Stamp: <u>N/A</u> Authorization No.	<u>N/A</u> Expiration Date: <u>N</u>	/A	3b. N	SM or MM	#:NA	
. (a) I	Identification o	of System:Reactor Coolant (I	NC) System	4. (b) Class	of System: <u>A</u>			
		1 ×					Code C	2222
i. (a) / (b) /	Applicable Col Applicable Edi	nstruction Code: <u>ASME III</u> 19 <u>71</u> I tion of Section XI Utilized for Re	pair / Replacement Acti	vity: 1995, 1996 Adden	<u>da</u> (1992 through 19	92 Adden	da for Class MC and	d CC and their sup
. Ident	ification of Co	mponents:						
			•					
	umn 1	Column 2	Column 3	Column 4	Column 5	Col 6	Column 7	Column 8
	of Component	Column 2 Name of Mfg	Column 3 Mtg Serial No.	Column 4 Netional Board No.	Column 5 Other Identification	Col 6 Year Bulit		
Name A Co	of Component Ontrol Valve f	Name of Mfg for Lisega USA Inc			Other Identification Part 4, Rear		Corrected, Removed, or Installed	ASME Code Stamped
Name C	of Component	Name of Mfg for Lisega USA Inc	Mfg Serial No.	National Board No.	Other Identification	Year Built	Corrected, Removed, or Installed	ASME Code Stamped (yes or no)
Name Co S	of Component ontrol Valve f /G Snubber 1	Name of Mig for Lisega USA Inc IA	Mig Seriel No. NA	National Board No. NA	Other Identification Part 4, Rear Compartment	Year Built NA	Corrected, Removed, or Installed □ Corrected, ☑ Removed, □ Installed	ASME Code Stamped (yes or no)
	of Component ontrol Valve f /G Snubber 1 ontrol Valve f	ior Lisega USA Inc IA for Lisega USA Inc	Mfg Serial No.	National Board No.	Other Identification Part 4, Rear Compartment Part 5, Front	Year Built	Corrected, Removed, or Installed Corrected, Removed, Installed Corrected,	ASME Code Stamped (yes or no)
Name Co S/ B Co	of Component ontrol Valve f /G Snubber 1	ior Lisega USA Inc IA for Lisega USA Inc	Mig Seriel No. NA	National Board No. NA	Other Identification Part 4, Rear Compartment	Year Built NA	Corrected, Removed, or Installed □ Corrected, ☑ Removed, □ Installed	ASME Code Stamped (yes or no)
Name Co S Co S	of Component ontrol Valve f /G Snubber 1 ontrol Valve f	ior Lisega USA Inc A Lisega USA Inc for Lisega USA Inc IA	Mig Seriel No. NA	National Board No. NA	Other Identification Part 4, Rear Compartment Part 5, Front Compartment Part 4, Rear	Year Built NA	Corrected, Removed, or Installed Corrected, Removed, Installed Corrected, Removed, Installed Corrected, Corrected,	ASME Code Stamped (ves or no) I No Ves Ves I No
Name A Cá S 3 Cá S 5 Cá	of Component ontrol Valve f /G Snubber 1 ontrol Valve f /G Snubber 1	Name of Mfg for Lisega USA Inc IA Lisega USA Inc IA Lisega USA Inc IA Lisega USA Inc	Mfg Seriel No. NA NA	National Board No. NA NA	Other Identification Part 4, Rear Compartment Part 5, Front Compartment	Year Bulk NA NA	Corrected, Removed, or Installed Corrected, Removed, Installed Corrected, Removed, Installed Corrected, Corrected, Removed, Removed,	ASME Code Stamped (ves or no) I No I Yes I No I Yes INo
Name A C(S) B C(S) C C S	ontrol Valve f /G Snubber 1 ontrol Valve f /G Snubber 1 ontrol Valve f /G Snubber 1	Name of Mfg for Lisega USA Inc IA Lisega USA Inc IA Lisega USA Inc IA Lisega USA Inc	Mfg Seriel No. NA NA NA	National Board No. NA NA NA	Other Identification Part 4, Rear Compartment Part 5, Front Compartment Part 4, Rear Compartment	NA NA NA	Corrected, Removed, or Installed □ Corrected, □ Installed □ Corrected, □ Removed, □ Installed □ Corrected, □ Installed □ Corrected, □ Removed, □ Removed, □ Installed	ASME Code Stamped (ves or no) Ves Ves Vo Ves Vo Ves Vo Ves
Name A Ci 3 Ci 3 Ci 5 Si 5 C 5 C	ontrol Valve f /G Snubber 1 /G Snubber 1 /G Snubber 1 ontrol Valve f /G Snubber 1	Name of Mfg for Lisega USA Inc IA Lisega USA Inc ior Lisega USA Inc IA Lisega USA Inc ior Lisega USA Inc IA Lisega USA Inc	Mfg Seriel No. NA NA	National Board No. NA NA	Other Identification Part 4, Rear Compartment Part 5, Front Compartment Part 4, Rear Compartment Part 5, Front	Year Bulk NA NA	Corrected, Removed, or Installed Corrected, Removed, Corrected, Removed, Installed Corrected, Removed, Removed, Removed, Installed Corrected, Corrected, Corrected, Corrected,	ASME Code Stamped (ves or no) I No I Yes I No I Yes INo
Name A C(S) B C) C C S D C	ontrol Valve f /G Snubber 1 ontrol Valve f /G Snubber 1 ontrol Valve f /G Snubber 1	Name of Mfg for Lisega USA Inc IA Lisega USA Inc ior Lisega USA Inc IA Lisega USA Inc ior Lisega USA Inc IA Lisega USA Inc	Mfg Seriel No. NA NA NA	National Board No. NA NA NA	Other Identification Part 4, Rear Compartment Part 5, Front Compartment Part 4, Rear Compartment	NA NA NA	Corrected, Removed, or Installed □ Corrected, □ Installed □ Corrected, □ Removed, □ Installed □ Corrected, □ Installed □ Corrected, □ Removed, □ Removed, □ Installed	ASME Code Stamped (ves or no) Ves Vos Ves Vos Ves Vos
Name A Ci S C C S C C S C S S	ontrol Valve f /G Snubber 1 /G Snubber 1 /G Snubber 1 ontrol Valve f /G Snubber 1	Name of Mfg for Lisega USA Inc IA Lisega USA Inc ior Lisega USA Inc IA Lisega USA Inc ior Lisega USA Inc IA Lisega USA Inc	Mfg Seriel No. NA NA NA	National Board No. NA NA NA	Other Identification Part 4, Rear Compartment Part 5, Front Compartment Part 4, Rear Compartment Part 5, Front	NA NA NA	Corrected, Removed, or Installed Corrected, Removed, Corrected, Removed, Installed Corrected, Removed, Installed Corrected, Removed, Installed Corrected, Removed, Installed Corrected, Corrected, Corrected, Corrected, Corrected, Corrected,	ASME Code Stamped (ves or no) Ves Vo Ves Vo Ves Vo Ves Ves Vo Ves Vo Ves
Name A Ci S 3 Ci S 5 C C S 0 C	ontrol Valve f /G Snubber 1 /G Snubber 1 /G Snubber 1 ontrol Valve f /G Snubber 1	Name of Mfg for Lisega USA Inc IA Lisega USA Inc ior Lisega USA Inc IA Lisega USA Inc ior Lisega USA Inc IA Lisega USA Inc	Mfg Seriel No. NA NA NA	National Board No. NA NA NA	Other Identification Part 4, Rear Compartment Part 5, Front Compartment Part 4, Rear Compartment Part 5, Front	NA NA NA	Corrected, Removed, or Installed Corrected, Removed, Corrected, Removed, Installed Corrected, Removed, Installed Corrected, Removed, Installed Corrected, Removed, Installed Corrected, Removed, Removed, Removed, Removed, Removed, Removed, Removed, Removed, Removed, Removed, Removed, Removed,	ASME Code Stamped (ves or no) Ves No Yes No Yes No Yes No Yes No Yes No
Name Name S S C C S C S C S C S C S C S S C S S C S S S C S S S S S S S S S S S S S	ontrol Valve f /G Snubber 1 /G Snubber 1 /G Snubber 1 ontrol Valve f /G Snubber 1	Name of Mfg for Lisega USA Inc IA Lisega USA Inc ior Lisega USA Inc IA Lisega USA Inc ior Lisega USA Inc IA Lisega USA Inc	Mfg Seriel No. NA NA NA	National Board No. NA NA NA	Other Identification Part 4, Rear Compartment Part 5, Front Compartment Part 4, Rear Compartment Part 5, Front	NA NA NA	Corrected, Removed, or Installed Corrected, Removed, Installed Corrected, Removed, Installed Corrected, Removed, Installed Corrected, Removed, Installed Corrected, Removed, Installed Corrected, Removed, Installed	ASME Code Stamped (ves or no) Ves Ves Vo Ves Vo Ves Vo Ves Vo Ves Vo Ves Ves Vo Ves Ves Vo Ves Ves Ves Vo Ves Ves Ves Ves Ves Ves Ves Ves
Name A Ci S C C S C C S C S S	ontrol Valve f /G Snubber 1 /G Snubber 1 /G Snubber 1 ontrol Valve f /G Snubber 1	Name of Mfg for Lisega USA Inc IA Lisega USA Inc ior Lisega USA Inc IA Lisega USA Inc ior Lisega USA Inc IA Lisega USA Inc	Mfg Seriel No. NA NA NA	National Board No. NA NA NA	Other Identification Part 4, Rear Compartment Part 5, Front Compartment Part 4, Rear Compartment Part 5, Front	NA NA NA	Corrected, Removed, or Installed Corrected, Removed, Corrected, Removed, Installed Corrected, Removed, Installed Corrected, Removed, Installed Corrected, Removed, Installed Corrected, Removed,	ASME Code Stamped (ves or no) Ves Ves Vo Ves No Ves No Ves No Ves No Ves No

Page 1 of 2

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

7. Description of Work Replaced snubber control valves

8. Tests Conducted:Hydrostatic D Pneumatic Nom. Operating Press. Other D Exempt

	Pressure	psig	Test Temp.	۰F
	Pressure	psig	Test Temp.	۰F
.	Pressure	psig	Test Temp.	 F
Remarks	Bench tested snul	hher control v	alvoc · <u> </u>	

Unition valves

9.

(Applicable Manufacturer's Data Reports to be attached)

CERTIFICATE OF COMPLIANCE I certify that the statements made in the report are correct and this conforms to the requi of the ASME Code, Section XI.					
Type Code Symbol Stamp <u>N/A</u> Certificate of Authorization No. <u>N/A</u> Signed <u>HelStank H.E. Black, Maint. Tech Specialis</u> Owner or Owner's Designee, Title	Expiration Date <u>N/A</u> st Date <u>9/24/02</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 CT have inspected the components described in this Owner's Report during the period 9-20-02 to 9-26-02; and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of ASME Code, Section XI. By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this

inspection. R.D. Klein Commissions NB7728, NC853, N-I Signature Date 4 2002

National Board, State, Province and Endorsements

(~	FORM	I NIS-2 OWNER'S RE As Required By T	PORT FOR REPAIR			TY	
. (Owner Address: [Duke Power Company					1a. Date _	10/08/02
	5	526 S. Church Street. Charlotte	NC 28201-1006				Sheet	<u>10f1</u>
۱	Plant Address:	McGuire Nuclear Station		<i></i>				
	-	12700 Hagers Ferry Road, Hun	tersville, NC 28078					
ţ	- Unit: 図1 〇2 〔	□3 □Shared (specify Units)				-
1	Work Performed By:	Duke Power Company			3a. W	/ork Orde	r#:9847901	9-09
	Address:	526 S. Church Street, Charlo	tte NC 28201-1006	•			Repeir Organization	
•	Type Code Symbol S	Stamp: N/A Authorization No.]	N/A Expiration Date: N/	A	35. N	SM or MN	/ #: <u>12129</u>	*.
		System: SM (N			Class of System	• .		· · ·
((a) identification of a			+, (D)	Viasa Vi Syster		Code Ca	
((b) Applicable Editio	truction Code: <u>ASME III</u> 19 <u>71</u> E on of Section XI Utilized for Rep ponents:	pair / Replacement Activ	ity: <u>1995, 1996 Adden</u>	<u>da</u> (1992 through 19	92 Adder	nda for Class MC and	d CC and their su
1	(b) Applicable Editio	on of Section XI Utilized for Rep	pair / Replacement Activ	ity: <u>1995, 1996 Addens</u> Column 4	Column 5	Col 6	Column 7	Column 8
1	(b) Applicable Editio	on of Section XI Utilized for Rep ponents:	pair / Replacement Activ	ity: <u>1995, 1996 Adden</u>	• · · · · · · · · · · · · · · · · · · ·	•	Column 7	Column 8
1	(b) Applicable Editio Identification of Comp Column 1	on of Section XI Utilized for Rep ponents: Column 2	pair / Replacement Activ	ity: <u>1995, 1996 Addens</u> Column 4	Column 5	Col 6	Column 7 Corrected, Removed, or Instatled Corrected, I Removed,	Column 8 ASME Code Stampe (yes or no)
1	(b) Applicable Editio Identification of Comp Column 1 Name of Component 1SM-16	on of Section XI Utilized for Rep ponents: Column 2 Name of Mfg KEROTEST	Column 3 Mfg Serial No. AKA1-10	ity: <u>1995, 1996 Addens</u> Column 4 National Board No. 6981	Column 5 Other Identification 1SM	Col 6 Year Built 1975	Column 7 Corrected, Removed, or Installed Corrected, Removed, Installed	Column 8 ASME Code Stampe (yes or no)
1	(b) Applicable Editio Identification of Comp Column 1 Name of Component	on of Section XI Utilized for Rep ponents: Column 2 Name of Mfg	Column 3 Mfg Serial No.	ity: <u>1995, 1996 Addens</u> Column 4 National Board No.	Column 5 Other Identification	Col 6 Year Built	Column 7 Corrected, Removed, or Instatled Corrected, Removed, Installed Corrected, Removed,	Column 8 ASME Code Stampe (yes or no)
1	(b) Applicable Editio Identification of Comp Column 1 Name of Component 1SM-16	on of Section XI Utilized for Rep ponents: Column 2 Name of Mfg KEROTEST Duke Power	Column 3 Mfg Serial No. AKA1-10	ity: <u>1995, 1996 Addens</u> Column 4 National Board No. 6981	Column 5 Other Identification 1SM	Col 6 Year Built 1975	Column 7 Corrected, Removed, or Instatled Corrected, Installed Corrected, Removed, Removed, Elinstalled	Column 8 ASME Code Stampe (yes or no) No EYes No EYes
1	(b) Applicable Editio Identification of Comp Column 1 Name of Component 1SM-16	on of Section XI Utilized for Rep ponents: Column 2 Name of Mfg KEROTEST Duke Power	Column 3 Mfg Serial No. AKA1-10	ity: <u>1995, 1996 Addens</u> Column 4 National Board No. 6981	Column 5 Other Identification 1SM	Col 6 Year Built 1975	Column 7 Corrected, Removed, or Instatled Corrected, Removed, Installed Corrected, Removed,	Column 8 ASME Code Stampe (yes or no)
1	(b) Applicable Editio Identification of Comp Column 1 Name of Component 1SM-16	on of Section XI Utilized for Rep ponents: Column 2 Name of Mfg KEROTEST Duke Power	Column 3 Mfg Serial No. AKA1-10	ity: <u>1995, 1996 Addens</u> Column 4 National Board No. 6981	Column 5 Other Identification 1SM	Col 6 Year Built 1975	Column 7 Corrected, Removed, or Installed Corrected, Removed, Corrected, Removed, Elinstalled Corrected, Removed, Elinstalled	Column 8 ASME Code Stampe (yes or no) No EYes No Yes No Yes
1	(b) Applicable Editio Identification of Comp Column 1 Name of Component 1SM-16	on of Section XI Utilized for Rep ponents: Column 2 Name of Mfg KEROTEST Duke Power	Column 3 Mfg Serial No. AKA1-10	ity: <u>1995, 1996 Addens</u> Column 4 National Board No. 6981	Column 5 Other Identification 1SM	Col 6 Year Built 1975	Column 7 Corrected, Removed, or Installed Corrected, Removed, Corrected, Removed, Sinstalled Corrected, Removed, Installed Corrected, Removed, Corrected, Corrected, Corrected, Corrected,	Column 8 ASME Code Stampe (yes or no) No EYes No EYes No
1	(b) Applicable Editio Identification of Comp Column 1 Name of Component 1SM-16	on of Section XI Utilized for Rep ponents: Column 2 Name of Mfg KEROTEST Duke Power	Column 3 Mfg Serial No. AKA1-10	ity: <u>1995, 1996 Addens</u> Column 4 National Board No. 6981	Column 5 Other Identification 1SM	Col 6 Year Built 1975	Column 7 Corrected, Removed, or Installed Corrected, Installed Corrected, Removed, Sinstalled Corrected, Removed, Installed Corrected, Removed, Installed Corrected, Installed	Column 8 ASME Code Stampe (yes or no) No EYes No Yes No Yes No Yes
1	(b) Applicable Editio Identification of Comp Column 1 Name of Component 1SM-16	on of Section XI Utilized for Rep ponents: Column 2 Name of Mfg KEROTEST Duke Power	Column 3 Mfg Serial No. AKA1-10	ity: <u>1995, 1996 Addens</u> Column 4 National Board No. 6981	Column 5 Other Identification 1SM	Col 6 Year Built 1975	Column 7 Corrected, Removed, or Installed Corrected, Removed, Installed Corrected, Removed, Installed Corrected, Removed, Installed Corrected, Removed, Installed Corrected, Cor	Column 8 ASME Code Stampe (yes or no) No EYes No Yes No Yes No Yes No
1	(b) Applicable Editio Identification of Comp Column 1 Name of Component 1SM-16	on of Section XI Utilized for Rep ponents: Column 2 Name of Mfg KEROTEST Duke Power	Column 3 Mfg Serial No. AKA1-10	ity: <u>1995, 1996 Addens</u> Column 4 National Board No. 6981	Column 5 Other Identification 1SM	Col 6 Year Built 1975	Column 7 Corrected, Removed, or Installed Corrected, Installed Corrected, Removed, Sinstalled Corrected, Removed, Installed Corrected, Removed, Installed Corrected, Installed	Column 8 ASME Code Stampe (yes or no) No EYes No Yes No Yes No Yes
1	(b) Applicable Editio Identification of Comp Column 1 Name of Component 1SM-16	on of Section XI Utilized for Rep ponents: Column 2 Name of Mfg KEROTEST Duke Power	Column 3 Mfg Serial No. AKA1-10	ity: <u>1995, 1996 Addens</u> Column 4 National Board No. 6981	Column 5 Other Identification 1SM	Col 6 Year Built 1975	Column 7 Corrected, Removed, or Instatled Corrected, Removed, Installed Corrected, Removed, Installed Corrected, Removed, Installed Corrected, Removed, Installed Corrected, Removed, R	Column 8 ASME Code Stampe (yes or no) No EYes No Yes No Yes No Yes No

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

- 7. Description of Work_INSTALL 2" BLANK COUPLING & DELETE VALVE 1SM-16
- 8. Tests Conducted:Hydrostatic D Pneumatic Nom. Operating Press. Other Exempt

	Pressure <u>1037</u> psi	g Test Temp. <u>555</u> °F
	Pressurepsi	g Test Temp°F
	Pressurepsi	g _ Test Temp°F
9.	Pressurepsi Remarks <u>N-416-1-³¹⁴ N 4/1C-Z 341 12/102</u>	15 12/10/02
	Alle-1213	<i>∽</i> ≈

(Applicable Manufacturer's Data Reports to be attached)

CERTIFICATE OF COMPLIANCE I certify that the statements made in the report are correct and this conforms to the require of the ASME Code, Section XI.							
Type Code Symbol Stamp <u>N/A</u> Certificate of Authorization No. <u>N/A</u>	Expiration Date N/A						
Signed <u>ELIZABETH P. ROBINSON</u> , Owner or Owner's Designee, Title	EXEC. SUPPORT Date 10/08/02						

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 <u>North Carolina</u> and employed by HSB CT have inspected the components described in this Owner's Report during the period 7-2.5-02 to 10^{10} to 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 ASME Code, Section XI. By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection. R.D. Klein Commissions _ NB7728, NC853, N-1 Inspector's Signature National Board, State, Province and Endorsements Date (O-2002

1.	Owner Address:	<u>Duke</u>	Power Company			,		1a. Date_	10/08/02
	•	<u>526 S</u>	. Church Street, Charlotte,	NC 28201-1006				Sheet	_1 of1
2.	Plant Address:	<u>McGu</u>	ire Nuclear Station	····					
		<u>12700</u>	Hagers Ferry Road, Hunt	ersville, NC 28078		· ·			
2a.	Unit: 🖾1 🖽2	□3	Shared (specify Units _)				
									A AA -
3.	Work Performed B Address:	iy: <u>Dui</u> 526	<u>ke Power Company</u> 5 S. Church Street, Charlot	te NC 28201-1006		3a. V	ork Orde	r # : <u>9847907</u> Repair Organization	
	Type Code Symbo	I Stamp	: <u>N/A</u> Authorization No. N	I/A Expiration Date: N	<u>V/A</u>	35. N	SM or MN	1#:	
4.	(a) Identification of	of Syste	m:SM (M	AIN STEAM)	4. (b)	Class of Syster	n: <u>B</u>		
5.			on Code: <u>ASME III</u> 19 <u>71</u> E			N/A		Code Ca	888
5.	(b) Applicable Edi	ition of	Section XI Utilized for Repr	air / Replacement Act	ivity: 1995, 1996 Addenda	1992 through 19	92 Adder	ida for Class MC and	d CC and their support
6.	Identification of Co	mpone	nts:			17			
	Column 1		Column 2	Column 3	Column 4	Column 5	Col 6	Column 7	Column 8
	Name of Component		Name of Mfg	Mig Serial No.	National Board No.	Other Identification	Year Built	Corrected, Removed, or Installed	ASME Code Stamped (yes of no)
A	1SM-19		KEROTEST	JH9-10	6981	1SM	1975	口 Corrected, 図 Removed,	D No
				х				Installed	E Yes
В	1SM PIPING	3	Duke Power	N/A	17	1SM	1981	Corrected,	🗆 No
	4		Company	•				口 Removed, 図 Installed	🗵 Yes
c				·····		· · · · · · · · · · · · · · · · · · ·		Corrected,	
				· ; ·				Removed,	
L	:			· · ·				□ Installed	
D			· · · · · · · · · · · · · · · · · · ·	•				 Corrected, Removed, 	
	a f		and the second second					□ Installed	
E		•					1	Corrected,	D No
								C Removed,	
<u> </u>				·			<u> </u>	Corrected,	
F		ĺ						B Removed,	
								Installed	□ Yes

1

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

7. Description of Work INSTALL 2" BLANK COUPLING & DELETE VALVE 1SM-19

8. Tests Conducted:Hydrostatic D Pneumatic Nom. Operating Press. Other D Exempt

	Pressure <u>1037</u>	psig	Test Temp. 555	°F
	Pressure	psig	Test Temp.	°F
_	Pressure	_psig	Test Temp.	۰F
9.	Remarks - N-416-1 540 1416-2 541 12/2	lox RSI	2/12/02	
	We is	2-12.02		

(Applicable Manufacturer's Data Reports to be attached)

CERTIFICATE OF	COMPLIANCE e correct and this conforms to the requirements
Type Code Symbol Stamp <u>N/A</u> Certificate of Authorization No. <u>N/A</u>	Expiration Date <u>N/A</u>
Signed <u>ELIZABETH P. ROBINSON</u> , EXEC. S Owner or Owner's Designee, Title	SUPPORT Date 10/08/02

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of _North Carolina_ and employed by HSB CT have inspected the components described in this Owner's Report during the period 7-8-02 to 10-8-02; and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of ASME Code, Section XI. By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection. R.D. Klein Commissions NB7728, NC853, N-I 's Signature National Board, State, Province and Endorsements Date /0-8 2002

1.	Owner Address:	Duke Power Company			1a. Date <u>10/08/02</u>	
		526 S. Church Street, Charlotte, NC 28201-1006		·	Sheet <u>1</u> of	_1
2.	Plant Address:	McGuire Nuclear Station				
	÷	12700 Hagers Ferry Road, Huntersville, NC 28078		· · · · ·		
2a.	Unit: 121 🖸 2	D3 DShared (specify Units)				
3.	Work Performed By	r: Duke Power Company		3a. Work Order # :_	98479077-10	
	Address:	526 S. Church Street. Charlotte NC 28201-1006		· · ·	Repair Organization Job #	
	Type Code Symbol	Stamp: N/A Authorization No. N/A Expiration Date: N/A		3b. NSM or MM #:	12129	
4.	(a) Identification o	f System: SM (MAIN STEAM)	4. (b)	Class of System: <u>B</u>	•	
_				A44A		

- 5. (a) Applicable Construction Code: <u>ASME III</u> 1971 Edition, <u>Summer and Winter</u> Addenda, <u>N/A</u> Code Cases
 (b) Applicable Edition of Section XI Utilized for Repair / Replacement Activity: <u>1995, 1996 Addenda</u> (1992 through 1992 Addenda for Class MC and CC and their supports)
- 6. Identification of Components:

	Column 1	Column 2	Column 3	Column 4	Column 5	Col 6	Column 7	Column 8
	Name of Component	Name of Mig	Mig Serial No.	National Board No.	Other Identification	Year Built	Corrected, Removed, or Installed	ASME Code Stamped (yes or no)
Α	1SM PIPING	Duke Power Company	N/A	17	1SM	1981	Corrected,	D No
					•	·).	Removed, Installed	⊠Yes
В						- - -	□Corrected, □ Removed,	□ No
							□ Installed	
С	•						Corrected, Removed, Installed	No Yes
D				•			Corrected,	
							Installed	
Е					4		D Corrected,	D No
							Installed	
F						1	□ Corrected, □ Removed,	🗆 No
							□ Installed	□ Yes

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

7. Description of Work_INSTALL 2" BLANK COUPLING

8. Tests Conducted:Hydrostatic D Pneumatic Nom. Operating Press.

		Pressure <u>1038</u>	psig	Test Temp.	551	°F		
		Pressure	psig	Test Temp.		۰F		
_	_	Pressure	psig	Test Temp.		°F		
9.	Remarks	Pressure		2/02		_		
	NK 12-12-02							

(Applicable Manufacturer's Data Reports to be attached)

CERTIFICATI I certify that the statements made in the rep of the ASME Code, Section XI.	E OF COMPLIANCE port are correct and this conforms to the requirements
Type Code Symbol Stamp <u>N/A</u> Certificate of Authorization No. <u>N/A</u> Elizabeth PRolition	Expiration Date <u>N/A</u>
	XEC. SUPPORT Date _10/08/02

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of _North Carolina_ and employed by HSB CT have inspected the components described in this Owner's Report during the period 7-8-02 to 10-8-92; and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of ASME Code, Section XI. By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection. AA R.D. Klein Commissions NB7728, NC853, N-1 Inspectors National Board, State, Province and Endorsements Date <u>10 -</u>8 . 2002

1.	Owner Address:	Duke Power Company					_	10/08/02
		526 S. Church Street, Charlotte	<u>NC 28201-1006</u>				Sheet	_1 of
2.	Plant Address:	McGuire Nuclear Station						
		12700 Hagers Ferry Road, Hun	tersville. NC 28078					
29	Unit: 121 🗆 2	□3 □Shared (specify Units				•	4	
	•		· · · · · · · · · · · · · · · · · · ·			•		
3.	Work Performed By Address:	: Duke Power Company 526 S. Church Street, Charlot	te NC 28201-1006		3a. M	/ork Orde	r # :9847907 Repeir Organization	
	Type Code Symbol	Stamp: N/A Authorization No.	VA Expiration Date:	N/A		SM or MN	1 #: <u>12129</u>	· .
			· · ·			•		
4.	(a) Identification of	System:SM (M	AIN STEAM)	4. (D)	Class of Syster	n: <u>B</u>		
5.	(a) Applicable Con	struction Code: ASME III 1971 E	dition, Summer and	Winter Addenda,	N/A		Code Ca	1903
	(b) Applicable Edit	on of Section XI Utilized for Rep	air / Replacement Ac	livity: <u>1995, 1996 Addenda</u>	(1992 through 19	92 Adder	da for Class MC an	d CC and their supports
6.	Identification of Cor	nponents:						and an and a second
	Column 1	Column 2	Column 3	Column 4	Column 5	Col 6	Column 7	Column 8
	Name of Component	Name of Mfg	Mfg Serial No.	National Board No.	Other Identification	Year Built	Corrected, Removed, or Installed	ASME Code Stamped (yes or no)
Α	1MCA-SM-H19	1 Duke Power Company	N/A	N/A	1SM	N/A	Corrected,	🗆 No
							Removed, Installed	⊠Yes
В	1SM PIPING	Duke Power	N/A	17	1SM	1981	DCorrected,	
5		Company	14/1			1001	□ Removed,	
						5 - S	Installed	🗵 Yes
С							Corrected,	D No
			· .				Removed, Installed	🗆 Yes
D							Corrected.	
			•			· ·	Bemoved,	
	:				••••••••••••••••••••••••••••••••••••••		□ installed	
Ε	:	•	•				Corrected,	□ No
							 Removed, Installed 	□ Yes
F		·····					Corrected.	
							□ Removed,	
					·····		Installed	🗖 Yes

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

7. Description of Work_INSTALL 2" BLANK COUPLING

8. Tests Conducted:Hydrostatic D Pneumatic Nom. Operating Press. Other Exempt

	Pressure 1037	psig	Test Temp. <u>555 </u> °F	
	Pressure	psig	Test Temp°F	
	Pressure	psig	Test Temp°F	
9. Remarks			HINE NEW CLAMP ON ITEM #3 AS NECESSARY.	
	N416-2 Jat 15/12/02	8512/12/02		
	010<12-12-12-06	2		

(Applicable Manufacturer's Data Reports to be attached)

	OF COMPLIANCE It are correct and this conforms to the requirements
Type Code Symbol Stamp <u>N/A</u> Certificate of Authorization No. <u>N/A</u>	Expiration Date <u>N/A</u>
Signed <u>ELIZABETH P. ROBINSON, EXE</u> Owner or Owner's Designee, Title	C. SUPPORT Date 10/08/02

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 <u>North Carolina</u> and employed by <u>HSB CT</u> have inspected the components described in this Owner's Report during the period 7-8-02 to 10-8-02; and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of ASME Code, Section XI. By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for

any personal injury or property damage or a loss of any kind arising from or connected with this inspection.

National Board, State, Province and Endorsements Date 10-9 . 2002

			,					
1.	Owner Address:	Duke Power Company			• · · · · · · · · · · · · · · · · · · ·		1a. Date	9/29/02
		526 S. Church Street, Charlotte	e. NC 28201-1006				Sheet	_1_ of <u>1</u>
2.	Plant Address:	McGuire Nuclear Station				•		
		12700 Hagers Ferry Road, Hur	ntersville, NC 28078	•		- 1		
2a.	Unit: 1 12	□3 □Shared (specify Units)				
3.	Work Performed B	y: Duke Power Company			3a. W	/ork Orde	r # :9848273	10
	Address:	526 S. Church Street, Charle	otte NC 28201-1006				Repair Organization	
	Type Code Symbo	Stamp: <u>N/A</u> Authorization No.	N/A Expiration Date: N/A	A	3b. N	SM or MM	1 #: <u>NA</u>	·
4.	(a) Identification d	of System: <u>Reactor Coolant (N</u>	C) System	4. (b)	Class of Syster	n: A		
5.		nstruction Code: ASME III 1971			•			·
5.	(b) Applicable Ed	ition of Section XI Utilized for Rep	pair / Replacement Activit	ty: 1995, 1996 Addend	a_ (1992 through 19	92 Adder	ida for Class MC an	d CC and their sup
6.	Identification of Co	mponents:				11		
	Column 1	Column 2	Column 3	Column 4	Column 5	Col 6	Column 7	Column 8
	Name of Component	Name of Mfg	Mfg Serial No.	National Board No.	Other Identification	Year Built	Corrected, Removed, or Installed	ASME Code Stamped (yes or no)
Α	Hanger	Duke Power	NA	NA	Snubber SN	NA	Corrected,	⊠ No
	1-MCR-NC-76	S9 Company			00130		☑ Removed, □ Installed	
В	Hanger	Duke Power	NA	NA	Snubber SN	NA	Corrected,	E No
	1-MCR-NC-76	S9 Company			16601		□ Removed, ☑ Installed	
С		· · · · · · · · · · · · · · · · · · ·			<u></u>		Corrected,	
	· ·			· · · · · ·			□ Removed, □ Installed	
D					······································		Corrected,	
					• •		Removed, Installed	
E	 						Corrected.	
-							Removed,	
<u> </u>							□ Installed	
F							Corrected, Removed,	D No
							Installed	

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

7.	Description	of Work_	Replaced snubber	
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8. Tests Conducted:Hydrostatic D Pneumatic Nom. Operating Press. Other Exempt

Pressure	psig	Test Temp	۰F
Pressure	psig	Test Temp.	°F
Pressure	psig	Test Temp.	°F

9. Remarks NA

(Applicable Manufacturer's Data Reports to be attached)

CERTIFICATE OF COMPLIANC I certify that the statements made in the report are correct and of the ASME Code, Section XI.	CE d this conforms to the requirements
Type Code Symbol Stamp <u>N/A</u> Certificate of Authorization No. <u>N/A</u>	Expiration Date <u>N/A</u>
Signed H.E. Black, Maint. Tech Specialist Owner or Owner's Designee, Title	Date <u>9/30/02</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 CT have inspected the components described in this Owner's Report during the period $\overline{q-30-62}$ to $\underline{/0-2-52}$; and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of ASME Code, Section XI.

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

R D. Klein Commissions NB7728, NC853, N-I Inspector's Signature

Date 10-2.2002

National Board, State, Province and Endorsements

1.	Owner Address:	Duke Power Company					1a. Date _	9/17/02
		526 S. Church Street, Charlo	tte, NC 28201-1006				Sheet	_1_ of
2.	Plant Address:	McGuire Nuclear Station				**		
		12700 Hagers Ferry Road, H	untersville, NC 28078					
•	Unit: ⊠1 □2		S	N.				
۹.			5					
	Work Performed B Address:	y: <u>Duke Power Company</u> 526 S. Church Street, Char	Hotte NC 28201-1006		3a. W	ork Order	# :9848437 Receir Organization	
	Aug 635.	JZO D. UNUICILOIISEL UIIA	10110 110 20201-1000	· .			repair Organization	
	Type Code Symbo	I Stamp: <u>N/A</u> Authorization No	. N/A Expiration Date: N/	<u>'A</u>	3b. N	SM or MN	#: <u>NA</u>	
	(a) Identification of	of System: <u>Reactor Coolant (</u>	NC) System	4. (b)	Class of Syster	n: <u>A</u>	_	• •
			· · · · · · · · · · · · · · · · · · ·		-			
	(a) Applicable Col (b) Applicable Edi	nstruction Code: <u>ASME III</u> 19 <u>7</u> ition of Section XI Utilized for R	epair / Replacement Activ	ity: 1995, 1996 Addence	ta (1992 through 19	92 Adden	Code C da for Class MC and	
	Identification of Co	mponents:						
٦	Column 1	Column 2	Column 3	Column 4	Column 5	Col 6	Column 7	Column 8
	Name of Component	Name of Mig	Mfg Serial No.	National Board No.	Other Identification	Year Built	Corrected, Removed, or	ASME Code Stamped
	Hanger	Duke Power	Mig Serial No. NA	National Board No.	Snubber SN	Yeer Built NA	Installed Corrected,	
		Duke Power					☐ Corrected, ☑ Removed,	ASME Code Stamped (yes or no)
	Hanger 1-MCR-NC-50	Duke Power D2 Company	NA	NA	Snubber SN 15117	NA	☐ Corrected, ☑ Removed, ☑ Installed	ASME Code Stamped (yes or no) I No
	Hanger	Duke Power Company Duke Power			Snubber SN		☐ Corrected, ☑ Removed,	ASME Code Stamped (yes or no)
	Hanger 1-MCR-NC-50 Hanger	Duke Power Company Duke Power	NA	NA	Snubber SN 15117 Snubber SN	NA	Installed ☐ Corrected, ☑ Removed, ☐ Installed ☐ Corrected, ☐ Removed, ☑ Installed	ASME Code Stamped (ves or no) I No Ves I No I Yes
-	Hanger 1-MCR-NC-50 Hanger	Duke Power Company Duke Power	NA	NA	Snubber SN 15117 Snubber SN	NA	Installed ☐ Corrected, ☑ Removed, ☐ Installed ☐ Corrected, ☐ Removed, ☑ Installed ☐ Corrected,	ASME Code Stamped (ves or no) I No Ves Ves
	Hanger 1-MCR-NC-50 Hanger	Duke Power Company Duke Power	NA	NA	Snubber SN 15117 Snubber SN	NA	Installed ☐ Corrected, ☑ Removed, ☐ Installed ☐ Corrected, ☐ Removed, ☑ Installed ☐ Corrected, ☐ Removed, ☐ Removed,	ASME Code Stamped (ves or no) ☑ No ☑ Yes ☑ No ☑ Yes ☑ No
	Hanger 1-MCR-NC-50 Hanger	Duke Power Company Duke Power	NA	NA	Snubber SN 15117 Snubber SN	NA	Installed Corrected, Installed Corrected, Removed, Installed Corrected, Removed, Removed, Installed Corrected, Corrected, Corrected,	ASME Code Stamped (ves or no) I No Ves I No I Yes
	Hanger 1-MCR-NC-50 Hanger	Duke Power Company Duke Power	NA	NA	Snubber SN 15117 Snubber SN	NA	Installed Corrected, Installed Corrected, Removed, Installed Corrected, Removed, Installed Corrected, Removed, Remo	ASME Code Stamped (ves or no) ☑ Yes ☑ No ☑ Yes ☑ No ☑ Yes ☑ No
	Hanger 1-MCR-NC-50 Hanger	Duke Power Company Duke Power	NA	NA	Snubber SN 15117 Snubber SN	NA	Installed Corrected, Installed Corrected, Removed, Installed Corrected, Removed, Installed Corrected, Removed, Installed Corrected, Installed	ASME Code Stamped (yes or no) Ves Ves Ves No Ves No Ves No Ves
	Hanger 1-MCR-NC-50 Hanger	Duke Power Company Duke Power	NA	NA	Snubber SN 15117 Snubber SN	NA	Installed Corrected, Installed Corrected, Removed, Installed Corrected, Removed, Installed Corrected, Removed, Remo	ASME Code Stamped (ves or no) ☑ Yes ☑ No ☑ Yes ☑ No ☑ Yes ☑ No
	Hanger 1-MCR-NC-50 Hanger	Duke Power Company Duke Power	NA	NA	Snubber SN 15117 Snubber SN	NA	Installed Corrected, Installed Corrected, Removed, Installed Corrected, Removed, Installed Corrected, Removed, Installed Corrected, Removed, Installed Corrected, Removed, Installed	ASME Code Stamped (ves or no) Ves Ves Ves No Ves No Ves No Ves No Ves No Ves
	Hanger 1-MCR-NC-50 Hanger	Duke Power Company Duke Power	NA	NA	Snubber SN 15117 Snubber SN	NA	Installed Corrected, Installed Corrected, Removed, Installed Corrected, Removed, Installed Corrected, Removed, Installed Corrected, Removed, Corrected, Removed,	ASME Code Stamped (yes or no) Ves Ves Ves No Ves No Ves No Ves No Ves No

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

7. Description of Work_Replaced snubber

8. Tests Conducted:Hydrostatic I Pneumatic I Nom. Operating Press. I Other I Exempt

Pressurepsig	Test Temp °F
Pressurepsig	Test Temp°F
Pressurepsig	Test Temp°F

9. Remarks NA

(Applicable Manufacturer's Data Reports to be attached)

CERTIFICATE OF COM I certify that the statements made in the report are con of the ASME Code, Section XI.	PLIANCE rect and this conforms to the requirements
Type Code Symbol Stamp <u>N/A</u> Certificate of Authorization No. <u>N/A</u> Signed <u>H.E. Black, Maint. Tech Speci</u> Owner or Owner's Designee, Title	Expiration Date <u>N/A</u> ialist Date <u>9/20/02</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 <u>North Carolina</u> and employed by <u>HSB CT</u> have inspected the components described in this Owner's Report during the period 4 - 7 - 2 - 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 ASME Code, Section XI. By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection. R.D. Klein Commissions NB7728, NC853, N-I ionature National Board, State, Province and Endorsements X6 Date

1.	Owner Address:	Duke Power Company					1a. Date	9/23/02
		526 S. Church Street. Charlot	te. NC 28201-1006				Sheet	_1 of
2.	Plant Address:	McGuire Nuclear Station						
		12700 Hagers Ferry Road, Hu	untersville, NC 28078					
2a.	Unit: 101 112	□3 □Shared (specify Unit	3)				
3.	Work Performed B		·		3a. W	/ork Orde	r # :9848437	8
	Address:	526 S. Church Street, Char	lotte NC 28201-1006				Repair Organization	n Job #
	Type Code Symbol	Stamp: N/A Authorization No.	N/A Expiration Date: N	<u>/A</u>	3b. N	ISM or MN	/ #: <u>NA</u>	
4.	(a) Identification o	f System: <u>Reactor Coolant (</u>	NC) System	4. (b)	Class of Syster	m: <u>A</u>	<u>.</u>	
5.	(a) Applicable Co (b) Applicable Edi	nstruction Code: <u>ASME III</u> 19 <u>71</u> tion of Section XI Utilized for Re	Edition, <u>Summer and W</u> epair / Replacement Activ	Vinter Addenda, vity: <u>1995, 1996 Addend</u>	a_(1992 through 19	92 Adder	Code C nda for Class MC an	Cases d CC and their suppo
6.	Identification of Co	mponents:		• • • •				
	Column 1	Column 2	Column 3	Column 4	Column 5	Col 6	Column 7	Column 8
	Name of Component	Name of Mfg	Mig Serial No.	National Board No.	Other Identification	Year Built	Corrected, Removed, or Installed	
A	Hanger 1-MCR-NC-54	6 Duke Power Company	NA	NA .	Snubber SN 14904	NA	Corrected, Removed, Installed	⊠ No □ Yes
-				-1		· · · · · ·		

3	Hanger	Duke Power	NA	NA	Snubber SN	NA	Corrected,	I Yes I I No
	1-MCR-NC-546	Company	•		14914		□ Removed, ☑ Installed	
							Corrected,	D No
	1						□ Installed	□ Yes
D							Corrected, Removed,	D No
							□ Installed	
E							□ Corrected, □ Removed,	D No
						[□ Installed	□ Yes
F						-	Corrected, Removed,	🗆 No
							□ Installed	

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NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8 1/2 in. x 11 in. (2) information in items 1 through 6 on this report is included on ea 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 snut	ber
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2002

Date

8. Tests Conducted:Hydrostatic D Pneumatic Nom. Operating Press. Other Exemptod

Pressure	psig	Test Temp.	°F
Pressure	psig	Test Temp.	°F
Pressure	psig	Test Temp.	٦°

9. Remarks NA

(Applicable Manufacturer's Data Reports to be attached)

CERTIFICATE OF O	ONDUANCE
I certify that the statements made in the report are of the ASME Code, Section XI.	
Type Code Symbol Stamp <u>N/A</u> Certificate of Authorization No. <u>N/A</u> Signed <u>Her Manner H.E. Black, Maint. Tech S</u>	Expiration Date <u>N/A</u>
Owner or Owner's Designee, Title	Specialist Date <u>9/26/02</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 <u>HSB CT</u> have inspected the components described in this Owner's Report during the period 123-02 to 126-02; and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of ASME Code, Section XI. By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection. <u> A. R.D. Klein</u> Commissions NB7728, NC853, N-1 Inspector's Signature

National Board, State, Province and Endorsements

1.	Owner Address:	Duke Power Company			•		1a. Date _	9/17/02
		526 S. Church Street, Charlotte,	NC 28201-1006				Sheet	_1of
2.	Plant Address:	McGuire Nuclear Station 12700 Hagers Ferry Road, Hunt	ermille NC 28078					
2a.	Unit: ⊠1 □2	□3 □Shared (specify Units _)			· .	
3.	Work Performed B Address:	y: <u>Duke Power Company</u> 526 S. Church Street, Charlott	e NC 28201-1006		3a. V	ork Orde	r#: <u>9848438</u> Repair Organization	
	Type Code Symbol	Stamp: <u>N/A</u> Authorization No. N	/A Expiration Date: N//	A	3b. N	SM or MM	l#:NA	
4.	(a) Identification o	f System: <u>Reactor Coolant (NC</u>) System	4. (b)	Class of Syster	n: <u>A</u>	_ .	
5.	(a) Applicable Cor(b) Applicable Edit	nstruction Code: <u>ASME III</u> 19 <u>71</u> Ed tion of Section XI Utilized for Repa	dition, <u>Summer and Wi</u> air / Replacement Activi	inter Addenda, ity: <u>1995, 1996 Addend</u>	<u>1a</u> (1992 through 19	92 Adden	Code C da for Class MC and	ases d CC and their support
6.	Identification of Co	mponents:	* * 1					
	Column 1	Column 2	Column 3	Column 4	Column 5	Col 6	Column 7	Column 8
	Name of Component	Name of Mfg	Mfg Serial No.	National Board No.	Other Identification	Year Built	Corrected, Removed, or Installed	ASME Code Stamped (yes or no)
A	Hanger 1-MCR-NC-57	Duke Power Company	NA	NA	Snubber SN 21753	NA	Corrected,	12 No
В	Hanger 1-MCR-NC-57	Duke Power 1 Company	NA	NA .	Snubber SN 16559	NA	□ Installed □ Corrected, □ Removed, ☑ Installed	☐ Yes ☑ No
С					:		 Corrected, Removed, 	D No
D			· · ·	· · · · · · · · · · · · · · · · · · ·	· · ·		 Installed Corrected, Removed, 	□ Yes □ No
							□ Installed	□ Yes
E							Corrected, Removed,	🗆 No
							Installed	🗆 Yes

F

Corrected, Removed, Installed

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NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (*) size is 8 1/2 in. x 11 in. (2) information in items 1 through 6 on this report is included on eau 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	snubber
--	----	-------------	---------	----------	---------

8. Tests Conducted:Hydrostatic D Pneumatic Nom. Operating Press. Other Exempt

우 우 우

Pressure	psig	Test Temp.
Pressure	psig	Test Temp.
Pressure	psig	Test Temp.

9. Remarks NA

(Applicable Manufacturer's Data Reports to be attached)

CERTIFICATE OF COI I certify that the statements made in the report are co of the ASME Code, Section XI.	MPLIANCE orrect and this conforms to the requirements
Type Code Symbol Stamp <u>N/A</u> Certificate of Authorization No. <u>N/A</u> Signed <u>Willow H.E. Black, Maint. Tech Spe</u> Owner or Owner's Designee, Title	Expiration Date <u>N/A</u> ecialist Date <u>9/20/02</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 <u>North Carolina</u> and employed by <u>HSB CT</u> have inspected the components described in this Owner's Report during the period $\underline{9-17-02}$ to $\underline{9-21-02}$; and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of ASME Code, Section XI. By signing this certificate neither the Inspector nor his employer makes any warranty, expressed

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

R.D. Klein Inspe nature

Date 9-2 2002

Commissions <u>NB7728, NC853, N-I</u> National Board, State, Province and Endorsements

1.	Owner Address:	Duke	Power Company						1a. Date_	9/17/02
		<u>526 S</u>	5. Church Street, Charlotte	<u>NC 28201-1006</u>					Sheet	_1of_1
2.	Plant Address:	McG	uire Nuclear Station							
		1270	0 Hagers Ferry Road, Hun	tersville, NC 28078						•
2a	Unit: 101 102		□Shared (specify Units		``					
3.	Work Performed B Address:	y: <u>Du</u>	ke Power Company 3 S. Church Street, Charlot	NO 00001.1008	,		3a. W	ork Orde	r # :9848438	
	Add1855.	52							Repair Organization	Job #
	Type Code Symbol	l Stam	b: <u>N/A</u> Authorization No. <u>N</u>	V/A Expiration Date: N/	Ά		3b. N	SM or MN	1#: <u>NA</u>	
4.	(a) Identification of	f Sveta	em: <u>Safety Injection (NI)</u>	Svetam		A (b)	Class of Syster			
		-					Class Of Syster	II. <u>A</u>		: '
5.	(a) Applicable Con	nstruct	on Code: ASME III 1971 E	dition, <u>Summer and W</u>	<u>inter</u> Adden	da,	- 4000		Code C	ases
	(D) Applicable Edi	tion of	Section XI Utilized for Rep	air / Heplacement Activ	ny: <u>1995, 1</u>	996 Addend	1992 through 19	92 Adder	ida for Class MC and	d CC and their supp
6.	Identification of Co	mpone	nts:	•			•			
	Column 1		Column 2	Column 3		mn 4	Column 5	Col 6	Column 7	Column 8
	Name of Component		Name of Mig	Mig Serial No.	National	Board No.	Other Identification	Year Built	Corrected, Removed, or Installed	ASME Code Stamped (yes or no)
Α	Hanger		Duke Power	NA	N	IA	Snubber SN	NA	Corrected,	12 No
	1-MCR-NI-85	9	Company				21695		☑ Removed,	
в	Hanger		Duke Power	NA		Α.	Snubber SN	NA	□ Installed	
D	1-MCR-NI-85		Company			Α,	18121	NA .	Corrected, Removed,	⊠ No
	1-141011-141-00		Company			;	10121		⊠ Installed	🗆 Yes
С	· · · · · · · · · · · · · · · · · · ·		· · · ·						Corrected,	
						· .			Removed,	
	·								□ Installed	□ Yes
D			:						□ Corrected,	🗆 No
									Removed, Installed	🗆 Yes
E					<u> </u>				Corrected.	
-									□ Removed,	
									□ Installed	🗆 Yes
F									Corrected,	D No
									Removed,	
			•						Installed	Yes

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

7.	Description of	Work	Replaced	snubber
				01100001

8. Tests Conducted:Hydrostatic D Pneumatic Nom. Operating Press. D Other D Exempt

Pressure _	psig	Test Temp.	°F
Pressure _	psig	Test Temp.	°F
Pressure _	psig	Test Temp.	°F

9. Remarks NA

(Applicable Manufacturer's Data Reports to be attached)

CERTIFICATE OF CON I certify that the statements made in the report are co of the ASME Code, Section XI.	
Type Code Symbol Stamp <u>N/A</u> Certificate of Authorization No. <u>N/A</u>	Expiration Date <u>N/A</u>
Signed <u>HEBlack</u> H.E. Black, Maint. Tech Spece	<u>cialist</u> Date <u>9/20/02</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 <u>North Carolina</u> and employed by <u>HSB CT</u> have inspected the components described in this Owner's Report during the period <u>9-17-09</u> to $\underline{1-21-02}$; and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of ASME Code, Section XI. By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection.

R D. Klein Commissions <u>NB7728, NC853, N-I</u> s Signature National Board, State, Province and Endorsements Date 9~2) . 2002

1.	Owner Address:	Duke Power Company 526 S. Church Street, Charlotte, NC 28201-1006			1a. Date <u>9/17/02</u> Sheet <u>1</u> of <u>1</u>
2.	Plant Address:	McGuire Nuclear Station			
		12700 Hagers Ferry Road, Huntersville, NC 28078			
2a.	Unit: 121 🗆 2	□3 □Shared (specify Units)			
3.	Work Performed By Address:	r: Duke Power Company 526 S. Church Street, Charlotte NC 28201-1006		3a. Work Order # :	98484384 Repeir Organization Job #
	Type Code Symbol	Stamp: N/A Authorization No. N/A Expiration Date: N/A		3b. NSM or MM #:_	<u>NA</u>
4.	(a) Identification of	System:Safety Injection (NI) System	4. (b)	Class of System: A	
5.	(a) Applicable Con (b) Applicable Edit	struction Code: <u>ASME III</u> 1971 Edition, <u>Summer and Winter</u> Addenda, ion of Section XI Utilized for Repair / Replacement Activity: <u>1995, 1996</u>	Addenda	(1992 through 1992 Addenda fo	Code Cases or Class MC and CC and their supports)
6.	Identification of Cor	nponents:	· · ·		

		· · · · · · · · · · · · · · · · · · ·						
	Column 1	Column 2	Column 3	Column 4	Column 5	Col 6	Column 7	Column 8
	Name of Component	Name of Mig	Mfg Serial No.	National Board No.	Other Identification	Year Built	Corrected, Removed, or Installed	ASME Code Stamped (yes or no)
A	Hanger 1-MCR-NI-733	Duke Power Company	NA	NA	Snubber SN 21056	NA	Corrected, Removed, Installed	⊠ No □ Yes
В	Hanger 1-MCR-NI-733	Duke Power Company	NA	NA .	Snubber SN 21790	NA	□ Corrected, □ Removed, ☑ Installed	⊠ No ⊡ Yes
С		· · · · · · · · · · · · · · · · · · ·		· · · · · · · · · · · · · · · · · · ·			Corrected, Removed,	□ No □ Yes
D							Corrected, Removed, Installed	□ No □ Yes
E				· · · · · · · · ·			Corrected, Removed,	□ No □ Yes
F		· · · · · · · · · · · · · · · · · · ·					Corrected, Removed, Installed	□ No □ Yes

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

Description of Work<u>Replaced sn</u>	nubber
---	--------

8. Tests Conducted:Hydrostatic D Pneumatic Nom. Operating Press. D Other D Exempt

		Pressure _	psig	Test Temp.	°F
		Pressure _	psig	Test Temp.	°F
		Pressure _	psig	Test Temp.	°F
9.	Remarks N	Α	•		

(Applicable Manufacturer's Data Reports to be attached)

CERTIFICATE OF COMPLIAN I certify that the statements made in the report are correct ar of the ASME Code, Section XI.	CE nd this conforms to the requirements
Type Code Symbol Stamp <u>N/A</u> Certificate of Authorization No. <u>N/A</u>	Expiration Date <u>N/A</u>
Signed <u>H.E. Black, Maint. Tech Specialist</u> Owner or Owner's Designee, Title	Date <u>9/20/02</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 CT have inspected the components described in this Owner's Report during the period 4-7-02 to 221-02; and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of ASME Code, Section XI. By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection. lm ノ R.D. Klein Commissions NB7728, NC853, N-I ector's Signature National Board, State, Province and Endorsements Date 9-21 2002

1. Ow	Owner Address: <u>Duke Power Company</u>						1a. Date_	9/18/02
		526 S. Church Street, Charlotte	e. NC 28201-1006				Sheet	of
. Pla	int Address:	McGuire Nuclear Station						
		12700 Hagers Ferry Road, Hu	ntersville. NC 28078					
a. Un	it: 121 🗆 2	□3 □Shared (specify Units)			÷ .	·
3. Wo	ork Performed B	y: Duke Power Company			3a. V	/ork Orde	r # : 9848438	5
	dress:	526 S. Church Street, Charlo	otte NC 28201-1006				Repair Organization	
Туг	be Code Symbo	I Stamp: <u>N/A</u> Authorization No.	<u>N/A</u> Expiration Date: <u>N/A</u>	7	3b. N	SM or MN	1#: <u>NA</u>	
l. (a)	Identification o	of System: _ <u>Reactor Coolant (N</u>	C) System	4. (b)	Class of Syster	n: <u>A</u>		
5. (a) (b)	Applicable Con Applicable Edi	nstruction Code: <u>ASME III</u> 19 <u>71</u> ition of Section XI Utilized for Re	Edition, <u>Summer and Wi</u> n pair / Replacement Activit	nter Addenda, ly: <u>1995, 1996 Addend</u>	da. (1992 through 19	92 Adder	Code C Ida for Class MC an	Cases d CC and their su
	ntification of Co	-						
	olumn 1	Column 2	Column 3	Column 4	Column 5	Col 6	Column 7	Column 8
Nar	ne of Component	Name of Mfg	Mfg Serial No.	National Board No.	Other Identification	Year Built	Corrected, Removed, or Installed	ASME Code Stampe (yes or no)
	Hanger 1-MCR-NC-57	70 Duke Power Company	NA	NA	Snubber SN 20913	NA	□ Corrected, ☑ Removed,	12 No
_		Dute Demos			Onubban Obl		□ Installed	
3	Hanger 1-MCR-NC-57	70 Duke Power 70 Company	NA	NA .	Snubber SN 21680	NA	Corrected, Removed, Installed	⊠ No □ Yes
5				······································			Corrected, Removed,	
				s.			□ Installed	
2							□ Corrected, □ Removed,	D No
							□ Installed	□ Yes
E							□ Corrected, · □ Removed,	D No
							D Installed	
F					1		 Corrected, Removed, 	□ No
							□ Installed	☐ Yes

.

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

7.	Description of Work <u>Replaced snubber</u>

8. Tests Conducted:Hydrostatic D Pneumatic Nom. Operating Press. Other Exempt

Pressure	psig	Test Temp.	۰F
Pressure	psig	Test Temp.	°F
Pressure	psig	Test Temp.	°F

9. Remarks NA

(Applicable Manufacturer's Data Reports to be attached)

CERTIFICATE OF COMPI I certify that the statements made in the report are corre of the ASME Code, Section XI.	LIANCE ect and this conforms to the requirements
Type Code Symbol Stamp <u>N/A</u> Certificate of Authorization No. <u>N/A</u> Signed <u>Manuella, Black, Maint, Tech Special</u> Owner or Owner's Designee, Title	Expiration Date <u>N/A</u> list Date <u>9/20/02</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 <u>North Carolina</u> and employed by <u>HSB CT</u> have inspected the components described in this Owner's Report during the period <u>HSB CT</u> have inspected the components described in this Owner's Report during the period <u>HSB CT</u> have inspected the components described in this Owner's Report during the period <u>HSB CT</u> have inspected the components described in this Owner's Report during the period <u>HSB CT</u> have inspected the components described in this Owner's Report during the period has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of ASME Code, Section XI. By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's

Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection.

Inspector's Bignature

Date 921 2002

R.D. Klein Commissions <u>NB7728, NC853, N-1</u> National Board, State, Province and Endorsements

. Owner Addre	ess: <u>Duke F</u>	Power Company			÷		1a. Date _	9/19/02
r.	<u>526 S.</u>	Church Street, Charlotte	<u>NC 28201-1006</u>	· · · ·			Sheet	<u>1_of</u>
. Plant Addres	ss: <u>McGui</u>	re Nuclear Station			-			
	12700	Hagers Ferry Road, Hun	tersville. NC 28078					
a. Unit: 🗹1		Shared (specify Units						
. Work Perform Address:	med By: <u>Duk</u> 526	e Power Company S. Church Street, Charlo	tte NC 28201-1006		3a. W	/ork Order	# :9848438 Repeir Organization	
Type Code S	Symbol Stamp:	N/A Authorization No.	N/A Expiration Date: N/A	Δ	3b. N	SM or MM	1#: <u>NA</u>	, ·
. (a) Identifica	ation of System	n:Safety Injection (NI) Svstem	4. (b)	Class of Syster	n: <u>A</u>		•
			1					
5. (a) Applicat (b) Applicat	ble Constructio	n Code: <u>ASME III</u> 19 <u>71</u> E ection XI Utilized for Rep	dition, <u>Summer and Wi</u> air / Replacement Activi	nter Addenda, ty: <u>1995, 1996 Addend</u>	la_(1992 through 19	92 Adden	da for Class MC and	d CC and their su
. Identification	n of Componen	ts:	•					
				1				
Column 1		Column 2	Column 3	Column 4	Column 5	Col 6	Column 7	Column 8
Column 1 Name of Compo	onent	Column 2 Name of Mfg	Column 3 Mfg Berlei No.	Column 4 National Board No.	Column 5 Other Identification	Col 6 Year Built	Column 7 Corrected, Removed, or Installed	
Name of Compo	ger				and so all the second se		Corrected, Removed, or Installed Corrected, Removed,	ASME Code Stampe (yes or no)
Name of Compo Han 1-MCR-	ger NI-617	Name of Mig Duke Power Company	Mig Seriel No. NA	National Board No. NA	Other Identification Snubber SN 20386	Year Built	Corrected, Removed, or Installed Corrected, Removed, Installed	ASME Code Stampe (yes or no)
Name of Compo Han 1-MCR- Han	ger NI-617 Iger	Name of Mig Duke Power Company Duke Power	Mig Seriel No.	National Board No.	Other Identification Snubber SN 20386 Snubber SN	Year Built	Corrected, Removed, or installed Corrected, Removed, Installed Corrected,	ASME Code Stampe (yes or no)
Name of Compo Han 1-MCR-	ger NI-617 Iger	Name of Mig Duke Power Company	Mig Seriel No. NA	National Board No. NA	Other Identification Snubber SN 20386	Year Built	Corrected, Removed, or Installed Corrected, Removed, Installed	ASME Code Stampe (yes or no)
Name of Compo Han 1-MCR- Han 1-MCR- C Han	ger NI-617 Iger -NI-617	Name of Mfg Duke Power Company Duke Power Company Duke Power	Mig Seriel No. NA	National Board No. NA	Other Identification Snubber SN 20386 Snubber SN 21567 Snubber SN	Year Built	Corrected, Removed, or Installed Corrected, Removed, Installed Corrected, Removed, Installed Installed	ASME Code Stampe (yes or no) I No I Yes I No
Name of Compo Han 1-MCR- Han 1-MCR-	ger NI-617 Iger -NI-617	Name of Mfg Duke Power Company Duke Power Company	Mitg Seriel No. NA NA	National Board No. NA NA	Other Identification Snubber SN 20386 Snubber SN 21567	Year Built NA NA	Corrected, Removed, or Installed Corrected, Removed, Installed Corrected, Removed, Installed	ASME Code Stampe (yes or no) Ø No Yes Ø No Yes
Name of Compo Han 1-MCR- Han 1-MCR- C Han 1-MCR- D Han	ger NI-617 NI-617 NI-617 NI-617 NI-617	Name of Mfg Duke Power Company Duke Power Company Duke Power Company Duke Power	Mitg Seriel No. NA NA	National Board No. NA NA	Other Identification Snubber SN 20386 Snubber SN 21567 Snubber SN 15695 Snubber SN	Year Built NA NA	Corrected, Removed, or Installed Corrected, Removed, Installed Corrected, Removed, Installed Corrected, Removed, Removed, Removed, Installed Corrected, Corrected,	ASME Code Stampe (yes or no) I No Yes I No I Yes I No I Yes
Name of Compo Han 1-MCR- Han 1-MCR- C Han 1-MCR-	ger NI-617 NI-617 NI-617 NI-617 NI-617	Name of Mfg Duke Power Company Duke Power Company Duke Power Company	Mitg Berlei No. NA NA NA	National Board No. NA NA NA	Other Identification Snubber SN 20386 Snubber SN 21567 Snubber SN 15695	Veer Built NA NA NA	Corrected, Removed, or Installed Corrected, Removed, Installed Corrected, Removed, Installed Corrected, Removed, Removed, Removed, Installed	ASME Code Stampe (yes or no) Ø No Yes Ø No Yes ØNo Yes
Name of Compo Han 1-MCR- Han 1-MCR- C Han 1-MCR- D Han 1-MCR-	ger NI-617 NI-617 NI-617 NI-617 NI-617	Name of Mfg Duke Power Company Duke Power Company Duke Power Company Duke Power	Mitg Berlei No. NA NA NA	National Board No. NA NA NA	Other Identification Snubber SN 20386 Snubber SN 21567 Snubber SN 15695 Snubber SN	Veer Built NA NA NA	Corrected, Removed, or Installed Corrected, Removed, Corrected, Corrected, Installed Corrected, Removed, Removed, Installed Corrected, Removed, Installed Corrected, Corrected, Corrected, Corrected, Corrected, Corrected, Corrected, Corrected,	ASME Code Stampe (yes or no) I No I Yes I No I Yes I No I Yes I No I Yes
Name of Compo Han 1-MCR- Han 1-MCR- C Han 1-MCR- D Han 1-MCR-	ger NI-617 NI-617 NI-617 NI-617 NI-617	Name of Mfg Duke Power Company Duke Power Company Duke Power Company Duke Power	Mitg Berlei No. NA NA NA	National Board No. NA NA NA	Other Identification Snubber SN 20386 Snubber SN 21567 Snubber SN 15695 Snubber SN	Veer Built NA NA NA	Corrected, Removed, or Installed Corrected, Removed, Corrected, Corrected, Installed Corrected, Removed, Removed, Installed Corrected, Removed, Installed Corrected, Removed,	ASME Code Stampe (yes or no) Ves Ves Ves Vo Ves Vo Ves No Ves No Ves No Ves No Ves No
Name of Compo Han 1-MCR- Han 1-MCR- C Han 1-MCR- D Han 1-MCR-	ger NI-617 NI-617 NI-617 NI-617 NI-617	Name of Mfg Duke Power Company Duke Power Company Duke Power Company Duke Power	Mitg Berlei No. NA NA NA	National Board No. NA NA NA	Other Identification Snubber SN 20386 Snubber SN 21567 Snubber SN 15695 Snubber SN	Veer Built NA NA NA	Corrected, Removed, or Installed Corrected, Removed, Corrected, Corrected, Installed Corrected, Removed, Removed, Installed Corrected, Removed, Installed Corrected, Removed, Installed Corrected, Installed	ASME Code Stampe (yes or no) Ves or no) Ves Ves Ves Vo Ves No Ves Vo Ves No Ves Ves Ves Vo Ves Ves Ves Ves Ves Ves Ves Ves
Name of Compo Han 1-MCR- Han 1-MCR- C Han 1-MCR- D Han	ger NI-617 NI-617 NI-617 NI-617 NI-617	Name of Mfg Duke Power Company Duke Power Company Duke Power Company Duke Power	Mitg Berlei No. NA NA NA	National Board No. NA NA NA	Other Identification Snubber SN 20386 Snubber SN 21567 Snubber SN 15695 Snubber SN	Veer Built NA NA NA	Corrected, Removed, or Installed Corrected, Removed, Corrected, Corrected, Installed Corrected, Removed, Removed, Installed Corrected, Removed, Installed Corrected, Removed,	ASME Code Stampe (yes or no) Ves Ves Vo Ves Vo Ves Vo Ves Vo Ves Vo Ves Vo Ves Vo Ves

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NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provider 1) size is 8 1/2 in. x 11 in. (2) information in items 1 through 6 on this report is included on edgen 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	snubber
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8. Tests Conducted:Hydrostatic □ Pneumatic □ Nom. Operating Press. □ Other □ Exempt ☑

		Pressure _	psig	Test Temp °F	
		Pressure _ Pressure	psig psig	Test Temp°F Test Temp°F	
9.	Remarks	<u>NA</u>		1	

(Applicable Manufacturer's Data Reports to be attached)

CERTIFICATE OF COM I certify that the statements made in the report are co of the ASME Code, Section XI.	IPLIANCE prrect and this conforms to the requirements
Type Code Symbol Stamp <u>N/A</u> Certificate of Authorization No. <u>N/A</u>	Expiration Date <u>N/A</u>
Signed With Signed Owner or Owner's Designee, Title	cialist Date <u>9/24/02</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 <u>North Carolina</u> and employed by HSB CT have inspected the approximately and the state of Province of <u>North Carolina</u> and employed by
HSB CT have inspected the component of a rowing of the inspected by
<u>HSB CT</u> have inspected the components described in this Owner's Report during the period $9-19-62$ to $9-24-02$; and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this of the owner.
has porter and planted and state that to the best of my knowledge and belief, the Owner
a solution multiple requirements of ASME Loda Soction VI
by signing this certificate neither the inspector nor his employer makes any user at the second
report i unifermore, neimer ine inspector por his employer chall he helte te serve a
any personal injury or property damage or a loss of any kind arising from or connected with this
inspection.
MARLEIMAR.D. Klein Commissions NB7728 NC853 NJ
Inspectore Synchronia
National Board, State, Province and Endorsements
Date $9-29$ 2002

1.	Owner Address:	Duke Power Company				1a. Date <u>9/20/02</u>
		526 S. Church Street, Charlotte, NC 28201-1006				Sheet <u>1</u> of <u>1</u>
2.	Plant Address:	McGuire Nuclear Station				
		12700 Hagers Ferry Road, Huntersville, NC 28078		:	, t	
2a.	. Unit: ⊠1 . ⊡2	OShared (specify Units)			
3.	Work Performed B	y: Duke Power Company			3a. Work Order # :	98484387
•.	Address:	526 S. Church Street, Charlotte NC 28201-1006	1. 1. 2			Repair Organization Job #
	Type Code Symbo	Stamp: <u>N/A</u> Authorization No. <u>N/A</u> Expiration Date: <u>N/A</u>			3b. NSM or MM #:	NA
4.	(a) Identification of	of System: <u>Safety Injection (NI) System</u>		4. (b)	Class of System: A	
		a second to the second contract of the second	. A ddaada			Code Ceese

- (a) Applicable Construction Code: <u>ASME III</u> 1971 Edition, <u>Summer and Winter</u> Addenda, ________
 (b) Applicable Edition of Section XI Utilized for Repair / Replacement Activity: <u>1995, 1996 Addenda</u> (1992 through 1992 Addenda for Class MC and CC and their supports)
- 6. Identification of Components:

	Column 1	Column 2	Column 3	Column 4	Column 5	Col 6	Column 7	Column 8
	Name of Component	Name of Mig	Mfg Serial No.	National Board No.	Other Identification	Year Built	Corrected, Removed, or Installed	(yes or no)
A	Hanger 1-MCR-NI-615	Duke Power Company	NA	NA	Snubber SN 15692	NA	□ Corrected, ☑ Removed,	⊠ No
				×			Installed	
В	Hanger	Duke Power	NA	NA .	Snubber SN	NA	Corrected,	⊠ No
0	1-MCR-NI-615	Company		· [20953		Removed,	*
							☑ Installed	
Ċ						1	Corrected,	D No
0							Removed,	
							Installed	C Yes
D					·		Corrected,	🗆 No
υ							Removed,	
				· · ·			Installed	
Ε		· · · · · · · · · · · · · · · · · · ·				1	Corrected,	D No
E		l,				•	Removed,	
		the second s					□ Installed	🗆 Yes
_	<u>}</u>						Corrected,	D No
F							Bemoved,	
	1	4					Installed	□ Yes

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

Description of Work<u>Replaced sn</u>	ubber
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8. Tests Conducted:Hydrostatic D Pneumatic Nom. Operating Press. Other Exempt

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

9. Remarks NA

(Applicable Manufacturer's Data Reports to be attached)

CERTIFICATE OF COMPLIANCE I certify that the statements made in the report are correct and of the ASME Code, Section XI.	CE d this conforms to the requirements
Type Code Symbol Stamp <u>N/A</u> Certificate of Authorization No. <u>N/A</u>	Expiration Date <u>N/A</u>
Signed <u>Harbach H.E. Black, Maint. Tech Specialist</u> Owner or Owner's Designee, Title	Date <u>9/24/02</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 CT have inspected the components described in this Owner's Report during the period 9-20-02 to 9-24-02; and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of ASME Code, Section XI. By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection. R.D. Klein Commissions <u>NB7728, NC853, N-I</u> Inspector Signature National Board, State, Province and Endorsements Date 9-24 TOOY

1.	Owner Address:	Duke Power Company			•		1a. Date _	9/21/02
	-	526 S. Church Street, Ch	arlotte, NC 28201-1006	•			Sheet	_1 of
2.	Plant Address:	McGuire Nuclear Station						
		12700 Hagers Ferry Roa	d, Huntersville, NC 28078					
2a.	Unit: ⊠1 □2	□3 □Shared (specify	Units)				
3.	Work Performed B Address:	v: Duke Power Company			3a. W	ork Orde	r#:9848438 Repair Organization	
	Type Code Symbo	Stamp: <u>N/A</u> Authorization	n No. <u>N/A</u> Expiration Date	: <u>N/A</u>	3b. N	SM or MN	1#: <u>NA</u>	
4.	(a) Identification of	of System: <u>Safety Injecti</u>	ion (NI) System	4. (b)	Class of System	n: <u>A</u>		
5.								
6.	Identification of Co	mponents:						· · · · · · · · · · · · · · · · · · ·
	Column 1	Column 2	Column 3	Column 4	Column 5	Col 6	Column 7	Column 8
	Name of Component	Name of Mfg	Mfg Serial No.	National Board No.	Other Identification	Year Built	Corrected, Removed, or Installed	ASME Code Stamped (yes or no)
Α	Hanger 1-MCR-NI-61	3 Duke Power Company	NA	NA	Snubber SN 14864	NA	Corrected, Removed, Installed	⊠ No □ Yes
В	Hanger 1-MCR-NI-61	Duke Power 3 Company	NA	NA	Snubber SN 14764	NA	☐ Corrected, ☐ Removed, ☑ Installed	⊠ No
С	Hanger 1-MCR-NI-61	3 Duke Power Company	n NA	NA	4 3/8" Hex Cap Screws and Nuts	NA	☐ Corrected, ☐ Removed, ☑ Installed	E No
D					14015		Corrected,	
							□ installed	□ Yes
E								
E	· · · · · · · · · · · · · · · · · · ·				• ·		C Removed,	1997 - 19
F								⊔ No □ Yes □ No

.

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

7. Description of Work Replaced snubber and 4 3/8" hex cap screws and nuts.

8. Tests Conducted:Hydrostatic
Pneumatic
Nom. Operating Press.
Other
Exempt

Pressure	psig	Test Temp.	۰F
Pressure	psig	Test Temp.	۰F
Pressure	psig	Test Temp.	°F

9. Remarks NA

(Applicable Manufacturer's Data Reports to be attached)

CERTIFICATE OF COMPLIANCE I certify that the statements made in the report are correct and this conforms to the requiremen of the ASME Code, Section XI.					
Type Code Symbol Stamp <u>N/A</u> Certificate of Authorization No. <u>N/A</u>	Expiration Date <u>N/A</u>				
Signed <u>Hillanh H.E. Black, Maint. Tech Specialist</u> Owner or Owner's Designee, Title	Date 9/24/02				

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 <u>North Carolina</u> and employed by <u>HSB CT</u> have inspected the components described in this Owner's Report during the period 9 - 2h - 02 to 9 - 2b - 02; and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of ASME Code, Section XI. By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection.

Klein_ Commissions ____NB7728, NC853, N-I Inspector's Signature National Board, State, Province and Endorsements Date 9-26, 2002

1.	Owner Address:	Duke Power Company		:			1a. Date_	9/23/02
		526 S. Church Street, Charlotte	. NC 28201-1006				Sheet	<u>1</u> of <u>1</u>
2.	Plant Address:	McGuire Nuclear Station						
		12700 Hagers Ferry Road, Hur	tersville NC 28078					
0.	Unit: ⊠1 □2							
2d.		□3 □Shared (specify Units	· · · · · · · · · · · ·	· · · · · ·				
3.		y: Duke Power Company			Sa. W	/ork Orde	#:9848439	0
	Address:	526 S. Church Street, Charlo	tte NC 28201-1006				Repair Organization	Job#
	Type Code Symbol	Stamp: <u>N/A</u> Authorization No.	N/A Expiration Date: N	<u>I/A</u>	3b. N	SM or MM	l#:NA	
4.	(a) Identification o	f System: <u>Safety Injection (NI</u>) System	4. (b)	Class of Syster	n: <u>A</u>		x
5.	(a) Applicable Co	nstruction Code: ASME III 1971	Edition Summer and V	Ninter Addende			Code C	2000
5.	(b) Applicable Edi	tion of Section XI Utilized for Rep	pair / Replacement Acti	vity: 1995, 1996 Addend	a_ (1992 through 19	92 Adden		
6.	Identification of Co	mponents:			•			
	Column 1	Column 2	Column 3	Column 4	Column 5	Col 6	Column 7	Column 8
	Name of Component	Name of Mig	Mig Serial No.	National Board No.	Other Identification	Year Built	Corrected, Removed, or Installed	ASME Code Stamped (yes or no)
A	Hanger 1-MCR-NI-58	Duke Power Company	NA	NA .	Snubber SN 20756	NA	☐ Corrected, ☑ Removed,	⊠ No
			· ·	•			□ Installed	🗆 Yes
В	Hanger	Duke Power	NA	NA	Snubber SN	NA	Corrected,	12 No
	1-MCR-NI-58	D Company			18035		□ Removed, ☑ Installed	🗆 Yes
C							Corrected,	
							Removed,	
D			·····				Installed Corrected.	☐ Yes ☐ No
							□ Removed,	
							Installed	Yes
E							Corrected,	D No
							Removed, Installed	🗇 Yes
F					<u> </u>		□ Corrected,	
							Removed, Installed	D Yes

ş

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

7. Description of Work<u>Replaced snubber.</u>

8. Tests Conducted:Hydrostatic D Pneumatic Nom. Operating Press. D Other D Exempt

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

9. Remarks NA

(Applicable Manufacturer's Data Reports to be attached)

CERTIFICATE OF COMPLIANCE I certify that the statements made in the report are correct and this conforms to the requiren of the ASME Code, Section XI.					
Type Code Symbol Stamp <u>N/A</u> Certificate of Authorization No. <u>N/A</u> Signed <u>H. H. E. Black, Maint. Tech Speci</u> Owner or Owner's Designee, Title	Expiration Date <u>N/A</u> ialist Date <u>9/26/02</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 <u>North Carolina</u> and employed by <u>HSB CT</u> have inspected the components described in this Owner's Report during the period 4 + 23 - 92 to 4 + 26 + 26; and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of ASME Code, Section XI. By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection.

R D. Klein Commissions ____ NB7728, NC853, N-1 Inspectors Signature National Board, State, Province and Endorsements Date 9-26 2002

FORM NIS-2 OWNER'S REPORT FOR REPAIR / REPLACEMENT ACTIVITY As Required By The Provisions Of The ASME Code Section XI

1.	Owner Address:	Duke Power Company					1a. Date _	10/05/02
		526 S. Church Street, Charlott	e. NC 28201-1006				Sheet	<u>_1_of_1</u>
2.	Plant Address:	McGuire Nuclear Station	12 1 M					
		12700 Hagers Ferry Road, Hu	ntersville NC 28078					
20	Unit: 🖾1 🗀2	· · · · · · · · · · · · · · · · · · ·		•				
2a.		□3 □Shared (specify Units						
3.		y: Duke Power Company		· ·	3a. W	ork Orde	r # :98492202/01	
	Address:	526 S. Church Street, Charl	otte NC 28201-1006				Repair Organization) Job #
	Type Code Symbo	I Stamp: <u>N/A</u> Authorization No.	N/A Expiration Date: N	<u>I/A</u>	3b. N	SM or MN	1 #: <u>N/A</u>	
4.	(a) Identification of	of System:SM		4. (b) Class	of System: <u>B</u>			
5	(a) Applicable Co	netruction Code: ASME III 1071	Edition Summar and V	Nintor Addondo	NI/A		0.4.	• • • • •
J.	(b) Applicable Edi	nstruction Code: <u>ASME III</u> 19 <u>71</u> tion of Section XI Utilized for Re	pair / Replacement Acti	vity: 1995, 1996 Addend	ta (1992 through 19	92 Adder	ida for Class MC an	Cases d CC and their suppor
•			•	·			in the class me an	
0.	Identification of Co	mponents:						
	Column 1	Column 2	Column 3	Column 4	Column 5	Col 6	Column 7	Column 8
	Name of Component	Name of Mfg	Mig Serial No.	National Board No.	Other Identification	Year Built	Corrected, Removed, or Installed	
Α		VEDOTEOT	D				Corrected,	□ No
	Valve 1SM-8:	3 KEROTEST	DAN3-8	35862	N/A	1983	Removed,	
в				•			Installed	
				•			□ Corrected, □ Removed,	D No
					· · ·		□ Installed	
С							Corrected,	
				•	· · · ·		Removed,	
_			-				Installed	🗆 Yes
D							Corrected,	□ No
							□ Removed,	
E			1				□ installed	
<u> </u>				ь. 1		· .		D No
							Removed, Installed	□ Yes
F						<u> </u>	Corrected,	
							□ Removed,	
							□ Installed	

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

7.	•	Description	of Work_	Replaced Disc	;
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8. Tests Conducted:Hydrostatic D Pneumatic Nom. Operating Press. Other Exempt

°F ٥F °F

Pressurepsig Test Temp Pressurepsig Test Temp Pressurepsig Test Temp 9. Remarks	P P	ressure	psig Te	est Temp.	_
--	--------	---------	---------	-----------	---

(Applicable Manufacturer's Data Reports to be attached)

CERTIFICATE OF COMPLIAN I certify that the statements made in the report are correct a of the ASME Code, Section XI.	NCE nd this conforms to the requirements
Type Code Symbol Stamp <u>N/A</u> Certificate of Authorization No. <u>N/A</u> Signed <u>Fridewow FR Sorrow, QA Tech Specialist</u> Owner or Owner's Designee, Title	Expir ati on Date <u>N/A</u> Date <u>10/05/02</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 CT have inspected the components described in this Owner's Report during the period 9-30-02 to 10-6-02; and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of ASME Code, Section XI. By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection R D. Klein Commissions <u>NB7728, NC853, N-I</u> Inspector's Signature National Board, State, Province and Endorsements Date 10-62002

FORM NIS-2 OWNER'S REPORT FOR REPAIR / REPLACEMENT ACTIVITY As Required By The Provisions Of The ASME Code Section XI

1.	Owner Address:	Duke Power Company					1a. Date (<u> Dctober 6, 2002</u>
		526 S. Church Street, Charlo	tte. NC 28201-1006			•	Sheet	1of
•	Plant Address:	McGuire Nuclear Station						
2.	Plant Address:							
		12700 Hagers Ferry Road, H			0			
2a.	Unit: ⊠1 □2	□3 □Shared (specify Unit	S)				
З.	Work Performed B	y: Duke Power Company			3a. W	ork Orde	r#:9849220	
	Address:	526 S. Church Street, Cha	rlotte NC 28201-1006				Repair Organization	Job #
	Type Code Symbo	I Stamp: N/A Authorization No	. N/A Expiration Date: N	/A	3b. N	SM or MN	1#:N/A	
	••		— ·				· · ·	· · ·
4.	(a) Identification d	of System: <u>SM - Main Steam</u>		4. (D) Class	or System: <u>B</u>			
5.	(a) Applicable Co	nstruction Code: <u>ASME III</u> 19 <u>7</u> ition of Section XI Utillzed for F	1 Edition, <u>Summer and W</u>	/inter Addenda,			Code C	ases
	(b) Applicable Edi	ition of Section XI Utilized for F	Repair / Replacement Activ	vity: <u>1995, 1996 Addenc</u>	<u>18</u> (1992 through 19	92 Adder	ida for Class MC and	d CC and their support
6.	Identification of Co	mponents:			2			
	Column 1	Column 2	Column 3	Column 4	Column 5	Col 6	Column 7	Column 8
	Name of Component	Name of Mfg	Mfg Serial No.	National Board No.	Other Identification	Year Built	Corrected, Removed, or Installed	ASME Code Stamped (yes or no)
A							☑ Corrected,	12 No
	MC-1683SM- R2	01- Duke Power	N/A	N/A	N/A	N/A	Removed, Installed	□ Yes
в							Corrected,	
-							Removed,	
							Installed Installed	
С							Corrected,	□ No
						1	□ Removed, □ Installed	□ Yes
D					·		Corrected.	
-	1				· · · · · ·		Removed,	
L							Installed	
Е					-		Corrected,	🗆 No
							 Removed, Installed 	
F					· ·		Corrected.	
							Removed,	
						1	Installed	□ Yes

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

7.	Description	of Work	Replaced	1⁄2" nut
----	-------------	---------	----------	----------

8. Tests Conducted:Hydrostatic I Pneumatic I Nom. Operating Press. I Other I Exempt

		Pressure	psig	Test Temp.	°F
		Pressure	psig	Test Temp.	°F
0	Pomorko	Pressure	psig	Test Temp.	°F
9.	Remarks		<u> </u>		

(Applicable Manufacturer's Data Reports to be attached)

CERTIFICATE OF COMPLIAN I certify that the statements made in the report are correct a of the ASME Code, Section XI.	NCE nd this conforms to the requirements
Type Code Symbol Stamp <u>N/A</u> Certificate of Authorization No. <u>N/A</u> Signed <u>FL Grass Jr,QA Tech Specialist</u> Owner of Owner's Designee, Title	Expiration Date <u>N/A</u> Date <u>/o / & / 2002</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 CT have inspected the components described in this Owner's Report during the period 76-4-92 to 10-7-12; and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of ASME Code, Section XI. By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection. R.D Klein Commissions NB7728, NC853, N-I Inspector's Signature National Board, State, Province and Endorsements Date 10-7 ,2002

FORM NIS-2 OWNER'S REPORT FOR REPAIR / REPLACEMENT ACTIVITY As Required By The Provisions Of The ASME Code Section XI

Duke Power Company					1a. Date	09/24/02
	NC 28201-1006		· · · · ·			1 of _1
· · · · · · · · · · · · · · · · · · ·						•
□3 □Shared (specify Units _	· · · · · · · · · · · · · · · · · · ·)		· ·		
y: Duke Power Company			3a. W	/ork Orde	r # : <u>98498120/07</u>	
526 S. Church Street, Charlott	<u>e NC 28201-1006</u>				Repair Organization	n Job #
Stamp: N/A Authorization No. N	A Expiration Date: N/	/A	3b. N	SM or MN	/ #:12564	
				·		
nstruction Code: ASME III 1971 Ec	lition, <u>Summer and W</u>	/inter Addenda,	1- (1000 Aburnet 14	00 4 4 :	Code C	Cases
ition of Section XI Utilized for Repa	ir / Replacement Activ	rity: <u>1995, 1996 Addend</u>	<u>da</u> (1992 through 19	92 Adder	nda for Class MC an	d CC and their sup
mponents:	н 1997 - Полона Сарана 1997 -					
Column 2	Column 3	Column 4	Column 5	Col 6	Column 7	Column 8
Name of Mfg	Mfg Serial No.	National Board No.	Other Identification	Year Built	Corrected, Removed, or Installed	ASME Code Stamped (yes or no)
					Corrected,	IXI No
2 DUKE POWER	N/A	N/A	N/A	N/A		🗆 Yes
					Removed,	
					and the second se	
						D No
					□ Installed	□ Yes
	· · · · · · · · · · · · · · · · · · ·				Corrected,	🗆 No
	· · · · · · · · · · · · · · · · · · ·	•				□ Yes □ No
			· · ·		Removed,	
					Installed	
						D No
					Installed	
	McGuire Nuclear Station 12700 Hagers Ferry Road, Hunter □3 □Shared (specify Units	526 S. Church Street, Charlotte, NC 28201-1006 McGuire Nuclear Station 12700 Hagers Ferry Road, Huntersville, NC 28078 □3 □Shared (specify Units y: Duke Power Company 526 S. Church Street, Charlotte NC 28201-1006 It Stamp: N/A Authorization No. N/A Expiration Date: Not System: NV Instruction Code: ASME III 1971 Edition, Summer and We tion of Section XI Utilized for Repair / Replacement Active Imponents: Column 2 Column 3 Name of Mfg Mfg Serial No.	526 S. Church Street. Charlotte. NC 28201-1006 McGuire Nuclear Station 12700 Hagers Ferry Road, Huntersville, NC 28078 □3 □Shared (specify Units) y: Duke Power Company 526 S. Church Street. Charlotte NC 28201-1006 I Stamp: N/A Authorization No. N/A Expiration Date: N/A of System: NV	526 S, Church Street, Charlotte, NC 28201-1006 McGuire Nuclear Station 12700 Hagers Ferry Road, Huntersville, NC 28078 I3 IShared (specify Units I3 IShared (specify Units y: <u>Duke Power Company</u> 526 S, Church Street, Charlotte NC 28201-1006 I Stamp: N/A Authorization No. N/A Expiration Date: N/A I Stamp: N/A Authorization No. N/A Expiration Date: N/A If System:	526 S. Church Street, Charlotte, NC 28201-1006	528 S. Church Street, Charlotte, NC 28201-1006 Sheet McGuire Nuclear Station

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

- 7. Description of Work Added items 5 and 6 and modified items 3 and 4 per MM-12564
- 8. Tests Conducted:Hydrostatic D Pneumatic Nom. Operating Press. Other 🗵 Exempt

Pressure _____psig Pressure _____psig Test Temp. _____°F Pressure _____psig Test Temp. °F

Signed TRAMMENT FR Sorrow, QA Tech Specialist

Owner or Owner's Designee, Title

Test Temp.

9. Remarks

(Applicable Manufacturer's Data Reports to be attached)

	CERTI	FICATE	OF COMPLIA	NCE
-				

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

Type Code Symbol Stamp N/A Certificate of Authorization No. N/A

Expiration Date N/A

Date ___09/24, 2002

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of North Carolina and employed by HSB CT have inspected the components described in this Owner's Report during the period 9-18-62 to 9-26-02; and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of ASME Code, Section XI. By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's

Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection.

R D. Klein Commissions ___ NB7728, NC853, N-I Inspector's Signature

Date 926 . 2002

National Board, State, Province and Endorsements

FORM NIS-2 OWNER'S REPORT FOR REPAIR / REPLACEMENT ACTIVITY	,
As Required By The Provisions Of The ASME Code Section XI	

1	Owner Address:	Duke Power Company					1e Dete	00/20/02
							1a. Date_	
		526 S. Church Street, Charlotte	e, NC 28201-1006				Sheet	<u>1</u> of <u>1</u>
2.	Plant Address:	McGuire Nuclear Station						
		12700 Hagers Ferry Road, Hu	ntersville, NC 28078					:
2a.	Unit: ⊠1 □2	□3 □Shared (specify Units)				
3.	Address:	y: Duke Power Company 526 S. Church Street, Charle	the NC 28201-1006	1	3a. W	ork Orde	r # : <u>98536479/01</u> Repeir Organization	
	Address.	520 O. OHOICH OHOU, OHAIN	<u> </u>				Hepair Organization	J00 #
	Type Code Symbo	Stamp: N/A Authorization No.	N/A Expiration Date: N	<u>I/A</u>	5 3b. N	ISM or MN	/l #: <u>13532</u>	·
4.	(a) Identification c	f System: <u>NF</u>		4. (b) Class	of Customs D			
4.		· · ·						
5.	(a) Applicable Co	nstruction Code: <u>ASME III</u> 19 <u>71</u> tion of Section XI Utilized for Re	Edition, <u>Summer and V</u>	<u>Vinter</u> Addenda,	N/A		Code	Cases
	(D) Applicable Edi	tion of Section XI Utilized for He	pair / Replacement Act	wity: <u>1995, 1995 Addend</u>	<u>2a</u> (1992 through 19	992 Adder	nda for Class MC an	d CC and their su
6.	Identification of Co	mponents:				5-1 - 7		, .
	Còlumn 1	Column 2	Column 3	Column 4	Column 5	Col 6	Column 7	Column 8
	Name of Component	Name of Mfg	Mfg Serial No.	National Board No.	Other Identification	Year Built	Corrected, Removed, or Installed	ASME Code Stampe (yes or no)
Α							Corrected,	I XINO
	1-MCR-S-NF-100-	01-X DUKE POWER	N/A	N/A	N/A	N/A	IX Removed,	
				· · · · · · · · · · · · · · · · · · ·			□ Installed	
В				•			Corrected,	🗆 No
			1				Removed, Installed	
С			-	-		+	Corrected.	
Ť							B Removed,	
		· · ·					Installed	□ Yes
D							Corrected,	D No
				· · ·	· ·		Removed,	
			· · · ·	_			☐ Installed	
Е							Corrected,	D No
							Removed,	
F	<u> </u>		<u> </u>				□ Installed	
							Corrected,	🗆 No
							Bemoved.	

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

7. Description of Work Deleted (1) of item #6 per MM-13532

8. Tests Conducted:Hydrostatic D Pneumatic Nom. Operating Press. Other Exempt

Pressure	psig	Test Temp.	°F
Pressure	psig	Test Temp.	: °F
Pressure	psig	Test Temp.	°F

9. Remarks _____

(Applicable Manufacturer's Data Reports to be attached)

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp N/A Certificate of Authorization No. N/A

Expiration Date N/A

Date ___09/30/02

FR Sorrow, QA Tech Specialist Signed 7 Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of North Carolina and employed by HSB CT have inspected the components described in this Owner's Report during the period 70-7-92 to 11-5-02; and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of ASME Code, Section XI. By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection. em R.D. Klein Commissions ____NB7728, NC853, N-I Inspector's Signature National Board, State, Province and Endorsements Date | 2002

Page 2 of 2

FORM NIS-2 OWNER'S REPORT FOR REPAIR / REPLACEMENT ACTIVITY As Required By The Provisions Of The ASME Code Section XI

1.	Owner Address:	Duke Power Company					1a. Date_	9/23/02
		526 S. Church Street, Charlotte	. NC 28201-1006		· .		Sheet	_1_ of <u>1</u>
2.	Plant Address:	McGuire Nuclear Station						
		12700 Hagers Ferry Road, Hur	tersville NC 28078			5		
20	Unit: ⊠1 □2	□3 □Shared (specify Units						
z a.			· · · · · · · · · · · · · · · · · · ·					
3.	Work Performed B Address:	y: <u>Duke Power Company</u> 526 S. Church Street, Charlo	tte NC 28201-1006		3a. W	ork Orde	r # :9854155 Repair Organization	
	Type Code Symbol	Stamp: <u>N/A</u> Authorization No.	N/A Expiration Date: N	<u>//A</u>	3b. N	SM or MN	I#: <u>NA</u>	
4.	(a) Identification o	f System:Reactor Coolant (N	C) System	4. (b)	Class of Syster	n: <u>A</u>		
E	(a) Applicable Co	nstruction Code: ASME III 1971	Edition - Rummer and M	Vinter Addende			Code (`
5.	(a) Applicable Col	tion of Section XI Utilized for Rep	pair / Replacement Acti	vity: 1995, 1996 Addence	la (1992 through 19	92 Adden	da for Class MC an	d CC and their supp
6.	Identification of Co	mponents:					·	
	Column 1	Column 2	Column 3	Column 4	Column 5	Col 6	Column 7	Column 8
	Name of Component	Name of Mig	Mig Serial No.	National Board No.	Other Identification	Year Built	Corrected, Removed, or Installed	ASME Code Stamped (yes or no)
A	Hanger	Duke Power	NA	NA	Snubber SN	NA	Corrected,	E No
	1-MCR-NC-55	Company		1	4082		☑ Removed, ☑ Installed	
В	Hanger	Duke Power	NA	NA .	Snubber SN	NA	Corrected.	E No
-	1-MCR-NC-55	Company	·		96-613461-31		□ Removed,	
							Ø Installed	
С							 Corrected, Removed, 	D No
							□ Installed	☐ Yes
D						1	Corrected,	
							Removed,	
<u> </u>							□ Installed □ Corrected,	□ Yes □ No
E							□ Corrected, □ Removed,	
							□ Installed	
F							Corrected,	□ No
							□ Removed,	
							Installed	🗆 Yes

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J.

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

7. Description of Work <u>Replaced snubber</u>, 3/4" rod and nuts

8. Tests Conducted:Hydrostatic
Pneumatic
Nom. Operating Press.
Other
Exempt

 Pressure _____psig
 Test Temp. ____°F

 Pressure _____psig
 Test Temp. ____°F

 Pressure _____psig
 Test Temp. ____°F

9. Remarks NA

(Applicable Manufacturer's Data Reports to be attached)

CERTIFICATE OF COMPLIANCE

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

 Type Code Symbol Stamp N/A
 Expiration Date N/A

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

 Signed H.E. Black, Maint. Tech Specialist
 Date 9/26/02

 Owner or Owner's Designee, Title
 Date 9/26/02

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 <u>North Carolina</u> and employed by <u>HSB CT</u> have inspected the components described in this Owner's Report during the period <u>1-21-02</u> to <u>1-21-02</u>; and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of ASME Code, Section XI. By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for

any personal injury or property damage or a loss of any kind arising from or connected with this inspection. MRD. Klein Commissions NB7728, NC853, N-I ghature National Board, State, Province and Endorsements Date 9-262,2002

FORM NIS-2 OWNER'S REFORT FOR REPAIR / REPLACEMENT ACTIVITY As Required By The Provisions Of The ASME Code Section XI

1. Owner	Address:	Duke Power Company					1a. Date_	10/03/02
		526 S. Church Street, Charlotte, N	IC 28201-1006				Sheet	_1_ of _1
2. Plant A	Address:	McGuire Nuclear Station						
		12700 Hagers Ferry Road, Hunter	sville. NC 28078					
a. Unit:	⊠1 □2	□3 □Shared (specify Units		1	· · · · ·		-	
. Work F Addres		/: Duke Power Company 526 S. Church Street, Charlotte	NC 28201-1006		3a. W	ork Orde	# :_98542427/03	
Addres		525 S. Ondich Street, Ondiotte	140 20201-1000				Repair Organization	1 Job #
Type C	Code Symbol	Stamp: N/A Authorization No. N//	A Expiration Date: N/A	<u>N</u>	3b. N	SM or MM	1#: <u>13637</u>	
. (a) Ide	entification o	f System:NF		4. (b) Class	of System B			
(a) Ap	oplicable Cor	struction Code: ASME III 1971 Edition of Section XI I William of Section XI I William days	tion, <u>Summer and Wir</u>	nter Addenda,	<u>N/A</u>		Cod	le Cases
(D) At	phicable Edit	tion of Section XI Utilized for Repair	r / Heplacement Activit	y: <u>1995, 1996 Addend</u>	ia_ (1992 through 19	92 Adden	da for Class MC an	d CC and their su
Identifi	cation of Co	mponents:	њ.					
Colur		Column 2	Column 3	Column 4	Column 5	Col 6	Column 7	Column 8
Name of	Component	Name of Mig	Mfg Serial No.	National Board No.	Other Identification	Year Built	Corrected, Removed, or Installed	ASME Code Stampe (yes or no)
					<u> </u>		Corrected,	
	LVE 1NF-229	TRW MISSION	I-5291	0003	N/A	1978	XRemoved,	
							□ Installed □ Corrected.	
	LVE 1NF-229	ANDERSON GREENWOOD	N98331-00-0002					
			1	1159 -	N/A	2001		No No
		CROSBY		1159 •	N/A	2001	☐ Removed, ☑ Installed	
		CROSBY		1159 -	N/A	2001	Removed,	
;		CROSBY		1159 -	N/A	2001	Removed,	
		CROSBY		1159 -	N/A	2001	Removed, Installed Corrected, Removed,	⊠Yes □ No
· .	· · · · · · · · · · · · · · · · · · ·	CROSBY		1159 -	N/A	2001	Removed, Installed Corrected, Removed, Installed	⊠Yes □ No □ Yes
· .		CROSBY		1159 -	N/A	2001	Removed, Installed Corrected, Removed, Installed Corrected, Corrected,	⊠Yes □ No
· .		CROSBY		1159 -	N/A	2001	□ Removed, ⊠ Installed □ Corrected, □ Removed, □ Installed □ Corrected, □ Removed,	⊠Yes □ No □ Yes □ No
)		CROSBY		1159 -	N/A	2001	□ Removed, ☑ Installed □ Corrected, □ Removed, □ Installed □ Corrected, □ Removed, □ Installed □ Corrected,	⊠Yes □ No □ Yes
)		CROSBY		1159 -	N/A	2001	 □ Removed, □ Installed □ Corrected, □ Removed, □ Removed, 	⊠Yes □ No □ Yes □ No □ Yes □ No
		CROSBY		1159 -	N/A	2001	 □ Removed, ⊠ Installed □ Corrected, □ Removed, □ Installed □ Corrected, □ Removed, □ Installed □ Corrected, □ Removed, □ Installed 	⊠Yes □ No □ Yes □ No □ Yes □ No □ Yes
)		CROSBY		1159 -	N/A	2001	 □ Removed, □ Installed □ Corrected, □ Removed, □ Removed, 	⊠Yes □ No □ Yes □ No □ Yes □ No

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

7.	Description of Work <u>Replaced valve</u>
8.	Tests Conducted:Hydrostatic □ Pneumatic □ Nom. Operating Press. ⊠ Other □ Exempt□
9.	Pressurepsig Test Temp°F Pressurepsig Test Temp°F Pressurepsig Test Temp°F Remarks
	(Applicable Manufacturer's Data Reports to be attached)
	CERTIFICATE OF COMPLIANCE I certify that the statements made in the report are correct and this conforms to the requirements of the ASME Code, Section XI. Type Code Symbol Stamp N/A Expiration Date N/A Certificate of Authorization No. N/A Expiration Date N/A Signed Hammond FR Sorrow, QA Tech Specialist Date 10/03/02
	CERTIFICATE OF INSERVICE INSPECTION I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of North Carolina and employed by HSB CT have inspected the components described in this Owner's Report during the period 10-10-20 to 10-10-20 ; and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of ASME Code, Section XI By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspector. METTIFICATE OF INSERVICE INSPECTION Inspectors Signature Date 10-10-20 A state that to the best of my knowledge and belief, the Owner's Report in accordance with the requirements of ASME Code, Section XI By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection. METTIFICATE Network in the state of the state

	s required by the Provisions	VI UIC ASIVIE COUC, A	Socion III, DIVISION I	
1. Manufactured by				02093
		e and Address of N C		
Crosby Factory Order No.	NV00005	584	_Customer Order No	MN62606
2. Manufactured for	a sea se	DUKE POV		
	(Nan	ne and Address of Pu	rchaser or Owner)	
. Location of Installation		MCGUIRE NUCL	EAR STATION	
		(Name and	•	
	DS-C-98331 REV.(1159	2001
	(Drawing No.)	(Nat'l.		(Year Built)
. Valve <u>CV1B</u> -	lo., Series No.)	Identifying Nos	N98331-0	
	VV	lalva I D /Tag No	(N Certificate Hold	er's Serial No.)
Safety, Safety Relief:	Pilot; Power Actuated)	alve 1.D./ Tag 140.		.81
Orifice Size 2.75	-	c · 4	Outlet Size	4
inch		inch		inch
. Set Pressure (psig)	•		· ·	° F
. bet i ressure (psig)			Rated Relieving Temper	·
· · · · · · · · · · · · · · · · · · ·			Rated Keneving Temper	
Stamped Capacity Hydrostatic Test (psig) Inlet essure Retaining Pieces	@ 425	Outlet	e Blowdown (psig)	
Hydrostatic Test (psig) Inlet		Outlet	e Blowdown (psig)	
Hydrostatic Test (psig) Inlet	425	Outlet(A	e Blowdown (psig)	losed Systems Only
Hydrostatic Test (psig) Inlet ressure Retaining Pieces	425 Serial	Outlet(A	e Blowdown (psig)	losed Systems Only cation
Hydrostatic Test (psig) Inlet ressure Retaining Pieces	425 Serial Identif	Outlet (A	e Blowdown (psig) Applicable to Valves for C Material Specific Including Type of	losed Systems Only cation or Grade
Hydrostatic Test (psig) Inlet ressure Retaining Pieces Castings	425 Serial	Outlet (A	e Blowdown (psig) Applicable to Valves for C Material Specific	losed Systems Only cation or Grade
Hydrostatic Test (psig) Inlet ressure Retaining Pieces Castings Body Bonnet	425 Serial Identif	Outlet (A	e Blowdown (psig) Applicable to Valves for C Material Specific Including Type of	losed Systems Only cation or Grade
Hydrostatic Test (psig) Inlet ressure Retaining Pieces Castings Body Bonnet Bar Stock & Forgings	425 Serial Identif	Outlet (A	e Blowdown (psig) Applicable to Valves for C Material Specific Including Type of	losed Systems Only cation or Grade
Hydrostatic Test (psig) Inlet ressure Retaining Pieces Castings Body Bonnet Bar Stock & Forgings Nozzle	425 Serial Identif <u>N98198-31-00</u>	Outlet (A	e Blowdown (psig) Applicable to Valves for C Material Specific Including Type of ASME SA182 GR.F310	losed Systems Only cation or Grade 6
Hydrostatic Test (psig) Inlet ressure Retaining Pieces Castings Body Bonnet Bar Stock & Forgings	425 Serial Identif	Outlet (A	e Blowdown (psig) Applicable to Valves for C Material Specific Including Type of	losed Systems Only; cation or Grade 6
Hydrostatic Test (psig) Inlet ressure Retaining Pieces Castings Body Bonnet Bar Stock & Forgings Nozzle Disc	425 Serial Identif <u>N98198-31-00</u>	Outlet (A	e Blowdown (psig) Applicable to Valves for C Material Specific Including Type of ASME SA182 GR.F310	losed Systems Only cation or Grade 6
Hydrostatic Test (psig) Inlet ressure Retaining Pieces Castings Body Bonnet Bar Stock & Forgings Nozzle Disc Spring Washers	425 Serial Identif <u>N98198-31-00</u>	Outlet (A	e Blowdown (psig) Applicable to Valves for C Material Specific Including Type of ASME SA182 GR.F310	losed Systems Only cation or Grade 6
Hydrostatic Test (psig) Inlet ressure Retaining Pieces Castings Body Bonnet Bar Stock & Forgings Nozzle Disc Spring Washers Adjusting Bolt	425 Serial Identif <u>N98198-31-00</u>	Outlet (A	e Blowdown (psig) Applicable to Valves for C Material Specific Including Type of ASME SA182 GR.F310	losed Systems Only cation or Grade 6
Hydrostatic Test (psig) Inlet ressure Retaining Pieces Castings Body Bonnet Bar Stock & Forgings Nozzle Disc Spring Washers Adjusting Bolt Spindle	425 Serial Identif <u>N98198-31-00</u>	Outlet (A	e Blowdown (psig) Applicable to Valves for C Material Specific Including Type of ASME SA182 GR.F310	losed Systems Only cation or Grade 6
Hydrostatic Test (psig) Inlet ressure Retaining Pieces Castings Body Bonnet Bar Stock & Forgings Nozzle Disc Spring Washers Adjusting Bolt Spindle Spring	425 Serial Identif <u>N98198-31-00</u>	Outlet (A	e Blowdown (psig) Applicable to Valves for C Material Specific Including Type of ASME SA182 GR.F310	losed Systems Only cation or Grade 6
Hydrostatic Test (psig) Inlet ressure Retaining Pieces Castings Body Bonnet Bar Stock & Forgings Nozzle Disc Spring Washers Adjusting Bolt Spindle Spring Bolting	425 Serial Identif <u>N98198-31-00</u>	Outlet (A	e Blowdown (psig) Applicable to Valves for C Material Specific Including Type of ASME SA182 GR.F310	losed Systems Only cation or Grade 6
Hydrostatic Test (psig) Inlet ressure Retaining Pieces Castings Body Bonnet Bar Stock & Forgings Nozzle Disc Spring Washers Adjusting Bolt Spindle Spring Bolting Other Pieces	425 Serial Identif <u>N98198-31-00</u> <u>N98199-31-00</u>	Outlet (A	e Blowdown (psig) Applicable to Valves for C Material Specific Including Type of ASME SA182 GR.F310 ASME SA479 TYPE 3	losed Systems Only cation or Grade 6
Hydrostatic Test (psig) Inlet ressure Retaining Pieces Castings Body Bonnet Bar Stock & Forgings Nozzle Disc Spring Washers Adjusting Bolt Spindle Spring Bolting Other Pieces HINGE PIN	425 Serial Identif <u>N98198-31-00</u> <u>N98199-31-00</u> <u>N98351-31-00</u>	Outlet (A	e Blowdown (psig) Applicable to Valves for C Material Specific Including Type of ASME SA182 GR.F310 	losed Systems Only cation or Grade 6
Hydrostatic Test (psig) Inlet ressure Retaining Pieces Castings Body Bonnet Bar Stock & Forgings Nozzle Disc Spring Washers Adjusting Bolt Spindle Spring Bolting Other Pieces HINGE PIN HINGE PIN	425 Serial Identif <u>N98198-31-00</u> <u>N98199-31-00</u> <u>N98351-31-00</u> <u>N98351-31-00</u>	Outlet (A	e Blowdown (psig) Applicable to Valves for C Material Specific Including Type of ASME SA182 GR.F310 ASME SA479 TYPE 3 ASME SA479 TYPE 3 ASME SA564 GR.630 ASME SA564 GR.630	losed Systems Only cation or Grade 6 16
Hydrostatic Test (psig) Inlet ressure Retaining Pieces Castings Body Bonnet Bar Stock & Forgings Nozzle Disc Spring Washers Adjusting Bolt Spindle Spring Bolting Other Pieces HINGE PIN	425 Serial Identif <u>N98198-31-00</u> <u>N98199-31-00</u> <u>N98351-31-00</u>	Outlet (A	e Blowdown (psig) Applicable to Valves for C Material Specific Including Type of ASME SA182 GR.F310 	losed Systems Only cation or Grade 6 16

Form NV-1 (Back)

Certificate Holder's Serial No N98331-00-0002

Q C.-44D-1A Sheet 2 of

We certify that the statements made in this rep construction of the ASME Code for Nuclear F Addenda <u>SUMMER 1980</u> , Code Case (Date) Class <u>2</u>	Power Plant Components, Sect	ion III. Div 1 1980	Edition.
	Anderson Greenwood Crosby Wrentham, MA (N Certificate Holder)	by D.E. Tatte	S
Our ASME Certificate of Authorization No.	N-1878 to use the	<u>NV</u> symbol expires	Sep. 30, 2001 (Date)
CE	ERTIFICATE OF DESIG	'N	
Design information on file at	Anderson Greenwood Crosby	- Wrentham, MA	
Stress analysis report (Class 1 only) on file at			
Design specifications certified by '	R E.	MILLER	
PE State NC	Reg. No	4860	
Stress report certified by '			

PE State

Signed

¹ Signature not required - list name only.

CERTIFICATE OF SHOP INSPECTION

Reg. No

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of <u>Massachusetts</u> and employed by <u>Factory Mutual Insurance Co.</u> of <u>Johnston, Rhode Island</u> have inspected the pump, or valve, described in this Data Report on <u>April 20</u>, 2001 and state that to the best of my knowledge and belief, the N Certificate Holder has constructed this pump, or valve, in accordance with the ASME Code for Nuclear Power Plant Components By signing this certificate, neither the Inspector nor his employer makes any warrant, expressed or implied, concerning the equipment described in this Data Report Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property comage or a loss of any kind arising from or connected with this inspection.

(Inspector) Commissions NB 10289 N MA-1418 (Nat'l. Bd., State, Prov. and No.)

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

1.	Owner Address:	Duke Power Company	1a. Date <u>9/25/02</u>
		526 S. Church Street, Charlotte, NC 28201-1006	Sheet <u>1</u> of <u>1</u>
2.	Plant Address:	McGuire Nuclear Station	
		12700 Hagers Ferry Road, Huntersville, NC 28078	
2a.	Unit: 1 12	DShared (specify Units)	н н н
3.	Work Performed By Address:	: <u>Duke Power Company</u> 526 S. Church Street, Charlotte NC 28201-1006 3a. Work Order # :	98543138 Repair Organization Job #
	Type Code Symbol	Stamp: <u>N/A</u> Authorization No. <u>N/A</u> Expiration Date: <u>N/A</u> 3b. NSM or MM #:	_NA
4.	(a) Identification of	System: <u>Residual Heat Removal (ND) System</u> 4. (b) Class of System: <u>B</u>	
5.	(a) Applicable Con(b) Applicable Edit	struction Code: <u>ASME III</u> 19 <u>71</u> Edition, <u>Summer and Winter</u> Addenda,	Code Cases or Class MC and CC and their supports
6.	Identification of Con	nponents:	

	Column 1	Column 2	Column 3	Column 4	Column 5	Col 6	Column 7	Column 8
	Name of Component	Name of Mfg	Mfg Serial No.	National Board No.	Other Identification	Year Built	Corrected, Removed, or Installed	ASME Code Stamped (yes or no)
A	Hanger 1-MCA-ND-301	Duke Power Company	NA	NA	Snubber SN 27678	NA	□ Corrected, ☑ Removed,	⊠ No
							Installed	Yes
В	Hanger 1-MCA-ND-301	Duke Power Company	NA	NA .	Snubber SN 19186	NA	Corrected, Removed,	⊠ No
c							☑ Installed	
Ŭ			· · ·				 Corrected, Removed, 	🗆 No
							Installed	Yes
D							 Corrected, Removed, 	🗆 No
L							Installed	□ Yes
E							 Corrected, Removed, 	□ No
							□ Installed	
F							Corrected, Removed,	□ No
							□ Installed	🗖 Yes

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

7.	Description of Work <u>Replaced snubber</u>
8.	Tests Conducted:Hydrostatic □ Pneumatic □ Nom. Operating Press. □ Other □ Exempt☑

Pressure _____psig Test Temp. _____°F Pressure _____psig Test Temp. _____°F Pressure _____psig Test Temp. _____°F

9. Remarks NA

(Applicable Manufacturer's Data Reports to be attached)

CERTIFICATE OF COMPLIAN I certify that the statements made in the report are correct ar of the ASME Code, Section XI.	CE Id this conforms to the requirements
Type Code Symbol Stamp <u>N/A</u> Certificate of Authorization No. <u>N/A</u>	Expiration Date <u>N/A</u>
Signed The Black, Maint. Tech Specialist Owner or Owner's Designee, Title	Date <u>9/27/02</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 <u>North Carolina</u> and employed by <u>HSB CT</u> have inspected the components described in this Owner's Report during the period $\underline{9-25-62}$ to $\underline{9-27-62}$; and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of ASME Code, Section XI. By signing this certificate neither the Inspector nor his employer makes any warranty, expressed

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

Inspector's Signature Inspector's Signature Date <u>9-27</u>.2002

Commissions <u>NB7728, NC853, N-1</u> National Board, State, Province and Endorsements

()	ower Company, P.U.	pmpany, 5425 South R Box 32307, Charlot	te, N.C. 28232	ton,
3. Location of Installation MCC	ame and Address of Purchaser	on, Hwy. 73 Cowans I	ord, N.C. 28216	
1) _ (1)	ame and Address)		1 2021	,
4. Pump or Valve <u>Valve</u>		ominal Inlet Size4	Outlet Size	nch)
		nadian		
Series No. or Type		tration (d) Drawing o. No. (e) Class Bd. No.	(g) Y
•••	•			Bu
	N15026 / N//			1
(2) Valve	N15027 / N//			-1
CCC N	N15028 / N/			1
(4) <u>SSE-N</u>	N15029 N/			1
(5)	N15030 / N//			
(6)	N15031 / N// N15032 / N//			-19 - 19
	N15032 · N//		•= •	19
(8)	N15034 N/			-1
	N15035 N//			$-\frac{1}{19}$
		······		
Mark No.	Material Spec. No.	Manufacturer	Bemarks	
	Material Spec. No.	Manufacturer	Remarks	
Mark No. (a) Castings N/A	Material Spec. No.	Manufacturer	Remarks	
	Material Spec. No.	Manufacturer	Remarks	
	Material Spec. No.	Manufacturer	Remarks	
	Material Spec. No.	Manufacturer	Remarks	· · · · · · · · · · · · · · · · · · ·
	Material Spec. No.	Manufacturer	Remarks	·····
	Material Spec. No.	Manufacturer	Remarks	
	Material Spec. No.	Manufacturer	Remarks	· · · · · · · · · · · · · · · · · · ·
	Material Spec. No.	Manufacturer	Remarks	
	Material Spec. No.	Manufacturer	Remarks	· · · · · · · · · · · · · · · · · · ·
	Material Spec. No.	Manufacturer	Remarks	
(a) <u>Castings N/A</u>				
(a) <u>Castings N/A</u>	Material Spec. No.	Manufacturer	Remarks	
(a) <u>Castings N/A</u>				
(a) <u>Castings N/A</u>				
(a) <u>Castings N/A</u>				

77

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

(3/77)

This form (E00037) may be obtained from the Order Dept., ASME, 345 E, 47 St., New York, N.Y. 10017 FORM # 516 10/78

01/19/2003	09:16	7048754279	
••		•	

SAFTY REVIEW

Mark No. Molerial Spec. No.		Manufacturer	Remarks
(c) Batting NOA-2309-203	SA193-82M	Texas Bolt	
(A119)			` `
		<u>}</u>	
(d) Other Farts N04-2325-002 (A128)	SA479-316	AGCU	Dîsc
<u>N04-2474-001</u> (A114) (A120)	SA564-630-H1100	AGCO	Bushing Hinge Pin
	5-1-1-15- 		
sydrostatic lest425	ρsi		· ·
	CERTIFICATE OF CC	MPLIANCE	

We certify that the statements made in this report are correct and that this pump, or value, conforms to construction of the ASME Code for Nuclear Power Plant Components. Section III, Div. 1., Educed $\frac{10}{2000}$, Addenda Date Date	o the rules of 180
Addanda Code Case No Date	
(Manufacurer) Our ASME Certificate of Authorization No. <u>2203</u> to use the <u>N</u> symbol expires	8/4/84 (Date)

	CERTIFICATION OF DESIGN		
Design information on file at	Anderson, Greenwood & Company	χ	•
Stress analysis report (Class 1 o	nly) on file atN/A		
Design specifications concluded by PE State <u>N. Carolina</u> R Stress analysis contified by (1) . PE State <u>Iexas</u> R	<u>George Findlay</u>		
(1) Signature not required. List r	name only		

CERTIFICATE OF SHOP INSPECTION

- 2/9 structed this pump, or valve, in accordance with the ASME Code, Section III. By referring this conditioner, number the locanctor nor his employer makes any warranty expressed or implied, concerning the equipment described in this Data Report. Furthermore, neither the inspector nor his employer shall be liable in any Presser for any personal report of property daringe or a loss of any kind arriving frem or connected with this inspection. 1 -2/10, Dese Commissions () lastil Kole 9099 Oc mining - Unstream F ---- $\langle \rangle$

6.0 Pressure Testing

Table 6-1 shows a summary of pressure tests completed from refueling outage EOC-14 through refueling outage EOC-15. There were no relevant conditions observed during these pressure tests.

Table 6-1						
Examination Category	Test Requirement	Total Completed				
B-P	System Leakage Test (IWB-5220)	1				
С-Н	System Leakage Test (IWC-5220)	4				

Outage 1/EOC 15 McGuire Unit 1 Section 6 – Third Ten-Year Interval Page 1 of 4 Revision 0 December 2, 2002 b

Table 6-2 shows a completion status of pressure tests conducted during the first period of the third ten-year interval.

Table 6-2								
Examination Category	Test Requirement	Total Examinations Required For This Period	Total Examinations Credited For This Period	(%) Examinations Complete For This Period				
B-P	System Leakage Test (IWB-5220)	2	1	50%				
a first a constant of the				些·深望起来了这样。				
С-Н	System Leakage Test (IWC-5220)	59	4	6.78%				

A detailed listing of the required pressure tests for the first period in the third interval is located in subsection 6.1 of this report. Results of these pressure tests are located in subsection 6.2 of this report.

Outage 1/EOC 15 McGuire Unit 1 Section 6 – Third Ten-Year Interval Page 2 of 4 Revision 0 December 2, 2002

6.1 <u>Pressure Tests Required for the First Period of the Third Ten-Year Interval:</u>

A listing of the pending Class 2 hydrostatic test required to complete the third period of the second ten-year interval is included in this section.

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

Zone Number	=	The unique number assigned to track certain systems or portions of systems that make up a pressure test.
Boundary Drawing	=	Detail drawing of pressure test boundary.
Required Test	=	Type of system pressure test required
System Name	=	Name of pressure retaining component system.
Required Inspection	=	Type of visual examination required.
Required Procedure	=	Required inspection procedure.
Plan Addenda		Serial Number(s) of change authorizations to the ISI plan for each examination zone.
ASME Item Number(s)		ASME Section XI Tables IWB-2500-1 (Class 1), IWC-2500-1 (Class 2), and IWD-2500-1 (Class 3).
Comments	=	Additional information if applicable.

Outage 1/EOC 15 McGuire Unit 1 Section 6 – Third Ten-Year Interval

Duke Power Company - McGuire Unit 1 Pressure Testing Zone Number Listing

Outage 15

Int = 3Period = 1

Zone Number	Boundary Drawing	Required Test	System Name	Required	Required Procedure	Plan Addenda	ASME Item Number(s)	Comments
1NC-070L-A	MC-ISIL-1562-02.01	Leakage	Reactor Coolant (NC)	VT-2	QAL-15	None	B15.50 B15.70	ASME Section XI Code IWB-5222 (b) requires the pressure retaining boundary to extend to all Class A pressure retaining component within the system boundary for the leakage test conducted at or near the end of the interval.

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Duke Power Company - McGuire Unit 1 Pressure Testing Zone Number Listing

Outage 15

Int = 3Period = 1

Zone Number	Boundary Drawing	Required Test	System Name	Required Inspection	Required Procedure	Plan Addenda	ASME Item Number(s)	Comments	
1FW-026L-B	MC-ISIL-1571-01.00	Leakage	Refueling Water (FW)	VT-2	QAL-15	None	C7.30 C7.70	None	
1KC-003L-B	MC-ISIL-1573-03.01	Leakage	Component Cooling (KC)	VT-2	QAL-15	None	C7.10 C7.30 C7.70	None	
1ND-019L-B	MC-ISIL-1561-01.00	Leakage	Residual Heat Removal (ND)	VT-2	QAL-15	None	C2.33 C7.10 C7.30 C7.50 C7.70	This Zone includes the VT-2 visual examination of inlet and outlet nozzles for Residual Heat Exchanger 1A as required by Table IWC-2500-1, Category C-B, Footnote 5.	
1NI-039L-B	MC-ISIL-1562-03.01	Leakage	Safety Injection (NI)	VT-2	QAL-15	None	C7.30 C7.70	None	
1NI-060L-B	MC-ISIL-1562-02.01	Leakage	Safety Injection (NI)	VT-2	QAL-15	None	C7.30 C7.70	None	
1NV-016L-B	MC-ISIL-1554-01.02	Leakage	Chemical & Volume Control (NV)	VT-2	QAL-15	None	C7.30	None	
	MC-ISIL-1562-01.00	Leakage	Safety Injection (NI)	VT-2	QAL-15	None	C7.30 C7.70	None	
1NV-017L-B	MC-ISIL-1554-01.00	Leakage	Chemical & Volume Control (NV)	VT-2	QAL-15	None	C7.30 C7.70	None	
1NV-018L-B	MC-ISIL-1554-01.02	Leakage	Chemical & Volume Control (NV)	VT-2	QAL-15	None	C7.30 C7.70	None	
1NV-045L-B	MC-ISIL-1554-03.00	Leakage	Chemical & Volume Control (NV)	VT-2	QAL-15	None	C7.10 C7.30	None	

This Report 0 12/03/2002 Generated On:

Duke Power Company - McGuire Unit 1 Pressure Testing Zone Number Listing

Outage 15

Int = 3Period = 1

Zone Number	Boundary Drawing	Required Test	System Name	Required Inspection	Required Procedure	Plan Addenda	ASME Item Number(s)	Comments
1NV-045L-B							C7.50 C7.70	
1NV-051L-B	MC-ISIL-1554-03.01	Leakage	Chemical & Volume Control (NV)	VT-2	QAL-15	None	C7.30 C7.50 C7.70	None
1RN-004L-B	MC-ISIL-1574-04.00	Leakage	Nuclear Service Water (RN)	VT-2	QAL-15	None	C7.30 C7.70	None
1RV-002L-B	MC-ISIL-1604-03.00	Leakage	Containment Ventilation Cooling	VT-2	QAL-15	None	C7.30 C7.70	None

6.2 Examination Results For This Outage Cycle:

The results of each pressure test and associated VT-2 Visual Examination conducted from EOC-14 through EOC-15 are included in this section.

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

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

Outage 1/EOC 15 McGuire Unit 1 Section 6 – Third Ten-Year Interval Page 4 of 4 Revision 0 December 2, 2002

Current Interval = 3 Current Period = 1 Class = A

Boundary

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

	Doundary					
Zone Number	Drawing	Outage	Test Status	Test Result	VT-2 Date	
1NC-070L-A	MC-ISIL-1553-02.00	15	Complete	Clear	10/08/2002	
	MC-ISIL-1553-02.01	15	Complete	Clear	10/08/2002	
	MC-ISIL-1554-01.00	15	Complete	Clear	10/08/2002	
	MC-ISIL-1554-01.01	15	Complete	Clear	10/08/2002	
	MC-ISIL-1554-01.02	15	Complete	Clear	10/08/2002	
	MC-ISIL-1561-01.00	15	Complete	Clear	10/08/2002	
	MC-ISIL-1562-01.00	15	Complete	Clear	10/08/2002	
	MC-ISIL-1562-02.00	15	Complete	Clear	10/08/2002	
	MC-ISIL-1562-02.01	15	Complete	Clear	10/08/2002	
	MC-ISIL-1562-03.00	15	Complete	Clear	10/08/2002	
	MC-ISIL-1562-03.01	15	Complete	Clear	10/08/2002	
	MC-ISIL-1553-01.00	15	Complete	Clear	10/08/2002	

Current Interval = 3 Current Period = 1 Class = B

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

1

Zone Number	Boundary Drawing	Outage	Test Status	Test Result	VT-2 Date
1FW-026L-B	MC-ISIL-1571-01.00	15	Complete	Clear	09/26/2002
1KC-003L-B	MC-ISIL-1573-03.01	15	Partial	Clear	10/03/2002
1NC-070L-A	MC-ISIL-1553-01.00	15	Complete	Clear	10/08/2002
1ND-019L-B	MC-ISIL-1562-03.01	15	Partial	Clear	09/17/2002
1NI-039L-B	MC-ISIL-1562-03.01	15	Partial	Clear	09/19/2002
1NI-060L-B	MC-ISIL-1562-02.01	15	Partial	Clear	09/30/2002
1NV-016L-B	MC-ISIL-1554-01.00	15	Partial	Clear	10/09/2002
	MC-ISIL-1554-01.01	15	Partial	Clear	10/09/2002
	MC-ISIL-1554-01.02	15	Partial	Clear	10/09/2002
	MC-ISIL-1554-03.00	15	Partial	Clear	10/09/2002
	MC-ISIL-1554-03.01	15	Partial	Clear	10/09/2002
	MC-ISIL-1562-01.00	15	Partial	Clear	10/09/2002
	MC-ISIL-1562-03.00	15	Partial	Clear	10/09/2002
1NV-017L-B	MC-ISIL-1554-01.00	15	Complete	Clear	09/14/2002
	MC-ISIL-1554-01.01	15	Complete	Clear	09/14/2002
	MC-ISIL-1554-01.02	15	Complete	Clear	09/14/2002
	MC-ISIL-1554-01.03	15	Complete	Clear	09/14/2002
1NV-018L-B	MC-ISIL-1554-01.02	15	Partial	Clear	09/14/2002
1NV-045L-B	MC-ISIL-1554-03.00	15	Partial	Clear	10/09/2002
1NV-051L-B	MC-ISIL-1554-03.01	15	Partial	Ciear	10/09/2002
1RN-004L-B	MC-ISIL-1574-04.00	15	Partial	Clear	10/04/2002
1RV-002L-B	MC-ISIL-1604-03.00	15	Complete	Recordable	09/17/2002

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