Duke Energy

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Vice President

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January 31, 2000

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

Subject: McGuire Nuclear Station, Unit 1
Docket 50-369
Inservice Inspection Report
Thirteenth Refueling Outage

Please find attached the Inservice Inspection Report for the McGuire Unit 1 thirteenth refueling outage.

Section 5.2 lists the limited examination item numbers and the relief request under which relief is sought. Note that these are 98-002, 98-003 and 99-003. Relief requests 98-002 and 98-003 for limited examinations have been approved by the NRC (TAC Nos MA3756 and MA3757). Limited examination relief request 99-003 is under development and will be submitted to the NRC in February of 2000. This Inservice Inspection Report contains no regulatory commitment statements.

Any questions should be directed to Norman T. Simms, McGuire Licensing and Compliance at (704) 875-4685.

N B Barron

H. B. Barron, Vice President
McGuire Nuclear Station

Attachment

A047 1/1

cc (without Attachment):

Mr. F. Rinaldi, Project Manager
Office of Nuclear Reactor Regulation
U. S. Nuclear Regulatory Commission
Washington, D.C. 20555

Mr. Luis A. Reyes, Regional Administrator
Region II
U. S. Nuclear Regulatory Commission
Atlanta Federal Center
61 Forsyth St., SW, Suite 23T85
Atlanta, GA 30303

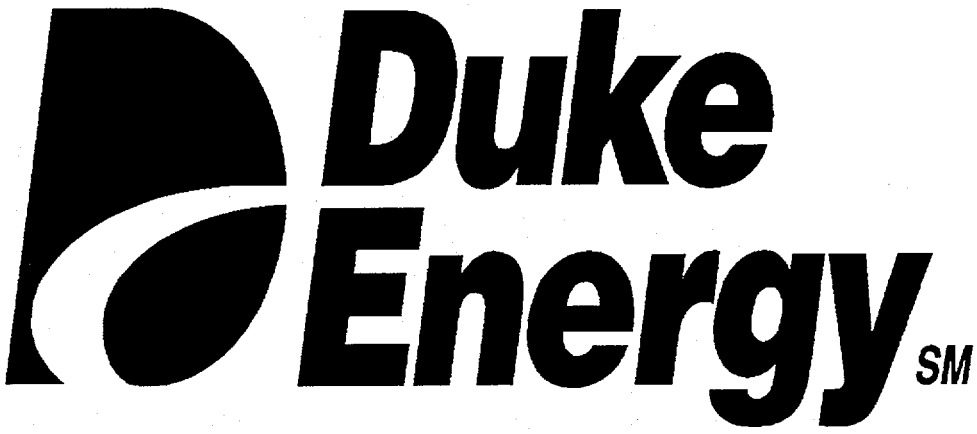
Mr. Scott Shaeffer
NRC Senior Resident Inspector
McGuire Nuclear Station

bxc wo/att:

J. O. Barbour EC07J
R. Branch MG01MM
G. J. Underwood EC07J
D. E. Caldwell MG01MM
R. K. Rhyne EC07J
G. D. Scarboro EC07J
EC05O-ELL

INSERVICE INSPECTION REPORT

Duke Power Company
McGuire Nuclear Station
Unit 1
Thirteenth Refueling Outage



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

As required by the Provisions of the ASME Code Rules

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

2. Plant: McGuire Nuclear Station, Highway 73 Cowans Ford, N.C. 28216
(Name and Address of Plant)

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

5. Commercial Service Date: December 1, 1981 6. National Board Number for Unit 44

7. Components Inspected:

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

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

FORM NIS-1 (Back)

8. Examination Dates July 02, 1998 to November 05, 1999

9. Inspection Period Identification: Third period of the Second Interval

10. Inspection Interval Identification: Second Inservice Inspection Interval

11. Applicable Edition of Section XI 1989 Addenda None

12. Date/Revision of Inspection Plan: September 7, 1999/Revision 3

13. Abstract of Examinations and Test. Include a list of examinations and tests and a statement concerning status of work required for the Inspection Plan. See Sections 3.0, 4.0, and 11.0

14. Abstract of Results of Examination and Tests. See Section 5.0, and 11.0

15. Abstract of Corrective Measures. See Section 8.0

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

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

Date 1/20 19 2000 Signed Duke Energy Corp. By R. Kevin Rhyne
Owner

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State of Province of NORTH CAROLINA employed by * The HSBI&I Co. of HARTFORD, CT have inspected the components described in this Owners' Report during the period 7-2-98 to 1-21-00, and state that to the best of my knowledge and belief, the Owner has performed examinations and tests and taken corrective measures described in the Owners' Report in accordance with the Inspection Plan and as required by the ASME Code, Section XI.
By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations, test, and corrective measures described in this Owners' Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection

R. K. Klein
Inspector's Signature

Commissions NB7728 NC853 N-I
National Board, State, Province, and Endorsements

Date 1-21 19~~19~~ 2000

* The Hartford Steam Boiler Inspection & Insurance Co.
200 Ashford Center North
Suite 300
Atlanta, GA. 30338

INSERVICE INSPECTION REPORT

UNIT 1 MCGUIRE 1999
OUTAGE 6/EOC 13

Location: Hwy. 73, Cowans Ford, North Carolina 28216

NRC Docket No. 50-369

National Board No. 44

Commercial Service Date: December 1, 1981

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

Revision 0

Prepared By: Gary D. Seaborn Date 1-20-00

Reviewed By: Gary Underwood Date 1/20/2000

Approved By: R. Kevin Rhyne Date 1/20/00

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State of North Carolina
Department of Labor
c/o J. M. Givens, Jr.

Laura Burba / Nuclear GO
Regulatory & Industrial Affairs
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TABLE OF CONTENTS

1.0 General Information

This report describes the Inservice Inspection of Duke Energy Corporation's McGuire Nuclear Station Unit 1 during Outage 6/EOC 13. This is the First Outage of the Third Inspection Period of the Second Ten-Year Interval.

Included in this report are: the final Inservice Inspection Plan, the inspection results for each item, a summary for each category of examination and corrective action taken when unacceptable conditions were found. In addition, there is a section included for repairs and replacements required since July 02, 1998.

1.1 Identification Numbers

Item	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

Continued

Item	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

Continued

Item	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.	KC	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

Item	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 Authorized Nuclear Inservice Inspector(s)

Name: R. D. Klein

Employer: The Hartford Steam Boiler Inspection & Insurance Company

Business Address: The Hartford Steam Boiler Inspection & Insurance Co.
200 Ashford Center North
Suite 300
Atlanta, GA 30338

2.0 *Summary of Inservice Inspections*

The information shown below provides an abstract of ASME Section XI Class 1, Class 2, and Augmented Items scheduled and examined during Outage 6/EOC 13 at McGuire Nuclear Station Unit 1.

2.1 *Class 1 Inspection*

Examination Category B-A Pressure Retaining Welds in Reactor Vessel

Item Number	*Description*	*Total Examined During Outage*
B01.010	***Shell Welds***	
B01.011	Circumferential	0
B01.012	Longitudinal	N/A
B01.020	***Head Welds***	
B01.021	Circumferential	0
B01.022	Meridional	0
B01.030	Shell-to-Flange Welds	0
B01.040	Head-to-Flange Welds	0
B01.050	***Repair Welds***	
B01.051	Beltline Region	N/A
TOTALS		0

Examination Category B-B Pressure Retaining Welds in Vessels Other than Reactor Vessels

Item Number	Description	Total Examined During Outage
	Pressurizer	
B02.010	***Shell-to-Head Welds***	
B02.011	Circumferential	0
B02.012	Longitudinal	1
B02.020	***Head Welds***	
B02.021	Circumferential	N/A
B02.022	Meridional	N/A
	Steam Generators (Primary Side)	
B02.030	***Head Welds***	
B02.031	Circumferential	N/A
B02.032	Meridional	N/A
B02.040	Tubesheet-to-Head Weld	1
	Heat Exchangers (Primary Side) -- Head	
B02.050	***Head Welds***	
B02.051	Circumferential	N/A
B02.052	Meridional	N/A
	Heat Exchangers (Primary Side) -- Shell	
B02.060	Tubesheet-to-Head Welds	N/A
B02.070	Longitudinal Welds	N/A
B02.080	Tubesheet-to-Shell Welds	N/A
TOTALS		2

Examination Category B-D — Full Penetration Welds of Nozzles in Vessels Inspection Program B

Item Number	*Description*	*Total Examined During Outage*
	Reactor Vessel	
B03.090	Nozzle-to-Vessel Welds	0
B03.100	Nozzle Inside Radius Section	0
	Pressurizer	
B03.110	Nozzle-to-Vessel Welds	1
B03.120	Nozzle Inside Radius Section	2
	Steam Generators (Primary Side)	
B03.130	Nozzle-to-Vessel Welds	N/A
B03.140	Nozzle Inside Radius Section	2
	Heat Exchangers (Primary Side)	
B03.150	Nozzle-to-Vessel Welds	N/A
B03.160	Nozzle Inside Radius Section	N/A
TOTALS		5

Examination Category B-E — Pressure Retaining Partial Penetration Welds in Vessels

REFERENCE SECTION 11.0 OF THIS REPORT

Examination Category B-F Pressure Retaining Dissimilar Metal Welds

Item Number	Description	Total Examined During Outage
	Reactor Vessel	
B05.010	Nominal Pipe Size 4" or Larger Nozzle-to-Safe End Butt Welds	1 1/3
B05.020	Nominal Pipe Size Less Than 4" Nozzle-to-Safe End Butt Welds	N/A
B05.030	Nozzle-to-Safe End Socket Welds	N/A
	Pressurizer	
B05.040	Nominal Pipe Size 4" or Larger Nozzle-to-Safe End Butt Welds	2
B05.050	Nominal Pipe Size Less Than 4" Nozzle-to-Safe End Butt Welds	N/A
B05.060	Nozzle-to-Safe End Socket Welds	N/A
	Steam Generator	
B05.070	Nominal Pipe Size 4" or Larger Nozzle-to-Safe End Butt Welds	2
B05.080	Nominal Pipe Size Less Than 4" Nozzle-to-Safe End Butt Welds	N/A
B05.090	Nozzle-to-Safe End Socket Welds	N/A
	Heat Exchangers	
B05.100	Nominal Pipe Size 4" or Larger Nozzle-to-Safe End Butt Welds	N/A
B05.110	Nominal Pipe Size Less Than 4" Nozzle-to-Safe End Butt Welds	N/A
B05.120	Nozzle-to-Safe End Socket Welds	N/A

Examination Category B-F (Continued)

	Piping	
B05.130	Nominal Pipe Size 4" or Larger Dissimilar Metal Butt Welds	1 1/3
B05.140	Nominal Pipe Size Less Than 4" Dissimilar Metal Butt Welds	N/A
B05.150	Dissimilar Metal Socket Welds	N/A
TOTALS		6 2/3

Examination Category B-G-1 Pressure Retaining Bolting, Greater Than 2" in Diameter

Item Number	*Description*	*Total Examined During Outage*
	Reactor Vessel	
B06.010	Closure Head Nuts	22
B06.020	Closure Studs (in place)	0
B06.030	Closure Studs (when removed)	22
B06.040	Threads in Flange	0
B06.050	Closure Washers, Bushings	22
	Pressurizer	
B06.060	Bolts and Studs	N/A
B06.070	Flange Surface (when connection disassembled)	N/A
B06.080	Nuts, Bushings, and Washers	N/A
	Steam Generators	
B06.090	Bolts and Studs	4
B06.100	Flange Surface (when connection disassembled)	8*
B06.110	Nuts, Bushings, and Washers	4

* **Note:** These items were examined this outage but will not be counted in the totals. Examinations were credited in the second period of this interval.

Examination Category B-G-1 (Continued)

Item Number	Description	Total Examined During Outage
	Heat Exchangers	
B06.120	Bolts and Studs	N/A
B06.130	Flange Surface (when connection disassembled)	N/A
B06.140	Nuts, Bushings, and Washers	N/A
	Piping	
B06.150	Bolts and Studs	N/A
B06.160	Flange Surface (when connection disassembled)	N/A
B06.170	Nuts, Bushings, and Washers	N/A
	Pumps	
B06.180	Bolts and Studs	0
B06.190	Flange Surface[1] (when connection disassembled)	0
B06.200	Nuts, Bushings, and Washers	1
	Valves	
B06.210	Bolts and Studs	N/A
B06.220	Flange Surface[1] (when connection disassembled)	N/A
B06.230	Nuts, Bushings, and Washers	N/A
TOTALS		75

[1] Items to be inspected when disassembled but will not be counted in totals or percentages for the B-G-1 category. These items will be listed in sections 4 and 5 of this report.

Examination Category B-G-2 Pressure Retaining Bolting, 2" and Less in Diameter

Item Number	*Description*	*Total Examined During Outage*
	Reactor Vessel	
B07.010	Bolts, Studs, and Nuts	N/A
	Pressurizer	
B07.020	Bolts, Studs, and Nuts	0
	Steam Generators	
B07.030	Bolts, Studs, and Nuts	0
	Heat Exchangers	
B07.040	Bolts, Studs, and Nuts	N/A
	Piping	
B07.050	Bolts, Studs, and Nuts	7
	Pumps	
B07.060	Bolts, Studs, and Nuts	0
	Valves	
B07.070	Bolts, Studs, and Nuts	3
	CRD Housing	
B07.080	Bolts, Studs, and Nuts in CRD Housing when disassembled [2]	0
TOTALS		10

[2] Items to be inspected when disassembled but will not be counted in the totals or percentages for the B-G-2 category. These items will be listed in sections 4 and 5 of this report.

Examination Category B-H Integral Attachments for Vessels

Item Number	Description	Total Examined During Outage
	Reactor Vessel	
B08.010	Integrally Welded Attachments	0
	Pressurizer	
B08.020	Integrally Welded Attachments	4
	Steam Generators	
B08.030	Integrally Welded Attachments	N/A
	Heat Exchangers	
B08.040	Integrally Welded Attachments	N/A
TOTALS		4

Examination Category B-J Pressure Retaining Welds in Piping

Item Number	Description	Total Examined During Outage
B09.010	Nominal Pipe Size 4" or Larger	
B09.011	Circumferential Welds	18
B09.012	Longitudinal Welds [3]	N/A
B09.020	Nominal Pipe Size Less than 4"	
B09.021	Circumferential Welds	6
B09.022	Longitudinal Welds [3]	N/A

Examination Category B-J (Continued)

B09.030	Branch Pipe Connection Welds	
B09.031	Nominal Pipe Size 4" or Larger	0
B09.032	Less than Nominal Pipe Size 4"	1
B09.040	Socket Welds	12
TOTALS		37

[3] Longitudinal welds in Examination Category B-J that intersect circumferential welds are examined per Code Case N-524.

Examination Category B-K-1 Integral Attachments for Piping, Pumps and Valves

Item Number	***Description***	***Total Examined During Outage***
	Piping	
B10.010	Integrally Welded Attachments	N/A
	Pumps	
B10.020	Integrally Welded Attachments	N/A
	Valves	
B10.030	Integrally Welded Attachments	N/A
TOTALS		N/A

Examination Category B-L-1, B-M-1 Pressure Retaining Welds in Pump Casings and Valve Bodies

B-L-2, B-M-2 Pump Casings and Valve Bodies

Item Number	*Description*	*Total Examined During Outage*
	Pumps	
B12.010	Pump Casing Welds (B-L-1)	N/A
B12.020	Pump Casing (B-L-2) (when disassembled for Maintenance Repair or Volumetric Examination)	0
	Valves	
B12.030	Valves, Nominal Pipe Size Less than 4" Valve Body Welds (B-M-1)	N/A
B12.040	Valves, Nominal Pipe Size 4" or Larger Valve Body Welds (B-M-1)	N/A
B12.050	Valve Body, Exceeding 4" Nominal Pipe Size (B-M-2)	0
TOTALS		0

Examination Category B-N-1 Interior of Reactor Vessel

B-N-2 Integrally Welded Core Support Structures and Interior Attachments to Reactor Vessels

B-N-3 Removable Core Support Structures

Item Number	*Description*	*Total Examined During Outage*
	Reactor Vessel	
B13.010	Vessel Interior (B-N-1)	1

Examination Category B-N-1, B-N-2, B-N-3 (Continued)

	Reactor Vessel (PWR)	
B13.050	Interior Attachments Within the Beltline Region (B-N-2)	N/A
B13.060	Interior Attachments Beyond Beltline Region (B-N-2)	0
B13.070	Core Support Structure (B-N-3)	0
TOTALS		1

Examination Category B-O Pressure Retaining Welds in Control Rod Housings

Item Number	*Description*	*Total Examined During Outage*
	Reactor Vessel	
B14.010	Welds in CRD Housing	1
TOTALS		1

Examination Category B-P All Pressure Retaining Components

REFERENCE SECTION 11.0 OF THIS REPORT

Examination Category B-Q Steam Generator Tubing

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.

Examination Category F-A Class 1 Component Supports

Item Number	*Description*	*Total Examined During Outage*
F01.010	Class 1 Piping Supports Reference Section 4.0 of this report	12
TOTALS		12

2.2 Class 2 Inspections

Examination Category C-A Pressure Retaining Welds in Pressure Vessels

Item Number	*Description*	*Total Examined During Outage*
C01.010	Shell Circumferential Welds	0
C01.020	Head Circumferential Welds	*2
C01.030	Tubesheet-to-Shell Weld	*3
TOTALS		*5

*Reference Request For Relief 98-002 and 98-003

Examination Category C-B Pressure Retaining Nozzle Welds in Vessels

Item Number	*Description*	*Total Examined During Outage*
C02.010	Nozzles in Vessels ≤ 1/2" Nominal Thickness	
C02.011	Nozzle-to-Shell (or Head) Weld	0
C02.020	Nozzles Without Reinforcing Plate in Vessels >1/2" Nominal Thickness	
C02.021	Nozzle-to-Shell (or Head) Weld	0
C02.022	Nozzle Inside Radius Section [4]	0

Examination Category C-B (Continued)

C02.030	Nozzles With Reinforcing Plate in Vessels >1/2" Nominal Thickness	
C02.031	Reinforcing Plate Welds to Nozzle and Vessel	0
C02.032	Nozzle-to-Shell (or Head) Welds when Inside of Vessel is Accessible	N/A
C02.033	Nozzle-to-Shell (or Head) Welds when Inside of Vessel is Inaccessible	0
TOTALS		0

[4] (Item # C02.022) Nozzle Inside Radius Section welds are examined as required by Table IWC-2500-1 Category C-B. However, for reporting purposes, the totals do not reflect the number of Nozzle Inside Radius Section welds examined during this outage. Nozzle Inside Radius Section welds are to be examined in conjunction with C02.021. examinations.

Examination Category C-C Integral Attachments for Vessels, Piping, Pumps, and Valves

Item Number	***Description***	***Total Examined During Outage***
	Pressure Vessels	
C03.010	Integral Welded Attachments	0
	Piping	
C03.020	Integrally Welded Attachments	*2
	Pumps	
C03.030	Integrally Welded Attachments	0
	Valves	
C03.040	Integrally Welded Attachments	N/A
TOTALS		*2

***These two supports are inaccessible due to guard pipe. This is acceptable per Code case N-491.**

Examination Category C-D Pressure Retaining Bolting Greater Than 2" in Diameter

Item Number	Description	Total Examined During Outage
	Pressure Vessels	
C04.010	Bolts and Studs	N/A
	Piping	
C04.020	Bolts and Studs	N/A
	Pumps	
C04.030	Bolts and Studs	N/A
	Valves	
C04.040	Bolts and Studs	N/A
TOTALS		N/A

Examination Category C-F-1 Pressure Retaining Welds in Austenitic Stainless Steel or High Alloy Piping

Item Number	Description	Total Examined During Outage
C05.010	Piping Welds ≥ 3/8" Nominal Wall Thickness for Piping > Nominal Pipe Size 4"	
C05.011	Circumferential Weld	21
C05.012	Longitudinal Weld[5]	See Code Case N-524

Examination Category C-F-1 (Continued)

C05.020	Piping Welds > 1/5" Nominal Wall Thickness for Piping ≥ Nominal Pipe Size 2" and ≤ Nominal Pipe Size 4"	
C05.021	Circumferential Weld	13
C05.022	Longitudinal Weld[5]	N/A
C05.030	Socket Welds	9
C05.040	Pipe Branch Connections of Branch Piping ≥ Nominal Pipe Size 2"	
C05.041	Circumferential Weld	0
C05.042	Longitudinal Weld[5]	N/A
TOTALS		43

Examination Category C-F-2 Pressure Retaining Welds in Carbon or Low Alloy Steel Piping

Item Number	***Description***	***Total Examined During Outage***
C05.050	Piping Welds ≥ 3/8" Nominal Wall Thickness for Piping > Nominal Pipe Size 4"	
C05.051	Circumferential Weld	11
C05.052	Longitudinal Weld[5]	See Code Case N-524

Examination Category C-F-2 (Continued)

C05.060	Piping Welds > 1/5" Nominal Wall Thickness for Piping ≥ Nominal Pipe Size 2" and ≤ Nominal Pipe Size 4"	
C05.061	Circumferential Weld	N/A
C05.062	Longitudinal Weld[5]	N/A
C05.070	Socket Welds	N/A
C05.080	Pipe Branch Connections of Branch Piping ≥ Nominal Pipe Size 2"	
C05.081	Circumferential Weld	N/A
C05.082	Longitudinal Weld[5]	N/A
TOTALS		11

[5]Longitudinal welds in Examination Categories C-F-1 and C-F-2 that intersect circumferential welds are examined per Code Case N-524.

Examination Category C-G Pressure Retaining Welds in Pumps and Valves

Item Number	*Description*	*Total Examined During Outage*
	Pumps	
C06.010	Pump Casing Welds	N/A
	Valves	
C06.020	Valve Body Welds	1
TOTALS		1

Examination Category C-H All Pressure Retaining Components

REFERENCE SECTION 11.0 OF THIS REPORT

Examination Category F-A Class 2 Component Supports

Item Number	Description	Total Examined During Outage
F01.020	Class 2 Piping Supports Reference Section 4.0 of this report	37
TOTALS		37

Examination Category F-A Supports Other than Piping Supports

Item Number	Description	Total Examined During Outage
F01.040	Supports other than Piping Supports Class 1, 2 & 3 Reference Section 4.0 of this Report	11
TOTALS		11

Examination Category Component Supports Snubbers Class 1, 2 & 3

Item Number	Description	Total Examined During Outage
F01.050	Component Supports Snubbers Class 1, 2 & 3	* N/A
TOTALS		

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

2.3 Augmented Inspection

Item Number	Description	Total Examined During Outage
G01.001	RCP Flywheel Exam	1
G03.001	Pipe Rupture Protection	0
TOTALS		1

3.0 Second Ten-Year Interval Inspection Status

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

Class 1 Inspections

Examination Category	Description	Inspections Required	Inspections Completed	Percentage Completed	[6]Deferral Allowed
B-A	Pressure Retaining Welds in Reactor Vessel	28	8	28.57%	Yes
B-B	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	25	69.44%	Partial
B-E	Pressure Retaining Partial Penetration Welds in Vessels	REFERENCE SECTION 11.0 OF THIS REPORT			
B-F	Pressure Retaining Dissimilar Metal Welds	38	29 1/3	77.18%	No
B-G-1	Pressure Retaining Bolting Greater than 2 " in Diameter	242	234	96.69%	No
B-G-2	Pressure Retaining Bolting 2" and Less in Diameter	31	30	96.77%	No

Class 1 Inspections (Continued)

Examination Category	*Description*	*Inspections Required*	*Inspections Completed*	*Percentage Completed*	*[6]Deferral Allowed*
B-H	Integral Attachment for Vessels	12	12	100%	No
B-J	Pressure Retaining Welds in Piping	212	180	84.90%	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	0	0%	Yes
B-N-3	Removable Core Support Structures	1	0	0%	Yes
B-0	Pressure Retaining Welds in Control Rod Housings	3	3	100%	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 11.0 OF THIS REPORT			
B-Q	Steam Generator Tubing	**See Note Below**			
F-A F01.010	Class 1 Component Supports (Code Case N-491)	67	56	83.58%	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

Class 2 Inspections

Examination Category	Description	Inspections Required	Inspections Completed	Percentage Completed	[6]Deferral Allowed
C-A	Pressure Retaining Welds in Pressure Vessels	23*	17	73.91%	No
C-B	Pressure Retaining Nozzle Welds in Vessels	18	11	61.11%	No
C-C	Integral Attachments for Vessels, Piping, Pumps and Valves	9	7#	77.77%	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	233	188	80.68%	No
C-F-2	Pressure Retaining Welds in Carbon or Low Alloy Steel Piping	48	41	85.41%	No
C-G	Pressure Retaining Welds in Pumps and Valves	6	6	100%	No
C-H	All Pressure Retaining Components	REFERENCE SECTION 11.0 OF THIS REPORT			
F-A F01.020	Class 2 Component Supports (Code Case N-491)	189	149	78.83%	No

* Reference Request for Relief 98-002 and 98-003

These two integral attachments are inaccessible due to guard pipe. This is acceptable per Code case N-491.

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	31	79.48%	No
F01.050	Component Supports, Snubbers Class 1, 2 & 3			*	No

[6]Deferral 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.)	100% of requirements for Outage 6/EOC 13
Pipe Rupture Protection (Item No. Series G03.)	62.50% through Outage 6/EOC 13

4.0 *Final Inservice Inspection Plan*

The final ISI Plan shown in this section lists all ASME Section XI Class 1 and ASME Section XI Class 2, and Augmented examinations credited for Outage 6 /EOC 13 at McGuire Nuclear Station Unit 1.

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
Iso / Dwg. Numbers	=	Location and/or Detail Drawings
Proc	=	Examination Procedures
Insp Req.	=	Examination Technique - Magnetic Particle, Dye Penetrant, etc.
Mat / Sch.	=	General Description of Material
Diam. / Thick	=	Diameter/Thickness
Cal Blocks	=	Calibration Block Number
Comments	=	General and/or Detail Description

DUKE ENERGY CORPORATION
QUALITY ASSURANCE TECHNICAL SERVICES
Inservice Inspection Database Management System

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

Pressurizer

McGuire 1

Inservice Inspection Plan for Interval 2 Outage 6

ITEM NUMBER	ID NUMBER	SYS ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
****** Shell-to-Head Welds; Longitudinal ******								
B02.012.001	1PZR-6	MCM 1201.01-170	NDE-620	UT	CS	91.500	50337	PRESSURIZER LOWER HEAD TO SHELL
	Longitudinal	MCM 1201.01-171	NDE-640			3.750	50236	LONGITUDUAL WELD
Class A								

Total B02.012 Items: 1

DUKE ENERGY CORPORATION
QUALITY ASSURANCE TECHNICAL SERVICES
Inservice Inspection Database Management System

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

[redacted] Steam Generators (Primary Side)

McGuire 1

Inservice Inspection Plan for Interval 2 Outage 6

ITEM NUMBER	ID NUMBER	SYS ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
****** Tubesheet-to-Head Weld ******								
B02.040.002	1SGB-W22	MCM 1201.01-0782	NDE-620	UT	CS	0.000	5131617	STEAM GENERATOR 1B
	Circumferential	MCM 1201.01-0791	NDE-640			6.438	50236	PRIMARY HEAD TO TUBE SHT. WELD
Class A				Channel Head to Tubesheet				

Total B02.040 Items:	**1**
Total B02 Items:	**2**

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

[redacted]Pressurizer

DUKE ENERGY CORPORATION
QUALITY ASSURANCE TECHNICAL SERVICES
Inservice Inspection Database Management System
McGuire 1
Inservice Inspection Plan for Interval 2 Outage 6

ITEM NUMBER	ID NUMBER	SYS ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
****** Nozzle-to-Vessel Welds ******								
B03.110.003	1PZR-13	MCM 1201.01-170	NDE-620	UT	CS	15.000	50338	PRESSURIZER SAFETY NOZZLE TO UPPER
	Circumferential	MCM 1201.01-171				1.900	50236	HEAD (W-Z AXIS)
Class A								

Total B03.110 Items: 1

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

[redacted] Pressurizer

DUKE ENERGY CORPORATION
QUALITY ASSURANCE TECHNICAL SERVICES
Inservice Inspection Database Management System
McGuire 1
Inservice Inspection Plan for Interval 2 Outage 6

ITEM NUMBER	ID NUMBER	SYS ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
****** Nozzle Inside Radius Section ******								
B03.120.003	1PZR-13R	MCM 1201.01-170	NDE-680	UT	CS	15.000	50338	PRESSURIZER SAFETY NOZZLE TO UPPER
	Circumferential	MCM 1201.01-171				1.900		HEAD INSIDE RADIUS (W-Z AXIS)
Class A								
B03.120.004	1PZR-14R	MCM 1201.01-170	NDE-680	UT	CS	15.000	50338	PRESSURIZER SAFETY NOZZLE TO UPPER
	Circumferential	MCM 1201.01-171				1.900		HEAD INSIDE RADIUS (W-X AXIS)
Class A								

Total B03.120 Items: 2

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

Steam Generators (Primary Side)

DUKE ENERGY CORPORATION
QUALITY ASSURANCE TECHNICAL SERVICES
Inservice Inspection Database Management System
McGuire 1
Inservice Inspection Plan for Interval 2 Outage 6

ITEM NUMBER	ID NUMBER	SYS	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
****** Nozzle Inside Radius Section ******									
B03.140.003	1SGB-INLET		MCM 1201.01-0782	NDE-680	UT	CS	0.000	5131617	STEAM GENERATOR 1B
	Circumferential						6.500		PRIMARY INLET NOZZLE RADIUSED SECTION
Class A									REFERENCE 1MNS-077
B03.140.004	1SGB-OUTLET		MCM 1201.01-0782	NDE-680	UT	CS	0.000	5131617	STEAM GENERATOR 1B
	Circumferential						6.500		PRIMARY OUTLET NOZZLE RADIUSED SECTION
Class A									REFERENCE 1MNS-077

Total B03.140 Items: 2

Total B03 Items: 5

CATEGORY B-F, Pressure Retaining Dissimilar Metal Welds

[redacted] Reactor Vessel

DUKE ENERGY CORPORATION
QUALITY ASSURANCE TECHNICAL SERVICES
Inservice Inspection Database Management System
McGuire 1
Inservice Inspection Plan for Interval 2 Outage 6

ITEM NUMBER	ID NUMBER	SYS ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
****** NPS 4 or larger; Nozzle-to-Safe End Butt Welds ******								
B05.010.001B	1RPV 3-445B-SE	MCM 1201.01-148	NDE-35	PT	SS-CS	27.500		RV INLET NOZZLE TO SAFE END
	Circumferential	MCM 1201.01-206				2.281		PC. 445-02 TO PC. 445-03 113 DEG.
Class A								TO BE DONE WITH B05.130.008B
	Dissimilar							
B05.010.002B	1RPV 3-445A-SE	MCM 1201.01-148	NDE-35	PT	SS-CS	27.500		RV INLET NOZZLE TO SAFE END
	Circumferential	MCM 1201.01-206				2.281		PC. 445-02 TO PC. 445-03 67 DEG.
Class A								TO BE DONE WITH B05.130.004B
	Dissimilar							
B05.010.003B	1RPV 3-445D-SE	MCM 1201.01-148	NDE-35	PT	SS-CS	27.500		RV INLET NOZZLE TO SAFE END
	Circumferential	MCM 1201.01-206				2.281		PC. 445-02 TO PC. 445-03 293 DEG.
Class A								TO BE DONE WITH B05.130.016B
	Dissimilar							
B05.010.004B	1RPV 3-445C-SE	MCM 1201.01-148	NDE-35	PT	SS-CS	27.500		RV INLET NOZZLE TO SAFE END
	Circumferential	MCM 1201.01-206				2.281		PC. 445-02 TO PC. 445-03 247 DEG.
Class A								TO BE DONE WITH B05.130.012B
	Dissimilar							

Total B05.010 Items: 4

CATEGORY B-F, Pressure Retaining Dissimilar Metal Welds

Pressurizer

DUKE ENERGY CORPORATION
QUALITY ASSURANCE TECHNICAL SERVICES
Inservice Inspection Database Management System
McGuire 1
Inservice Inspection Plan for Interval 2 Outage 6

ITEM NUMBER	ID NUMBER	SYS ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
****** NPS 4 or Larger; Nozzle-to-Safe End Butt Welds ******								
B05.040.005	1PZR-W4BSE	MCM 1201.01-170	NDE-610	UT	SS-CS	8.000	50250	PRESSURIZER SAFETY NOZZLE
	Circumferential	MCM 1201.01-171				1.200		SAFE END (Z-W AXIS)
Class A								CAL BLOCKS;50250 & 50466
	Dissimilar							(2 SIDED EXAM)
B05.040.005A	1PZR-W4BSE	MCM 1201.01-170	NDE-35	PT	SS-CS	8.000		PRESSURIZER SAFETY NOZZLE
	Circumferential	MCM 1201.01-171				1.200		SAFE END (Z-W AXIS)
Class A								
	Dissimilar							
B05.040.006	1PZR-W4CSE	MCM 1201.01-170	NDE-610	UT	SS-CS	8.000	50250	PRESSURIZER SAFETY NOZZLE
	Circumferential	MCM 1201.01-171				1.200		SAFE END (W-X AXIS)
Class A								CAL BLOCKS;50250 & 50466
	Dissimilar							(2 SIDED EXAM)
B05.040.006A	1PZR-W4CSE	MCM 1201.01-170	NDE-35	PT	SS-CS	8.000		PRESSUZIER SAFETY NOZZLE
	Circumferential	MCM 1201.01-171				1.200		SAFE END (W-X AXIS)
Class A								
	Dissimilar							

Total B05.040 Items: 4

CATEGORY B-F, Pressure Retaining Dissimilar Metal Welds

[redacted] Steam Generator

DUKE ENERGY CORPORATION
QUALITY ASSURANCE TECHNICAL SERVICES
Inservice Inspection Database Management System
McGuire 1
Inservice Inspection Plan for Interval 2 Outage 6

ITEM NUMBER	ID NUMBER	SYS ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
****** NPS 4 or Larger; Nozzle-to-Safe End Butt Welds ******								
B05.070.003	1SGB-INLET-W5SE	MC 1676-4	NDE-930	UT	SS-CS	31.000	5149697	SG1B INLET NOZZLE SAFE END
	Circumferential	MCM 1201.01-0708				2.500	5158172	TO BE DONE WITH B09.011.072
Class A	Term end	MCM 1201.01-0769		SG1B INLET to				REFERENCE 1MNS-078
	Dissimilar			SAFE END				
B05.070.003A	1SGB-INLET-W5SE	MC 1676-4	NDE-35	PT	SS-CS	31.000		SG1B INLET NOZZLE SAFE END
	Circumferential	MCM 1201.01-0708				2.500		TO BE DONE WITH B09.011.072A
Class A	Term end	MCM 1201.01-0769		SG1B INLET to				REFERENCE 1MNS-078
	Dissimilar			SAFE END				
B05.070.004	1SGB-OUTLET-W6SE	MC 1676-4	NDE-930	UT	SS-CS	31.000	5149697	SG1B OUTLET NOZZLE SAFE END
	Circumferential	MCM 1201.01.0708				2.500	5158172	TO BE DONE WITH B09.011.073
Class A	Term end	MCM 1201.01.0769		SG1B OUTLET to				REFERENCE 1MNS-078
	Dissimilar			SAFE END				
B05.070.004A	1SGB-OUTLET-W6SE	MC 1676-4	NDE-35	PT	SS-CS	31.000		SG1B OUTLET NOZZLE SAFE END
	Circumferential	MCM 1201.01-0708				2.500		TO BE DONE WITH B09.011.073A
Class A	Term end	MCM 1201.01-0769		SG1B OUTLET to				REFERENCE 1MNS-078
	Dissimilar			SAFE END				

Total B05.070 Items: 4

CATEGORY B-F, Pressure Retaining Dissimilar Metal Welds

Piping

DUKE ENERGY CORPORATION
QUALITY ASSURANCE TECHNICAL SERVICES
Inservice Inspection Database Management System
McGuire 1
Inservice Inspection Plan for Interval 2 Outage 6

ITEM NUMBER	ID NUMBER	SYS ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
****** NPS 4 or Larger; Dissimilar Metal Butt Welds ******								
B05.130.004B	1NC1F-1-8	MCM 1201.01-119/3	NDE-35	PT	SS-CS	27.500		TO BE DONE WITH B05.010.002B
	Circumferential	MC 1676-4				2.300		
	Dissimilar							
B05.130.008B	1NC1F-2-8	MCM 1201.01-119/6	NDE-35	PT	SS-CS	27.500		TO BE DONE WITH B05.010.001B
	Circumferential	MC 1676-4				2.300		
	Dissimilar							
B05.130.012B	1NC1F-3-8	MCM 1201.01-119/9	NDE-35	PT	SS-CS	27.500		TO BE DONE WITH B05.010.004B
	Circumferential	MC 1676-4				2.300		
	Dissimilar							
B05.130.016B	1NC1F-4-8	MCM 1201.01-119/12	NDE-35	PT	SS-CS	27.500		TO BE DONE WITH B05.010.003B
	Circumferential	MC 1676-4				2.300		
	Dissimilar							

Total B05.130 Items: 4

Total B05 Items: 16

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

[redacted] Reactor Vessel

DUKE ENERGY CORPORATION
QUALITY ASSURANCE TECHNICAL SERVICES
Inservice Inspection Database Management System
McGuire 1
Inservice Inspection Plan for Interval 2 Outage 6

ITEM NUMBER	ID NUMBER	SYS ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
**** Closure Head Nuts ****								
B06.010.012	1RPV-449-02-12	MCM 1201.01-204 MCM 1201.01-206	NDE-25	MT	CS	10.540 1.770	-----	CLOSURE HEAD NUT
B06.010.013	1RPV-449-02-13	MCM 1201.01-204 MCM 1201.01-206	NDE-25	MT	CS	10.540 1.770	-----	CLOSURE HEAD NUT
B06.010.014	1RPV-449-02-14	MCM 1201.01-204 MCM 1201.01-206	NDE-25	MT	CS	10.540 1.770	-----	CLOSURE HEAD NUT
B06.010.015	1RPV-449-02-15	MCM 1201.01-204 MCM 1201.01-206	NDE-25	MT	CS	10.540 1.770	-----	CLOSURE HEAD NUT
B06.010.037	1RPV-449-02-37	MCM 1201.01-204 MCM 1201.01-206	NDE-25	MT	CS	10.540 1.770	-----	CLOSURE HEAD NUT
B06.010.038	1RPV-449-02-38	MCM 1201.01-204 MCM 1201.01-206	NDE-25	MT	CS	10.540 1.770	-----	CLOSURE HEAD NUT
B06.010.039	1RPV-449-02-39	MCM 1201.01-204 MCM 1201.01-206	NDE-25	MT	CS	10.540 1.770	-----	CLOSURE HEAD NUT
B06.010.040	1RPV-449-02-40	MCM 1201.01-204 MCM 1201.01-206	NDE-25	MT	CS	10.540 1.770	-----	CLOSURE HEAD NUT

DUKE ENERGY CORPORATION
QUALITY ASSURANCE TECHNICAL SERVICES
Inservice Inspection Database Management System

McGuire 1

Inservice Inspection Plan for Interval 2 Outage 6

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

[redacted] Reactor Vessel

ITEM NUMBER	ID NUMBER	SYS ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
B06.010.041	1RPV-449-02-41	MCM 1201.01-204 MCM 1201.01-206	NDE-25	MT	CS	10.540 1.770	-----	CLOSURE HEAD NUT
B06.010.042	1RPV-449-02-42	MCM 1201.01-204 MCM 1201.01-206	NDE-25	MT	CS	10.540 1.770	-----	CLOSURE HEAD NUT
B06.010.043	1RPV-449-02-43	MCM 1201.01-204 MCM 1201.01-206	NDE-25	MT	CS	10.540 1.770	-----	CLOSURE HEAD NUT
B06.010.044	1RPV-449-02-44	MCM 1201.01-204 MCM 1201.01-206	NDE-25	MT	CS	10.540 1.770	-----	CLOSURE HEAD NUT
B06.010.045	1RPV-449-02-45	MCM 1201.01-204 MCM 1201.01-206	NDE-25	MT	CS	10.540 1.770	-----	CLOSURE HEAD NUT
B06.010.046	1RPV-449-02-46	MCM 1201.01-204 MCM 1201.01-206	NDE-25	MT	CS	10.540 1.770	-----	CLOSURE HEAD NUT
B06.010.047	1RPV-449-02-47	MCM 1201.01-204 MCM 1201.01-206	NDE-25	MT	CS	10.540 1.770	-----	CLOSURE HEAD NUT
B06.010.048	1RPV-449-02-48	MCM 1201.01-204 MCM 1201.01-206	NDE-25	MT	CS	10.540 1.770	-----	CLOSURE HEAD NUT
B06.010.049	1RPV-449-02-49	MCM 1201.01-204 MCM 1201.01-206	NDE-25	MT	CS	10.540 1.770	-----	CLOSURE HEAD NUT

DUKE ENERGY CORPORATION
QUALITY ASSURANCE TECHNICAL SERVICES
Inservice Inspection Database Management System

McGuire 1

Inservice Inspection Plan for Interval 2 Outage 6

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

[redacted] Reactor Vessel

ITEM NUMBER	ID NUMBER	SYS	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
B06.010.050	1RPV-449-02-50		MCM 1201.01-204 MCM 1201.01-206	NDE-25	MT	CS	10.540 1.770	-----	CLOSURE HEAD NUT
B06.010.051	1RPV-449-02-51		MCM 1201.01-204 MCM 1201.01-206	NDE-25	MT	CS	10.540 1.770	-----	CLOSURE HEAD NUT
B06.010.052	1RPV-449-02-52		MCM 1201.01-204 MCM 1201.01-206	NDE-25	MT	CS	10.540 1.770	-----	CLOSURE HEAD NUT
B06.010.053	1RPV-449-02-53		MCM 1201.01-204 MCM 1201.01-206	NDE-25	MT	CS	10.540 1.770	-----	CLOSURE HEAD NUT
B06.010.054	1RPV-449-02-54		MCM 1201.01-204 MCM 1201.01-206	NDE-25	MT	CS	10.540 1.770	-----	CLOSURE HEAD NUT

Total B06.010 Items: **22**

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

[redacted] Reactor Vessel

DUKE ENERGY CORPORATION
QUALITY ASSURANCE TECHNICAL SERVICES
Inservice Inspection Database Management System
McGuire 1
Inservice Inspection Plan for Interval 2 Outage 6

ITEM NUMBER	ID NUMBER	SYS ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
****** Closure Studs, when removed ******								
B06.030.012	1RPV-449-01-12	MCM 1201.01-204 MCM 1201.01-206	NDE-942	UT	CS	7.000 57.688	50501	CLOSURE STUD
Class A								
B06.030.012A	1RPV-449-01-12	MCM 1201.01-204 MCM 1201.01-206	NDE-25	MT	CS	7.000 57.688	-----	CLOSURE STUD
Class A								
B06.030.013	1RPV-449-01-13	MCM 1201.01-204 MCM 1201.01-206	NDE-942	UT	CS	7.000 57.688	50501	CLOSURE STUD
Class A								
B06.030.013A	1RPV-449-01-13	MCM 1201.01-204 MCM 1201.01-206	NDE-25	MT	CS	7.000 57.688	-----	CLOSURE STUD
Class A								
B06.030.014	1RPV-449-01-14	MCM 1201.01-204 MCM 1201.01-206	NDE-942	UT	CS	7.000 57.688	50501	CLOSURE STUD
Class A								
B06.030.014A	1RPV-449-01-14	MCM 1201.01-204 MCM 1201.01-206	NDE-25	MT	CS	7.000 57.688	-----	CLOSURE STUD
Class A								
B06.030.015	1RPV-449-01-15	MCM 1201.01-204 MCM 1201.01-206	NDE-942	UT	CS	7.000 57.688	50501	CLOSURE STUD
Class A								
B06.030.015A	1RPV-449-01-15	MCM 1201.01-204 MCM 1201.01-206	NDE -25	MT	CS	7.000 57.688	-----	CLOSURE STUD
Class A								

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

[redacted] Reactor Vessel

DUKE ENERGY CORPORATION
QUALITY ASSURANCE TECHNICAL SERVICES
Inservice Inspection Database Management System
McGuire 1
Inservice Inspection Plan for Interval 2 Outage 6

ITEM NUMBER	ID NUMBER	SYS ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
B06.030.037	1RPV-449-01-37	MCM 1201.01-204 MCM 1201.01-206	NDE-942	UT	CS	7.000 57.688	50501	CLOSURE STUD
Class A								
B06.030.037A	1RPV-449-01-37	MCM 1201.01-204 MCM 1201.01-206	NDE-25	MT	CS	7.000 57.688	-----	CLOSURE STUD
Class A								
B06.030.038	1RPV-449-01-38	MCM 1201.01-204 MCM 1201.01-206	NDE-942	UT	CS	7.000 57.688	50501	CLOSURE STUD
Class A								
B06.030.038A	1RPV-449-01-38	MCM 1201.01-204 MCM 1201.01-206	NDE-25	MT	CS	7.000 57.688	-----	CLOSURE STUD
Class A								
B06.030.039	1RPV-449-01-39	MCM 1201.01-204 MCM 1201.01-206	NDE-942	UT	CS	7.000 57.688	50501	CLOSURE STUD
Class A								
B06.030.039A	1RPV-449-01-39	MCM 1201.01-204 MCM 1201.01-206	NDE-25	MT	CS	7.000 57.688	-----	CLOSURE STUD
Class A								
B06.030.040	1RPV-449-01-40	MCM 1201.01-204 MCM 1201.01-206	NDE-942	UT	CS	7.000 57.688	50501	CLOSURE STUD
Class A								
B06.030.040A	1RPV-449-01-40	MCM 1201.01-204 MCM 1201.01-206	NDE-25	MT	CS	7.000 57.688	-----	CLOSURE STUD
Class A								
B06.030.041	1RPV-449-01-41	MCM 1201.01-204 MCM 1201.01-206	NDE-942	UT	CS	7.000 57.688	50501	CLOSURE STUD
Class A								

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

[redacted] Reactor Vessel

DUKE ENERGY CORPORATION
QUALITY ASSURANCE TECHNICAL SERVICES
Inservice Inspection Database Management System
McGuire 1
Inservice Inspection Plan for Interval 2 Outage 6

ITEM NUMBER	ID NUMBER	SYS	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
B06.030.041A	1RPV-449-01-41		MCM 1201.01-204 MCM 1201.01-206	NDE-25	MT	CS	7.000 57.688	-----	CLOSURE STUD
Class A									
B06.030.042	1RPV-449-01-42		MCM 1201.01-204 MCM 1201.01-206	NDE-942	UT	CS	7.000 57.688	50501	CLOSURE STUD
Class A									
B06.030.042A	1RPV-449-01-42		MCM 1201.01-204 MCM 1201.01-206	NDE-25	MT	CS	7.000 57.688	-----	CLOSURE STUD
Class A									
B06.030.043	1RPV-449-01-43		MCM 1201.01-204 MCM 1201.01-206	NDE-942	UT	CS	7.000 57.688	50501	CLOSURE STUD
Class A									
B06.030.043A	1RPV-449-01-43		MCM 1201.01-204 MCM 1201.01-206	NDE-25	MT	CS	7.000 57.688	-----	CLOSURE STUD
Class A									
B06.030.044	1RPV-449-01-44		MCM 1201.01-204 MCM 1201.01-206	NDE-942	UT	CS	7.000 57.688	50501	CLOSURE STUD
Class A									
B06.030.044A	1RPV-449-01-44		MCM 1201.01-204 MCM 1201.01-206	NDE-25	MT	CS	7.000 57.688	-----	CLOSURE STUD
Class A									
B06.030.045	1RPV-449-01-45		MCM 1201.01-204 MCM 1201.01-206	NDE-942	UT	CS	7.000 57.688	50501	CLOSURE STUD
Class A									
B06.030.045A	1RPV-449-01-45		MCM 1201.01-204 MCM 1201.01-206	NDE-25	MT	CS	7.000 57.688	-----	CLOSURE STUD
Class A									

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

[redacted] Reactor Vessel

DUKE ENERGY CORPORATION
QUALITY ASSURANCE TECHNICAL SERVICES
Inservice Inspection Database Management System
McGuire 1
Inservice Inspection Plan for Interval 2 Outage 6

ITEM NUMBER	ID NUMBER	SYS ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
B06.030.046	1RPV-449-01-46	MCM 1201.01-204 MCM 1201.01-206	NDE-942	UT	CS	7.000 57.688	50501	CLOSURE STUD
Class A								
B06.030.046A	1RPV-449-01-46	MCM 1201.01-204 MCM 1201.01-206	NDE-25	MT	CS	7.000 57.688	-----	CLOSURE STUD
Class A								
B06.030.047	1RPV-449-01-47	MCM 1201.01-204 MCM 1201.01-206	NDE-942	UT	CS	7.000 57.688	50501	CLOSURE STUD
Class A								
B06.030.047A	1RPV-449-01-47	MCM 1201.01-204 MCM 1201.01-206	NDE-25	MT	CS	7.000 57.688	-----	CLOSURE STUD
Class A								
B06.030.048	1RPV-449-01-48	MCM 1201.01-204 MCM 1201.01-206	NDE-942	UT	CS	7.000 57.688	50501	CLOSURE STUD
Class A								
B06.030.048A	1RPV-449-01-48	MCM 1201.01-204 MCM 1201.01-206	NDE-25	MT	CS	7.000 57.688	-----	CLOSURE STUD
Class A								
B06.030.049	1RPV-449-01-49	MCM 1201.01-204 MCM 1201.01-206	NDE-942	UT	CS	7.000 57.688	50501	CLOSURE STUD
Class A								
B06.030.049A	1RPV-449-01-49	MCM 1201.01-204 MCM 1201.01-206	NDE-25	MT	CS	7.000 57.688	-----	CLOSURE STUD
Class A								
B06.030.050	1RPV-449-01-50	MCM 1201.01-204 MCM 1201.01-206	NDE-942	UT	CS	7.000 57.688	50501	CLOSURE STUD
Class A								

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

Reactor Vessel

DUKE ENERGY CORPORATION
QUALITY ASSURANCE TECHNICAL SERVICES
Inservice Inspection Database Management System
McGuire 1
Inservice Inspection Plan for Interval 2 Outage 6

ITEM NUMBER	ID NUMBER	SYS	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
B06.030.050A	1RPV-449-01-50		MCM 1201.01-204 MCM 1201.01-206	NDE-25	MT	CS	7.000 57.688	-----	CLOSURE STUD
Class A									
B06.030.051	1RPV-449-01-51		MCM 1201.01-204 MCM 1201.01-206	NDE-942	UT	CS	7.000 57.688	50501	CLOSURE STUD
Class A									
B06.030.051A	1RPV-449-01-51		MCM 1201.01-204 MCM 1201.01-206	NDE-25	MT	CS	7.000 57.688	-----	CLOSURE STUD
Class A									
B06.030.052	1RPV-449-01-52		MCM 1201.01-204 MCM 1201.01-206	NDE-942	UT	CS	7.000 57.688	50501	CLOSURE STUD
Class A									
B06.030.052A	1RPV-449-01-52		MCM 1201.01-204 MCM 1201.01-206	NDE-25	MT	CS	7.000 57.688	-----	CLOSURE STUD
Class A									
B06.030.053	1RPV-449-01-53		MCM 1201.01-204 MCM 1201.01-206	NDE-942	UT	CS	7.000 57.688	50501	CLOSURE STUD
Class A									
B06.030.053A	1RPV-449-01-53		MCM 1201.01-204 MCM 1201.01-206	NDE-25	MT	CS	7.000 57.688	-----	CLOSURE STUD
Class A									
B06.030.054	1RPV-449-01-54		MCM 1201.01-204 MCM 1201.01-206	NDE-942	UT	CS	7.000 57.688	50501	CLOSURE STUD
Class A									
B06.030.054A	1RPV-449-01-54		MCM 1201.01-204 MCM 1201.01-206	NDE-25	MT	CS	7.000 57.688	-----	CLOSURE STUD
Class A									

DUKE ENERGY CORPORATION
QUALITY ASSURANCE TECHNICAL SERVICES
Inservice Inspection Database Management System

McGuire 1

Inservice Inspection Plan for Interval 2 Outage 6

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

[redacted] Reactor Vessel

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

Total B06.030 Items: 44

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

[redacted] Reactor Vessel

DUKE ENERGY CORPORATION
QUALITY ASSURANCE TECHNICAL SERVICES
Inservice Inspection Database Management System
McGuire 1
Inservice Inspection Plan for Interval 2 Outage 6

ITEM NUMBER	ID NUMBER	SYS ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
****** Closure Washers, Bushings ******								
B06.050.012	1RPV-449-03-12	MCM 1201.01-204 MCM 1201.01-206	QAL-13	VT-1	CS	10.560 1.719	-----	CLOSURE WASHER
Class A								
B06.050.013	1RPV-449-03-13	MCM 1201.01-204 MCM 1201.01-206	QAL-13	VT-1	CS	10.560 1.719	-----	CLOSURE WASHER
Class A								
B06.050.014	1RPV-449-03-14	MCM 1201.01-204 MCM 1201.01-206	QAL-13	VT-1	CS	10.560 1.719	-----	CLOSURE WASHER
Class A								
B06.050.015	1RPV-449-03-15	MCM 1201.01-204 MCM 1201.01-206	QAL-13	VT-1	CS	10.560 1.719	-----	CLOSURE WASHER
Class A								
B06.050.037	1RPV-449-03-37	MCM 1201.01-204 MCM 1201.01-206	QAL-13	VT-1	CS	10.560 1.719	-----	CLOSURE WASHER
Class A								
B06.050.038	1RPV-449-03-38	MCM 1201.01-204 MCM 1201.01-206	QAL-13	VT-1	CS	10.560 1.719	-----	CLOSURE WASHER
Class A								
B06.050.039	1RPV-449-03-39	MCM 1201.01-204 MCM 1201.01-206	QAL-13	VT-1	CS	10.560 1.719	-----	CLOSURE WASHER
Class A								
B06.050.040	1RPV-449-03-40	MCM 1201.01-204 MCM 1201.01-206	QAL-13	VT-1	CS	10.560 1.719	-----	CLOSURE WASHER
Class A								

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

[redacted] Reactor Vessel

DUKE ENERGY CORPORATION
QUALITY ASSURANCE TECHNICAL SERVICES
Inservice Inspection Database Management System
McGuire 1
Inservice Inspection Plan for Interval 2 Outage 6

ITEM NUMBER	ID NUMBER	SYS ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
B06.050.041	1RPV-449-03-41	MCM 1201.01-204 MCM 1201.01-206	QAL-13	VT-1	CS	10.560 1.719	-----	CLOSURE WASHER
Class A								
B06.050.042	1RPV-449-03-42	MCM 1201.01-204 MCM 1201.01-206	QAL-13	VT-1	CS	10.560 1.719	-----	CLOSURE WASHER
Class A								
B06.050.043	1RPV-449-03-43	MCM 1201.01-204 MCM 1201.01-206	QAL-13	VT-1	CS	10.560 1.719	-----	CLOSURE WASHER
Class A								
B06.050.044	1RPV-449-03-44	MCM 1201.01-204 MCM 1201.01-206	QAL-13	VT-1	CS	10.560 1.719	-----	CLOSURE WASHER
Class A								
B06.050.045	1RPV-449-03-45	MCM 1201.01-204 MCM 1201.01-206	QAL-13	VT-1	CS	10.560 1.719	-----	CLOSURE WASHER
Class A								
B06.050.046	1RPV-449-03-46	MCM 1201.01-204 MCM 1201.01-206	QAL-13	VT-1	CS	10.560 1.719	-----	CLOSURE WASHER
Class A								
B06.050.047	1RPV-449-03-47	MCM 1201.01-204 MCM 1201.01-206	QAL-13	VT-1	CS	10.560 1.719	-----	CLOSURE WASHER
Class A								
B06.050.048	1RPV-449-03-48	MCM 1201.01-204 MCM 1201.01-206	QAL-13	VT-1	CS	10.560 1.719	-----	CLOSURE WASHER
Class A								
B06.050.049	1RPV-449-03-49	MCM 1201.01-204 MCM 1201.01-206	QAL-13	VT-1	CS	10.560 1.719	-----	CLOSURE WASHER
Class A								

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

[redacted] Reactor Vessel

DUKE ENERGY CORPORATION
QUALITY ASSURANCE TECHNICAL SERVICES
Inservice Inspection Database Management System

McGuire 1

Inservice Inspection Plan for Interval 2 Outage 6

ITEM NUMBER	ID NUMBER	SYS ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
B06.050.050	1RPV-449-03-50	MCM 1201.01-204 MCM 1201.01-206	QAL-13	VT-1	CS	10.560 1.719	-----	CLOSURE WASHER
Class A								
B06.050.051	1RPV-449-03-51	MCM 1201.01-204 MCM 1201.01-206	QAL-13	VT-1	CS	10.560 1.719	-----	CLOSURE WASHER
Class A								
B06.050.052	1RPV-449-03-52	MCM 1201.01-204 MCM 1201.01-206	QAL-13	VT-1	CS	10.560 1.719	-----	CLOSURE WASHER
Class A								
B06.050.053	1RPV-449-03-53	MCM 1201.01-204 MCM 1201.01-206	QAL-13	VT-1	CS	10.560 1.719	-----	CLOSURE WASHER
Class A								
B06.050.054	1RPV-449-03-54	MCM 1201.01-204 MCM 1201.01-206	QAL-13	VT-1	CS	10.560 1.719	-----	CLOSURE WASHER
Class A								

Total B06.050 Items: 22

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

[redacted] Steam Generators

DUKE ENERGY CORPORATION
QUALITY ASSURANCE TECHNICAL SERVICES
Inservice Inspection Database Management System
McGuire 1
Inservice Inspection Plan for Interval 2 Outage 6

ITEM NUMBER	ID NUMBER	SYS ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
****** Bolts and Studs ******								
B06.090.001 Class A	1SGA-MW-X2-Y1	MCM 1201.01-0747 MCM 1201.01-0684	NDE-947	UT	CS	2.500 26.625	7C015	SG1A PRIMARY INLET MANWAY BOLTING 20 BOLTS X2-Y1 QUADRANT . REFERENCE 1MNS-079 S/G 1A MANWAY BOLTING WAS LISTED AS B07.030.001
B06.090.002 Class A	1SGA-MW-X2-Y2	MCM 1201.01-0747 MCM 1201.01-0684	NDE-947	UT	CS	2.500 26.625	7C015	SG1A PRIMARY OUTLET MANWAY BOLTING 20 BOLTS X2-Y2 QUADRANT . REFERENCE 1MNS-079 S/G 1A MANWAY BOLTING WAS LISTED AS B07.030.002
B06.090.007 Class A	1SGD-MW-X1-Y1	MCM 1201.01-0747 MCM 1201.01-0684	NDE-947	UT	CS	2.500 26.625	7C015	SG1D PRIMARY INLET MANWAY BOLTING 20 BOLTS X1-Y1 QUADRANT . REFERENCE 1MNS-079 S/G 1D MANWAY BOLTING WAS LISTED AS B07.030.007
B06.090.008 Class A	1SGD-MW-X1-Y2	MCM 1201.01-0747 MCM 1201.01-0684	NDE-947	UT	CS	2.500 26.625	7C015	SG1D PRIMARY OUTLET MANWAY BOLTING 20 BOLTS X1-Y2 QUADRANT . REFERENCE 1MNS-079 S/G 1D MANWAY BOLTING WAS LISTED AS B07.030.008

Total B06.090 Items: 4

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

[redacted] Steam Generators

DUKE ENERGY CORPORATION
QUALITY ASSURANCE TECHNICAL SERVICES
Inservice Inspection Database Management System
McGuire 1
Inservice Inspection Plan for Interval 2 Outage 6

ITEM NUMBER	ID NUMBER	SYS ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
****** Flange Surface, when connection dissassembled ******								
B06.100.001	1SGA-MW-X2-Y1	MCM 1201.01-0791	QAL-13	VT-1	CS	0.000 0.000		SG1A PRIMARY INLET MANWAY FLANGE SURFACE X2-Y1 QUADRANT
Class A								
B06.100.002	1SGA-MW-X2-Y2	MCM 1201.01-0791	QAL-13	VT-1	CS	0.000 0.000		SG1A PRIMARY OUTLET MANWAY FLANGE SURFACE X2-Y2 QUADRANT
Class A								
B06.100.003	1SGB-MW-X1-Y1	MCM 1201.01-0791	QAL-13	VT-1	CS	0.000 0.000		SG1B PRIMARY INLET MANWAY FLANGE SURFACE X1-Y1 QUADRANT
Class A								
B06.100.004	1SGB-MW-X1-Y2	MCM 1201.01-0791	QAL-13	VT-1	CS	0.000 0.000		SG1B PRIMARY OUTLET MANWAY FLANGE SURFACE X1-Y2 QUADRANT
Class A								
B06.100.005	1SGC-MW-X2-Y1	MCM 1201.01-0791	QAL-13	VT-1	CS	0.000 0.000		SG1C PRIMARY INLET MANWAY FLANGE SURFACE X2-Y1 QUADRANT
Class A								
B06.100.006	1SGC-MW-X2-Y2	MCM 1201.01-0791	QAL-13	VT-1	CS	0.000 0.000		SG1C PRIMARY OUTLET MANWAY FLANGE SURFACE X2-Y2 QUADRANT
Class A								
B06.100.007	1SGD-MW-X1-Y1	MCM 1201.01-0791	QAL-13	VT-1	CS	0.000 0.000		SG1D PRIMARY INLET MANWAY FLANGE SURFACE X1-Y1 QUADRANT
Class A								
B06.100.008	1SGD-MW-X1-Y2	MCM 1201.01-0791	QAL-13	VT-1	CS	0.000 0.000		SG1D PRIMARY OUTLET MANWAY FLANGE SURFACE X1-Y2 QUADRANT
Class A								

Total B06.100 Items: 8

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

[redacted] Steam Generators

DUKE ENERGY CORPORATION
QUALITY ASSURANCE TECHNICAL SERVICES
Inservice Inspection Database Management System
McGuire 1
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ITEM NUMBER	ID NUMBER	SYS ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
****** Nuts, Bushings, and Washers ******								
B06.110.001	1SGA-MW-X2-Y1	MCM 1201.01-0747 MCM 1201.01-0684	QAL-13	VT-1	CS	2.500 0.000		SG1A PRIMARY INLET MANWAY NUTS (20) X2-Y1 QUADRANT
Class A								
B06.110.002	1SGA-MW-X2-Y2	MCM 1201.01-0747 MCM 1201.01-0684	QAL-13	VT-1	CS	2.500 0.000		SG1A PRIMARY OUTLET MANWAY NUTS (20) X2-Y2 QUADRANT
Class A								
B06.110.007	1SGD-MW-X1-Y1	MCM 1201.01-0747 MCM 1201.01-0684	QAL-13	VT-1	CS	2.500 0.000		SG1D PRIMARY INLET MANWAY NUTS (20) X1-Y1 QUADRANT
Class A								
B06.110.008	1SGD-MW-X1-Y2	MCM 1201.01-0747 MCM 1201.01-0684	QAL-13	VT-1	CS	2.500 0.000		SG1D PRIMARY OUTLET MANWAY NUTS (20) X1-Y2 QUADRANT
Class A								

Total B06.110 Items: 4

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

Pumps

DUKE ENERGY CORPORATION
QUALITY ASSURANCE TECHNICAL SERVICES
Inservice Inspection Database Management System
McGuire 1
Inservice Inspection Plan for Interval 2 Outage 6

ITEM NUMBER	ID NUMBER	SYS ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
****** Nuts, Bushings, and Washers ******								
B06.200.001	1RCP-1D-F	MCM 1201.01-120	QAL-13	VT-1	CS	4.500 0.000		INSPECT 24 NUTS ON 1RCP-D

Total B06.200 Items:	**1**
Total B06 Items:	**105**

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

[redacted]Piping

DUKE ENERGY CORPORATION
QUALITY ASSURANCE TECHNICAL SERVICES
Inservice Inspection Database Management System
McGuire 1
Inservice Inspection Plan for Interval 2 Outage 6

ITEM NUMBER	ID NUMBER	SYS ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS	
****** Bolts, Studs, and Nuts ******									
B07.050.001	1NC-5-FL1	MCFI 1NC-5 MC 1553-3.0	QAL-13	VT-1	SS	0.000 10.000		FLANGE BOLTING (12) INSPECTED OUT.1	DIAMETER 1.375
B07.050.002	1NC-5-FL2	MCFI 1NC-5 MC 1553-3.0	QAL-13	VT-1	SS	0.000 10.000		FLANGE BOLTING (12) INSPECTED OUT.1	DIAMETER 1.375
B07.050.003	1NC-5-FL3	MCFI 1NC-5 MC 1553-3.0	QAL-13	VT-1	SS	0.000 10.000		FLANGE BOLTING (12)	DIAMETER 1.375
B07.050.200	1NV-25-FL2	MCFI 1NV-25 MC 1554-1.0	QAL-13	VT-1	SS	1.000 0.000	-----	FLANGE BOLTING (4)	
B07.050.201	1NV-125-FL1	MCFI 1NV-125 MC 1554-1.1	QAL-13	VT-1	SS	1.000 0.000	-----	FLANGE BOLTING (4)	
B07.050.202	1NV-137-FL1	MCFI 1NV-137 MC 1554-1.0	QAL-13	VT-1	SS	1.000 0.000	-----	FLANGE BOLTING (4)	
B07.050.203	1NV-143-FL2	MCFI 1NV-143 MC 1554-1.1	QAL-13	VT-1	SS	1.000 0.000	-----	FLANGE BOLTING (4)	

Total B07.050 Items: 7

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

[redacted]Valves

DUKE ENERGY CORPORATION
QUALITY ASSURANCE TECHNICAL SERVICES
Inservice Inspection Database Management System
McGuire 1
Inservice Inspection Plan for Interval 2 Outage 6

ITEM NUMBER	ID NUMBER	SYS ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
****** Bolts, Studs, and Nuts ******								
B07.070.001A Class A	1NC-1	MCM 1205.09-0001 MC-1553-2.0	QAL-13	VT-1	SS	1.000 0.000		6" VALVE, MCFI-1NC5 ITEM NUMBER WAS B07.070.001 BEFORE 1MNS-050 INSPECT ONLY ONE VALVE OF THIS TYPE PER INTERVAL INSPECTED OUT.2
B07.070.063B Class A	1NI-129	MCM 1205.00-0006 MC 1562-3.0	QAL-13	VT-1	SS	0.000 0.000		8" VALVE DIAMETER BOLTING 1.875 MCFI-1NI53 INSPECT ONLY ONE VALVE OF THIS TYPE PER INTERVAL
B07.070.101A Class A	1NV-14	MCM 1205.00-0004 MC 1554-2.0	QAL-13	VT-1	SS	1.000 0.000		3" VALVE, MCFI-1NV45 ITEM NUMBER WAS B07.070.102 BEFORE 1MNS-050 INSPECT ONLY ONE VALVE OF THIS TYPE PER INTERVAL INSPECTED OUT.2

Total B07.070 Items: 3

Total B07 Items: 10

DUKE ENERGY CORPORATION
QUALITY ASSURANCE TECHNICAL SERVICES
Inservice Inspection Database Management System

McGuire 1

Inservice Inspection Plan for Interval 2 Outage 6

CATEGORY B-H, Integral Attachments for Vessels

Pressurizer

ITEM NUMBER	ID NUMBER	SYS ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
****** Integrally Welded Attachments ******								
B08.020.006 Class A	1PZR-W14A	MCM-1201.01-170 EDSK-379350B	NDE-25	MT	CS	10.000 2.000	-----	PZR SUPPORT BRACKET TO SHELL Y-X QUADRANT
B08.020.007 Class A	1PZR-W14B	MCM-1201.01-170 EDSK-379350B	NDE-25	MT	CS	10.000 2.000	-----	PZR SUPPORT BRACKET TO SHELL Z-Y QUADRANT REVIEW DURING THE THIRD INTERVAL
B08.020.008 Class A	1PZR-W14C	MCM-1201.01-170 EDSK-379350B	NDE-25	MT	CS	10.000 2.000	-----	PZR SUPPORT BRACKET TO SHELL W-Z QUADRANT
B08.020.009 Class A	1PZR-W14D	MCM-1201.01-170 EDSK-379350B	NDE-25	MT	CS	10.000 2.000	-----	PZR SUPPORT BRACKET TO SHELL W-X QUADRANT REVIEW DURING THE THIRD INTERVAL

Total B08.020 Items: 4

Total B08 Items: 4

CATEGORY B-J, Pressure Retaining Welds In Piping

NPS 4 or Larger

DUKE ENERGY CORPORATION
QUALITY ASSURANCE TECHNICAL SERVICES
Inservice Inspection Database Management System
McGuire 1
Inservice Inspection Plan for Interval 2 Outage 6

ITEM NUMBER	ID NUMBER	SYS	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
****** Circumferential Welds ******									
B09.011.072 Class A	1NC1F-2-2 Circumferential	NC	MCM 1201.01-119/4 MC 1676-4 MC 1676-01.07	NDE-610	UT S/G 1B Inlet Safe-end to Elbow	SS	31.000 2.500	50214	UT FROM ELBOW SIDE TO BE DONE WITH B05.070.003 THIS WELD WAS LISTED AS A B05.130.006 PRIOR TO SGR REF. 1MNS-078
B09.011.072A Class A	1NC1F-2-2 Circumferential	NC	MCM 1201.01-119/4 MC 1676-4 MC 1676-01.07	NDE-35	PT S/G 1B Inlet Safe-end to Elbow	SS	31.000 2.500		UT FROM ELBOW SIDE TO BE DONE WITH B05.070.003A THIS WELD WAS LISTED AS A B05.130.006A PRIOR TO SGR REF. 1MNS-078
B09.011.073 Class A	1NC1F-2-3 Circumferential	NC	MCM 1201.01-119/5 MC 1676-4 MC 1676-01.07	NDE-610	UT S/G 1B Outlet Safe-end to Elbow	SS	31.000 2.500	50214	UT FROM ELBOW SIDE TO BE DONE WITH B05.070.004 THIS WELD WAS LISTED AS A B05.130.007 PRIOR TO SGR REF. 1MNS-078
B09.011.073A Class A	1NC1F-2-3 Circumferential	NC	MCM 1201.01-119/5 MC 1676-4 MC 1676-01.07	NDE-35	PT S/G 1B Outlet Safe-end to Elbow	SS	31.000 2.500		TO BE DONE WITH B05.070.004A THIS WELD WAS LISTED AS A B05.130.007A PRIOR TO SGR REF. 1MNS-078
B09.011.210 Class A	1NI1F-294 Circumferential	NI	MCFI-1NI-77 MC-1562-2.0	NDE-600	UT Valve to Elbow	SS 160	6.000 0.719	50211	
B09.011.210A Class A	1NI1F-294 Circumferential	NI	MCFI-1NI-77 MC-1562-2.0	NDE-35	PT Valve to Elbow	SS 160	6.000 0.719		
B09.011.211 Class A	1NI1F-295 Circumferential	NI	MCFI-1NI-77 MC-1562-2.0	NDE-600	UT Elbow to Pipe	SS 160	6.000 0.719	50211	
B09.011.211A Class A	1NI1F-295 Circumferential	NI	MCFI-1NI-77 MC-1562-2.0	NDE-35	PT Elbow to Pipe	SS 160	6.000 0.719		

DUKE ENERGY CORPORATION
QUALITY ASSURANCE TECHNICAL SERVICES
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McGuire 1

Inservice Inspection Plan for Interval 2 Outage 6

CATEGORY B-J, Pressure Retaining Welds In Piping

NPS 4 or Larger

ITEM NUMBER	ID NUMBER	SYS	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
B09.011.218	1NI-458-1	NI	MCFI-1NI-79	NDE-600	UT	SS	10.000	50209	
	Circumferential		MC-1562-2.0			140	1.000		
Class A					Elbow to Pipe				
B09.011.218A	1NI-458-1	NI	MCFI-1NI-79	NDE-35	PT	SS	10.000		
	Circumferential		MC-1562-2.0			140	1.000		
Class A					Elbow to Pipe				
B09.011.220	1NI1F-275	NI	MCFI-1NI-84	NDE-600	UT	SS	6.000	50211	
	Circumferential		MC-1562-3.1			160	0.719		
Class A					Elbow to Pipe				
B09.011.220A	1NI1F-275	NI	MCFI-1NI-84	NDE-35	PT	SS	6.000		
	Circumferential		MC-1562-3.1			160	0.719		
Class A					Elbow to Pipe				
B09.011.225	1NI-178-2	NI	MCFI-1NI-85	NDE-600	UT	SS	6.000	50211	
	Circumferential		MC-1562-3.1			160	0.719		
Class A					Elbow to Pipe				
B09.011.225A	1NI-178-2	NI	MCFI-1NI-85	NDE-35	PT	SS	6.000		
	Circumferential		MC-1562-3.1			160	0.719		
Class A					Elbow to Pipe				
B09.011.229	1NI1F-657	NI	MCFI-1NI-86	NDE-600	UT	SS	10.000	50209	
	Circumferential		MC-1562-2.1			140	1.000		
Class A					Valve to Tee				
B09.011.229A	1NI1F-657	NI	MCFI-1NI-86	NDE-35	PT	SS	10.000		
	Circumferential		MC-1562-2.1			140	1.000		
Class A					Valve to Tee				
B09.011.230	1NI1F-656	NI	MCFI-1NI-86	NDE-600	UT	SS	10.000	50209	
	Circumferential		MC1562-2.1			140	1.000		
Class A					Tee to Valve				

CATEGORY B-J, Pressure Retaining Welds In Piping

[redacted]NPS 4 or Larger

DUKE ENERGY CORPORATION
QUALITY ASSURANCE TECHNICAL SERVICES
Inservice Inspection Database Management System
McGuire 1
Inservice Inspection Plan for Interval 2 Outage 6

ITEM NUMBER	ID NUMBER	SYS	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
B09.011.230A	1NI1F-656	NI	MCFI-1NI-86	NDE-35	PT	SS	10.000		
	Circumferential		MC-1562-2.1			140	1.000		
Class A					Tee to Valve				
B09.011.231	1NI-469-6	NI	MCFI-1NI-86	NDE-600	UT	SS	6.000	50211	
	Circumferential		MC-1562-2.1			160	0.719		
Class A					Pipe to Elbow				
B09.011.231A	1NI-469-6	NI	MCFI-1NI-86	NDE-35	PT	SS	6.000		
	Circumferential		MC-1562-2.1			160	0.719		
Class A					Pipe to Elbow				
B09.011.232	1NI-469-7	NI	MCFI-1NI-86	NDE-600	UT	SS	6.000	50211	
	Circumferential		MC-1562-2.1			160	0.719		
Class A					Elbow to Pipe				
B09.011.232A	1NI-469-7	NI	MCFI-1NI-86	NDE-35	PT	SS	6.000		
	Circumferential		MC-1562-2.1			160	0.719		
Class A					Elbow to Pipe				
B09.011.233	1NI-469-8	NI	MCFI-1NI-86	NDE-600	UT	SS	6.000	50211	
	Circumferential		MC-1562-2.1			160	0.719		
Class A					Pipe to Pipe				
B09.011.233A	1NI-469-8	NI	MCFI-1NI-86	NDE-35	PT	SS	6.000		
	Circumferential		MC-1562-2.1			160	0.719		
Class A					Pipe to Pipe				
B09.011.234	1NI-469-9	NI	MCFI-1NI-86	NDE-600	UT	SS	6.000	50211	
	Circumferential		MC-1562-2.1			160	0.719		
Class A					Pipe to Pipe				
B09.011.234A	1NI-469-9	NI	MCFI-1NI-86	NDE-35	PT	SS	6.000		
	Circumferential		MC-1562-2.1			160	0.719		
Class A					Pipe to Pipe				

CATEGORY B-J, Pressure Retaining Welds In Piping

NPS 4 or Larger

DUKE ENERGY CORPORATION
QUALITY ASSURANCE TECHNICAL SERVICES
Inservice Inspection Database Management System
McGuire 1
Inservice Inspection Plan for Interval 2 Outage 6

ITEM NUMBER	ID NUMBER	SYS	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
B09.011.235	1NI1F-649	NI	MCFI-1NI-87	NDE-600	UT	SS	10.000	50209	
	Circumferential		MC-1562-2.1			140	1.000		
Class A					Valve to Tee				
B09.011.235A	1NI1F-649	NI	MCFI-1NI-87	NDE-35	PT	SS	10.000		
	Circumferential		MC-1562-2.1			140	1.000		
Class A					Valve to Tee				
B09.011.236	1NI1F-648	NI	MCFI-1NI-87	NDE-600	UT	SS	10.000	50209	
	Circumferential		MC-1562-2.1			140	1.000		
Class A					Tee to Valve				
B09.011.236A	1NI1F-648	NI	MCFI-1NI-87	NDE-35	PT	SS	10.000		
	Circumferential		MC-1562-2.1			140	1.000		
Class A					Tee to Valve				
B09.011.237	1NI-465-5	NI	MCFI-1NI-87	NDE-600	UT	SS	6.000	50211	
	Circumferential		MC-1562-2.1			160	0.719		
Class A					Pipe to Elbow				
B09.011.237A	1NI-465-5	NI	MCFI-1NI-87	NDE-35	PT	SS	6.000		
	Circumferential		MC-1562-2.1			160	0.719		
Class A					Pipe to Elbow				
B09.011.238	1NI-465-6	NI	MCFI-1NI-87	NDE-600	UT	SS	6.000	50211	
	Circumferential		MC-1562-2.1			160	0.719		
Class A					Elbow to Pipe				
B09.011.238A	1NI-465-6	NI	MCFI-1NI-87	NDE-35	PT	SS	6.000		
	Circumferential		MC-1562-2.1			160	0.719		
Class A					Elbow to Pipe				
B09.011.239	1NI-465-4	NI	MCFI-1NI-87	NDE-600	UT	SS	6.000	50211	
	Circumferential		MC-1562-2.1			160	0.719		
Class A					Pipe to Pipe				

CATEGORY B-J, Pressure Retaining Welds In Piping

NPS 4 or Larger

DUKE ENERGY CORPORATION
QUALITY ASSURANCE TECHNICAL SERVICES
Inservice Inspection Database Management System

McGuire 1

Inservice Inspection Plan for Interval 2 Outage 6

ITEM NUMBER	ID NUMBER	SYS	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
B09.011.239A	1NI-465-4	NI	MCFI-1NI-87	NDE-35	PT	SS	6.000		
	Circumferential		MC-1562-2.1			160	0.719		
Class A					Pipe to Pipe				

Total B09.011 Items: 36

CATEGORY B-J, Pressure Retaining Welds In Piping

Less Than NPS 4

DUKE ENERGY CORPORATION
QUALITY ASSURANCE TECHNICAL SERVICES
Inservice Inspection Database Management System
McGuire 1
Inservice Inspection Plan for Interval 2 Outage 6

ITEM NUMBER	ID NUMBER	SYS	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
****** Circumferential Welds ******									
B09.021.010 Class A	1NCP-336-2 Circumferential Stress weld	NC	MCFI-1NC-34 MC-1553-1.0	NDE-35	PT Pipe to Elbow	SS 160	3.000 0.438		STRESS WELD SELECTION CRITERIA 4.2.1
B09.021.011 Class A	1NCP-336-1 Circumferential Stress weld	NC	MCFI-1NC-34 MC-1553-1.0	NDE-35	PT Elbow to Pipe	SS 160	3.000 0.438		STRESS WELD SELECTION CRITERIA 4.2.1
B09.021.012 Class A	1NCP-337-1 Circumferential Stress weld	NC	MCFI-1NC-34 MC-1553-1.0	NDE-35	PT Pipe to Pipe	SS 160	3.000 0.438		STRESS WELD SELECTION CRITERIA 4.2.1
B09.021.019 Class A	1NC1F-1493 Circumferential Stress weld	NC	MCFI-1NC-34 MC-1553-1.0 MC-1676-4.1	NDE-35	PT Pipe to SWEEPOLET	SS 160	1.500 0.281	-----	STRESS WELD SELECTION CRITERIA 4.2.1 REF. 1MNS-092 (CHANGED FROM SOCKET WELD TO BUTT WELD)
B09.021.021 Class A	1NC1F-1615 Circumferential Stress weld	NC	MCFI-1NC-44 MC-1553-1.0 MC-1676-4.1	NDE-35	PT Pipe to SWEEPOLET	SS 160	1.500 0.281		STRESS WELD SELECTION CRITERIS 4.2.1 REF. 1MNS-092 (CHANGED FROM SOCKET WELD TO BUTT WELD)
B09.021.201 Class A	1NV1F-1539 Circumferential Stress weld	NV	MCFI-1NV-45 MC-1554-1.2	NDE-35	PT Pipe to Valve	SS 160	3.000 0.438		STRESS WELD SELECTION CRITERIA 4.2.1

Total B09.021 Items: 6

DUKE ENERGY CORPORATION
QUALITY ASSURANCE TECHNICAL SERVICES
Inservice Inspection Database Management System

McGuire 1

Inservice Inspection Plan for Interval 2 Outage 6

CATEGORY B-J, Pressure Retaining Welds In Piping

Branch Pipe Connection Welds

ITEM NUMBER	ID NUMBER	SYS	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
****** Less Than NPS 4 ******									
B09.032.100	1NI-354-2	NI	MCFI 1NI-53	NDE-35	PT	SS	2.000		
	Branch		MC 1562-3.0				0.344		
Class A						Pipe to WELD BOSS			

Total B09.032 Items: 1

CATEGORY B-J, Pressure Retaining Welds In Piping

Socket Welds

DUKE ENERGY CORPORATION
QUALITY ASSURANCE TECHNICAL SERVICES
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McGuire 1
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ITEM NUMBER	ID NUMBER	SYS	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
B09.040.019	1NC1F-1941	NC	MCFI-1NC-51	NDE-35	PT	SS	1.500		
	Socket		MC-1553-1.0			160	0.281		
Class A						SWEEPOLET to Pipe			
B09.040.200	1NV1F-500	NV	MCFI-1NV-12	NDE-35	PT	SS	2.000		
	Socket		MC-1554-1.2			160	0.344		
Class A						Elbow to Pipe			
B09.040.201	1NV1F-883	NV	MCFI-1NV-25	NDE-35	PT	SS	2.000		
	Socket		MC-1554-1.0			160	0.344		
Class A						Valve to Pipe			
B09.040.202	1NV1F-881	NV	MCFI-1NV-25	NDE-35	PT	SS	2.000		
	Socket		MC-1554-1.0			160	0.344		
Class A						Tee to Pipe			
B09.040.203	1NV1F-880	NV	MCFI-1NV-25	NDE-35	PT	SS	2.000		
	Socket		MC-1554-1.0			160	0.344		
Class A						Tee to Reducing Insert			
B09.040.204	1NV1F-5411	NV	MCFI-1NV-25	NDE-35	PT	SS	2.000		
	Socket		MC-1554-1.0			160	0.344		
Class A						Full Coupling to Pipe			
B09.040.205	1NV1F-887	NV	MCFI-1NV-25	NDE-35	PT	SS	2.000		
	Socket		MC-1554-1.0			160	0.344		
Class A						Pipe to Valve			
B09.040.208	1NV1F-1555	NV	MCFI-1NV-45	NDE-35	PT	SS	2.000		
	Socket		MC-1554-1.2			160	0.344		
Class A						Pipe to Elbow			

DUKE ENERGY CORPORATION
QUALITY ASSURANCE TECHNICAL SERVICES
Inservice Inspection Database Management System

McGuire 1

Inservice Inspection Plan for Interval 2 Outage 6

CATEGORY B-J, Pressure Retaining Welds In Piping

[redacted] Socket Welds

ITEM NUMBER	ID NUMBER	SYS	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
B09.040.210	1NV1F-4892	NV	MCFI-1NV-125	NDE-35	PT	SS	2.000		
	Socket		MC-1554-1.2			160	0.344		
Class A					Valve to Pipe				
B09.040.212	1NV1F-4885	NV	MCFI-1NV-125	NDE-35	PT	SS	2.000		
	Socket		MC-1554-1.2			160	0.344		
Class A					Pipe to Elbow				
B09.040.213	1NV1F-4880	NV	MCFI-1NV-125	NDE-35	PT	SS	2.000		
	Socket		MC-1554-1.2			160	0.344		
Class A					Elbow to Pipe				
B09.040.214	1NV1F-4877	NV	MCFI-1NV-125	NDE-35	PT	SS	2.000		
	Socket		MC-1554-1.2			160	0.344		
Class A					Pipe to Valve				

Total B09.040 Items: 12

Total B09 Items: 55

CATEGORY B-N-1, Interior of Reactor Vessel

DUKE ENERGY CORPORATION
QUALITY ASSURANCE TECHNICAL SERVICES
Inservice Inspection Database Management System

McGuire 1

Inservice Inspection Plan for Interval 2 Outage 6

Reactor Vessel

ITEM NUMBER	ID NUMBER	SYS ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
****** Vessel Interior ******								
B13.010.001	1RPV-INTERIOR	MCM 1201.01-146 MCM 1201.01-223	QAL-14	VT-3	SS	0.000 0.000	-----	AREA ABOVE AND BELOW CORE MADE ACCESSIBLE DURING REF. REF PIP:1M94-1467, RFR94-10 SEE DESIGN EVAL. MC 1201.01
Class A								

Total B13.010 Items: 1

Total B13 Items: 1

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

[redacted] Reactor Vessel

DUKE ENERGY CORPORATION
QUALITY ASSURANCE TECHNICAL SERVICES
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McGuire 1
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ITEM NUMBER	ID NUMBER	SYS ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
****** Welds in CRD Housing ******								
B14.010.013	1RPV-CRDM-67	MCM 1201.01-224	NDE-35	PT	SS-Inconel	4.000 0.642	-----	CRD HOUSING WELD (PERIPHERAL)
Class A								

Total B14.010 Items:	1
Total B14 Items:	1

DUKE ENERGY CORPORATION
QUALITY ASSURANCE TECHNICAL SERVICES
Inservice Inspection Database Management System

McGuire 1

Inservice Inspection Plan for Interval 2 Outage 6

CATEGORY C-A, Pressure Retaining Welds In Pressure Vessels

[redacted] Head Circumferential Welds

ITEM NUMBER	ID NUMBER	SYS ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
C01.020.072 Class B	5141-2-HD1 Circumferential	MCM 1201.06-54	NDE-630	UT	SS	10.920 1.075	50428	REGENERATIVE HEAT EXCHANGER NOZZLE BELT TO HEAD (SHELL 2) TO BE DONE FROM SHELL SIDE
C01.020.073 Class B	5141-2-HD2 Circumferential	MCM 1201.06-54	NDE-630	UT	SS	10.920 1.075	50428	REGENERATIVE HEAT EXCHANGER SHELL TO HEAD (SHELL 2) TO BE DONE FROM SHELL SIDE

Total C01.020 Items: 2

CATEGORY C-A, Pressure Retaining Welds In Pressure Vessels

Tubesheet-to-Shell Weld

DUKE ENERGY CORPORATION
QUALITY ASSURANCE TECHNICAL SERVICES
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ITEM NUMBER	ID NUMBER	SYS ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
C01.030.010	1BCSHX-SH-48	MCM 1201.06-25	NDE-630	UT	CS	55.250	50422	CONTAINMENT SPRAY HEAT EXCHANGER
	Circumferential					0.625		1B SHELL TO TUBESHEET
Class B								CS+1/16 MIN. CLADDING
C01.030.022	5141-2-NB-TS	MCM 1201.06-54	NDE-630	UT	SS	10.920	50428	REGENERATIVE HEAT EXCHANGER NOZZLE
	Circumferential					1.075		BELT TO TUBESHEET(SHELL 2)
Class B								
C01.030.023	5141-2-TS-SH	MCM 1201.06-54	NDE-630	UT	SS	10.920	50428	REGENERATIVE HEAT EXCHANGER
	Circumferential					1.075		TUBESHEET TO SHELL (SHELL 2)
Class B								

Total C01.030 Items: 3

Total C01 Items: 5

CATEGORY C3, Integral Attachments For Vessels, Piping, Pumps, And Valves

DUKE ENERGY CORPORATION
QUALITY ASSURANCE / TECHNICAL SERVICES
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[redacted] Piping

ITEM NUMBER	ID NUMBER	SYS ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
****** Integrally Welded Attachments ******								
C03.020.033 Class B	1MCR-SM-082	MC-SM-1B MCSRD-SMA/4	NDE-25	MT	CS	0.000 0.906		Per station personell this attachment is under guard pipe making it inaccessible. Per Code Case N-491 this attachment can be exempted
C03.020.034 Class B	1MCR-SM-095	MC-SM-1D MCSRD-SMA/3	NDE-25	MT	CS	0.000 0.906		Per station personell this attachment is under guard pipe making it inaccessible. Per Code Case N-491 this attachment can be exempted

Total C03.020 Items: 2

Total C03 Items: 2

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

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

DUKE ENERGY CORPORATION
QUALITY ASSURANCE TECHNICAL SERVICES
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ITEM NUMBER	ID NUMBER	SYS	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
****** Circumferential Weld ******									
C05.011.051	1ND1F138	ND	MCFI-1ND33	NDE-600	UT	SS	14.000	50432	TERMINAL END RHRHX-1B TO R
	Circumferential		MC 1561-1.0			30	0.375		
Class B	Term end				RHR HX-1B to Reducer				
C05.011.051A	1ND1F138	ND	MCFI-1ND33	NDE-35	PT	SS	14.000		
	Circumferential		MC 1561-1.0			30	0.375		
Class B					RHR HX-1B to Reducer				
C05.011.052	1ND1F113	ND	MCFI-1ND33	NDE-600	UT	SS	8.000	50210	
	Circumferential		MC 1561-1.0			160	0.906		
Class B					Pipe to Valve				
C05.011.052A	1ND1F113	ND	MCFI-1ND33	NDE-35	PT	SS	8.000		
	Circumferential		MC 1561-1.0			160	0.906		
Class B					Pipe to Valve				
C05.011.053	1ND1F133	ND	MCFI-1ND34	NDE-600	UT	SS	14.000	50432	TERMINAL END R TO RHRHX-1A
	Circumferential		MC 1561-1.0				0.375		
Class B	Term end				Reducer to RHR HX-1A				
C05.011.053A	1ND1F133	ND	MCFI-1ND34	NDE-35	PT	SS	14.000		TERMINAL END TO RHRHX-1A
	Circumferential		MC 1561-1.0			30	0.375		
Class B	Term end				Reducer to RHR HX-1A				
C05.011.102	1NI1F-472	NI	MCFI-1NI53	NDE-600	UT	SS	14.000	50213	
	Circumferential		MC-1562-3.0			140	1.250		
Class B					Pipe to Elbow				
C05.011.102A	1NI1F-472	NI	MCFI-1NI53	NDE-35	PT	SS	14.000		
	Circumferential		MC-1562-3.0			140	1.250		
Class B					Pipe to Elbow				

CATEGORY B-J-1, Pressure Retaining Welds In Austenitic SS or High Alloy Piping

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

DUKE ENERGY CORPORATION
QUALITY ASSURANCE / TECHNICAL SERVICES
Inservice Inspection Database Management System
McGuire 1
Inservice Inspection Plan for Interval 2 Outage 6

ITEM NUMBER	ID NUMBER	SYS	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
C05.011.103	1NI350-1	NI	MCFI-1NI53	NDE-600	UT	SS	14.000	50213	
	Circumferential		MC-1562-3.0			140	1.250		
Class B					Elbow to Reducer				
C05.011.103A	1NI350-1	NI	MCFI-1NI53	NDE-35	PT	SS	14.000		
	Circumferential		MC-1562-3.0			140	1.250		
Class B					Elbow to Reducer				
C05.011.104	1NI350-2	NI	MCFI-1NI53	NDE-600	UT	SS	12.000	50434	
	Circumferential		MC-1562-3.0			140	1.250		
Class B					Reducer to Pipe				
C05.011.104A	1NI350-2	NI	MCFI-1NI53	NDE-35	PT	SS	12.000		
	Circumferential		MC-1562-3.0			140	1.250		
Class B					Reducer to Pipe				
C05.011.105	1NI350-3	NI	MCFI-1NI53	NDE-600	UT	SS	12.000	50434	
	Circumferential		MC-1562-3.0			140	1.250		
Class B					Pipe to Tee				
C05.011.105A	1NI350-3	NI	MCFI-1NI53	NDE-35	PT	SS	12.000		
	Circumferential		MC 1562-3.0			140	1.250		
Class B					Pipe to Tee				
C05.011.106	1NI1F-473	NI	MCFI-1NI53	NDE-600	UT	SS	12.000	50434	
	Circumferential		MC 1562-3.0			140	1.250		
Class B					Tee to Reducer				
C05.011.106A	1NI1F-473	NI	MCFI-1NI53	NDE-35	PT	SS	12.000		
	Circumferential		MC 1562-3.0			140	1.250		
Class B					Tee to Reducer				
C05.011.107	1NI355-1	NI	MCFI-1NI53	NDE-600	UT	SS	8.000	50210	
	Circumferential		MC 1562-3.0			160	0.906		
Class B					Reducer to Elbow				

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

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

DUKE ENERGY CORPORATION
QUALITY ASSURANCE TECHNICAL SERVICES
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Inservice Inspection Plan for Interval 2 Outage 6

ITEM NUMBER	ID NUMBER	SYS	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
C05.011.107A	1NI355-1	NI	MCFI-1NI53	NDE-35	PT	SS	8.000		
	Circumferential		MC 1562-3.0			160	0.906		
Class B					Reducer to Elbow				
C05.011.108	1NI1F-474	NI	MCFI-1NI53	NDE-600	UT	SS	8.000	50210	
	Circumferential		MC 1562-3.0			160	0.906		
Class B					Elbow to Valve				
C05.011.108A	1NI1F-474	NI	MCFI-1NI53	NDE-35	PT	SS	8.000		
	Circumferential		MC 1562-3.0			160	0.906		
Class B					Elbow to Valve				
C05.011.112	1NI118-2	NI	MCFI-1NI60	NDE-600	UT	SS	8.000	50210	
	Circumferential		MC 1562-3.1			160	0.906		
Class B					Pipe to Elbow				
C05.011.112A	1NI118-2	NI	MCFI-1NI60	NDE-35	PT	SS	8.000		
	Circumferential		MC 1562-3.1			160	0.906		
Class B					Pipe to Elbow				
C05.011.116	1NI201-7	NI	MCFI-1NI77	NDE-600	UT	SS	6.000	50211	
	Circumferential		MC 1562-2.0			160	0.719		
Class B					Elbow to Pipe				
C05.011.116A	1NI201-7	NI	MCFI-1NI77	NDE-35	PT	SS	6.000		
	Circumferential		MC 1562-2.0			160	0.719		
Class B					Elbow to Pipe				
C05.011.128	1NI198-2	NI	MCFI-1NI78	NDE-600	UT	SS	6.000	50211	
	Circumferential		MC 1562-2.0			160	0.719		
Class B					Pipe to Elbow				
C05.011.128A	1NI198-2	NI	MCFI-1NI78	NDE-35	PT	SS	6.000		
	Circumferential		MC 1562-2.0			160	0.719		
Class B					Pipe to Elbow				

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

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

DUKE ENERGY CORPORATION
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ITEM NUMBER	ID NUMBER	SYS	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
C05.011.142	1NI176-1	NI	MCFI-1NI85	NDE-600	UT	SS	6.000	50211	
	Circumferential		MC 1562-3.1			160	0.719		
Class B					Pipe to Elbow				
C05.011.142A	1NI176-1	NI	MCFI-1NI85	NDE-35	PT	SS	6.000		
	Circumferential		MC 1562-3.1			160	0.719		
Class B					Pipe to Elbow				
C05.011.143	1NI176-2	NI	MCFI-1NI85	NDE-600	UT	SS	6.000	50211	
	Circumferential		MC-1562-3.1			160	0.719		
Class B					Elbow to Pipe				
C05.011.143A	1NI176-2	NI	MCFI-1NI85	NDE-35	PT	SS	6.000		
	Circumferential		MC-1562-3.1			160	0.719		
Class B					Elbow to Pipe				
C05.011.145	1NI177-4	NI	MCFI-1NI85	NDE-600	UT	SS	6.000	50211	
	Circumferential		MC-1562-3.1			160	0.719		
Class B					Elbow to Pipe				
C05.011.145A	1NI177-4	NI	MCFI-1NI85	NDE-35	PT	SS	6.000		
	Circumferential		MC-1562-3.1			160	0.719		
Class B					Elbow to Pipe				
C05.011.151	1NI1F473A	NI	MCFI-1NI53	NDE-600	UT	SS	8.000		
	Circumferential						0.906		
Class B					Tee to Pipe				
C05.011.151A	1NI1F473A	NI	MCFI-1NI53	NDE-35	PT	SS	8.000		
	Circumferential						0.906		
Class B					Tee to Pipe				
C05.011.153	1NI351-1	NI	MCFI-1NI53	NDE-600	UT	SS	8.000		
	Circumferential						0.906		
Class B					Pipe to Elbow				

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

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

DUKE ENERGY CORPORATION
QUALITY ASSURANCE TECHNICAL SERVICES
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McGuire 1
Inservice Inspection Plan for Interval 2 Outage 6

ITEM NUMBER	ID NUMBER	SYS	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
C05.011.153A	1NI351-1	NI	MCFI-1NI53	NDE-35	PT	SS	8.000		
	Circumferential						0.906		
Class B					Pipe to Elbow				
C05.011.154	1NI201-2	NI	MCFI-1NI77	NDE-600	UT	SS	6.000		
	Circumferential						0.719		
Class B					Elbow to Pipe				
C05.011.154A	1NI201-2	NI	MCFI-1NI77	NDE-35	PT	SS	6.000		
	Circumferential						0.719		
Class B					Elbow to Pipe				
C05.011.155	1NI201-3	NI	MCFI-1NI77	NDE-600	UT	SS	6.000		
	Circumferential						0.719		
Class B					Pipe to Elbow				
C05.011.155A	1NI201-3	NI	MCFI-1NI77	NDE-35	PT	SS	6.000		
	Circumferential						0.719		
Class B					Pipe to Elbow				
C05.011.220	1SGB-W261	CA	MCFD 1592-01.00	NDE-610	UT	CS-Inconel	7.513	5142282	Steam Generator 1B Auxiliary Feedwater Nozzle to Transition Ring
	Circumferential		MCM 1201.01-0853				1.165		
Class B	Term end		MCM 1201.01-0782		Nozzle 1SGB to Transition Ring				Transition Ring added as result of SGRP
C05.011.220A	1SGB-W261	CA	MCFD 1592-01.00	NDE-35	PT	CS-Inconel	7.513		Steam Generator 1B Auxiliary Feedwater Nozzle to Transition Ring
	Circumferential		MCM 1201.01-0853				1.165		
Class B	Term end		MCM 1201.01-0782		Nozzle 1SGB to Transition Ring				Transition Ring added as result of SGRP

Total C05.011 Items: 42

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

Piping Welds > 1/5 in. Nom Wall For Piping >= NPS 2 And <= NPS 4

DUKE ENERG ORPORATION
QUALITY ASSURANCE ECHNICAL SERVICES
Inservice Inspection Database Management System
McGuire 1
Inservice Inspection Plan for Interval 2 Outage 6

ITEM NUMBER	ID NUMBER	SYS	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
****** Circumferential Weld ******									
C05.021.070	1NV1F-7876	NV	MCFI-1NV-13	NDE-600	UT	SS	4.000	50438	
	Circumferential		MC-1554-3.1				0.237		
Class B					Pipe to Elbow				
C05.021.070A	1NV1F-7876	NV	MCFI-1NV-13	NDE-35	PT	SS	4.000		
	Circumferential		MC-1554-3.1				0.237		
Class B					Pipe to Elbow				
C05.021.071	1NV29-1	NV	MCFI-1NV-13	NDE-600	UT	SS	4.000	50275	
	Circumferential		MC-1554-3.1			160	0.531		
Class B					Pipe to Elbow				
C05.021.071A	1NV29-1	NV	MCFI-1NV-13	NDE-35	PT	SS	4.000		
	Circumferential		MC-1554-3.1			160	0.531		
Class B					Elbow to Pipe				
C05.021.072	1NV1F-7889	NV	MCFI-1NV-13	NDE-600	UT	SS	4.000	50275	
	Circumferential		MC-1554-3.1			160	0.531		
Class B					Tee to Valve				
C05.021.072A	1NV1F-7889	NV	MCFI-1NV-13	NDE-35	PT	SS	4.000		
	Circumferential		MC-1554-3.1			160	0.531		
Class B					Tee to Valve				
C05.021.073	1NV1F-612	NV	MCFI-1NV-16	NDE-600	UT	SS	2.000	50439	
	Circumferential		MC-1554-1.2			160	0.344		
Class B					Reducer to Pipe				
C05.021.073A	1NV1F-612	NV	MCFI-1NV-16	NDE-35	PT	SS	2.000		
	Circumferential		MC-1554-1.2			160	0.344		
Class B					Reducer to Pipe				

DUKE ENERGY CORPORATION
QUALITY ASSURANCE TECHNICAL SERVICES
Inservice Inspection Database Management System

McGuire 1

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

Piping Welds > 1/5 in. Nom Wall For Piping >= NPS 2 And <= NPS 4

Inservice Inspection Plan for Interval 2 Outage 6

ITEM NUMBER	ID NUMBER	SYS	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
C05.021.074	1NVP95-2	NV	MCFI-1NV24	NDE-600	UT		3.000	50225	
	Circumferential		MCFD 1554-03.01				0.438		
Class B					Pipe to Reducer				
C05.021.074A	1NVP95-2	NV	MCFI-1NV24	NDE-35	PT		3.000		
	Circumferential		MCFD 1554-03.01				0.438		
Class B					Pipe to Reducer				
C05.021.075	1NV1F-1892	NV	MCFI-1NV-35	NDE-600	UT	SS	4.000	50275	
	Circumferential		MC-1554-1.1			160	0.531		
Class B					Pipe to Reducer				
C05.021.075A	1NV1F-1892	NV	MCFI-1NV-35	NDE-35	PT	SS	4.000		
	Circumferential		MC-1554-1.1			160	0.531		
Class B					Reducer to Pipe				
C05.021.076	1NV1F-5289	NV	MCFI-1NV-63	NDE-600	UT	SS	3.000	50225	
	Circumferential		MC-1554-1.1				0.438		
Class B					Elbow to Elbow				
C05.021.076A	1NV1F-5289	NV	MCFI-1NV-63	NDE-35	PT	SS	3.000		
	Circumferential		MC-1554-1.1				0.438		
Class B					Elbow to Elbow				
C05.021.077	1NVP859-2	NV	MCFI-1NV-63	NDE-600	UT	SS	3.000	50225	
	Circumferential		MC-1554-1.1			160	0.438		
Class B					Tee to Elbow				
C05.021.077A	1NVP859-2	NV	MCFI-1NV-63	NDE-35	PT	SS	3.000		
	Circumferential		MC-1554-1.1			160	0.438		
Class B					Tee to Elbow				
C05.021.078	1NV1F-2112	NV	MCFI-1NV-63	NDE-600	UT	SS	2.000	50439	
	Circumferential		MC-1554-1.1			160	0.344		
Class B					Reducer to Pipe				

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

Piping Welds > 1/5 in. Nom Wall For Piping >= NPS 2 And <= NPS 4

DUKE ENERGY CORPORATION
QUALITY ASSURANCE TECHNICAL SERVICES
Inservice Inspection Database Management System
McGuire 1
Inservice Inspection Plan for Interval 2 Outage 6

ITEM NUMBER	ID NUMBER	SYS	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
C05.021.078A	1NV1F-2112	NV	MCFI-1NV-63	NDE-35	PT	SS	2.000		
	Circumferential		MC-1554-1.1			160	0.344		
Class B					Reducer to Pipe				
C05.021.079	1NV1F-2179	NV	MCFI-1NV-65	NDE-600	UT	SS	3.000	50225	
	Circumferential		MC-1554-3.0			160	0.438		
Class B					Pipe to Elbow				
C05.021.079A	1NV1F-2179	NV	MCFI-1NV-65	NDE-35	PT	SS	3.000		
	Circumferential		MC-1554-3.0			160	0.438		
Class B					Pipe to Elbow				
C05.021.080	1RCPSS-IN-1	NV	MCFI-1NV-144	NDE-600	UT	SS	4.000	50438	TERMINAL END
	Circumferential		MC-1554-3.0			40	0.237		
Class B	Term end				Flange to Pipe				
C05.021.080A	1RCPSS-IN-1	NV	MCFI-1NV-144	NDE-35	PT	SS	4.000		TERMINAL END
	Circumferential		MC-1554-3.0			40	0.237		
Class B	Term end				Flange to Pipe				
C05.021.081	1RCPSS-OUT-1	NV	MCFI-1NV-144	NDE-600	UT	SS	4.000	50438	TERMINAL END
	Circumferential		MC-1554-3.0				0.237		
Class B	Term end				Pipe to Flange				
C05.021.081A	1RCPSS-OUT-1	NV	MCFI-1NV-144	NDE-35	PT	SS	4.000		TERMINAL END
	Circumferential		MC-1554-3.0			40	0.237		
Class B	Term end				Pipe to Flange				
C05.021.082	1NV1F-7900	NV	MCFI-1NV-144	NDE-600	UT	SS	4.000	50438	
	Circumferential		MC-1554-3.0			40	0.237		
Class B					Pipe to Elbow				
C05.021.082A	1NV1F-7900	NV	MCFI-1NV-144	NDE-35	PT	SS	4.000		
	Circumferential		MC-1554-3.0			40	0.237		
Class B					Pipe to Elbow				

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

Piping Welds > 1/5 in. Nom Wall For Piping >= NPS 2 And <= NPS 4

DUKE ENERGY CORPORATION
QUALITY ASSURANCE TECHNICAL SERVICES
Inservice Inspection Database Management System
McGuire 1
Inservice Inspection Plan for Interval 2 Outage 6

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

Total C05.021 Items: 26

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

Socket Welds

DUKE ENERGY CORPORATION
QUALITY ASSURANCE TECHNICAL SERVICES
Inservice Inspection Database Management System
McGuire 1
Inservice Inspection Plan for Interval 2 Outage 6

ITEM NUMBER	ID NUMBER	SYS	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
C05.030.001	1NI1F-1899	NI	MCFI-1NI22 MC-1562-3.0	NDE-35	PT	SS 160	2.000 0.344		
Class B									Half Coupling to Pipe
C05.030.002	1NI1F-488	NI	MCFI-1NI33 MC-1562-3.0	NDE-35	PT	SS 160	2.000 0.344		
Class B									Reducing Insert to Pipe
C05.030.003	1NI1F-1204	NI	MCFI-1NI33 MC-1562-3.0	NDE-35	PT	SS 160	2.000 0.344		
Class B									Elbow to Reducing Insert
C05.030.004	1NI357-12	NI	MCFI-1NI37 MC-1562-3.0	NDE-35	PT	SS 160	2.000 0.344		
Class B									Full Coupling to Reducer
C05.030.005	1NI1F-1499	NI	MCFI-1NI41 MC-1562-3.0	NDE-35	PT	SS 160	2.000 0.344		
Class B									Pipe to Full Coupling
C05.030.085	1NV1F-2218	NV	MCFI-1NV-173 MC-1554-3.0	NDE-35	PT	SS 160	2.000 0.344		
Class B									Pipe to Valve
C05.030.086	1NV1FW181-8	NV	MCFI-1NV-181 MC-1554-3.0	NDE-35	PT	SS 160	2.000 0.344		
Class B									Pipe to Elbow
C05.030.087	1NV1FW183-34	NV	MCFI-1NV-183 MC-1554-3.0	NDE-35	PT	SS 160	2.000 0.344		
Class B									Valve to Pipe

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

DUKE ENERGY CORPORATION
QUALITY ASSURANCE TECHNICAL SERVICES
Inservice Inspection Database Management System

McGuire 1

Inservice Inspection Plan for Interval 2 Outage 6

[redacted] **Socket Welds**

ITEM NUMBER	ID NUMBER	SYS	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
C05.030.088	1NV1FW183-36	NV	MCFI-1NV-183	NDE-35	PT	SS	2.000		
			MC-1554-3.0			160	0.344		
Class B						Pipe to PIPE CAP			

Total C05.030 Items: 9

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

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

DUKE ENERGY CORPORATION
QUALITY ASSURANCE / TECHNICAL SERVICES
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Inservice Inspection Plan for Interval 2 Outage 6

ITEM NUMBER	ID NUMBER	SYS	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
****** Circumferential Weld ******									
C05.051.016 Class B	1CA1FW19-2 Circumferential	CA	MCFI-1CA19 MCFD-1592-01.00	NDE-600	UT Pipe to Elbow	CS 160	6.000 0.719	*	* Reference General Requirements Section 8.1.10
C05.051.016A Class B	1CA1FW19-2 Circumferential	CA	MCFI-1CA19 MCFD-1592-01.00	NDE-25	MT Pipe to Elbow	CS 160	6.000 0.719		
C05.051.057 Class B	1CF1F-665 Circumferential	CF	MCFI-1CF-8 MC 1591-1.1	NDE-600	UT Elbow to Valve	CS 80	6.000 0.432	50331	
C05.051.057A Class B	1CF1F-665 Circumferential	CF	MCFI-1CF-8 MC 1591-1.1	NDE-25	MT Elbow to Valve	CS 80	6.000 0.432		
C05.051.064 Class B	1SGB-W260 Circumferential Term end	CF	MCM 1201.01-0853 MCM 1201.01-0782	NDE-600	UT Nozzle 1SGB to Transition Ring	CS	16.896 1.300	*	Steam Generator 1B Feedwater Nozzle to Transition Ring Transition Ring added as a result of SGRP * Reference General Requirements Section 8.1.10
C05.051.064A Class B	1SGB-W260 Circumferential Term end	CF	MCM 1201.01-0853 MCM 1201.01-0782	NDE-25	MT Nozzle 1SGB to Transition Ring	CS	16.896 1.300		Steam Generator 1B Feedwater Nozzle to Transition Ring Transition Ring added as a result of SGRP
C05.051.065 Class B	1CF1FW25-28 Circumferential	CF	MCFI-1CF25 MCFD1591-01.01	NDE-600	UT Transition Ring to Elbow	CS 80	16.000 0.844	*	Steam Generator 1B Feedwater Nozzle Transition Ring to Elbow * Reference General Requirements Section 8.1.10
C05.051.065A Class B	1CF1FW25-28 Circumferential	CF	MCFI-1CF25 MCFD1591-01.01	NDE-25	MT Transition Ring to Elbow	CS 80	16.000 0.844		Steam Generator 1B Feedwater Nozzle Transition Ring to Elbow

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

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

DUKE ENERGY CORPORATION
QUALITY ASSURANCE TECHNICAL SERVICES
Inservice Inspection Database Management System

McGuire 1

Inservice Inspection Plan for Interval 2 Outage 6

ITEM NUMBER	ID NUMBER	SYS	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
C05.051.202	1SM1F-423	SM	MCFI-1SM14	NDE-600	UT	CS	6.000	50331	
	Circumferential		MC 1593-1.0			80	0.432		
Class B					Elbow to Pipe				
C05.051.202A	1SM1F-423	SM	MCFI-1SM14	NDE-25	MT	CS	6.000		
	Circumferential		MC 1593-1.0			80	0.432		
Class B					Elbow to Pipe				
C05.051.205	1SM-5B-C	SM	MCFI-1SM10	NDE-600	UT	CS	6.000	*	*Reference General Requirements Section 8.1.10
	Circumferential		MC 1593-1.0				0.719		
					Transition Piece to Pipe				
C05.051.205A	1SM-5B-C	SM	MCFI-1SM10	NDE-25	MT	CS	6.000		
	Circumferential		MC 1593-1.0				0.719		
					Transition Piece to Pipe				
C05.051.207	1SM5A-D	SM	MCFI-1SM9	NDE-600	UT	CS	10.000	50249	
	Circumferential		MC 1593-1.0				1.500		
C05.051.207A	1SM5A-D	SM	MCFI-1SM9	NDE-25	MT	CS	10.000		
	Circumferential		MC 1593-1.0				1.500		
C05.051.209	1SM1F-3C	SM	MCFI-1SM6	NDE-600	UT	CS	34.000	50444	34" MIN. W 1.250 NOM. W 1.375
	Circumferential		MC 1593-1.3				1.250		
Class B									
C05.051.209A	1SM1F-3C	SM	MCFI-1SM6	NDE-25	MT	CS	34.000		
	Circumferential		MC 1593-1.3				1.250		
Class B									
C05.051.210	1SM1F-1B	SM	MCFI-1SM24	NDE-12	RT	CS	32.000		
	Circumferential		MC 1593-1.0				1.375		32" MIN. W 1.375 NOM. W 1.500
Class B					Transition Ring to Elbow				TO BE DONE WITH C05.051.218

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

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

DUKE ENERGY CORPORATION
QUALITY ASSURANCE TECHNICAL SERVICES
Inservice Inspection Database Management System
McGuire 1
Inservice Inspection Plan for Interval 2 Outage 6

ITEM NUMBER	ID NUMBER	SYS	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
C05.051.210A	1SM1F-1B	SM	MCFI-1SM24	NDE-25	MT	CS	32.000		TO BE DONE WITH C05.051.218A
	Circumferential		MC 1593-1.0				1.375		
Class B					Transition Ring to Elbow				
C05.051.218	1SGB-W138	SM		NDE-600	UT	CS	32.625	*	Steam Generator 1B Main Steam Nozzle to Transition Ring Transition Ring added as a result of SGRP
	Circumferential		MCM 1201.01-0853				1.500		* Reference General Requirements Section 8.1.10
Class B	Term end		MCFD 1593-01.00		Nozzle 1SGB to Transition Ring				TO BE DONE WITH C05.051.210
C05.051.218A	1SGB-W138	SM		NDE-25	MT	CS	32.625		Steam Generator 1B Main Steam Nozzle to Transition Ring Transition Ring added as a result of SGRP
	Circumferential		MCM 1201.01-0853				1.500		TO BE DONE WITH C05.051.210A
Class B	Term end		MCFD 1593-01.00		Nozzle 1SGB to Transition Ring				
C05.051.252	1SV1F-138	SV	MCFI 1SV-3	NDE-600	UT	CS	6.000	50331	
	Circumferential		MC 1593-1.0			80	0.432		
Class B					Pipe to Elbow				
C05.051.252A	1SV1F-138	SV	MCFI 1SV-3	NDE-25	MT	CS	6.000		
	Circumferential		MC 1593-1.0			80	0.432		
Class B					Pipe to Elbow				

Total C05.051 Items: 22

Total C05 Items: 99

CATEGORY C-G, Pressure Retaining Welds In Pumps And Valves

[redacted] Valves

DUKE ENERG[illegible]ORPORATION
QUALITY ASSURANCE TECHNICAL SERVICES
Inservice Inspection Database Management System

McGuire 1

Inservice Inspection Plan for Interval 2 Outage 6

ITEM NUMBER	ID NUMBER	SYS ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
****** Valve Body Welds ******								
C06.020.008E Class B	1SV-13-1	MCM 1205.09-011/1 MCFI-1SV3	NDE-35	PT	CS	6.000 1.000		INTAKE TO VALVE BODY WELD
C06.020.008F	1SV-13-2	MCM 1205.09-011/1 MCFI-1SV3	NDE-35	PT	CS	6.000 1.000		VALVE BODY TO BONNET WELD

Total C06.020 Items: 2

Total C06 Items: 2

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

[redacted] Integral Attachment

DUKE ENERGY CORPORATION
QUALITY ASSURANCE TECHNICAL SERVICES
Inservice Inspection Database Management System
McGuire 1
Inservice Inspection Plan for Interval 2 Outage 6

ITEM NUMBER	ID NUMBER	SYS	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
**** Component Supports and Restraints ****									
D02.020.003	1-MCA-CA-279	CA	MCSRD CAA	QAL-14	VT-3	CS	4.000	-----	INTEGRAL ATTACHMENT
	Rigid Support						0.000		
Class C									
D02.020.004	1-MCA-CA-280	CA	MCSRD CAA	QAL-14	VT-3	CS	4.000	-----	INTEGRAL ATTACHMENT
	Rigid Support						0.000		
Class C									
D02.020.029	1-MCA-CA-452	CA	MCSRD-CAO	QAL-14	VT-3	NA	4.000		INTEGRAL ATTACHMENT
	Rigid Support						0.000		
Class C									
D02.020.030	1-MCA-CA-5	CA	MCSRD-CAF	QAL-14	VT-3	NA	4.000		INTEGRAL ATTACHMENT
	Rigid Support						0.000		
Class C									
D02.020.031	1-MCA-CA-6	CA	MCSRD-CAF	QAL-14	VT-3	NA	4.000		INTEGRAL ATTACHMENT
	Rigid Support						0.000		
Class C									
D02.020.037	1-MCA-CA-63	CA	MCSRD-CAC	QAL-14	VT-3	NA	4.000		INTEGRAL ATTACHMENT
	Rigid Restraint						0.000		
Class C									
D02.020.038	1-MCA-CA-223	CA	MCSRD-CAD	QAL-14	VT-3	NA	4.000		INTEGRAL ATTACHMENT
	Rigid Support						0.000		
Class C									
D02.020.039	1-MCA-CA-68	CA	MCSRD-CAD	QAL-14	VT-3	NA	4.000		INTEGRAL ATTACHMENT
	Rigid Support						0.000		
Class C									

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

[redacted] Integral Attachment

DUKE ENERGY CORPORATION
QUALITY ASSURANCE TECHNICAL SERVICES
Inservice Inspection Database Management System

McGuire 1

Inservice Inspection Plan for Interval 2 Outage 6

ITEM NUMBER	ID NUMBER	SYS	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
D02.020.041	1-MCA-CA-308	CA	MCSRD-CAF	QAL-14	VT-3	NA	4.000		INTEGRAL ATTACHMENT
	Rigid Support						0.000		
Class C									
D02.020.042	1-MCA-CA-318	CA	MCSRD-CAF	QAL-14	VT-3	NA	4.000		INTEGRAL ATTACHMENT
	Rigid Support						0.000		
Class C									
D02.020.043	1-MCA-CA-180	CA	MCSRD-CAO	QAL-14	VT-3	NA	4.000		INTEGRAL ATTACHMENT
	Rigid Support						0.000		
Class C									
D02.020.044	1-MCA-CA-216	CA	MCSRD-CAP	QAL-14	VT-3	NA	4.000		INTEGRAL ATTACHMENT
	Rigid Support						0.000		
Class C									
D02.020.045	1-MCA-CA-227	CA	MCSRD-CAP	QAL-14	VT-3	NA	4.000		INTEGRAL ATTACHMENT
	Rigid Restraint						0.000		
Class C									
D02.020.046	1-MCA-KC-H452	KC	MCSRD-KC-304SHT1	QAL-14	VT-3	NA	0.000		INTEGRAL ATTACHMENT
	Rigid Support		MCFD 1573-01.01				0.500		
Class C									

Total D02.020 Items: 14

Total D02 Items: 14

CATEGORY F-A, Supports (Category A)

DUKE ENERGY CORPORATION
QUALITY ASSURANCE & TECHNICAL SERVICES
Inservice Inspection Database Management System

McGuire 1

Inservice Inspection Plan for Interval 2 Outage 6

Class 1 Piping Supports

ITEM NUMBER	ID NUMBER	SYS	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
F01.010.014C	1-MCR-NC-572	NC	MCSRD WL-002	QAL-14	VT-3	NA	2.000 0.000		
	Spring Hgr								
Class A									
F01.010.015C	1-MCR-NC-574	NC	MCSRD WL-002	QAL-14	VT-3	NA	2.000 0.000		
	Hyd Snubber								
Class A									
F01.010.019C	1-MCR-NC-762	NC	MCSRD NC-002	QAL-14	VT-3	NA	6.000 0.000		
	Mech Snubber								
Class A									
F01.010.020C	1-MCR-NC-766	NC	MCSRD NC-002	QAL-14	VT-3	NA	3.000 0.000		
	Mech Snubber								
Class A									
F01.010.021C	1-MCR-NC-767	NC	MCSRD NC-002	QAL-14	VT-3	NA	3.000 0.000		
	Mech Snubber								
Class A									
F01.010.055C	1-MCR-ND-511	ND	MCSRD ND-001	QAL-14	VT-3	NA	14.000 0.000		
	Mech Snubber								
Class A									
F01.010.114C	1-MCR-NI-589	NI	MCSRD NI-003 sht. 2	QAL-14	VT-3	NA	10.000 0.000		
	Hyd Snubber								
Class A									
F01.010.117C	1-MCR-NI-616	NI	MCSRD NI-001 sht. 4	QAL-14	VT-3	NA	10.000 0.000		
	Spring Hgr								
Class A									

CATEGORY F-A, Supports (Category A)

DUKE ENERGY CORPORATION
QUALITY ASSURANCE TECHNICAL SERVICES
Inservice Inspection Database Management System

McGuire 1

Inservice Inspection Plan for Interval 2 Outage 6

Class 1 Piping Supports

ITEM NUMBER	ID NUMBER	SYS	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
F01.010.118C	1-MCR-NI-617	NI	MCSRD NI-001 sht. 4	QAL-14	VT-3	NA	10.000		
	Hyd Snubber						0.000		
	Class A								
F01.010.154C	1-MCR-NV-855		MCSRD NV-006	QAL-14	VT-3	NA	2.000		
	Hyd Snubber						0.000		
	Class A								
F01.010.157A	1-MCR-NV-1053		MCSRD NV-004	QAL-14	VT-3	NA	3.000		
							0.000		
	Class A								
F01.010.158A	1-MCR-NV-1056		MCSRD NV-004	QAL-14	VT-3	NA	2.000		
							0.000		
	Class A								

Total F01.010 Items: **12**

CATEGORY F-A, Supports (Category A)

DUKE ENERGY CORPORATION
QUALITY ASSURANCE TECHNICAL SERVICES
Inservice Inspection Database Management System
McGuire 1
Inservice Inspection Plan for Interval 2 Outage 6

Class 2 Piping Supports

ITEM NUMBER	ID NUMBER	SYS	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
F01.020.002C	1-MCA-CA-384	CA	MCSRD-CAM	QAL-14	VT-3	NA	6.000		
	Spring Hgr						0.000		
Class B									
F01.020.009C	1-MCA-CA-417	CA	MCSRD-CAN	QAL-14	VT-3	NA	6.000		
	Hyd Snubber						0.000		
Class B									
F01.020.015C	1-MCR-CA-488	CA	MCSRD-CAP	QAL-14	VT-3	NA	6.000		
	Spring Hgr						0.000		
Class B									
F01.020.053B	1-MCA-CF-171	CF	MCSRD-CFC/13 of 13	QAL-14	VT-3	NA	18.000		
	Rigid Restraint						0.000		
Class B									
F01.020.056C	1-MCR-CF-396	CF	MCSRD-CFC/12 of 13	QAL-14	VT-3	NA	18.000		
	Spring Hgr						0.000		
Class B									
F01.020.103C	1-MCA-FW-H132	FW	MCSRD-FWA Sht.1	QAL-14	VT-3	NA	0.000		
	Spring Hgr		MCFD 1571-01.00				0.000		
Class B									
F01.020.107A	1-MCA-FW-H14	FW	MCSRD-FWA Sht.1	QAL-14	VT-3	NA	0.000		
	Rigid Support		MCFD 1571-01.00				0.000		
Class B									
F01.020.108A	1-MCA-FW-H9	FW	MCSRD-FWA Sht.1	QAL-14	VT-3	NA	0.000		
	Rigid Support		MCFD 1571-01.00				0.000		
Class B									

CATEGORY F-A, Supports (Category A)

DUKE ENERGY CORPORATION
QUALITY ASSURANCE TECHNICAL SERVICES
Inservice Inspection Database Management System

McGuire 1

Class 2 Piping Supports

Inservice Inspection Plan for Interval 2 Outage 6

ITEM NUMBER	ID NUMBER	SYS	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
F01.020.109A	1-MCA-FW-H3	FW	MCSRD-FWA Sht.6	QAL-14	VT-3	NA	0.000		
	Rigid Support		MCFD 1571-01.00				0.000		
Class B									
F01.020.110A	1-MCA-FW-H4	FW	MCSRD-FWA Sht.6	QAL-14	VT-3	NA	0.000		
	Rigid Support		MCFD 1571-01.00				0.000		
Class B									
F01.020.111A	1-MCA-FW-H5	FW	MCSRD-FWA Sht.6	QAL-14	VT-3	NA	0.000		
	Rigid Support		MCFD 1571-01.00				0.000		
Class B									
F01.020.116C	1-MCA-FW-H134	FW	MCSRD-FWA Sht.8	QAL-14	VT-3	NA	0.000		
	Hyd Snubber		MCFD 1571-01.00				0.000		
Class B									
F01.020.117C	1-MCA-FW-H130	FW	MCSRD-FWA Sht.1	QAL-14	VT-3	NA	0.000		
	Mech Snubber		MCFD 1571-01.00				0.000		
Class B									
F01.020.159C	1-MCA-ND-070	ND	MCSRD-NDA sht. 8	QAL-14	VT-3	NA	8.000		
	Spring Hgr						0.000		
Class B									
F01.020.164C	1-MCA-ND-086	ND	MCSRD-NDA sht. 1	QAL-14	VT-3	NA	8.000		
	Spring Hgr						0.000		
Class B									
F01.020.165C	1-MCA-ND-152	ND	MCSRD-NDA sht. 6	QAL-14	VT-3	NA	8.000		
	Spring Hgr						0.000		
Class B									
F01.020.166A	1-MCA-ND-157	ND	MCSRD-NDA sht. 3	QAL-14	VT-3	NA	12.000		
	Rigid Support						0.000		
Class B									

CATEGORY F[illegible], Supports (Category A)

DUKE ENERG[illegible]RPORATION
QUALITY ASSURANCE [illegible]ECHNICAL SERVICES
Inservice Inspection Database Management System

McGuire 1

Class 2 Piping Supports

Inservice Inspection Plan for Interval 2 Outage 6

ITEM NUMBER	ID NUMBER	SYS	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
F01.020.171C	1-MCA-ND-258	ND	MCSRD-FWA	QAL-14	VT-3	NA	14.000		
	Hyd Snubber						0.000		
Class B									
F01.020.201C	1-MCA-NI-001	NI	MCSRD NIA sht. 1	QAL-14	VT-3	NA	6.000		
	Spring Hgr						0.000		
Class B									
F01.020.204C	1-MCA-NI-016	NI	MCSRD NIA sht. 1	QAL-14	VT-3	NA	6.000		
	Spring Hgr						0.000		
Class B									
F01.020.210C	1-MCR-NI-556	NI	MCSRD NI-003 sht. 3	QAL-14	VT-3	NA	6.000		
	Mech Snubber						0.000		
Class B									
F01.020.227B	1-MCR-NI-784	NI	MCSRD NI-009 sht. 3	QAL-14	VT-3	NA	4.000		
	Rigid Support						0.000		
Class B									
F01.020.228C	1-MCR-NI-786	NI	MCSRD NI-009 sht. 3	QAL-14	VT-3	NA	4.000		
	Hyd Snubber						0.000		
Class B									
F01.020.269B	1-MCA-NS-114		MCSRD-NSA	QAL-14	VT-3	NA	10.000		
							0.000		
Class B									
F01.020.270B	1-MCR-NS-510		MCSRD-NS-001	QAL-14	VT-3	NA	8.000		
							0.000		
Class B									
F01.020.271A	1-MCR-NS-506		MCSRD-NS-001	QAL-14	VT-3	NA	8.000		
	Rigid Support						0.000		
Class B									

CATEGORY F-A, Supports (Category A)

DUKE ENERGY CORPORATION
QUALITY ASSURANCE TECHNICAL SERVICES
Inservice Inspection Database Management System

Class 2 Piping Supports

McGuire 1

Inservice Inspection Plan for Interval 2 Outage 6

ITEM NUMBER	ID NUMBER	SYS ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK CAL BLOCKS	COMMENTS
F01.020.272B	1-MCR-NS-611	MCSRD-NS-003	QAL-14	VT-3	NA	8.000 0.000	
Class B							
F01.020.273B	1-MCR-NS-602	MCSRD-NS-003	QAL-14	VT-3	NA	8.000 0.000	
	Rigid Restraint						
Class B							
F01.020.330A	1-MCA-NV-042	MC 1190-NV-01-03	QAL-14	VT-3	NA	3.000 0.000	
Class B							
F01.020.331A	1-MCA-NV-043	MC 1190-NV-01-03	QAL-14	VT-3	NA	3.000 0.000	
Class B							
F01.020.332B	1-MCA-NV-048	MC 1190-NV-01-03	QAL-14	VT-3	NA	3.000 0.000	
Class B							
F01.020.333A	1-MCA-NV-049	MC 1190-NV-01-01	QAL-14	VT-3	NA	4.000 0.000	
Class B							
F01.020.334A	1-MCA-NV-051	MC 1190-NV-01-01	QAL-14	VT-3	NA	4.000 0.000	
Class B							
F01.020.335B	1-MCA-NV-053	MCSRD-NVA	QAL-14	VT-3	NA	3.000 0.000	
Class B							
F01.020.336A	1-MCA-NV-094	MCSRD-NVE	QAL-14	VT-3	NA	4.000 0.000	
Class B							

CATEGORY F-A, Supports (Category A)

DUKE ENERGY CORPORATION
QUALITY ASSURANCE TECHNICAL SERVICES
Inservice Inspection Database Management System

McGuire 1

Inservice Inspection Plan for Interval 2 Outage 6

Class 2 Piping Supports

ITEM NUMBER	ID NUMBER	SYS	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK CAL BLOCKS	COMMENTS
F01.020.559C	1-MCA-SM-105	SM	MCSRD-SMA/3 of 5	QAL-14	VT-3	NA	42.000	
	Spring Hgr						0.000	
Class B								
F01.020.654C	1-MCR-VQ-507		MCSRD-VQA	QAL14	VT-3	NA	6.000	
							0.000	
Class B								

Total F01.020 Items: 37

CATEGORY F-A, Supports (Category A)

DUKE ENERGY CORPORATION
QUALITY ASSURANCE TECHNICAL SERVICES
Inservice Inspection Database Management System

Class 3 Piping Supports

McGuire 1

Inservice Inspection Plan for Interval 2 Outage 6

ITEM NUMBER	ID NUMBER	SYS	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
F01.030.011B	1-MCA-CA-63	CA	MCSRD-CAC	QAL-14	VT-3	NA	4.000		
	Rigid Restraint						0.125		
Class C									
F01.030.012A	1-MCA-CA-223	CA	MCSRD-CAD	QAL-14	VT-3	NA	4.000		
	Rigid Support						0.125		
Class C									
F01.030.013A	1-MCA-CA-68	CA	MCSRD-CAD	QAL-14	VT-3	NA	4.000		
	Rigid Support						0.125		
Class C									
F01.030.014A	1-MCA-CA-303	CA	MCSRD-CAF	QAL-14	VT-3	NA	4.000		
	Rigid Support						0.375		
Class C									
F01.030.015A	1-MCA-CA-308	CA	MCSRD-CAF	QAL-14	VT-3	NA	4.000		
	Rigid Support						0.125		
Class C									
F01.030.016A	1-MCA-CA-318	CA	MCSRD-CAF	QAL-14	VT-3	NA	4.000		
	Rigid Support						0.125		
Class C									
F01.030.017A	1-MCA-CA-180	CA	MCSRD-CAO	QAL-14	VT-3	NA	4.000		
	Rigid Support						0.125		
Class C									
F01.030.018A	1-MCA-CA-216	CA	MCSRD-CAP	QAL-14	VT-3	NA	4.000		
	Rigid Support						0.125		
Class C									

CATEGORY F-A, Supports (Category A)

DUKE ENERGY CORPORATION
QUALITY ASSURANCE TECHNICAL SERVICES
Inservice Inspection Database Management System

Class 3 Piping Supports

McGuire 1

Inservice Inspection Plan for Interval 2 Outage 6

ITEM NUMBER	ID NUMBER	SYS	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
F01.030.019B	1-MCA-CA-227	CA	MCSRD-CAP	QAL-14	VT-3	NA	4.000		
	Rigid Restraint						0.125		
Class C									
F01.030.020A	1-MCA-CA-462	CA	MCSRD-CAP	QAL-14	VT-3	NA	4.000		
	Rigid Support						0.000		
Class C									
F01.030.068B	MC 1683-NV-13-R5		MC 1683-NV-13	QAL-14	VT-3	NA	3.000		
							0.000		
Class C									
F01.030.069B	MC 1683-NV-49-R1		MC 1683-NV-49	QAL-14	VT-3	NA	3.000		
							0.000		
Class C									
F01.030.071A	MC 1683-NV-50-R7		MC 1683-NV-50	QAL-14	VT-3	NA	3.000		
							0.000		
Class C									
F01.030.072A	MC 1683-NV-50-R11		MC 1683-NV-50	QAL-14	VT-3	NA	3.000		
							0.000		
Class C									
F01.030.105A	1-MCR-KC-556	KC	MCSRD-KC-01SHT1	QAL-14	VT-3	NA	0.000		
	Rigid Restraint		MCFD 1573-03-00				0.000		
Class C									
F01.030.106B	1-MCR-KC-561	KC	MCSRD-KC-01SHT1	QAL-14	VT-3	NA	0.000		
	Rigid Restraint		MCFD 1573-03-00				0.000		
Class C									
F01.030.107B	1-MCR-KC-553	KC	MCSRD-KC-01SHT7	QAL-14	VT-3	NA	0.000		
	Rigid Restraint		MCFD 1573-03-00				0.000		
Class C									

CATEGORY F-A, Supports (Category A)

DUKE ENERG[illegible]RPORATION
QUALITY ASSURANCE TECHNICAL SERVICES
Inservice Inspection Database Management System

Class 3 Piping Supports

McGuire 1

Inservice Inspection Plan for Interval 2 Outage 6

ITEM NUMBER	ID NUMBER	SYS	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
F01.030.108B	1-MCR-KC-506	KC	MCSRD-KC-02SHT1	QAL-14	VT-3	NA	0.000		
	Rigid Restraint		MCFD 1573-03-00				0.000		
Class C									
F01.030.109A	1-MCA-KC-1039	KC	MCSRD-KC-302SHT1	QAL-14	VT-3	NA	0.000		
	Rigid Support		MCFD 1573-01.01				0.000		
Class C									
F01.030.110A	1-MCA-KC-2283	KC	MCSRD-KC-302SHT1	QAL-14	VT-3	NA	0.000		
	Rigid Support		MCFD 1573-01.01				0.000		
Class C									
F01.030.113A	1-MCA-KC-H452	KC	MCSRD-KC-304SHT1	QAL-14	VT-3	NA	0.000		
	Rigid Support		MCFD 1573-01.01				0.500		
Class C									
F01.030.121B	1-MCR-KC-557	KC	MCSRD-KC-01SHT1	QAL-14	VT-3	NA	0.000		
	Rigid Restraint		MCFD 1573-03-00				0.000		
Class C									
F01.030.126A	1-MCA-KC-2228	KC	MCSRD-KC-315SHT3	QAL-14	VT-3	NA	0.000		
	Rigid Support		MCFD 1573-03-01				0.000		
Class C									
F01.030.127B	1-MCA-KC-H328	KC	MCSRD-KC-305SHT1	QAL-14	VT-3	NA	0.000		
	Rigid Restraint		MCFD 1573-01-01				0.000		
Class C									
F01.030.137C	1-MCA-KC-1312	KC	MCSRD-KC-315SHT5	QAL-14	VT-3	NA	0.000		
	Spring Hgr		MCFD 1573-02-00				0.000		
Class C									
F01.030.160A	1-MCA-LD-171	LD	MCSRD-LD-301/SHT. 1	QAL-14	VT-3	NA	0.000		
	Rigid Support		MCFD 1609-02.00				0.000		
Class C									

CATEGORY F..., Supports (Category A)

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QUALITY ASSURANCE ECHNICAL SERVICES
Inservice Inspection Database Management System

Class 3 Piping Supports

McGuire 1

Inservice Inspection Plan for Interval 2 Outage 6

ITEM NUMBER	ID NUMBER	SYS	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
F01.030.161C	1-MCA-LD-65	LD	MCSRD-LD-301/SHT. 2	QAL-14	VT-3	NA	0.000		
	Spring Hgr		MCFD 1609-02.00				0.000		
Class C									
F01.030.166B	1-MCA-RN-2026	RN	MCSRD-RN-301/SHT.1	QAL-14	VT-3	NA	0.000		
	Rigid Restraint		MCFD 1574-02.00				0.000		
Class C									
F01.030.170B	1-MCA-RN-2054	RN	MCSRD-RN-302	QAL-14	VT-3	NA	0.000		
	Rigid Restraint		MCFD 1574-02.00				0.000		
Class C									

Total F01.030 Items: 29

CATEGORY F-A, Supports

DUKE ENERGY CORPORATION
QUALITY ASSURANCE TECHNICAL SERVICES
Inservice Inspection Database Management System

Supports other than Piping Supports (Class 1, 2, 3)

McGuire 1

Inservice Inspection Plan for Interval 2 Outage 6

ITEM NUMBER	ID NUMBER	SYS	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
F01.040.004	1PZR-SUPPORT		MC 1070-4 MC 1070-6	QAL-14	VT-3	NA	0.000 0.000		PRESSURIZER LOWER AND UPPER SUPPORT FRAME
Class A			MC 1070-22						HANGER FUNCTION CATEGORIZATION B
F01.040.018	1NSP-SUP-1A		MCM 1201.05-41 MC 1220-74	QAL-14	VT-3	NA	0.000 0.000		CONTAINMENT SPRAY PUMP 1A HANGER FUNCTION CATEGORIZATION B
F01.040.019	1RCP-SUP		MC 1222-1 MC 1222-33	QAL-14	VT-3	NA	0.000 0.000		RECIPRICATING CHARGING PUMP HANGER FUNCTION CATEGORIZATION B
F01.040.020	1CCP-SUP-1A		MCM 1201.05-228 MC 1222-1	QAL-14	VT-3	NA	0.000 0.000		CENTRIFICAL CHARGING PUMP 1A MC 1222-32 HANGER FUNCTION CATEGORIZATION B
Class A									
F01.040.023	1RV-SUPPORT-C	NC	MCM 1201.01-78 MCM 1201.01-79	QAL-14	VT-3	NA	0.000 0.000		HANGER FUNCTION CATEGORIZATION B
Class A			MCM 1117.00-10						
F01.040.024	1RV-SUPPORT-D	NC	MCM 1201.01-78 MCM 1201.01-79	QAL-14	VT-3	NA	0.000 0.000		HANGER FUNCTION CATEGORIZATION B
Class A			MCM 1117.00-10						
F01.040.030	1KDHX-SUP-1A		MCM 1201.06-42 SHT5 MC 1231-18	QAL-14	VT-3	NA	0.000 0.000		1A DIESEL GENERATOR COOLING WATER HX SUPPORT HANGER FUNCTION CATEGORIZATION B
F01.040.031	1KDC-SUP-1A		MCM 1301.00-50 MC 1231-19	QAL-14	VT-3	NA	0.000 0.000		1A LUBE OIL COOLER SUPPORT HANGER FUNCTION CATEGORIZATION B

CATEGORY F-A, Supports

DUKE ENERGY CORPORATION
QUALITY ASSURANCE TECHNICAL SERVICES
Inservice Inspection Database Management System

McGuire 1

Inservice Inspection Plan for Interval 2 Outage 6

Supports other than Piping Supports (Class 1, 2, 3)

ITEM NUMBER	ID NUMBER	SYS ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK CAL BLOCKS	COMMENTS
F01.040.032	1KDP-SUP-1A	MCM 1301.00-45	QAL-14	VT-3	NA	0.000 0.000	1A JACKET WATER PUMP SUPPORT HANGER FUNCTION CATEGORIZATION B
F01.040.037	1CAP-SUP-1A	MCM 1201.05-063	QAL-14	VT-3	NA	0.000 0.000	1A AUXILLARY FEEDWATER PUMP SUPPORT HANGER FUNCTION CATEGORIZATION B
F01.040.038	1RNST-SUP-1A	MCM 1218.02-008 MCM 1218.02-009	QAL-14	VT-3	NA	0.000 0.000	1A NUCLEAR SERVICE WATER STRAINER SUPPORT HANGER FUNCTION CATEGORIZATION B

Total F01.040 Items:	**11**
Total F01 Items:	**89**

CATEGORY AUG, Augmented Inspections

DUKE ENERGY CORPORATION
QUALITY ASSURANCE TECHNICAL SERVICES
Inservice Inspection Database Management System

McGuire 1

Inservice Inspection Plan for Interval 2 Outage 6

Augmented Exam, Reactor Coolant Pump Flywheel

ITEM NUMBER	ID NUMBER	SYS ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
G01.001.003	1RCP-1C	MCM 1201.01-7	NDE-900	UT	CS	0.000 0.000		REACTOR COOLANT PUMP 1C FLYWHEEL GREATER THAN 90% EXAMINED. AUGMENTED EXAMINATION
Class A								

Total G01.001 Items: 1

Total G01 Items: 1

5.0 ***Results Of Inspections Performed***

The results of each examination shown in the final ISI Plan (Section 4 of this report) are included in this section. The completion date and status for each examination are shown. Limited examinations are described in further detail in Section 5.2. All examinations revealing reportable indications are described in further detail in Section 6.

5.1 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
Insp Date	=	Date of Examination
Insp Status	=	CLR Clear REC Recordable REP Reportable
Insp Limited	=	Indicates inspection was limited. Coverage obtained is listed
Geo. Ref. (Geometric Reflector applies only to UT)	=	Y Yes N No
Comments	=	General and/or Detail Description

DUKE ENERGY CORPORATION
QUALITY ASSURANCE & TECHNICAL SERVICES
In-Service Inspection Database Management System
McGuire 1 Inservice Inspection Listing
Interval 2 Outage 6

ITEM NUMBER	ID NUMBER	SYSTEM	INSP DATE	INSP STATUS	INSP LIMITED	GEO REF	RFR	COMMENTS
B02.012.001	1PZR-6		10/15/1999	CLR	---	N	N	
B02.040.002	1SGB-W22		10/09/1999	REC	---	Y	N	
B03.110.003	1PZR-13		09/30/1999	REC	64.04%	N	Y	See Request for Relief 99-003
B03.120.003	1PZR-13R		09/30/1999	CLR	62.79%	N	Y	See Request for Relief 99-003
B03.120.004	1PZR-14R		09/30/1999	CLR	62.79%	N	Y	See Request for Relief 99-003
B03.140.003	1SGB-INLET		10/12/1999	CLR	83.28%	N	Y	See Request for Relief 99-003
B03.140.004	1SGB-OUTLET		10/12/1999	CLR	83.28%	N	Y	See Request for Relief 99-003
B05.010.001B	1RPV 3-445B-SE		09/22/1999	CLR	---	N	N	
B05.010.002B	1RPV 3-445A-SE		09/22/1999	CLR	---	N	N	
B05.010.003B	1RPV 3-445D-SE		09/22/1999	CLR	---	N	N	
B05.010.004B	1RPV 3-445C-SE		09/22/1999	CLR	---	N	N	
B05.040.005	1PZR-W4BSE		09/30/1999	CLR	---	N	N	
B05.040.005A	1PZR-W4BSE		09/30/1999	CLR	---	N	N	
B05.040.006	1PZR-W4CSE		09/30/1999	CLR	---	N	N	
B05.040.006A	1PZR-W4CSE		09/30/1999	CLR	---	N	N	
B05.070.003	1SGB-INLET-W5SE		10/12/1999	CLR	75.00%	N	Y	See Request for Relief 99-003
B05.070.003A	1SGB-INLET-W5SE		10/11/1999	CLR	---	N	N	
B05.070.004	1SGB-OUTLET-W6SE		10/12/1999	CLR	75.00%	N	Y	See Request for Relief 99-003
B05.070.004A	1SGB-OUTLET-W6SE		10/11/1999	CLR	---	N	N	
B05.130.004B	1NC1F-1-8		09/22/1999	CLR	---	N	N	
B05.130.008B	1NC1F-2-8		09/22/1999	CLR	---	N	N	
B05.130.012B	1NC1F-3-8		09/22/1999	CLR	---	N	N	
B05.130.016B	1NC1F-4-8		09/22/1999	CLR	---	N	N	
B06.010.012	1RPV-449-02-12		09/29/1999	CLR	---	N	N	
B06.010.013	1RPV-449-02-13		09/29/1999	CLR	---	N	N	
B06.010.014	1RPV-449-02-14		10/05/1999	CLR	---	N	N	
B06.010.015	1RPV-449-02-15		10/05/1999	CLR	---	N	N	
B06.010.037	1RPV-449-02-37		10/05/1999	CLR	---	N	N	
B06.010.038	1RPV-449-02-38		10/05/1999	CLR	---	N	N	
B06.010.039	1RPV-449-02-39		10/05/1999	CLR	---	N	N	
B06.010.040	1RPV-449-02-40		10/05/1999	CLR	---	N	N	
B06.010.041	1RPV-449-02-41		10/05/1999	CLR	---	N	N	
B06.010.042	1RPV-449-02-42		10/05/1999	CLR	---	N	N	
B06.010.043	1RPV-449-02-43		10/05/1999	CLR	---	N	N	
B06.010.044	1RPV-449-02-44		09/29/1999	CLR	---	N	N	
B06.010.045	1RPV-449-02-45		09/29/1999	CLR	---	N	N	
B06.010.046	1RPV-449-02-46		09/29/1999	CLR	---	N	N	

ITEM NUMBER	ID NUMBER	SYSTEM	INSP DATE	INSP STATUS	INSP LIMITED	GEO REF	RFR	COMMENTS
B06.010.047	1RPV-449-02-47		09/29/1999	CLR	---	N	N	
B06.010.048	1RPV-449-02-48		09/29/1999	CLR	---	N	N	
B06.010.049	1RPV-449-02-49		09/29/1999	CLR	---	N	N	
B06.010.050	1RPV-449-02-50		09/29/1999	CLR	---	N	N	
B06.010.051	1RPV-449-02-51		09/29/1999	CLR	---	N	N	
B06.010.052	1RPV-449-02-52		09/29/1999	CLR	---	N	N	
B06.010.053	1RPV-449-02-53		09/29/1999	CLR	---	N	N	
B06.010.054	1RPV-449-02-54		09/29/1999	CLR	---	N	N	
B06.030.012	1RPV-449-01-12		09/29/1999	CLR	---	N	N	
B06.030.012A	1RPV-449-01-12		09/29/1999	CLR	---	N	N	
B06.030.013	1RPV-449-01-13		09/29/1999	CLR	---	N	N	
B06.030.013A	1RPV-449-01-13		09/29/1999	CLR	---	N	N	
B06.030.014	1RPV-449-01-14		10/05/1999	CLR	---	N	N	
B06.030.014A	1RPV-449-01-14		10/05/1999	CLR	---	N	N	
B06.030.015	1RPV-449-01-15		10/05/1999	CLR	---	N	N	
B06.030.015A	1RPV-449-01-15		10/05/1999	CLR	---	N	N	
B06.030.037	1RPV-449-01-37		10/05/1999	REC	---	N	N	
B06.030.037A	1RPV-449-01-37		10/05/1999	CLR	---	N	N	
B06.030.038	1RPV-449-01-38		10/05/1999	CLR	---	N	N	
B06.030.038A	1RPV-449-01-38		10/05/1999	CLR	---	N	N	
B06.030.039	1RPV-449-01-39		10/05/1999	CLR	---	N	N	
B06.030.039A	1RPV-449-01-39		10/05/1999	CLR	---	N	N	
B06.030.040	1RPV-449-01-40		10/05/1999	CLR	---	N	N	
B06.030.040A	1RPV-449-01-40		10/05/1999	CLR	---	N	N	
B06.030.041	1RPV-449-01-41		10/05/1999	CLR	---	N	N	
B06.030.041A	1RPV-449-01-41		10/05/1999	CLR	---	N	N	
B06.030.042	1RPV-449-01-42		10/05/1999	CLR	---	N	N	
B06.030.042A	1RPV-449-01-42		10/05/1999	CLR	---	N	N	
B06.030.043	1RPV-449-01-43		10/05/1999	CLR	---	N	N	
B06.030.043A	1RPV-449-01-43		10/05/1999	CLR	---	N	N	
B06.030.044	1RPV-449-01-44		09/29/1999	CLR	---	N	N	
B06.030.044A	1RPV-449-01-44		09/29/1999	CLR	---	N	N	
B06.030.045	1RPV-449-01-45		09/29/1999	CLR	---	N	N	
B06.030.045A	1RPV-449-01-45		09/29/1999	CLR	---	N	N	
B06.030.046	1RPV-449-01-46		09/29/1999	CLR	---	N	N	
B06.030.046A	1RPV-449-01-46		09/29/1999	CLR	---	N	N	
B06.030.047	1RPV-449-01-47		09/29/1999	CLR	---	N	N	

ITEM NUMBER	ID NUMBER	SYSTEM	INSP DATE	INSP STATUS	INSP LIMITED	GEO REF	RFR	COMMENTS
B06.030.047A	1RPV-449-01-47		09/29/1999	CLR	---	N	N	
B06.030.048	1RPV-449-01-48		09/29/1999	CLR	---	N	N	
B06.030.048A	1RPV-449-01-48		09/29/1999	CLR	---	N	N	
B06.030.049	1RPV-449-01-49		09/29/1999	CLR	---	N	N	
B06.030.049A	1RPV-449-01-49		09/29/1999	CLR	---	N	N	
B06.030.050	1RPV-449-01-50		09/29/1999	CLR	---	N	N	
B06.030.050A	1RPV-449-01-50		09/29/1999	CLR	---	N	N	
B06.030.051	1RPV-449-01-51		09/29/1999	CLR	---	N	N	
B06.030.051A	1RPV-449-01-51		09/29/1999	CLR	---	N	N	
B06.030.052	1RPV-449-01-52		09/29/1999	CLR	---	N	N	
B06.030.052A	1RPV-449-01-52		09/29/1999	CLR	---	N	N	
B06.030.053	1RPV-449-01-53		09/29/1999	CLR	---	N	N	
B06.030.053A	1RPV-449-01-53		09/29/1999	CLR	---	N	N	
B06.030.054	1RPV-449-01-54		09/29/1999	CLR	---	N	N	
B06.030.054A	1RPV-449-01-54		09/29/1999	CLR	---	N	N	
B06.050.012	1RPV-449-03-12		09/29/1999	CLR	---	N	N	
B06.050.013	1RPV-449-03-13		09/29/1999	CLR	---	N	N	
B06.050.014	1RPV-449-03-14		10/05/1999	CLR	---	N	N	
B06.050.015	1RPV-449-03-15		10/05/1999	CLR	---	N	N	
B06.050.037	1RPV-449-03-37		10/05/1999	CLR	---	N	N	
B06.050.038	1RPV-449-03-38		10/05/1999	CLR	---	N	N	
B06.050.039	1RPV-449-03-39		10/05/1999	CLR	---	N	N	
B06.050.040	1RPV-449-03-40		10/05/1999	CLR	---	N	N	
B06.050.041	1RPV-449-03-41		10/05/1999	CLR	---	N	N	
B06.050.042	1RPV-449-03-42		10/05/1999	CLR	---	N	N	
B06.050.043	1RPV-449-03-43		10/05/1999	CLR	---	N	N	
B06.050.044	1RPV-449-03-44		09/29/1999	CLR	---	N	N	
B06.050.045	1RPV-449-03-45		09/29/1999	CLR	---	N	N	
B06.050.046	1RPV-449-03-46		09/29/1999	CLR	---	N	N	
B06.050.047	1RPV-449-03-47		09/29/1999	CLR	---	N	N	
B06.050.048	1RPV-449-03-48		09/30/1999	CLR	---	N	N	
B06.050.049	1RPV-449-03-49		09/30/1999	CLR	---	N	N	
B06.050.050	1RPV-449-03-50		09/29/1999	CLR	---	N	N	
B06.050.051	1RPV-449-03-51		09/30/1999	CLR	---	N	N	
B06.050.052	1RPV-449-03-52		09/30/1999	CLR	---	N	N	
B06.050.053	1RPV-449-03-53		09/30/1999	CLR	---	N	N	
B06.050.054	1RPV-449-03-54		09/30/1999	CLR	---	N	N	

DUKE ENERGY CORPORATION
QUALITY ASSURANCE TECHNICAL SERVICES
In-Service Inspection Database Management System
McGuire 1 Inservice Inspection Listing
Interval 2 Outage 6

ITEM NUMBER	ID NUMBER	SYSTEM	INSP DATE	INSP STATUS	INSP LIMITED	GEO REF	RFR	COMMENTS
B06.090.001	1SGA-MW-X2-Y1		10/01/1999	CLR	---	N	N	
B06.090.002	1SGA-MW-X2-Y2		10/01/1999	CLR	---	N	N	
B06.090.007	1SGD-MW-X1-Y1		10/01/1999	CLR	---	N	N	
B06.090.008	1SGD-MW-X1-Y2		10/01/1999	CLR	---	N	N	
B06.100.001	1SGA-MW-X2-Y1		10/06/1999	CLR	---	N	N	
B06.100.002	1SGA-MW-X2-Y2		10/06/1999	CLR	---	N	N	
B06.100.003	1SGB-MW-X1-Y1		10/05/1999	CLR	---	N	N	
B06.100.004	1SGB-MW-X1-Y2		10/05/1999	CLR	---	N	N	
B06.100.005	1SGC-MW-X2-Y1		10/05/1999	CLR	---	N	N	
B06.100.006	1SGC-MW-X2-Y2		10/05/1999	CLR	---	N	N	
B06.100.007	1SGD-MW-X1-Y1		10/06/1999	CLR	---	N	N	
B06.100.008	1SGD-MW-X1-Y2		10/06/1999	CLR	---	N	N	
B06.110.001	1SGA-MW-X2-Y1		10/04/1999	CLR	---	N	N	
B06.110.002	1SGA-MW-X2-Y2		10/04/1999	CLR	---	N	N	
B06.110.007	1SGD-MW-X1-Y1		10/05/1999	CLR	---	N	N	
B06.110.008	1SGD-MW-X1-Y2		10/05/1999	CLR	---	N	N	
B06.200.001	1RCP-1D-F		10/18/1999	CLR	---	N	N	
B07.050.001	1NC-5-FL1		10/14/1999	CLR	---	N	N	
B07.050.002	1NC-5-FL2		09/24/1999	CLR	---	N	N	
B07.050.003	1NC-5-FL3		10/18/1999	CLR	---	N	N	
B07.050.200	1NV-25-FL2		10/18/1999	CLR	---	N	N	
B07.050.201	1NV-125-FL1		10/18/1999	CLR	---	N	N	
B07.050.202	1NV-137-FL1		10/18/1999	CLR	---	N	N	
B07.050.203	1NV-143-FL2		10/18/1999	CLR	---	N	N	
B07.070.001A	1NC-1		10/14/1999	CLR	---	N	N	
B07.070.063B	1NI-129		10/19/1999	CLR	---	N	N	
B07.070.101A	1NV-14		09/30/1999	CLR	---	N	N	
B08.020.006	1PZR-W14A		09/29/1999	CLR	---	N	N	
B08.020.007	1PZR-W14B		09/29/1999	CLR	---	N	N	
B08.020.008	1PZR-W14C		09/29/1999	CLR	---	N	N	
B08.020.009	1PZR-W14D		09/30/1999	CLR	---	N	N	
B09.011.072	1NC1F-2-2	NC	10/12/1999	CLR	---	N	N	
B09.011.072A	1NC1F-2-2	NC	10/11/1999	CLR	---	N	N	
B09.011.073	1NC1F-2-3	NC	10/12/1999	CLR	---	N	N	
B09.011.073A	1NC1F-2-3	NC	10/11/1999	CLR	---	N	N	
B09.011.210	1NI1F-294	NI	09/25/1999	CLR	---	N	N	
B09.011.210A	1NI1F-294	NI	09/24/1999	CLR	---	N	N	

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B09.011.211	1NI1F-295	NI	09/25/1999	CLR	---	N	N	
B09.011.211A	1NI1F-295	NI	09/24/1999	CLR	---	N	N	
B09.011.218	1NI-458-1	NI	10/01/1999	REC	---	Y	N	
B09.011.218A	1NI-458-1	NI	10/01/1999	CLR	---	N	N	
B09.011.220	1NI1F-275	NI	10/04/1999	REC	---	Y	N	
B09.011.220A	1NI1F-275	NI	10/02/1999	CLR	---	N	N	
B09.011.225	1NI-178-2	NI	10/04/1999	REC	---	Y	N	
B09.011.225A	1NI-178-2	NI	10/02/1999	CLR	---	N	N	
B09.011.229	1NI1F-657	NI	09/27/1999	CLR	---	N	N	
B09.011.229A	1NI1F-657	NI	09/24/1999	CLR	---	N	N	
B09.011.230	1NI1F-656	NI	09/27/1999	CLR	---	N	N	
B09.011.230A	1NI1F-656	NI	09/24/1999	CLR	---	N	N	
B09.011.231	1NI-469-6	NI	09/27/1999	CLR	---	N	N	
B09.011.231A	1NI-469-6	NI	09/24/1999	CLR	---	N	N	
B09.011.232	1NI-469-7	NI	09/27/1999	CLR	---	N	N	
B09.011.232A	1NI-469-7	NI	09/24/1999	CLR	---	N	N	
B09.011.233	1NI-469-8	NI	09/27/1999	REC	---	Y	N	
B09.011.233A	1NI-469-8	NI	09/24/1999	CLR	---	N	N	
B09.011.234	1NI-469-9	NI	09/27/1999	CLR	---	N	N	
B09.011.234A	1NI-469-9	NI	09/24/1999	CLR	---	N	N	
B09.011.235	1NI1F-649	NI	09/25/1999	CLR	---	N	N	
B09.011.235A	1NI1F-649	NI	09/24/1999	CLR	---	N	N	
B09.011.236	1NI1F-648	NI	09/25/1999	CLR	---	N	N	
B09.011.236A	1NI1F-648	NI	09/24/1999	CLR	---	N	N	
B09.011.237	1NI-465-5	NI	09/25/1999	CLR	---	N	N	
B09.011.237A	1NI-465-5	NI	09/24/1999	CLR	---	N	N	
B09.011.238	1NI-465-6	NI	09/25/1999	CLR	---	N	N	
B09.011.238A	1NI-465-6	NI	09/24/1999	CLR	---	N	N	
B09.011.239	1NI-465-4	NI	09/25/1999	CLR	---	N	N	
B09.011.239A	1NI-465-4	NI	09/24/1999	CLR	---	N	N	
B09.021.010	1NCP-336-2	NC	09/24/1999	CLR	---	N	N	
B09.021.011	1NCP-336-1	NC	09/29/1999	CLR	---	N	N	
B09.021.012	1NCP-337-1	NC	09/29/1999	CLR	---	N	N	
B09.021.019	1NC1F-1493	NC	09/29/1999	CLR	---	N	N	
B09.021.021	1NC1F-1615	NC	09/25/1999	CLR	---	N	N	
B09.021.201	1NV1F-1539	NV	09/25/1999	CLR	---	N	N	
B09.032.100	1NI-354-2	NI	09/27/1999	CLR	---	N	N	

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B09.040.019	1NC1F-1941	NC	09/30/1999	CLR	---	N	N	
B09.040.200	1NV1F-500	NV	09/28/1999	CLR	---	N	N	
B09.040.201	1NV1F-883	NV	09/25/1999	CLR	---	N	N	
B09.040.202	1NV1F-881	NV	09/25/1999	CLR	---	N	N	
B09.040.203	1NV1F-880	NV	09/25/1999	CLR	---	N	N	
B09.040.204	1NV1F-5411	NV	09/29/1999	CLR	---	N	N	
B09.040.205	1NV1F-887	NV	09/25/1999	CLR	---	N	N	
B09.040.208	1NV1F-1555	NV	09/29/1999	CLR	---	N	N	
B09.040.210	1NV1F-4892	NV	09/25/1999	CLR	---	N	N	
B09.040.212	1NV1F-4885	NV	09/25/1999	CLR	---	N	N	
B09.040.213	1NV1F-4880	NV	09/25/1999	CLR	---	N	N	
B09.040.214	1NV1F-4877	NV	09/25/1999	CLR	---	N	N	
B13.010.001	1RPV-INTERIOR		10/25/1999	REC	---	N	N	
B14.010.013	1RPV-CRDM-67		10/04/1999	CLR	---	N	N	
C01.020.072	5141-2-HD1		/ /		0.00%	N	Y	See Request for Relief 98-002 & 98-003
C01.020.073	5141-2-HD2		/ /		0.00%	N	Y	See Request for Relief 98-002 & 98-003
C01.030.010	1BCSHX-SH-48		09/17/1999	REC	22.14%	Y	Y	See Request for Relief 99-003
C01.030.022	5141-2-NB-TS		/ /		0.00%	N	Y	See Request for Relief 98-002 & 98-003
C01.030.023	5141-2-TS-SH		/ /	CLR	0.00%	N	Y	See Request for Relief 98-002 & 98-003
C03.020.033	1MCR-SM-082		/ /		---	N	N	Inaccessible, Per Code Case N-491 this attachment will be exempted
C03.020.034	1MCR-SM-095		/ /		---	N	N	Inaccessible, Per Code Case N-491 this attachment will be exempted
C05.011.051	1ND1F138	ND	09/16/1999	CLR	---	N	N	
C05.011.051A	1ND1F138	ND	09/27/1999	CLR	---	N	N	
C05.011.052	1ND1F113	ND	09/14/1999	CLR	---	N	N	
C05.011.052A	1ND1F113	ND	09/14/1999	CLR	---	N	N	
C05.011.053	1ND1F133	ND	09/16/1999	CLR	---	N	N	
C05.011.053A	1ND1F133	ND	09/27/1999	CLR	---	N	N	
C05.011.102	1NI1F-472	NI	09/28/1999	CLR	---	N	N	
C05.011.102A	1NI1F-472	NI	09/27/1999	CLR	---	N	N	
C05.011.103	1NI350-1	NI	09/28/1999	CLR	---	N	N	
C05.011.103A	1NI350-1	NI	09/27/1999	CLR	---	N	N	
C05.011.104	1NI350-2	NI	09/28/1999	CLR	---	N	N	
C05.011.104A	1NI350-2	NI	09/27/1999	CLR	---	N	N	
C05.011.105	1NI350-3	NI	09/28/1999	CLR	---	N	N	
C05.011.105A	1NI350-3	NI	09/27/1999	CLR	---	N	N	

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C05.011.106	1NI1F-473	NI	09/28/1999	CLR	---	N	N	
C05.011.106A	1NI1F-473	NI	09/27/1999	CLR	---	N	N	
C05.011.107	1NI355-1	NI	09/28/1999	CLR	---	N	N	
C05.011.107A	1NI355-1	NI	09/27/1999	CLR	---	N	N	
C05.011.108	1NI1F-474	NI	09/28/1999	CLR	---	N	N	
C05.011.108A	1NI1F-474	NI	09/27/1999	CLR	---	N	N	
C05.011.112	1NI118-2	NI	09/15/1999	CLR	---	N	N	
C05.011.112A	1NI118-2	NI	09/27/1999	CLR	---	N	N	
C05.011.116	1NI201-7	NI	09/25/1999	CLR	---	N	N	
C05.011.116A	1NI201-7	NI	09/24/1999	CLR	---	N	N	
C05.011.128	1NI198-2	NI	09/25/1999	CLR	---	N	N	
C05.011.128A	1NI198-2	NI	09/24/1999	CLR	---	N	N	
C05.011.142	1NI176-1	NI	10/04/1999	CLR	---	N	N	
C05.011.142A	1NI176-1	NI	10/02/1999	CLR	---	N	N	
C05.011.143	1NI176-2	NI	10/04/1999	CLR	---	N	N	
C05.011.143A	1NI176-2	NI	10/02/1999	CLR	---	N	N	
C05.011.145	1NI177-4	NI	10/04/1999	REC	---	Y	N	
C05.011.145A	1NI177-4	NI	10/02/1999	CLR	---	N	N	
C05.011.151	1NI1F473A	NI	09/28/1999	CLR	---	N	N	
C05.011.151A	1NI1F473A	NI	09/27/1999	CLR	---	N	N	
C05.011.153	1NI351-1	NI	09/28/1999	CLR	---	N	N	
C05.011.153A	1NI351-1	NI	09/27/1999	CLR	---	N	N	
C05.011.154	1NI201-2	NI	09/25/1999	CLR	---	N	N	
C05.011.154A	1NI201-2	NI	09/24/1999	CLR	---	N	N	
C05.011.155	1NI201-3	NI	09/25/1999	REC	---	Y	N	
C05.011.155A	1NI201-3	NI	09/24/1999	CLR	---	N	N	
C05.011.220	1SGB-W261	CA	10/07/1999	CLR	50.00%	N	Y	See Request for Relief 99-003
C05.011.220A	1SGB-W261	CA	10/06/1999	CLR	---	N	N	
C05.021.070	1NV1F-7876	NV	09/15/1999	CLR	---	N	N	
C05.021.070A	1NV1F-7876	NV	09/15/1999	CLR	---	N	N	
C05.021.071	1NV29-1	NV	09/14/1999	CLR	---	N	N	
C05.021.071A	1NV29-1	NV	09/14/1999	CLR	---	N	N	
C05.021.072	1NV1F-7889	NV	09/14/1999	CLR	---	N	N	
C05.021.072A	1NV1F-7889	NV	09/14/1999	CLR	---	N	N	
C05.021.073	1NV1F-612	NV	09/29/1999	CLR	---	N	N	
C05.021.073A	1NV1F-612	NV	09/29/1999	CLR	---	N	N	
C05.021.074	1NVP95-2	NV	09/15/1999	CLR	---	N	N	

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C05.021.074A	1NVP95-2	NV	09/15/1999	CLR	---	N	N	
C05.021.075	1NV1F-1892	NV	10/04/1999	CLR	---	N	N	
C05.021.075A	1NV1F-1892	NV	10/02/1999	CLR	---	N	N	
C05.021.076	1NV1F-5289	NV	09/14/1999	CLR	---	N	N	
C05.021.076A	1NV1F-5289	NV	09/14/1999	CLR	---	N	N	
C05.021.077	1NVP859-2	NV	09/14/1999	CLR	---	N	N	
C05.021.077A	1NVP859-2	NV	09/24/1999	CLR	---	N	N	
C05.021.078	1NV1F-2112	NV	09/14/1999	CLR	---	N	N	
C05.021.078A	1NV1F-2112	NV	09/24/1999	CLR	---	N	N	
C05.021.079	1NV1F-2179	NV	09/13/1999	CLR	---	N	N	
C05.021.079A	1NV1F-2179	NV	09/24/1999	CLR	---	N	N	
C05.021.080	1RCPSS-IN-1	NV	09/15/1999	CLR	---	N	N	
C05.021.080A	1RCPSS-IN-1	NV	09/24/1999	CLR	---	N	N	
C05.021.081	1RCPSS-OUT-1	NV	09/15/1999	CLR	---	N	N	
C05.021.081A	1RCPSS-OUT-1	NV	09/24/1999	CLR	---	N	N	
C05.021.082	1NV1F-7900	NV	09/15/1999	CLR	---	N	N	
C05.021.082A	1NV1F-7900	NV	09/24/1999	CLR	---	N	N	
C05.030.001	1NI1F-1899	NI	09/09/1999	CLR	---	N	N	
C05.030.002	1NI1F-488	NI	10/04/1999	CLR	---	N	N	
C05.030.003	1NI1F-1204	NI	10/04/1999	CLR	---	N	N	
C05.030.004	1NI357-12	NI	10/04/1999	CLR	---	N	N	
C05.030.005	1NI1F-1499	NI	10/06/1999	CLR	---	N	N	
C05.030.085	1NV1F-2218	NV	09/16/1999	CLR	---	N	N	
C05.030.086	1NV1FW181-8	NV	09/15/1999	CLR	---	N	N	
C05.030.087	1NV1FW183-34	NV	09/27/1999	CLR	---	N	N	
C05.030.088	1NV1FW183-36	NV	09/27/1999	CLR	---	N	N	
C05.051.016	1CA1FW19-2	CA	10/07/1999	REC	---	Y	N	
C05.051.016A	1CA1FW19-2	CA	10/06/1999	CLR	---	N	N	
C05.051.057	1CF1F-665	CF	10/13/1999	REC	---	Y	N	
C05.051.057A	1CF1F-665	CF	10/13/1999	CLR	---	N	N	
C05.051.064	1SGB-W260	CF	10/07/1999	CLR	---	N	N	
C05.051.064A	1SGB-W260	CF	10/06/1999	CLR	---	N	N	
C05.051.065	1CF1FW25-28	CF	10/07/1999	REC	---	Y	N	
C05.051.065A	1CF1FW25-28	CF	10/06/1999	CLR	---	N	N	
C05.051.202	1SM1F-423	SM	09/22/1999	CLR	---	N	N	
C05.051.202A	1SM1F-423	SM	09/23/1999	CLR	---	N	N	
C05.051.205	1SM-5B-C	SM	10/14/1999	CLR	---	N	N	

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C05.051.205A	1SM-5B-C	SM	10/14/1999	CLR	---	N	N	
C05.051.207	1SM5A-D	SM	10/13/1999	CLR	---	N	N	
C05.051.207A	1SM5A-D	SM	10/13/1999	CLR	---	N	N	
C05.051.209	1SM1F-3C	SM	10/07/1999	CLR	---	N	N	
C05.051.209A	1SM1F-3C	SM	10/06/1999	CLR	---	N	N	
C05.051.210	1SM1F-1B	SM	10/02/1999	REC	---	N	N	
C05.051.210A	1SM1F-1B	SM	10/02/1999	CLR	---	N	N	
C05.051.218	1SGB-W138	SM	10/02/1999	REC	---	Y	N	
C05.051.218A	1SGB-W138	SM	10/02/1999	CLR	---	N	N	
C05.051.252	1SV1F-138	SV	10/14/1999	REC	---	Y	N	
C05.051.252A	1SV1F-138	SV	10/14/1999	CLR	---	N	N	
C06.020.008E	1SV-13-1		09/22/1999	CLR	---	N	N	
C06.020.008F	1SV-13-2		09/22/1999	CLR	---	N	N	
D02.020.003	1-MCA-CA-279	CA	07/29/1999	CLR	---	N	N	
D02.020.004	1-MCA-CA-280	CA	07/29/1999	CLR	---	N	N	
D02.020.029	1-MCA-CA-452	CA	07/28/1999	CLR	---	N	N	
D02.020.030	1-MCA-CA-5	CA	07/29/1999	CLR	---	N	N	
D02.020.031	1-MCA-CA-6	CA	07/29/1999	CLR	---	N	N	
D02.020.037	1-MCA-CA-63	CA	07/29/1999	CLR	---	N	N	
D02.020.038	1-MCA-CA-223	CA	07/29/1999	CLR	---	N	N	
D02.020.039	1-MCA-CA-68	CA	07/29/1999	CLR	---	N	N	
D02.020.041	1-MCA-CA-308	CA	07/29/1999	CLR	---	N	N	
D02.020.042	1-MCA-CA-318	CA	07/29/1999	CLR	---	N	N	
D02.020.043	1-MCA-CA-180	CA	07/29/1999	CLR	---	N	N	
D02.020.044	1-MCA-CA-216	CA	07/29/1999	CLR	---	N	N	
D02.020.045	1-MCA-CA-227	CA	07/26/1999	CLR	---	N	N	
D02.020.046	1-MCA-KC-H452	KC	07/29/1999	CLR	---	N	N	
F01.010.014C	1-MCR-NC-572	NC	09/28/1999	CLR	---	N	N	
F01.010.015C	1-MCR-NC-574	NC	10/05/1999	CLR	---	N	N	
F01.010.019C	1-MCR-NC-762	NC	10/11/1999	CLR	---	N	N	
F01.010.020C	1-MCR-NC-766	NC	10/15/1999	CLR	---	N	N	
F01.010.021C	1-MCR-NC-767	NC	10/11/1999	CLR	---	N	N	
F01.010.055C	1-MCR-ND-511	ND	10/05/1999	CLR	---	N	N	
F01.010.114C	1-MCR-NI-589	NI	09/28/1999	REC	---	N	N	
F01.010.117C	1-MCR-NI-616	NI	09/28/1999	CLR	---	N	N	
F01.010.118C	1-MCR-NI-617	NI	09/28/1999	CLR	---	N	N	
F01.010.154C	1-MCR-NV-855		10/05/1999	CLR	---	N	N	

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F01.010.157A	1-MCR-NV-1053		10/05/1999	CLR	---	N	N	
F01.010.158A	1-MCR-NV-1056		09/28/1999	REC	---	N	N	
F01.020.002C	1-MCA-CA-384	CA	07/28/1999	CLR	---	N	N	
F01.020.009C	1-MCA-CA-417	CA	07/28/1999	REC	---	N	N	
F01.020.015C	1-MCR-CA-488	CA	10/05/1999	CLR	---	N	N	
F01.020.053B	1-MCA-CF-171	CF	07/29/1999	CLR	---	N	N	
F01.020.056C	1-MCR-CF-396	CF	10/05/1999	CLR	---	N	N	
F01.020.103C	1-MCA-FW-H132	FW	07/28/1999	CLR	---	N	N	
F01.020.107A	1-MCA-FW-H14	FW	07/28/1999	CLR	---	N	N	
F01.020.108A	1-MCA-FW-H9	FW	07/29/1999	CLR	---	N	N	
F01.020.109A	1-MCA-FW-H3	FW	07/29/1999	CLR	---	N	N	
F01.020.110A	1-MCA-FW-H4	FW	07/29/1999	CLR	---	N	N	
F01.020.111A	1-MCA-FW-H5	FW	07/29/1999	CLR	---	N	N	
F01.020.116C	1-MCA-FW-H134	FW	07/29/1999	CLR	---	N	N	
F01.020.117C	1-MCA-FW-H130	FW	07/29/1999	CLR	---	N	N	
F01.020.159C	1-MCA-ND-070	ND	07/29/1999	CLR	---	N	N	
F01.020.164C	1-MCA-ND-086	ND	07/29/1999	CLR	---	N	N	
F01.020.165C	1-MCA-ND-152	ND	07/29/1999	CLR	---	N	N	
F01.020.166A	1-MCA-ND-157	ND	07/29/1999	CLR	---	N	N	
F01.020.171C	1-MCA-ND-258	ND	07/29/1999	CLR	---	N	N	
F01.020.201C	1-MCA-NI-001	NI	07/29/1999	REC	---	N	N	
F01.020.204C	1-MCA-NI-016	NI	07/29/1999	CLR	---	N	N	
F01.020.210C	1-MCR-NI-556	NI	10/02/1999	CLR	---	N	N	
F01.020.227B	1-MCR-NI-784	NI	09/28/1999	CLR	---	N	N	
F01.020.228C	1-MCR-NI-786	NI	09/28/1999	CLR	---	N	N	
F01.020.269B	1-MCA-NS-114		07/29/1999	CLR	---	N	N	
F01.020.270B	1-MCR-NS-510		09/29/1999	CLR	---	N	N	
F01.020.271A	1-MCR-NS-506		10/13/1999	REC	---	N	N	
F01.020.272B	1-MCR-NS-611		09/29/1999	CLR	---	N	N	
F01.020.273B	1-MCR-NS-602		10/12/1999	CLR	---	N	N	
F01.020.330A	1-MCA-NV-042		07/29/1999	CLR	---	N	N	
F01.020.331A	1-MCA-NV-043		07/29/1999	CLR	---	N	N	
F01.020.332B	1-MCA-NV-048		07/29/1999	CLR	---	N	N	
F01.020.333A	1-MCA-NV-049		07/29/1999	CLR	---	N	N	
F01.020.334A	1-MCA-NV-051		07/29/1999	CLR	---	N	N	
F01.020.335B	1-MCA-NV-053		07/29/1999	CLR	---	N	N	
F01.020.336A	1-MCA-NV-094		07/29/1999	CLR	---	N	N	

ITEM NUMBER	ID NUMBER	SYSTEM	INSP DATE	INSP STATUS	INSP LIMITED	GEO REF	RFR	COMMENTS
F01.020.559C	1-MCA-SM-105	SM	07/28/1999	CLR	---	N	N	
F01.020.654C	1-MCR-VQ-507		10/02/1999	REC	---	N	N	
F01.030.011B	1-MCA-CA-63	CA	07/29/1999	CLR	---	N	N	
F01.030.012A	1-MCA-CA-223	CA	07/29/1999	CLR	---	N	N	
F01.030.013A	1-MCA-CA-68	CA	07/29/1999	CLR	---	N	N	
F01.030.014A	1-MCA-CA-303	CA	07/29/1999	CLR	---	N	N	
F01.030.015A	1-MCA-CA-308	CA	07/29/1999	CLR	---	N	N	
F01.030.016A	1-MCA-CA-318	CA	07/29/1999	CLR	---	N	N	
F01.030.017A	1-MCA-CA-180	CA	07/29/1999	CLR	---	N	N	
F01.030.018A	1-MCA-CA-216	CA	07/29/1999	CLR	---	N	N	
F01.030.019B	1-MCA-CA-227	CA	07/26/1999	CLR	---	N	N	
F01.030.020A	1-MCA-CA-462	CA	07/28/1999	CLR	---	N	N	
F01.030.068B	MC 1683-NV-13-R5		07/29/1999	CLR	---	N	N	
F01.030.069B	MC 1683-NV-49-R1		10/02/1999	CLR	---	N	N	
F01.030.071A	MC 1683-NV-50-R7		07/29/1999	CLR	---	N	N	
F01.030.072A	MC 1683-NV-50-R11		07/29/1999	CLR	---	N	N	
F01.030.105A	1-MCR-KC-556	KC	09/28/1999	REC	---	N	N	
F01.030.106B	1-MCR-KC-561	KC	09/28/1999	CLR	---	N	N	
F01.030.107B	1-MCR-KC-553	KC	09/28/1999	REC	---	N	N	
F01.030.108B	1-MCR-KC-506	KC	09/28/1999	CLR	---	N	N	
F01.030.109A	1-MCA-KC-1039	KC	07/29/1999	CLR	---	N	N	
F01.030.110A	1-MCA-KC-2283	KC	07/29/1999	CLR	---	N	N	
F01.030.113A	1-MCA-KC-H452	KC	07/29/1999	CLR	---	N	N	
F01.030.121B	1-MCR-KC-557	KC	09/28/1999	CLR	---	N	N	
F01.030.126A	1-MCA-KC-2228	KC	10/02/1999	CLR	---	N	N	
F01.030.127B	1-MCA-KC-H328	KC	07/29/1999	CLR	---	N	N	
F01.030.137C	1-MCA-KC-1312	KC	07/29/1999	CLR	---	N	N	
F01.030.160A	1-MCA-LD-171	LD	07/27/1999	CLR	---	N	N	
F01.030.161C	1-MCA-LD-65	LD	07/28/1999	CLR	---	N	N	
F01.030.166B	1-MCA-RN-2026	RN	07/29/1999	CLR	---	N	N	
F01.030.170B	1-MCA-RN-2054	RN	07/29/1999	CLR	---	N	N	
F01.040.004	1PZR-SUPPORT		10/12/1999	CLR	---	N	N	
F01.040.018	1NSP-SUP-1A		07/29/1999	CLR	---	N	N	
F01.040.019	1RCP-SUP		07/29/1999	CLR	---	N	N	
F01.040.020	1CCP-SUP-1A		07/29/1999	CLR	---	N	N	
F01.040.023	1RV-SUPPORT-C	NC	09/22/1999	CLR	---	N	N	
F01.040.024	1RV-SUPPORT-D	NC	09/22/1999	CLR	---	N	N	

ITEM NUMBER	ID NUMBER	SYSTEM	INSP DATE	INSP STATUS	INSP LIMITED	GEO REF	RFR	COMMENTS
F01.040.030	1KDHX-SUP-1A		07/29/1999	CLR	---	N	N	
F01.040.031	1KDC-SUP-1A		07/29/1999	CLR	---	N	N	
F01.040.032	1KDP-SUP-1A		07/29/1999	CLR	---	N	N	
F01.040.037	1CAP-SUP-1A		07/29/1999	CLR	---	N	N	
F01.040.038	1RNST-SUP-1A		07/29/1999	CLR	---	N	N	
G01.001.003	1RCP-1C		09/23/1999	CLR	---	N	N	

5.2 Limited examinations (i.e., 90% or less of the required examination coverage obtained) identified during Outage 6/EOC 13 are shown below. A Request for Relief will be submitted to the NRC for approval. See Section 9.0 of this report for additional information.

Item Number	***Request for Relief Serial Number***
B03.110.003	99-003
B03.120.003	99-003
B03.120.004	99-003
B03.140.003	99-003
B03.140.004	99-003
B05.070.003	99-003
B05.070.004	99-003
C01.020.072	98-002 & 98-003
C01.020.073	98-002 & 98-003
C01.030.010	99-003
C01.030.022	98-002 & 98-003
C01.030.023	98-002 & 98-003
C05.011.220	99-003

6.0 Reportable Indications

Outage 6 /EOC 13 had no reportable indications.

7.0 ***Personnel, Equipment and Material Certifications***

All personnel who performed or evaluated the results of inservice inspections from July 02, 1998 to November 05, 1999 at McGuire Nuclear Station, Unit 1, were certified in accordance with the requirements of 1989 Edition of ASME Section XI with no addenda. The appropriate certification records for each inspector are on file at McGuire Nuclear Station or can be obtained by contacting the Duke Energy's Corporate Office in Charlotte, North Carolina.

Records of periodic calibration of inspection equipment are on file at McGuire Nuclear Station or copies can be obtained by contacting the Duke Energy's Corporate Office in Charlotte, North Carolina.

Records of materials used, (i.e., NDE consumables) are on file at McGuire Nuclear Station or copies can be obtained by contacting the Duke Energy's Corporate Office in Charlotte, North Carolina.

8.0 Corrective Action

No corrective action was required as a result of examinations performed during Outage 6 /EOC 13.

9.0 Reference Documents

The following reference documents apply to the inservice inspection performed during Outage 6/EOC-13 at McGuire Unit 1. A copy of these can be obtained by contacting the ISI Plan Manager at Duke Energy's Corporate Office in Charlotte, North Carolina:

(1) Request for Relief 98-002

(2) Request for Relief 98-003

(3) Request for Relief 99-003

10.0 Class 1 and 2 Repairs and Replacements

As required by ASME Section XI 1989 Edition, no Addenda, a record of (Form NIS-2) the Class 1 and Class 2 Repairs and Replacements for work performed from July 02, 1998 to November 05, 1999 is provided and is included in this section of the report. The individual work request documents are on file at McGuire Nuclear Station.

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

As Required By The Provisions Of The ASME Code Section XI

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

1a. Date January 14, 1999
Sheet 1 of 1

2. Plant Address: McGuire Nuclear Station
12700 Hagers Ferry Road, Huntersville, NC 28078

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

3. Work Performed By: Duke Power Company
Address: 526 S. Church Street, Charlotte NC 28201-1006

3a. Work Order # : 96071240
Repair Organization Job #

Type Code Symbol Stamp: N/A Authorization No. N/A Expiration Date: N/A

3b. NSM or MM #: N/A

4. (a) Identification of System: NC b Reactor Coolant

4. (b) Class of System: A

5. (a) Applicable Construction Code: ASME III 1971 Edition, Summer and Winter Addenda, N/A Code Cases
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements: 1989, No Addenda

6. Identification of Components Repaired or Replaced and Replacement Components:

	Column 1 Name of Component	Column 2 Name of Mfg	Column 3 Mfg Serial No.	Column 4 National Board No.	Column 5 Other Identification	Col 6 Year Built	Column 7 Repaired, Replaced, or Replacement	Column 8 ASME Code Stamped (yes or no)
A	Steam Generator 1B	BWI	769301	146	N/A	1996	☐ Repaired, ☑ Replaced, ☐ Replacement	☐ No ☑ Yes
B							☐ Repaired, ☐ Replaced, ☐ Replacement	☐ No ☐ Yes
C							☐ Repaired, ☐ Replaced, ☐ Replacement	☐ No ☐ Yes
D							☐ Repaired, ☐ Replaced, ☐ Replacement	☐ No ☐ Yes
E							☐ Repaired, ☐ Replaced, ☐ Replacement	☐ No ☐ Yes
F							☐ Repaired, ☐ Replaced, ☐ Replacement	☐ No ☐ Yes

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8 1/2 in. x 11 in. (2) information in items1 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 Manway stud

8. Test 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 _____

(Applicable Manufacturer's Data Records to be attached)

CERTIFICATE OF COMPLIANCE

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

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

Signed FL Grass Jr.,QA Tech Specialist Date 1/4/, 19 99
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 HSBI and I Company of Hartford Connecticut have inspected the components described in this Owner's Report during the period 6-25-98 to 1-21-99; and state that to the best of my 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 the Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection.

_____ Commissions NB7728,NC853,N-I
Inspector's Signature National Board, State, Province and Endorsements

Date 1-21, 1999

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

As Required By The Provisions Of The ASME Code Section XI

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

1a. Date January 14, 1999
Sheet 1 of 1

2. Plant Address: McGuire Nuclear Station
   12700 Hagers Ferry Road, Huntersville, NC 28078

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

3. Work Performed By: Duke Power Company
   Address: 526 S. Church Street, Charlotte NC 28201-1006

3a. Work Order # : 96071243
Repair Organization Job #

Type Code Symbol Stamp: N/A Authorization No. N/A Expiration Date: N/A

3b. NSM or MM #: N/A

4. (a) Identification of System: NC b Reactor Coolant

4. (b) Class of System: A

5. (a) Applicable Construction Code: ASME III 1971 Edition, Summer and Winter Addenda, N/A Code Cases
   (b) Applicable Edition of Section XI Utilized for Repairs or Replacements: 1989, No Addenda

6. Identification of Components Repaired or Replaced and Replacement Components:

	Column 1 Name of Component	Column 2 Name of Mfg	Column 3 Mfg Serial No.	Column 4 National Board No.	Column 5 Other Identification	Col 6 Year Built	Column 7 Repaired, Replaced, or Replacement	Column 8 ASME Code Stamped (yes or no)
A	Steam Generator 1D	BWI	770102	154	N/A	1996	☐ Repaired, ☑ Replaced, ☐ Replacement	☐ No ☑ Yes
B							☐ Repaired, ☐ Replaced, ☐ Replacement	☐ No ☐ Yes
C							☐ Repaired, ☐ Replaced, ☐ Replacement	☐ No ☐ Yes
D							☐ Repaired, ☐ Replaced, ☐ Replacement	☐ No ☐ Yes
E							☐ Repaired, ☐ Replaced, ☐ Replacement	☐ No ☐ Yes
F							☐ Repaired, ☐ Replaced, ☐ Replacement	☐ No ☐ Yes

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8 1/2 in. x 11 in. (2) information in items1 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 Manway stud

8. Test 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 _____

(Applicable Manufacturer's Data Records to be attached)

CERTIFICATE OF COMPLIANCE

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

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

Signed FL Grass Jr.,QA Tech Specialist Date 1/14/, 19 99
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 HSBI and I Company of Hartford Connecticut have inspected the components described in this Owner's Report during the period 6-25-98 to 1-21-99; and state that to the best of my 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 the Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection.

Inspector's Signature Commissions NB7728 NC853, N-I
National Board, State, Province and Endorsements

Date 1-21, 1999

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

As Required By The Provisions Of The ASME Code Section XI

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

1a. Date August 11, 1998
Sheet 1 of 1

2. Plant Address: McGuire Nuclear Station
12700 Hagers Ferry Road, Huntersville, NC 28078

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

3. Work Performed By: Duke Power Company
Address: 526 S. Church Street, Charlotte NC 28201-1006

3a. Work Order # : 97037871
Repair Organization Job #

Type Code Symbol Stamp: N/A Authorization No. N/A Expiration Date: N/A

3b. NSM or MM #: N/A

4. (a) Identification of System: NC - Reactor Coolant

4. (b) Class of System: A

5. (a) Applicable Construction Code: ASME III 1971 Edition, Summer and Winter Addenda, N/A Code Cases
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements: 1989, No Addenda

6. Identification of Components Repaired or Replaced and Replacement Components:

	Column 1 Name of Component	Column 2 Name of Mfg	Column 3 Mfg Serial No.	Column 4 National Board No.	Column 5 Other Identification	Col 6 Year Built	Column 7 Repaired, Replaced, or Replacement	Column 8 ASME Code Stamped (yes or no)
A	1-MCR-NC-680	Duke Power	N/A	N/A	N/A	N/A	☐ Repaired, ☐ Replaced, ☑ Replacement	☑No ☐ Yes
B							☐ Repaired, ☐ Replaced, ☐ Replacement	☐ No ☐ Yes
C							☐ Repaired, ☐ Replaced, ☐ Replacement	☐ No ☐ Yes
D							☐ Repaired, ☐ Replaced, ☐ Replacement	☐ No ☐ Yes
E							☐ Repaired, ☐ Replaced, ☐ Replacement	☐ No ☐ Yes
F							☐ Repaired, ☐ Replaced, ☐ Replacement	☐ No ☐ Yes

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8 1/2 in. x 11 in. (2) information in items1 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 rod

8. Test 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 _____

(Applicable Manufacturer's Data Records to be attached)

CERTIFICATE OF COMPLIANCE

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

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

Signed FL Grass Jr.,QA Tech Specialist Date 8/14, 19 98
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 HSBI and I Company of Hartford Connecticut have inspected the components described in this Owner's Report during the period 6-26-98 to 8-12-98; and state that to the best of my 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 the Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection.

Inspector's Signature

Commissions NB7728,NC853,N-I
National Board, State, Province and Endorsements

Date 8-12, 1998

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

As Required By The Provisions Of The ASME Code Section XI

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

1a. Date 08/06/98

Sheet 1 of 1

2. Plant Address: Mcguire Nuclear Station
   12700 Hagers Ferry Road, Huntersville, NC 28078

2a. Unit: ☒ 1 ☐ 2 ☐ 3 ☐ Shared (specify units) _____

3. Work Performed By: Duke Power Company

3a. Work Order # 97109258
Repair Organization Job #

Address: 526 S. Church Street, Charlotte, NC 28201-1006

Type Code Symbol Stamp: N/A Authorization No. N/A Expiration Date: N/A

3b. NSM or MM # N/A

4. (a) Identification of System: NI

4. (b) Class of System: A

5. (a) Applicable Construction Code: ASME III 1971 Edition, Summer and Winter Addenda, N/A Code Cases

(b) Applicable Edition of Section XI Utilizing for Repairs or Replacements: 1989, No Addenda

6. Identification of Components Repaired or Replaced and Replacement Components:

	Column 1	Column 2	Column 3	Column 4	Column 5	Col. 6	Column 7	Column 8
	Name of Component	Name of Mfg.	Mfg. Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (yes or no)
A	VALVE	ATWOOD & MORRILL	4-154-36-02	372	1NI-70	1986	☐ Repaired, ☐ Replaced, ☒ Replacement	☐ No ☒ Yes
B							☐ Repaired, ☐ Replaced, ☐ Replacement	☐ No ☐ Yes
C							☐ Repaired, ☐ Replaced, ☐ Replacement	☐ No ☐ Yes
D							☐ Repaired, ☐ Replaced, ☐ Replacement	☐ No ☐ Yes
E							☐ Repaired, ☐ Replaced, ☐ Replacement	☐ No ☐ Yes
F							☐ Repaired, ☐ Replaced, ☐ Replacement	☐ No ☐ Yes

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

7. Description of work : REPLACED DISC

8. Test 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 :

(Applicable Manufacturer's Data Records to be attached)

CERTIFICATE OF COMPLIANCE

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

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

Signed F.R. Sorrow Exec. Supp. F R Sorrow Date 08/06 19 98
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Providence of North Carolina and employed by HSBI and I Company of Hartford Connecticut have inspected the components described in this Owner's Report during the period 6-8-98 to 8-6-98 ; and state that to the best of my 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 the 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 R D Klein Commissions NB7728, NC853, N-I
Inspector's Signature National Board, State, Providence and Endorsements

Date 8-6, 19 98

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

As Required By The Provisions Of The ASME Code Section XI

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

1a. Date 08/03/98

Sheet 1 of 1

2. Plant Address: Mcguire Nuclear Station
   12700 Hagers Ferry Road, Huntersville, NC 28078

2a. Unit: ☒ 1 ☐ 2 ☐ 3 ☐ Shared (specify units) _____

3. Work Performed By: Duke Power Company

3a. Work Order # 97109259
Repair Organization Job #

Address: 526 S. Church Street, Charlotte, NC 28201-1006

Type Code Symbol Stamp: N/A Authorization No. N/A Expiration Date: N/A

3b. NSM or MM # N/A

4. (a) Identification of System: NI

4. (b) Class of System: A

5. (a) Applicable Construction Code: ASME III 1971 Edition, Summer and Winter Addenda, N/A Code Cases

(b) Applicable Edition of Section XI Utilizing for Repairs or Replacements: 1989, No Addenda

6. Identification of Components Repaired or Replaced and Replacement Components:

	Column 1	Column 2	Column 3	Column 4	Column 5	Col. 6	Column 7	Column 8
	Name of Component	Name of Mfg.	Mfg. Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (yes or no)
A	VALVE	ATWOOD & MORRILL	4-15436-01	366	1NI-71	1986	☐ Repaired, ☐ Replaced, ☒ Replacement	☐ No ☒ Yes
B							☐ Repaired, ☐ Replaced, ☐ Replacement	☐ No ☐ Yes
C							☐ Repaired, ☐ Replaced, ☐ Replacement	☐ No ☐ Yes
D							☐ Repaired, ☐ Replaced, ☐ Replacement	☐ No ☐ Yes
E							☐ Repaired, ☐ Replaced, ☐ Replacement	☐ No ☐ Yes
F							☐ Repaired, ☐ Replaced, ☐ Replacement	☐ No ☐ Yes

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

7. Description of work : REPLACED (2) STUDS AND (1) NUT ON BONNET TO BODY CONNECTION

8. Test 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 :

(Applicable Manufacturer's Data Records to be attached)

CERTIFICATE OF COMPLIANCE

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

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

Signed F.R. Sorrow Exec. Supp. F R Sorrow Date 08/03 19 98
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Providence of North Carolina and employed by HSBI and I Company of Hartford Connecticut have inspected the components described in this Owner's Report during the period 7-27-98 to 8-3-98 ; and state that to the best of my 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 the 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 R D Klein Commissions NB7728, NC853, N-I
Inspector's Signature National Board, State, Providence and Endorsements

Date 8-3, 1998

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

As Required By The Provisions Of The ASME Code Section XI

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

1a. Date 09/01/98

Sheet 1 of 1

2. Plant Address: Mcguire Nuclear Station
   12700 Hagers Ferry Road, Huntersville, NC 28078

2a. Unit: ☒ 1 ☐ 2 ☐ 3 ☐ Shared (specify units) _____

3. Work Performed By: Duke Power Company

3a. Work Order # 98057646/01
Repair Organization Job #

Address: 526 S. Church Street, Charlotte, NC 28201-1006

Type Code Symbol Stamp: N/A Authorization No. N/A Expiration Date: N/A

3b. NSM or MM # N/A

4. (a) Identification of System: NV

4. (b) Class of System: A

5. (a) Applicable Construction Code: ASME III 1971 Edition, Summer and Winter Addenda, N/A Code Cases

(b) Applicable Edition of Section XI Utilizing for Repairs or Replacements: 1989, No Addenda

6. Identification of Components Repaired or Replaced and Replacement Components:

	Column 1	Column 2	Column 3	Column 4	Column 5	Col. 6	Column 7	Column 8
	Name of Component	Name of Mfg.	Mfg. Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (yes or no)
A	VALVE	KEROTEST	EE9-5	7520	1NV-79	1975	☐ Repaired, ☐ Replaced, ☒ Replacement	☐ No ☒ Yes
B							☐ Repaired, ☐ Replaced, ☐ Replacement	☐ No ☐ Yes
C							☐ Repaired, ☐ Replaced, ☐ Replacement	☐ No ☐ Yes
D							☐ Repaired, ☐ Replaced, ☐ Replacement	☐ No ☐ Yes
E							☐ Repaired, ☐ Replaced, ☐ Replacement	☐ No ☐ Yes
F							☐ Repaired, ☐ Replaced, ☐ Replacement	☐ No ☐ Yes

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

7. Description of work : REPLACED VALVE DISC.

8. Test 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 :

(Applicable Manufacturer's Data Records to be attached)

CERTIFICATE OF COMPLIANCE

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

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

Signed F.R. Sorrow Exec. Supp. Date 09/01 19 98
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Providence of North Carolina and employed by HSBI and I Company of Hartford Connecticut have inspected the components described in this Owner's Report during the period 6-22-98 to 9-2-98 ; and state that to the best of my 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 the 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 9-2, 1998

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

As Required By The Provisions Of The ASME Code Section XI

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

1a. Date 09/01/98

Sheet 1 of 1

2. Plant Address: Mcguire Nuclear Station
   12700 Hagers Ferry Road, Huntersville, NC 28078

2a. Unit: ☒ 1 ☐ 2 ☐ 3 ☐ Shared (specify units) _____

3. Work Performed By: Duke Power Company

3a. Work Order # 98057648/01
Repair Organization Job #

Address: 526 S. Church Street, Charlotte, NC 28201-1006

Type Code Symbol Stamp: N/A Authorization No. N/A Expiration Date: N/A

3b. NSM or MM # N/A

4. (a) Identification of System: NV

4. (b) Class of System: A

5. (a) Applicable Construction Code: ASME III 1971 Edition, Summer and Winter Addenda, N/A Code Cases

(b) Applicable Edition of Section XI Utilizing for Repairs or Replacements: 1989, No Addenda

6. Identification of Components Repaired or Replaced and Replacement Components:

	Column 1	Column 2	Column 3	Column 4	Column 5	Col. 6	Column 7	Column 8
	Name of Component	Name of Mfg.	Mfg. Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (yes or no)
A	VALVE	KEROTEST	MA2-6	7925	1NV-813	1975	☐ Repaired, ☐ Replaced, ☒ Replacement	☐ No ☒ Yes
B							☐ Repaired, ☐ Replaced, ☐ Replacement	☐ No ☐ Yes
C							☐ Repaired, ☐ Replaced, ☐ Replacement	☐ No ☐ Yes
D							☐ Repaired, ☐ Replaced, ☐ Replacement	☐ No ☐ Yes
E							☐ Repaired, ☐ Replaced, ☐ Replacement	☐ No ☐ Yes
F							☐ Repaired, ☐ Replaced, ☐ Replacement	☐ No ☐ Yes

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

7. Description of work : REPLACED VALVE DISC.

8. Test 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 :

(Applicable Manufacturer's Data Records to be attached)

CERTIFICATE OF COMPLIANCE

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

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

Signed F.R. Sorrow Exec. Supp. Date 09/01 19 98
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Providence of North Carolina and employed by HSBI and I Company of Hartford Connecticut have inspected the components described in this Owner's Report during the period 6-22-98 to 9-2-98 ; and state that to the best of my 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 the 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 9-2, 1998

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

As Required By The Provisions Of The ASME Code Section XI

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

1a. Date October 20, 1999
Sheet 1 of 1

2. Plant Address: McGuire Nuclear Station
12700 Hagers Ferry Road, Huntersville, NC 28078

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

3. Work Performed By: Duke Power Company
Address: 526 S. Church Street, Charlotte NC 28201-1006

3a. Work Order # : 98143666
Repair Organization Job #

Type Code Symbol Stamp: N/A Authorization No. N/A Expiration Date: N/A

3b. NSM or MM #: N/A

4. (a) Identification of System: NC - Reactor Coolant

4. (b) Class of System: A

5. (a) Applicable Construction Code: ASME III 1971 Edition, Summer and Winter Addenda, N/A Code Cases
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements: 1989, No Addenda (1992 through 1992 Addenda for Class MC and CC and their supports)

6. Identification of Components Repaired or Replaced and Replacement Components:

	Column 1 Name of Component	Column 2 Name of Mfg	Column 3 Mfg Serial No.	Column 4 National Board No.	Column 5 Other Identification	Col 6 Year Built	Column 7 Repaired, Replaced, or Replacement	Column 8 ASME Code Stamped (yes or no)
A	1B Steam Generator	B&W	7693-01	146	PO# C23355	1996	☐ Repaired, ☐ Replaced, ☑ Replacement	☐ No ☑ Yes
B							☐ Repaired, ☐ Replaced, ☐ Replacement	☐ No ☐ Yes
C							☐ Repaired, ☐ Replaced, ☐ Replacement	☐ No ☐ Yes
D							☐ Repaired, ☐ Replaced, ☐ Replacement	☐ No ☐ Yes
E							☐ Repaired, ☐ Replaced, ☐ Replacement	☐ No ☐ Yes
F							☐ Repaired, ☐ Replaced, ☐ Replacement	☐ No ☐ Yes

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8 1/2 in. x 11 in. (2) information in items1 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 five studs (#3, 9, 10, 13 Hot Leg & #19 Cold Leg)

8. Test 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 _____

(Applicable Manufacturer's Data Records to be attached)

CERTIFICATE OF COMPLIANCE

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

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

Signed FL Grass Jr., QA Tech Specialist Date 10/20/99
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 HSBI and I Company of Hartford Connecticut have inspected the components described in this Owner's Report during the period 10-5-99 to 10-22-99; and state that to the best of my 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 the 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 10-22, 1999

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

As Required By The Provisions Of The ASME Code Section XI

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

1a. Date October 20, 1999

Sheet 1 of 1

2. Plant Address: McGuire Nuclear Station
12700 Hagers Ferry Road, Huntersville, NC 28078

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

3. Work Performed By: Duke Power Company
Address: 526 S. Church Street, Charlotte NC 28201-1006

3a. Work Order # : 98143668
Repair Organization Job #

Type Code Symbol Stamp: N/A Authorization No. N/A Expiration Date: N/A

3b. NSM or MM #: N/A

4. (a) Identification of System: NC - Reactor Coolant

4. (b) Class of System: A

5. (a) Applicable Construction Code: ASME III 1971 Edition, Summer and Winter Addenda, _____ Code Cases
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements: 1989, No Addenda (1992 through 1992 Addenda for Class MC and CC and their supports)

6. Identification of Components Repaired or Replaced and Replacement Components:

	Column 1 Name of Component	Column 2 Name of Mfg	Column 3 Mfg Serial No.	Column 4 National Board No.	Column 5 Other Identification	Col 6 Year Built	Column 7 Repaired, Replaced, or Replacement	Column 8 ASME Code Stamped (yes or no)
A	1D Steam Generator	B&W	7701-02	154	PO# C23355	1996	☐ Repaired, ☐ Replaced, ☑ Replacement	☐ No ☑ Yes
B							☐ Repaired, ☐ Replaced, ☐ Replacement	☐ No ☐ Yes
C							☐ Repaired, ☐ Replaced, ☐ Replacement	☐ No ☐ Yes
D							☐ Repaired, ☐ Replaced, ☐ Replacement	☐ No ☐ Yes
E							☐ Repaired, ☐ Replaced, ☐ Replacement	☐ No ☐ Yes
F							☐ Repaired, ☐ Replaced, ☐ Replacement	☐ No ☐ Yes

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8 1/2 in. x 11 in. (2) information in items1 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 #3 Cold Leg Stud

8. Test 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 _____

(Applicable Manufacturer's Data Records to be attached)

CERTIFICATE OF COMPLIANCE

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

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

Signed FL Grass Jr., QA Tech Specialist Date 10/20/, 99
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 HSBI and I Company of Hartford Connecticut have inspected the components described in this Owner's Report during the period 10-5-99 to 10-22-99; and state that to the best of my 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 the 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 10-22, 1999

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

As Required By The Provisions Of The ASME Code Section XI

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

1a. Date October 21, 1999
Sheet 1 of 1

2. Plant Address: McGuire Nuclear Station
12700 Hagers Ferry Road, Huntersville, NC 28078

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

3. Work Performed By: Duke Power Company
Address: 526 S. Church Street, Charlotte NC 28201-1006

3a. Work Order # : 98169852
Repair Organization Job #

Type Code Symbol Stamp: N/A Authorization No. N/A Expiration Date: N/A

3b. NSM or MM #: N/A

4. (a) Identification of System: NC - Reactor Coolant

4. (b) Class of System: A

5. (a) Applicable Construction Code: ASME III 1971 Edition, Summer and Winter Addenda, N/A Code Cases
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements: 1989, No Addenda (1992 through 1992 Addenda for Class MC and CC and their supports)

6. Identification of Components Repaired or Replaced and Replacement Components:

	Column 1 Name of Component	Column 2 Name of Mfg	Column 3 Mfg Serial No.	Column 4 National Board No.	Column 5 Other Identification	Col 6 Year Built	Column 7 Repaired, Replaced, or Replacement	Column 8 ASME Code Stamped (yes or no)
A	1-MCR-NC-0685	Duke Power	3129	N/A	N/A	N/A	☐ Repaired, ☐ Replaced, ☑ Replacement	☑No ☐ Yes
B							☐ Repaired, ☐ Replaced, ☐ Replacement	☐ No ☐ Yes
C							☐ Repaired, ☐ Replaced, ☐ Replacement	☐ No ☐ Yes
D							☐ Repaired, ☐ Replaced, ☐ Replacement	☐ No ☐ Yes
E							☐ Repaired, ☐ Replaced, ☐ Replacement	☐ No ☐ Yes
F							☐ Repaired, ☐ Replaced, ☐ Replacement	☐ No ☐ Yes

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8 1/2 in. x 11 in. (2) information in items1 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 Pivot Pin

8. Test 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 _____

(Applicable Manufacturer's Data Records to be attached)

CERTIFICATE OF COMPLIANCE

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

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

Signed FL Grass Jr., QA Tech Specialist Date 10/21/99
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 HSBI and I Company of Hartford Connecticut have inspected the components described in this Owner's Report during the period 10-15-99 to 10-22-99 and state that to the best of my 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 the 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 10-22-1999

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

As Required By The Provisions Of The ASME Code Section XI

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

1a. Date October 17, 1999
Sheet 1 of 1

2. Plant Address: McGuire Nuclear Station
12700 Hagers Ferry Road, Huntersville, NC 28078

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

3. Work Performed By: Duke Power Company
Address: 526 S. Church Street, Charlotte NC 28201-1006

3a. Work Order # : 98205011
Repair Organization Job #

Type Code Symbol Stamp: N/A Authorization No. N/A Expiration Date: N/A

3b. NSM or MM #: MM-11267

4. (a) Identification of System: NV - Chemical Volume and Control

4. (b) Class of System: A

5. (a) Applicable Construction Code: ASME III 1971 Edition, Summer and Winter Addenda, N/A _____ Code Cases
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements: 1989, No Addenda (1992 through 1992 Addenda for Class MC and CC and their supports)

6. Identification of Components Repaired or Replaced and Replacement Components:

	Column 1 Name of Component	Column 2 Name of Mfg	Column 3 Mfg Serial No.	Column 4 National Board No.	Column 5 Other Identification	Col 6 Year Built	Column 7 Repaired, Replaced, or Replacement	Column 8 ASME Code Stamped (yes or no)
A	1-MCR-NV-1293	Duke Power	8943	N/A	N/A	N/A	☐ Repaired, ☑ Replaced, ☐ Replacement	☑No ☐ Yes
B	1-MCR-NV-1293	Duke Power	61257 / 49	N/A	N/A	N/A	☐ Repaired, ☐ Replaced, ☑Replacement	☑No ☐ Yes
C							☐ Repaired, ☐ Replaced, ☐ Replacement	☐ No ☐ Yes
D							☐ Repaired, ☐ Replaced, ☐ Replacement	☐ No ☐ Yes
E							☐ Repaired, ☐ Replaced, ☐ Replacement	☐ No ☐ Yes
F							☐ Repaired, ☐ Replaced, ☐ Replacement	☐ No ☐ Yes

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8 1/2 in. x 11 in. (2) information in items1 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. Test 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 _____

(Applicable Manufacturer's Data Records to be attached)

CERTIFICATE OF COMPLIANCE

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

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

Signed FL Grass Jr., QA Tech Specialist Date 10/17/, 99
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 HSBI and I Company of Hartford Connecticut have inspected the components described in this Owner's Report during the period 10-15-99 to 10-20-99; and state that to the best of my 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 the 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 10-20 99

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

As Required By The Provisions Of The ASME Code Section XI

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

1a. Date October 28, 1999
Sheet 1 of 1

2. Plant Address: McGuire Nuclear Station
12700 Hagers Ferry Road, Huntersville, NC 28078

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

3. Work Performed By: Duke Power Company
Address: 526 S. Church Street, Charlotte NC 28201-1006

3a. Work Order # : 98211002
Repair Organization Job #

Type Code Symbol Stamp: N/A Authorization No. N/A Expiration Date: N/A

3b. NSM or MM #: N/A

4. (a) Identification of System: NC - Reactor Coolant

4. (b) Class of System: A

5. (a) Applicable Construction Code: ASME III 1971 Edition, Summer and Winter Addenda, N/A Code Cases
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements: 1989, No Addenda (1992 through 1992 Addenda for Class MC and CC and their supports)

6. Identification of Components Repaired or Replaced and Replacement Components:

	Column 1 Name of Component	Column 2 Name of Mfg	Column 3 Mfg Serial No.	Column 4 National Board No.	Column 5 Other Identification	Col 6 Year Built	Column 7 Repaired, Replaced, or Replacement	Column 8 ASME Code Stamped (yes or no)
A	1-MCR-NC-0680	Duke Power	N/A	N/A	N/A	N/A	☐ Repaired, ☑ Replaced, ☐ Replacement	☑No ☐ Yes
B							☐ Repaired, ☐ Replaced, ☐ Replacement	☐ No ☐ Yes
C							☐ Repaired, ☐ Replaced, ☐ Replacement	☐ No ☐ Yes
D							☐ Repaired, ☐ Replaced, ☐ Replacement	☐ No ☐ Yes
E							☐ Repaired, ☐ Replaced, ☐ Replacement	☐ No ☐ Yes
F							☐ Repaired, ☐ Replaced, ☐ Replacement	☐ No ☐ Yes

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8 1/2 in. x 11 in. (2) information in items1 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 bent rod

8. Test 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 _____

(Applicable Manufacturer's Data Records to be attached)

CERTIFICATE OF COMPLIANCE

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

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

Signed FL Grass Jr., QA Tech Specialist Date 10/28/ 99
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 HSBI and I Company of Hartford Connecticut have inspected the components described in this Owner's Report during the period 10-28-99 to 10-29-99; and state that to the best of my 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 the 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 10-29-1999

8R16

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

As Required By The Provisions Of The ASME Code Section XI

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

1a. Date 07/29/98

Sheet 1 of 1

2. Plant Address: Mcguire Nuclear Station
   12700 Hagers Ferry Road, Huntersville, NC 28078

2a. Unit: ☒ 1 ☐ 2 ☐ 3 ☐ Shared (specify units) _____

3. Work Performed By: Duke Power Company

3a. Work Order # 96065221 ✓
Repair Organization Job #

Address: 526 S. Church Street, Charlotte, NC 28201-1006

Type Code Symbol Stamp: N/A Authorization No. N/A Expiration Date: N/A

3b. NSM or MM # N/A

4. (a) Identification of System: NM

4. (b) Class of System: B

5. (a) Applicable Construction Code: ASME III 1971 Edition, Summer and Winter Addenda, N/A Code Cases

(b) Applicable Edition of Section XI Utilizing for Repairs or Replacements: 1989, No Addenda

6. Identification of Components Repaired or Replaced and Replacement Components:

	Column 1	Column 2	Column 3	Column 4	Column 5	Col. 6	Column 7	Column 8
	Name of Component	Name of Mfg.	Mfg. Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (yes or no)
A	VALVE	DRESSER	TJ17695	1952	1NM-92	1992	☐ Repaired, ☒ Replaced, ☐ Replacement	☐ No ☒ Yes
B	VALVE	DRESSER	TK61806	1966	1NM-92	1995	☐ Repaired, ☐ Replaced, ☒ Replacement	☒ No ☐ Yes
C							☐ Repaired, ☐ Replaced, ☐ Replacement	☐ No ☐ Yes
D							☐ Repaired, ☐ Replaced, ☐ Replacement	☐ No ☐ Yes
E							☐ Repaired, ☐ Replaced, ☐ Replacement	☐ No ☐ Yes
F							☐ Repaired, ☐ Replaced, ☐ Replacement	☐ No ☐ Yes

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

7. Description of work : REPLACED VALVE WITH LIKE KIND

8. Test 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 :

(Applicable Manufacturer's Data Records to be attached)

CERTIFICATE OF COMPLIANCE

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

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

Signed F.R. Sorrow Exec. Supp. F R Sorrow Date 07/29 19 98
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Providence of North Carolina and employed by HSBI and I Company of Hartford Connecticut have inspected the components described in this Owner's Report during the period 6-29-98 to 7-30-98 ; and state that to the best of my 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 the 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 R D Klein Commissions NB7728, NC853, N-I
Inspector's Signature
National Board, State, Providence and Endorsements

Date 7-30, 1998

FORM NV-1 CERTIFICATE HOLDERS' DATA REPORT FOR PRESSURE OR VACUUM RELIEF VALVES*

As Required by the Provisions of the ASME Code, Section III, Division 1 Pg. 1 of 2

1. Manufactured and certified by DRESSER INDUSTRIAL VALVE OPERATIONS, DRESSER INDUSTRIES P.O. BOX 1430, HWY. 71 NORTH @ 3225, ALEXANDRIA, LA 71301 (name and address of NV Certificate Holder)
2. Manufactured for Duke Power Company P. O. Box 1015 Charlotte, NC 28201-1015 (name and address of Purchaser)
3. Location of installation Duke Power Co. McGuire Site, 13225 Hagers Ferry Rd. Huntsville, NC 28708 (name and address)
4. Valve 1910-30F/S4 (model no., series no.) Orifice size 0.674 (in.) Nom. inlet size 1-1/2" (in.) Outlet size 2" (in.)
5. ASME Code, Section III, Division 1: 1971 (edition) Summer 1973 (addenda date) 2 (class) N/A (Code Case no.)
6. Type Safety Relief (spring, pilot or power operated) 150 (set pressure, psig) N/A (blowdown, %) 200Deg. F (rated temp.) **See Below (Hydro. test, psig, inlet) at Sat. °F
7. Identification TK-61806 (Cert. Holder's serial no.) N/A (CRN) 3NC3135 (drawing no.) 1966 (Nat'l. Bd. no.) 1995 (year built)
8. Control ring settings -10 Notches
9. Pressure retaining items:

	Serial No. or Identification	Mat'l. Spec., Including Type or Grade	Tensile Strength
Body	ACR72	SA351 Gr. CF8M	70 KSI
Bonnet or Yoke	ACR65	SA351 Gr. CF8M	70 KSI
Support Rods			
Nozzle	ACR49	SA182 Gr. F316	75 KSI
Disk	ACR33	SA479 Type 316	75 KSI
Spring Washers			
Adjusting Screws			
Spindle			
Spring			
Bolting Stud Nut	Ht. No. AAS	SA194 Gr. 6	
Other Items Stud	Ht. No. 1PQ	SA453 Gr. 660 Cond. B	95 KSI

10. Relieving capacity 2627 lb/hr. steam (steam or fluid, lb/hr) @ 15 (psi) overpressure as certified by the National Board 10/11/54 (date)
11. Remarks: ** Base - 450 PSIG
Bonnet - 1125 PSIG
Nozzle - 4500 PSIG
Disc - 4500 PSIG

CERTIFICATION OF DESIGN

Design Specification certified by R. E. Miller P.E. State N.C. Reg. no. 4860

Design Report certified by _____ P.E. State _____ Reg. no. _____

CERTIFICATE OF COMPLIANCE

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

NV Certificate of Authorization No. N1747 Expires May 20, 1998

Date 10/30/95 Name SEE ITEM 1. ABOVE (NV Certificate Holder) Signed _____ (authorized representative)

* Supplemental information in form of lists, sketches, or drawings may be used provided (1) size is 8½ × 11, (2) information in Items 1 through 4 on this Data Report is included on each sheet, (3) each sheet is numbered and the number of sheets is recorded at the top of this form.

FORM NV-1 (Back 2 Pg. 2 of 2)

Certificate Holder's Serial No. TK-61806

CERTIFICATE OF INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Louisiana and employed by H.S.B.I. & I Company of Hartford, CT have inspected the valve described in this Data Report on 10/30/06, and state that to the best of my knowledge and belief, the Certificate Holder has constructed this valve in accordance with the ASME Code, Section III, Division 1.

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

Date 11/30/06 Signed [signature] [Authorized Inspector] Commissions NB7779 A N W LA6064 [Nat'l. Bd. (incl. endorsements) and state or prov. and no.]

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

As Required By The Provisions Of The ASME Code Section XI

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

1a. Date 10/7/99

Sheet 1 of 1

2. Plant Address: Mcguire Nuclear Station
   12700 Hagers Ferry Road, Huntersville, NC 28078

2a. Unit: ☒ 1 ☐ 2 ☐ 3 ☐ Shared (specify units) _____

3. Work Performed By: Duke Power Company

3a. Work Order # 97066845-08
Repair Organization Job #

Address: 526 S. Church Street, Charlotte, NC 28201-1006

Type Code Symbol Stamp: N/A Authorization No. N/A Expiration Date: N/A

3b. NSM or MM # 9421

4. (a) Identification of System: BW (S.G. WET LAYUP RECIRC.) 4. (b) Class of System: B

5. (a) Applicable Construction Code: ASME III 1971 Edition, Summer and Winter Addenda, N-416-1 Code Cases

(b) Applicable Edition of Section XI Utilizing for Repairs or Replacements: 1989, No Addenda (1992 through 1992 Addenda for Class MC and CC and their supports)

6. Identification of Components Repaired or Replaced and Replacement Components:

	Column 1	Column 2	Column 3	Column 4	Column 5	Col. 6	Column 7	Column 8
	Name of Component	Name of Mfg.	Mfg. Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (yes or no)
A	1 BW VALVE 003	BORG WARNER	11943	324	N/A	1976	☐ Repaired, ☒ Replaced, ☐ Replacement	☐ No ☒ Yes
B	1 BW VALVE 003	ANCHOR DARLING	E1581-63-9	1068	N/A	1988	☐ Repaired, ☐ Replaced, ☒ Replacement	☐ No ☒ Yes
C							☐ Repaired, ☐ Replaced, ☐ Replacement	☐ No ☐ Yes
D							☐ Repaired, ☐ Replaced, ☐ Replacement	☐ No ☐ Yes
E							☐ Repaired, ☐ Replaced, ☐ Replacement	☐ No ☐ Yes
F							☐ Repaired, ☐ Replaced, ☐ Replacement	☐ No ☐ Yes

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

7. Description of work : REPLACE BW 3 VALVE

8. Test Conducted : Hydrostatic ☐ Pneumatic ☐ Nom. Operating Press. ☒ Other ☐ Exempt ☐

Pressure	1089	psig	Test Temp	72.2	°F
Pressure		psig	Test Temp		°F
Pressure		psig	Test Temp		°F

9. Remarks :

(Applicable Manufacturer's Data Records to be attached)

CERTIFICATE OF COMPLIANCE

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

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

Signed E. P. Robinson Exec. Supp. E P Robinson Date 11/4 19 99
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 HSBI and I Company of Hartford Connecticut have inspected the components described in this Owner's Report during the period 7-20-99 to 11-4-99 ; and state that to the best of my 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 the 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 R D Klein Commissions NB7728, NC853, N-I
Inspector's Signature National Board, State, Province and Endorsements

Date 11-4, 1999

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

Pg. ____ of ____

1. Manufactured and certified by Anchor/Darling Valve Co., 701 First St., Williamsport, PA 17701
(name and address of N Certificate Holder)

2. Manufactured for Mill Power Supply Co., P.O. Box 32307, Charlotte, NC 28232-2307
(name and address of Purchaser or Owner)

3. Location of installation Catawba Nuclear Station, SC Highway 274, Newport, SC 29716
(name and address)

4. Model No., Series No., or Type DD Gate Drawing W8722680 Rev. B CRN N/A

5. ASME Code, Section III, Division 1: 1980 (edition) Summer 1980 (addenda date) 2 (class) N/A (Code Case no.)

6. Pump or valve Valve Nominal inlet size 2" (in.) Outlet size 2" (in.)

7. Material: Body SA216-WCB Bonnet SA216-WCB Disk AMS-5387A Bolting N/A

(a) Cert. Holder's Serial No.	(b) Nat'l Board No.	(c) Body Serial No.	(d) Bonnet Serial No.	(e) Disk Serial No.
E1581-63-1	1060	1516 ✓	1578 ✓	N/A
E1581-63-2	1061	1515 ✓	1572 ✓	N/A
E1581-63-3	1062	1514 ✓	1567 ✓	N/A
E1581-63-4	1063	1513 ✓	1562 ✓	N/A
E1581-63-5	1064	1528 ✓	1552 ✓	N/A
E1581-63-6	1065	1527 ✓	1547 ✓	N/A
1EW12→ E1581-63-7	1066	1526 ✓	1542 ✓	N/A
E1581-63-8	1067	1525 ✓	1577 ✓	N/A
1BW3→ E1581-63-9	1068	1524 ✓	1571 ✓	N/A
E1581-63-10	1069	1523 ✓	1540 ✓	N/A
E1581-63-11	1070	1522 ✓	1546 ✓	N/A
E1581-63-12	1071	1521 ✓	1551 ✓	N/A
E1581-63-13	1072	1517 ✓	1556 ✓	N/A
E1581-63-14	1073	1518 ✓	1557 ✓	N/A
E1581-63-15	1074	1519 ✓	1561 ✓	N/A
E1581-63-16	1075	1520 ✓	1566 ✓	N/A
E1581-63-17	1076	1673 ✓	1558 ✓	N/A
E1581-63-18	1077	1672 ✓	1553 ✓	N/A
E1581-63-19	1078	1669 ✓	1563 ✓	N/A
E1581-63-20	1079	1670 ✓	1543 ✓	N/A

* Supplemental information in form of lists, sketches, or drawings may be used provided (1) size is 8½ x 11, (2) information in items 1 through 4 on this Data Report is included on each sheet, (3) each sheet is numbered and the number of sheets is recorded at the top of this form.

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

FORM NPV-1 (back)

8. Remarks for 2"-1700#-DD Gate Valve w/10" Tee Handle (06J-336)

9. Design conditions 3043 (pressure) psi 650 (temperature) °F or Valve pressure class 1700 (1)

10. Cold working pressure 4198 psi at 100°F

11. Hydrostatic test 6300 psi. Disk differential test pressure 4618 psi

CERTIFICATION OF DESIGN

Design Specification certified by Daniel G. Gardner P.E. State SC Reg. no. 8234

Design Report certified by N/A P.E. State N/A Reg. no. N/A

CERTIFICATE OF SHOP COMPLIANCE

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

N Certificate of Authorization No. N1712 Expires 4/15/89

Date 6/27/88 Name Anchor/Darling Valve Co. (N Certificate Holder) Signed (authorized representative)

CERTIFICATE OF SHOP INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State ~~xxxxxxxxx~~ Pennsylvania and employed by Commercial Union Ins. Co. of Boston, Mass. have inspected the pump, or valve, described in this Data Report on 5-27 thru 6-29, 19 88, and state that to the best of my knowledge and belief, the Certificate Holder has constructed this pump, or valve, in accordance with the ASME Code, Section III, Division 1.

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

Date 6-29-88 Signed Charles Young (Authorized Inspector) Commissions NB9544 Pennsylvania 2392 (Nat'l. Bd. (incl. endorsements) state or prov. and no.)

(1) For manually operated valves only.

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

As Required By The Provisions Of The ASME Code Section XI

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

1a. Date 06/30/98

Sheet 1 of 1

2. Plant Address: Mcguire Nuclear Station
   12700 Hagers Ferry Road, Huntersville, NC 28078

2a. Unit: ☒ 1 ☐ 2 ☐ 3 ☐ Shared (specify units) _____

3. Work Performed By: Duke Power Company

3a. Work Order # 97067325 (Repair Organization Job #)

Address: 526 S. Church Street, Charlotte, NC 28201-1006

Type Code Symbol Stamp: N/A Authorization No. N/A Expiration Date: N/A

3b. NSM or MM # MM-9421

4. (a) Identification of System: BW

4. (b) Class of System: B

5. (a) Applicable Construction Code: ASME III 1971 Edition, Summer and Winter Addenda, N-416-1 Code Cases

(b) Applicable Edition of Section XI Utilizing for Repairs or Replacements: 1989, No Addenda

6. Identification of Components Repaired or Replaced and Replacement Components:

	Column 1	Column 2	Column 3	Column 4	Column 5	Col. 6	Column 7	Column 8
	Name of Component	Name of Mfg.	Mfg. Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (yes or no)
A	VALVE	BORG WARNER	11929	291	1BW-30	1976	☐ Repaired, ☒ Replaced, ☐ Replacement	☐ No ☒ Yes
B	VALVE	ANCHOR/DARLING	E1581-63-24	1083	1BW-30	1988	☐ Repaired, ☐ Replaced, ☒ Replacement	☐ No ☒ Yes
C							☐ Repaired, ☐ Replaced, ☐ Replacement	☐ No ☐ Yes
D							☐ Repaired, ☐ Replaced, ☐ Replacement	☐ No ☐ Yes
E							☐ Repaired, ☐ Replaced, ☐ Replacement	☐ No ☐ Yes
F							☐ Repaired, ☐ Replaced, ☐ Replacement	☐ No ☐ Yes

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

7. Description of work : REPLACED VALVE AT WELD CA1F522

8. Test Conducted : Hydrostatic ☐ Pneumatic ☐ Nom. Operating Press. ☒ Other ☐ Exempt ☐

Pressure	1100	psig	Test Temp	111	°F
Pressure		psig	Test Temp		°F
Pressure		psig	Test Temp		°F

9. Remarks :

(Applicable Manufacturer's Data Records to be attached)

CERTIFICATE OF COMPLIANCE

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

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

Signed F.R. Sorrow Exec. Supp. F R Sorrow Date 07/06 19 98
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Providence of North Carolina and employed by HSBI and I Company of Hartford Connecticut have inspected the components described in this Owner's Report during the period 6-4-98 to 7-6-98 ; and state that to the best of my 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 the 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 R D Klein Commissions NB7728, NC853, N-I
Inspector's Signature National Board, State, Providence and Endorsements

Date 7-6, 1998

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

Pg. ____ of ____

1. Manufactured and certified by Anchor/Darling Valve Co., 701 First St., Williamsport, PA 17701
(name and address of N Certificate Holder)

2. Manufactured for Mill Power Supply Co., P.O. Box 32307, Charlotte, NC 28232-2307
(name and address of Purchaser or Owner)

3. Location of installation Catawba Nuclear Station, SC Highway 274, Newport, SC 29716
(name and address)

4. Model No., Series No., or Type DD Gate Drawing W8722680 Rev. B CRN N/A

5. ASME Code, Section III, Division 1: 1980 (edition) Summer 1980 (addenda date) 2 (class) N/A (Code Case no.)

6. Pump or valve Valve Nominal inlet size 2" (in.) Outlet size 2" (in.)

7. Material: Body SA216-WCB Bonnet SA216-WCB Disk AMS-5387A Bolting N/A

(a) Cert. Holder's Serial No.	(b) Nat'l Board No.	(c) Body Serial No.	(d) Bonnet Serial No.	(e) Disk Serial No.
E1581-63-21	1080	1675	1548	N/A
E1581-63-22	1081	1676	1569	N/A
E1581-63-23	1082	1678	1568	N/A
E1581-63-24	1083	1674	1574	N/A
E1581-63-25	1084	1691	1575	N/A
E1581-63-26	1085	1693	1537	N/A
E1581-63-27	1086	1688	1544	N/A
E1581-63-28	1087	1687	1576	N/A
E1581-63-29	1088	1690	1538	N/A
E1581-63-30	1089	1682	1539	N/A
E1581-63-31	1090	1683	1564	N/A
E1581-63-32	1091	1685	1559	N/A
E1581-63-33	1092	1679	1570	N/A
E1581-63-34	1093	1680	1545	N/A
E1581-63-35	1094	1681	1565	N/A
E1581-63-36	1095	1686	1554	N/A
E1581-63-37	1096	1689	1549	N/A
E1581-63-38	1097	1671	1560	N/A
E1581-63-39	1098	1684	1555	N/A
E1581-63-40	1099	1677	1550	

* Supplemental information in form of lists, sketches, or drawings may be used provided (1) size is 8½ × 11, (2) information in items 1 through 4 on this Data Report is included on each sheet, (3) each sheet is numbered and the number of sheets is recorded at the top of this form.

(12/86) This form (E00037) may be obtained from the Order Dept., ASME, 22 Law Drive, Box 2300, Fairfield, NJ 07007-2300.

8. Remarks for 2"-1700#-DD Gate Valve w/10" Tee Handle (06J-336)

9. Design conditions 3043 (pressure) psi 650 (temperature) °F or valve pressure class 1700 (1)

10. Cold working pressure 4198 psi at 100°F

11. Hydrostatic test 6300 psi. Disk differential test pressure 4618 psi

CERTIFICATION OF DESIGN

Design Specification certified by Daniel G. Gardner P.E. State SC Reg. no. 8234

Design Report certified by N/A P.E. State N/A Reg. no. N/A

CERTIFICATE OF SHOP COMPLIANCE

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

N Certificate of Authorization No. N1712 Expires 4/15/89

Date 6/27/88 Name Anchor/Darling Valve Co. (N Certificate Holder) Signed (authorized representative)

CERTIFICATE OF SHOP INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State ~~XXXXXXXXX~~ Pennsylvania and employed by Commercial Union Ins. Co. of Boston, Mass. have inspected the pump, or valve, described in this Data Report on 6-27 thru 6-29, 1988, and state that to the best of my knowledge and belief, the Certificate Holder has constructed this pump, or valve, in accordance with the ASME Code, Section III, Division 1.

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

Date 6-29-88 Signed Charles Young (Authorized Inspector) Commissions NB 7544 Pennsylvania 2392 [Nat'l. Bd. (incl. endorsements) state or prov. and no.]

(1) For manually operated valves only.

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

As Required By The Provisions Of The ASME Code Section XI

1. Owner Address: Duke Power Company
   526 S. Church Street, Charlotte, NC 28201-1006
   1a. Date 10/7/99
   Sheet 1 of 1
2. Plant Address: Mcguire Nuclear Station
   12700 Hagers Ferry Road, Huntersville, NC 28078
2a. Unit: ☒ 1 ☐ 2 ☐ 3 ☐ Shared (specify units) _____
3. Work Performed By: Duke Power Company
   3a. Work Order # 97067376-08 (Repair Organization Job #)
   Address: 526 S. Church Street, Charlotte, NC 28201-1006
   Type Code Symbol Stamp: N/A Authorization No. N/A Expiration Date: N/A
   3b. NSM or MM # 9421
4. (a) Identification of System: BW (S.G. WET LAYUP RECIRC.) 4. (b) Class of System: B
5. (a) Applicable Construction Code: ASME III 1971 Edition, Summer and Winter Addenda, N-416-1 Code Cases
   (b) Applicable Edition of Section XI Utilizing for Repairs or Replacements: 1989, No Addenda (1992 through 1992 Addenda for Class MC and CC and their supports)
6. Identification of Components Repaired or Replaced and Replacement Components:

	Column 1	Column 2	Column 3	Column 4	Column 5	Col. 6	Column 7	Column 8
	Name of Component	Name of Mfg.	Mfg. Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (yes or no)
A	1 BW VALVE 21	BORG WARNER	11932	294	N/A	1976	☐ Repaired, ☒ Replaced, ☐ Replacement	☐ No ☒ Yes
B	1 BW VALVE 21	ANCHOR DARLING	E1581-63-38	1097	N/A	1988	☐ Repaired, ☐ Replaced, ☒ Replacement	☐ No ☒ Yes
C							☐ Repaired, ☐ Replaced, ☐ Replacement	☐ No ☐ Yes
D							☐ Repaired, ☐ Replaced, ☐ Replacement	☐ No ☐ Yes
E							☐ Repaired, ☐ Replaced, ☐ Replacement	☐ No ☐ Yes
F							☐ Repaired, ☐ Replaced, ☐ Replacement	☐ No ☐ Yes

Form NIS -2 (Back)

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

7. Description of work : REPLACE BW 21 VALVE

8. Test Conducted : Hydrostatic ☐ Pneumatic ☐ Nom. Operating Press. ☒ Other ☐ Exempt ☐

Pressure	1089	psig	Test Temp	69.6	°F
Pressure		psig	Test Temp		°F
Pressure		psig	Test Temp		°F

9. Remarks :

(Applicable Manufacturer's Data Records to be attached)

CERTIFICATE OF COMPLIANCE

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

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

Signed E. P. Robinson Exec. Supp. E P Robinson Date 11/4 19 99
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 HSBI and I Company of Hartford Connecticut have inspected the components described in this Owner's Report during the period 7-20-99 to 11-4-99 ; and state that to the best of my 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 the 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 R D Klein Commissions NB7728, NC853, N-I
Inspector's Signature
National Board, State, Province and Endorsements

Date 11-4, 1999

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

Pg. ____ of ____

1. Manufactured and certified by Anchor/Darling Valve Co., 701 First St., Williamsport, PA 17701
(name and address of N Certificate Holder)

2. Manufactured for Mill Power Supply Co., P.O. Box 32307, Charlotte, NC 28232-2307
(name and address of Purchaser or Owner)

3. Location of installation Catawba Nuclear Station, SC Highway 274, Newport, SC 29716
(name and address)

4. Model No., Series No., or Type DD Gate Drawing W8722680 Rev. B CRN N/A

5. ASME Code, Section III, Division 1: 1980 (edition) Summer 1980 (addenda date) 2 (class) N/A (Code Case no.)

6. Pump or valve Valve Nominal inlet size 2" (in.) Outlet size 2" (in.)

7. Material: Body SA216-WCB Bonnet SA216-WCB Disk AMS-5387A Bolting N/A

(a) Cert. Holder's Serial No.	(b) Nat'l Board No.	(c) Body Serial No.	(d) Bonnet Serial No.	(e) Disk Serial No.
E1581-63-21	1080	1675	1548	N/A
E1581-63-22	1081	1676	1569	N/A
E1581-63-23	1082	1678	1568	N/A
E1581-63-24	1083	1674	1574	N/A
E1581-63-25	1084	1691	1575	N/A
E1581-63-26	1085	1693	1537	N/A
E1581-63-27	1086	1688	1544	N/A
E1581-63-28	1087	1687	1576	N/A
E1581-63-29	1088	1690	1538	N/A
E1581-63-30	1089	1682	1539	N/A
E1581-63-31	1090	1683	1564	N/A
E1581-63-32	1091	1685	1559	N/A
E1581-63-33	1092	1679	1570	N/A
E1581-63-34	1093	1680	1545	N/A
E1581-63-35	1094	1681	1565	N/A
E1581-63-36	1095	1686	1554	N/A
E1581-63-37	1096	1689	1549	N/A
Bw 21 → E1581-63-38	1097	1671	1560	N/A
E1581-63-39	1098	1684	1555	N/A
E1581-63-40	1099	1677	1550	N/A

* Supplemental information in form of lists, sketches, or drawings may be used provided (1) size is 8½ x 11, (2) information in items 1 through 4 on this Data Report is included on each sheet, (3) each sheet is numbered and the number of sheets is recorded at the top of this form.

8. Remarks for 2"-1700#-DD Gate Valve w/10" Tee Handle (06J-336)

9. Design conditions 3043 (pressure) psi 650 (temperature) °F or valve pressure class 1700 (1)

10. Cold working pressure 4198 psi at 100°F

11. Hydrostatic test 6300 psi. Disk differential test pressure 4618 psi

CERTIFICATION OF DESIGN

Design Specification certified by Daniel G. Gardner P.E. State SC Reg. no. 8234

Design Report certified by N/A P.E. State N/A Reg. no. N/A

CERTIFICATE OF SHOP COMPLIANCE

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

N Certificate of Authorization No. N1712 Expires 4/15/89

Date 6/27/88 Name Anchor/Darling Valve Co. (N Certificate Holder) Signed (authorized representative)

CERTIFICATE OF SHOP INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State ~~XXXXXXXXX~~ Pennsylvania and employed by Commercial Union Ins. Co. of Boston, Mass. have inspected the pump, or valve, described in this Data Report on 5-27 thru 6-29, 19 88, and state that to the best of my knowledge and belief, the Certificate Holder has constructed this pump, or valve, in accordance with the ASME Code, Section III, Division 1.

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

Date 6-27-88 Signed Charles Young (Authorized Inspector) Commissions NB 9544 Pennsylvania 2392 (Nat'l. Bd. (incl. endorsements) state or prov. and no.)

Charles Young

(1) For manually operated valves only.

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

As Required By The Provisions Of The ASME Code Section XI

1. Owner Address: Duke Power Company — 1a. Date 10/7/99

   526 S. Church Street, Charlotte, NC 28201-1006 — Sheet 1 of 1

2. Plant Address: Mcguire Nuclear Station

   12700 Hagers Ferry Road, Huntersville, NC 28078

2a. Unit: ☒ 1 ☐ 2 ☐ 3 ☐ Shared (specify units) _____

3. Work Performed By: Duke Power Company — 3a. Work Order # 97067498 (Repair Organization Job #)

   Address: 526 S. Church Street, Charlotte, NC 28201-1006

   Type Code Symbol Stamp: N/A Authorization No. N/A Expiration Date: N/A — 3b. NSM or MM # 9421

4. (a) Identification of System: BW (S.G. WET LAYUP RECIRC.) — 4. (b) Class of System: B

5. (a) Applicable Construction Code: ASME III 1971 Edition, Summer and Winter Addenda, N-416-1 Code Cases

   (b) Applicable Edition of Section XI Utilizing for Repairs or Replacements: 1989, No Addenda (1992 through 1992 Addenda for Class MC and CC and their supports)

6. Identification of Components Repaired or Replaced and Replacement Components:

	Column 1	Column 2	Column 3	Column 4	Column 5	Col. 6	Column 7	Column 8
	Name of Component	Name of Mfg.	Mfg. Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (yes or no)
A	1 BW VALVE 012	BORG WARNER	11925	287	N/A	1976	☐ Repaired, ☒ Replaced, ☐ Replacement	☐ No ☒ Yes
B	1 BW VALVE 012	ANCHOR DARLING	E1581-63-7	1066	N/A	1988	☐ Repaired, ☐ Replaced, ☒ Replacement	☐ No ☒ Yes
C							☐ Repaired, ☐ Replaced, ☐ Replacement	☐ No ☐ Yes
D							☐ Repaired, ☐ Replaced, ☐ Replacement	☐ No ☐ Yes
E							☐ Repaired, ☐ Replaced, ☐ Replacement	☐ No ☐ Yes
F							☐ Repaired, ☐ Replaced, ☐ Replacement	☐ No ☐ Yes

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

7. Description of work : REPLACE BW 12 VALVE

8. Test Conducted : Hydrostatic ☐ Pneumatic ☐ Nom. Operating Press. ☒ Other ☐ Exempt ☐

Pressure	1089	psig	Test Temp	72	°F
Pressure		psig	Test Temp		°F
Pressure		psig	Test Temp		°F

9. Remarks :

(Applicable Manufacturer's Data Records to be attached)

CERTIFICATE OF COMPLIANCE

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

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

Signed E. P. Robinson Exec. Supp. E P Robinson Date 11/4 19 99
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 HSBI and I Company of Hartford Connecticut have inspected the components described in this Owner's Report during the period 7-30-99 to 11-4-99 ; and state that to the best of my 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 the 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 R D Klein Commissions NB7728, NC853, N-I
Inspector's Signature National Board, State, Province and Endorsements

Date 11-4, 19 99

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

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

Pg. ____ of ____

1. Manufactured and certified by Anchor/Darling Valve Co., 701 First St., Williamsport, PA 17701
(name and address of N Certificate Holder)

2. Manufactured for Mill Power Supply Co., P.O. Box 32307, Charlotte, NC 28232-2307
(name and address of Purchaser or Owner)

3. Location of installation Catawba Nuclear Station, SC Highway 274, Newport, SC 29716
(name and address)

4. Model No., Series No., or Type DD Gate Drawing W8722680 Rev. B CRN N/A

5. ASME Code, Section III, Division 1: 1980 (edition) Summer 1980 (addenda date) 2 (class) N/A (Code Case no.)

6. Pump or valve Valve Nominal inlet size 2" (in.) Outlet size 2" (in.)

7. Material: Body SA216-WCB Bonnet SA216-WCB Disk AMS-5387A Bolting N/A

(a) Cert. Holder's Serial No.	(b) Nat'l Board No.	(c) Body Serial No.	(d) Bonnet Serial No.	(e) Disk Serial No.
E1581-63-1	1060	1516 ✓	1578 ✓	N/A
E1581-63-2	1061	1515 ✓	1572 ✓	N/A
E1581-63-3	1062	1514 ✓	1567 ✓	N/A
E1581-63-4	1063	1513 ✓	1562 ✓	N/A
E1581-63-5	1064	1528 ✓	1552 ✓	N/A
E1581-63-6	1065	1527 ✓	1547 ✓	N/A
1BW2→ E1581-63-7	1066	1526 ✓	1542 ✓	N/A
E1581-63-8	1067	1525 ✓	1577 ✓	N/A
1BW3→ E1581-63-9	1068	1524 ✓	1571 ✓	N/A
E1581-63-10	1069	1523 ✓	1540 ✓	N/A
E1581-63-11	1070	1522 ✓	1546 ✓	N/A
E1581-63-12	1071	1521 ✓	1551 ✓	N/A
E1581-63-13	1072	1517 ✓	1556 ✓	N/A
E1581-63-14	1073	1518 ✓	1557 ✓	N/A
E1581-63-15	1074	1519 ✓	1561 ✓	N/A
E1581-63-16	1075	1520 ✓	1566 ✓	N/A
E1581-63-17	1076	1673 ✓	1558 ✓	N/A
E1581-63-18	1077	1672 ✓	1553 ✓	N/A
E1581-63-19	1078	1669 ✓	1563 ✓	N/A
E1581-63-20	1079	1670 ✓	1543 ✓	N/A

* Supplemental information in form of lists, sketches, or drawings may be used provided (1) size is 8½ × 11, (2) information in items 1 through 4 on this Data Report is included on each sheet, (3) each sheet is numbered and the number of sheets is recorded at the top of this form.

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

FORM NPV-1 (back)

8. Remarks for 2"-1700#-DD Gate Valve w/10" Tee Handle (06J-336)

9. Design conditions 3043 (pressure) psi 650 (temperature) °F or Valve pressure class 1700 (1)

10. Cold working pressure 4198 psi at 100°F

11. Hydrostatic test 6300 psi. Disk differential test pressure 4618 psi

CERTIFICATION OF DESIGN

Design Specification certified by Daniel G. Gardner P.E. State SC Reg. no. 8234

Design Report certified by N/A P.E. State N/A Reg. no. N/A

CERTIFICATE OF SHOP COMPLIANCE

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

N Certificate of Authorization No. N1712 Expires 4/15/89

Date 6/27/88 Name Anchor/Darling Valve Co. (N Certificate Holder) Signed (authorized representative)

CERTIFICATE OF SHOP INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State ~~XXXXXXXXX~~ Pennsylvania and employed by Commercial Union Ins. Co. of Boston, Mass. have inspected the pump, or valve, described in this Data Report on 5-27 thru 6-29, 19 88, and state that to the best of my knowledge and belief, the Certificate Holder has constructed this pump, or valve, in accordance with the ASME Code, Section III, Division 1.

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

Date 6-29-88 Signed Charles Young (Authorized Inspector) Commissions NB 9544 Pennsylvania 2392 (Nat'l. Bd. (incl. endorsements) state or prov. and no.)

(1) For manually operated valves only.

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

As Required By The Provisions Of The ASME Code Section XI

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

1a. Date 06/23/98

Sheet 1 of 1

2. Plant Address: Mcguire Nuclear Station
   12700 Hagers Ferry Road, Huntersville, NC 28078

2a. Unit: ☒ 1 ☐ 2 ☐ 3 ☐ Shared (specify units) _____

3. Work Performed By: Duke Power Company

3a. Work Order # 97091840 (Repair Organization Job #)

Address: 526 S. Church Street, Charlotte, NC 28201-1006

Type Code Symbol Stamp: N/A Authorization No. N/A Expiration Date: N/A

3b. NSM or MM # MM-10337

4. (a) Identification of System: KC

4. (b) Class of System: B & C

5. (a) Applicable Construction Code: ASME III 1971 Edition, Summer and Winter Addenda, N-416-1 Code Cases

(b) Applicable Edition of Section XI Utilizing for Repairs or Replacements: 1989, No Addenda

6. Identification of Components Repaired or Replaced and Replacement Components:

	Column 1	Column 2	Column 3	Column 4	Column 5	Col. 6	Column 7	Column 8
	Name of Component	Name of Mfg.	Mfg. Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (yes or no)
A	VALVE	KEROTEST	TD2-3	8577	1KC412	1976	☐ Repaired, ☒ Replaced, ☐ Replacement	☐ No ☒ Yes
B	VALVE	KEROTEST	97EP0309	N/A	1KC412	1997	☐ Repaired, ☐ Replaced, ☒ Replacement	☐ No ☒ Yes
C	PIPING SYSTEM	DUKE POWER	N/A	38	1KC	1981	☐ Repaired, ☐ Replaced, ☒ Replacement	☐ No ☒ Yes
D							☐ Repaired, ☐ Replaced, ☐ Replacement	☐ No ☐ Yes
E							☐ Repaired, ☐ Replaced, ☐ Replacement	☐ No ☐ Yes
F							☐ Repaired, ☐ Replaced, ☐ Replacement	☐ No ☐ Yes

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

7. Description of work : REPLACED VALVE AND 2" PIPE AT WELDS KC1F1296 AND 1297

8. Test Conducted : Hydrostatic ☐ Pneumatic ☐ Nom. Operating Press. ☒ Other ☐ Exempt ☐

Pressure	100	psig	Test Temp	75	°F
Pressure		psig	Test Temp		°F
Pressure		psig	Test Temp		°F

9. Remarks :
MCFI-1KC121 AND 124

(Applicable Manufacturer's Data Records to be attached)

CERTIFICATE OF COMPLIANCE

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

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

Signed F.R. Sorrow Exec. Supp. F R Sorrow Date 07/06 19 98
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Providence of North Carolina and employed by HSBI and I Company of Hartford Connecticut have inspected the components described in this Owner's Report during the period 6-1-98 to 7-6-98 ; and state that to the best of my 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 the 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 R D Klein Commissions NB7728, NC853, N-I
Inspector's Signature National Board, State, Providence and Endorsements

Date 7-6, 1998

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

1. Manufactured and certified by BW/IP INTERNATIONALL INC. PUMP DIV., LOS ANGELES OPERATION 2300 EAST VERNON AVE, VERNON, CA 90058
(name and address of N Certificate Holder)

2. Manufactured for DUKE POWER CO. McGUIRE SITE 13225 HAGERS FERRY RD. HWY 73 HUNTERSVILLE, NC 28078-8985
(name and address of Purchaser)

3. Location of installation DUKE POWER CO. McGUIRE SITE 13225 HAGERS FERRY RD. HWY 73 HUNTERSVILLE, NC 28078-8985
(name and address)

4. Model No., Series No., or Type CHECK Drawing DP-D-9911-(1) Rev. C CRN N/A

5. ASME Code, Section III, Division 1: 1971 (edition) WINTER 1971 (addenda date) 1 (class) N/A (Code Case no.)

6. Pump or valve VALVE Nominal inlet size 2 (in.) Outlet size 2 (in.)

7. Material: Body SA182 GR F316 Bonnet N/A Disk SA479 TYPE 316 Bolting N/A

(a) Cert. Holder's Serial No.	(b) Nat'l Board No.	(c) Body Serial No.	(d) Bonnet Serial No.	(e) Disk Serial No.
97EP0309	N/A	329988 SN 1	N/A	328293 SN 24
97EP0310	N/A	329988 SN 2	N/A	328293 SN 31
97EP0311	N/A	329988 SN 4	N/A	328293 SN 35

Void 11/26/97

*Supplemental information in form of lists, sketches, or drawings may be used provided (1) size is 8½ × 11, (2) information in items 1 through 4 on this Data Report is included on each sheet, (3) each sheet is numbered and the number of sheets is recorded at the top of this form.

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

FORM NPV-1 (Back — Pg. 2 of 2)

97EP0309 THRU 97EP0311

Certificate Holder's Serial No. 97EP0311

8. Design conditions 3600 (pressure) psi 100 (temperature) °F or valve pressure class 1500# (1)

9. Cold working pressure 3600 psi at 100°F

10. Hydrostatic test 5400-5450 psi. Disk differential test pressure 3960-4010 psi

11. Remarks: MATERIAL COVER: SA182 GR F316 NAMEPLATE ATTACHED BY WIRE

CERT HOLDERS SN	COVER SN
97EP0309	328293 SN 7
97EP0310	328293 SN 8
97EP0311	328293 SN 9

CERTIFICATION OF DESIGN

Design Specification certified by ROBERT EUGENE MILLER P.E. State N.C. Reg. no. 4860

Design Report certified by DAVID A. WURANGIAN P.E. State CA. Reg. no. M19547

CERTIFICATE OF COMPLIANCE

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

N Certificate of Authorization No. N-1130 Expires JUNE 10, 1999

Date Nov 26, 1997 Name BW/IP INTERNATIONAL INC. (N Certificate Holder) Signed (authorized representative)

CERTIFICATE OF INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of CALIFORNIA and employed by *ARKWRIGHT MUTUAL INS. CO. of NORWOOD, MASS. have inspected the pump, or valve, described in this Data Report on November 26, 1997, and state that to the best of my knowledge and belief, the Certificate Holder has constructed this pump, or valve, in accordance with the ASME Code, Section III, Division 1.

*FACTORY MUTUAL ENGINEERING ASSOCIATION

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

Date 11/26/97 Signed (Authorized Inspector) Commissions CA 1574 "N" (Nat'l. Bd. (incl. endorsements) and state or prov. and no.)

(1) For manually operated valves only.

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

As Required By The Provisions Of The ASME Code Section XI

1. Owner Address: Duke Power Company — 1a. Date 08/06/98

   526 S. Church Street, Charlotte, NC 28201-1006 — Sheet 1 of 1

2. Plant Address: Mcguire Nuclear Station

   12700 Hagers Ferry Road, Huntersville, NC 28078

2a. Unit: ☒ 1 ☐ 2 ☐ 3 ☐ Shared (specify units) _____

3. Work Performed By: Duke Power Company — 3a. Work Order # 97091844 (Repair Organization Job #)

   Address: 526 S. Church Street, Charlotte, NC 28201-1006

   Type Code Symbol Stamp: N/A Authorization No. N/A Expiration Date: N/A — 3b. NSM or MM # N/A

4. (a) Identification of System: KC — 4. (b) Class of System: B

5. (a) Applicable Construction Code: ASME III 1971 Edition, Summer and Winter Addenda, N/A Code Cases

   (b) Applicable Edition of Section XI Utilizing for Repairs or Replacements: 1989, No Addenda

6. Identification of Components Repaired or Replaced and Replacement Components:

	Column 1	Column 2	Column 3	Column 4	Column 5	Col. 6	Column 7	Column 8
	Name of Component	Name of Mfg.	Mfg. Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (yes or no)
A	VALVE	KEROTEST	TD2-8	8579	1KC-393	1976	☐ Repaired, ☐ Replaced, ☒ Replacement	☐ No ☒ Yes
B							☐ Repaired, ☐ Replaced, ☐ Replacement	☐ No ☐ Yes
C							☐ Repaired, ☐ Replaced, ☐ Replacement	☐ No ☐ Yes
D							☐ Repaired, ☐ Replaced, ☐ Replacement	☐ No ☐ Yes
E							☐ Repaired, ☐ Replaced, ☐ Replacement	☐ No ☐ Yes
F							☐ Repaired, ☐ Replaced, ☐ Replacement	☐ No ☐ Yes

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

7. Description of work : REPLACED VALVE DISC AND BONNET

8. Test 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 :
PRESSURE TEST PERFORMED ON W/O 97091844/03

(Applicable Manufacturer's Data Records to be attached)

CERTIFICATE OF COMPLIANCE

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

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

Signed F.R. Sorrow Exec. Supp. Date 08/06 19 98
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Providence of North Carolina and employed by HSBI and I Company of Hartford Connecticut have inspected the components described in this Owner's Report during the period 6-30-98 to 8-6-98 ; and state that to the best of my 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 the 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, Providence and Endorsements

Date 8-6, 1998

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

As Required By The Provisions Of The ASME Code Section XI

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

1a. Date 10/15/99

Sheet 1 of 1

2. Plant Address: Mcguire Nuclear Station
   12700 Hagers Ferry Road, Huntersville, NC 28078

2a. Unit: ☒ 1 ☐ 2 ☐ 3 ☐ Shared (specify units) _____

3. Work Performed By: Duke Power Company

3a. Work Order # 97098663/01
Repair Organization Job #

Address: 526 S. Church Street, Charlotte, NC 28201-1006

Type Code Symbol Stamp: N/A Authorization No. N/A Expiration Date: N/A

3b. NSM or MM # N/A

4. (a) Identification of System: NV

4. (b) Class of System: B

5. (a) Applicable Construction Code: ASME III 1971 Edition, Summer and Winter Addenda, N/A Code Cases

(b) Applicable Edition of Section XI Utilizing for Repairs or Replacements: 1989, No Addenda (1992 through 1992 Addenda for Class MC and CC and their supports)

6. Identification of Components Repaired or Replaced and Replacement Components:

	Column 1	Column 2	Column 3	Column 4	Column 5	Col. 6	Column 7	Column 8
	Name of Component	Name of Mfg.	Mfg. Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (yes or no)
A	VALVE	DRESSER	TE-09056	267	1NV-486	1978	☐ Repaired, ☐ Replaced, ☒ Replacement	☐ No ☒ Yes
B							☐ Repaired, ☐ Replaced, ☐ Replacement	☐ No ☐ Yes
C							☐ Repaired, ☐ Replaced, ☐ Replacement	☐ No ☐ Yes
D							☐ Repaired, ☐ Replaced, ☐ Replacement	☐ No ☐ Yes
E							☐ Repaired, ☐ Replaced, ☐ Replacement	☐ No ☐ Yes
F							☐ Repaired, ☐ Replaced, ☐ Replacement	☐ No ☐ Yes

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

7. Description of work : REPLACED DISC

8. Test 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 :

(Applicable Manufacturer's Data Records to be attached)

CERTIFICATE OF COMPLIANCE

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

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

Signed F. R. Sorrow Exec. Supp. Date 10/15 19 99
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 HSBI and I Company of Hartford Connecticut have inspected the components described in this Owner's Report during the period 9-28-99 to 10-16-99 ; and state that to the best of my 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 the 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 10-16, 1999

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

As Required By The Provisions Of The ASME Code Section XI

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

1a. Date October 18, 1999
Sheet 1 of 1

2. Plant Address: McGuire Nuclear Station
12700 Hagers Ferry Road, Huntersville, NC 28078

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

3. Work Performed By: Duke Power Company
Address: 526 S. Church Street, Charlotte NC 28201-1006

3a. Work Order # : 97109198
Repair Organization Job #

Type Code Symbol Stamp: N/A Authorization No. N/A Expiration Date: N/A

3b. NSM or MM #: N/A

4. (a) Identification of System: CF - Feedwater

4. (b) Class of System: B

5. (a) Applicable Construction Code: ASME III 1971 Edition, Summer and Winter Addenda, N/A Code Cases
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements: 1989, No Addenda (1992 through 1992 Addenda for Class MC and CC and their supports)

6. Identification of Components Repaired or Replaced and Replacement Components:

	Column 1 Name of Component	Column 2 Name of Mfg	Column 3 Mfg Serial No.	Column 4 National Board No.	Column 5 Other Identification	Col 6 Year Built	Column 7 Repaired, Replaced, or Replacement	Column 8 ASME Code Stamped (yes or no)
A	1-CF-VA-0162	Walworth	A0162	N/A	V File# 3	1973	☐ Repaired, ☑ Replaced, ☐ Replacement	☐ No ☑ Yes
B							☐ Repaired, ☐ Replaced, ☐ Replacement	☐ No ☐ Yes
C							☐ Repaired, ☐ Replaced, ☐ Replacement	☐ No ☐ Yes
D							☐ Repaired, ☐ Replaced, ☐ Replacement	☐ No ☐ Yes
E							☐ Repaired, ☐ Replaced, ☐ Replacement	☐ No ☐ Yes
F							☐ Repaired, ☐ Replaced, ☐ Replacement	☐ No ☐ Yes

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8 1/2 in. x 11 in. (2) information in items1 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 body to bonnet nuts

8. Test 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 _____

(Applicable Manufacturer's Data Records to be attached)

CERTIFICATE OF COMPLIANCE

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

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

Signed FL Grass Jr., QA Tech Specialist Date 10/18/, 99
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 HSBI and I Company of Hartford Connecticut have inspected the components described in this Owner's Report during the period 9-21-99 to 10-19-99; and state that to the best of my 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 the 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 10-19-99

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

As Required By The Provisions Of The ASME Code Section XI

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

1a. Date 09/14/98

Sheet 1 of 1

2. Plant Address: Mcguire Nuclear Station
   12700 Hagers Ferry Road, Huntersville, NC 28078

2a. Unit: ☒ 1 ☐ 2 ☐ 3 ☐ Shared (specify units) _____

3. Work Performed By: Duke Power Company

3a. Work Order # 97109260/05
Repair Organization Job #

Address: 526 S. Church Street, Charlotte, NC 28201-1006

Type Code Symbol Stamp: N/A Authorization No. N/A Expiration Date: N/A

3b. NSM or MM # N/A

4. (a) Identification of System: NS

4. (b) Class of System: B

5. (a) Applicable Construction Code: ASME III 1971 Edition, Summer and Winter Addenda, N/A Code Cases

(b) Applicable Edition of Section XI Utilizing for Repairs or Replacements: 1989, No Addenda

6. Identification of Components Repaired or Replaced and Replacement Components:

	Column 1	Column 2	Column 3	Column 4	Column 5	Col. 6	Column 7	Column 8
	Name of Component	Name of Mfg.	Mfg. Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (yes or no)
A	VALVE	WALWORTH	A0251	151	1NS-30	1978	☐ Repaired, ☐ Replaced, ☒ Replacement	☐ No ☒ Yes
B							☐ Repaired, ☐ Replaced, ☐ Replacement	☐ No ☐ Yes
C							☐ Repaired, ☐ Replaced, ☐ Replacement	☐ No ☐ Yes
D							☐ Repaired, ☐ Replaced, ☐ Replacement	☐ No ☐ Yes
E							☐ Repaired, ☐ Replaced, ☐ Replacement	☐ No ☐ Yes
F							☐ Repaired, ☐ Replaced, ☐ Replacement	☐ No ☐ Yes

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

7. Description of work : REPLACED BONNET TO BODY STUDS AND NUTS

8. Test 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 :

(Applicable Manufacturer's Data Records to be attached)

CERTIFICATE OF COMPLIANCE

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

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

Signed F.R. Sorrow Exec. Supp. Date 09/14 19 98
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Providence of North Carolina and employed by HSBI and I Company of Hartford Connecticut have inspected the components described in this Owner's Report during the period 6-26-98 to 9-15-98 ; and state that to the best of my 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 the 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 9-15, 1998

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

As Required By The Provisions Of The ASME Code Section XI

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

1a. Date 08/10/98

Sheet 1 of 1

2. Plant Address: Mcguire Nuclear Station
   12700 Hagers Ferry Road, Huntersville, NC 28078

2a. Unit: ☒ 1 ☐ 2 ☐ 3 ☐ Shared (specify units) _____

3. Work Performed By: Duke Power Company

3a. Work Order # 97109503
Repair Organization Job #

Address: 526 S. Church Street, Charlotte, NC 28201-1006

Type Code Symbol Stamp: N/A Authorization No. N/A Expiration Date: N/A

3b. NSM or MM # N/A

4. (a) Identification of System: NS

4. (b) Class of System: B

5. (a) Applicable Construction Code: ASME III 1971 Edition, Summer and Winter Addenda, N/A Code Cases

(b) Applicable Edition of Section XI Utilizing for Repairs or Replacements: 1989, No Addenda

6. Identification of Components Repaired or Replaced and Replacement Components:

	Column 1	Column 2	Column 3	Column 4	Column 5	Col. 6	Column 7	Column 8
	Name of Component	Name of Mfg.	Mfg. Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (yes or no)
A	PIPING SYSTEM	DUKE POWER	N/A	40	1NS	1981	☐ Repaired, ☐ Replaced, ☒ Replacement	☐ No ☒ Yes
B							☐ Repaired, ☐ Replaced, ☐ Replacement	☐ No ☐ Yes
C							☐ Repaired, ☐ Replaced, ☐ Replacement	☐ No ☐ Yes
D							☐ Repaired, ☐ Replaced, ☐ Replacement	☐ No ☐ Yes
E							☐ Repaired, ☐ Replaced, ☐ Replacement	☐ No ☐ Yes
F							☐ Repaired, ☐ Replaced, ☐ Replacement	☐ No ☐ Yes

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

7. Description of work : REPLACED 7/8" STUD ON FLANGE JOINT BETWEEN SPOOL PIECE AND VALVE 1NS-140

8. Test 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 :

(Applicable Manufacturer's Data Records to be attached)

CERTIFICATE OF COMPLIANCE

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

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

Signed F.R. Sorrow Exec. Supp. F R Sorrow Date 08/10 19 98
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Providence of North Carolina and employed by HSBI and I Company of Hartford Connecticut have inspected the components described in this Owner's Report during the period 6-5-98 to 8-10-98 ; and state that to the best of my 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 the 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 R D Klein Commissions NB7728, NC853, N-I
Inspector's Signature National Board, State, Providence and Endorsements

Date 8-10, 1998

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

As Required By The Provisions Of The ASME Code Section XI

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

1a. Date 06/22/98

Sheet 1 of 1

2. Plant Address: Mcguire Nuclear Station
   12700 Hagers Ferry Road, Huntersville, NC 28078

2a. Unit: ☒ 1 ☐ 2 ☐ 3 ☐ Shared (specify units) _____

3. Work Performed By: Duke Power Company

3a. Work Order # 98018246
Repair Organization Job #

Address: 526 S. Church Street, Charlotte, NC 28201-1006

Type Code Symbol Stamp: N/A Authorization No. N/A Expiration Date: N/A

3b. NSM or MM # NSM-12475

4. (a) Identification of System: CA

4. (b) Class of System: B

5. (a) Applicable Construction Code: ASME III 1971 Edition, Summer and Winter Addenda, N-416-1 Code Cases

(b) Applicable Edition of Section XI Utilizing for Repairs or Replacements: 1989, No Addenda

6. Identification of Components Repaired or Replaced and Replacement Components:

	Column 1	Column 2	Column 3	Column 4	Column 5	Col. 6	Column 7	Column 8
	Name of Component	Name of Mfg.	Mfg. Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (yes or no)
A	VALVE	WALWORTH	C-57355	429	1CA46	1974	☐ Repaired, ☒ Replaced, ☐ Replacement	☐ No ☒ Yes
B	VALVE	ATWOOD & MERRILL	15-11023-01	N/A	1CA46	1998	☐ Repaired, ☐ Replaced, ☒ Replacement	☐ No ☒ Yes
C	1-MCA-CA-H380	DUKE POWER	N/A	N/A	N/A	N/A	☐ Repaired, ☐ Replaced, ☒ Replacement	☒ No ☐ Yes
D							☐ Repaired, ☐ Replaced, ☐ Replacement	☐ No ☐ Yes
E							☐ Repaired, ☐ Replaced, ☐ Replacement	☐ No ☐ Yes
F							☐ Repaired, ☐ Replaced, ☐ Replacement	☐ No ☐ Yes

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

7. Description of work : Replaced Valve 1CA46 and replaced ¾" bolt and nut on 4" pipe clamp (item B)

8. Test Conducted : Hydrostatic ☐ Pneumatic ☐ Nom. Operating Press. ☒ Other ☐ Exempt ☐

Pressure	1100	psig	Test Temp	111	°F
Pressure		psig	Test Temp		°F
Pressure		psig	Test Temp		°F

9. Remarks :

(Applicable Manufacturer's Data Records to be attached)

CERTIFICATE OF COMPLIANCE

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

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

Signed F.R. Sorrow Exec. Supp. F R Sorrow Date 07/06 19 98
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Providence of North Carolina and employed by HSBI and I Company of Hartford Connecticut have inspected the components described in this Owner's Report during the period 5-7-98 to 7-6-98 ; and state that to the best of my 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 the 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 R D Klein Commissions NB7728, NC853, N-I
Inspector's Signature National Board, State, Providence and Endorsements

Date 7-6, 1998

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

1. Manufactured and certified by Atwood & Morrill Co., Inc., 285 Canal St., Salem, MA 01970
(name and address of N Certificate Holder)

2. Manufactured for Duke Power Company, Huntersville, NC 28078-8985
(name and address of Purchaser)

3. Location of installation McGuire Nuclear Station, Highway 77, Huntersville, NC 28204
(name and address)

4. Model No., Series No., or Type Gate Valve Drawing 11023-01 Rev. 6 CRN N/A

5. ASME Code, Section III, Division 1: 1989 (edition) 1990 (addenda date) 2 (class) N/A (Code Case no.)

6. Pump or valve Valve Nominal inlet size 4" (in.) Outlet size 4" (in.)

7. Material: Body SA216-WCB Bonnet SA516-70 Disk SA240-304 Bolting N/A

(a) Cert. Holder's Serial No.	(b) Nat'l Board No.	(c) Body Serial No.	(d) Bonnet Serial No.	(e) Disk Serial No.
15-11023-01	N/A	HT#: 97256	H#:802W31661	HT#: 161267
		S/N: J227	S/N: 6	S/N: 11 & 16

* Supplemental information in form of lists, sketches, or drawings may be used provided (1) size is 8½ x 11, (2) information in items 1 through 4 on this Data Report is included on each sheet, (3) each sheet is numbered and the number of sheets is recorded at the top of this form.

Certificate Holder's Serial No. 15-11023-01

8. Design conditions 1730 (pressure) psi 567 (temperature) °F or valve pressure class 1500 (1)

9. Cold working pressure 3705 psi at 100°F

10. Hydrostatic test 5625 psi. Disk differential test pressure 4125 psi

11. Remarks: Load Key - SA182 F6A CL. 2 HT #J7124 S/N: 15

CERTIFICATION OF DESIGN

Design Specification certified by R.L. Williams P.E. State NC Reg. no. 8010

Design Report certified by N/A P.E. State N/A Reg. no. N/A

CERTIFICATE OF COMPLIANCE

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

N Certificate of Authorization No. N-2606 Expires 6-13-98

Date 3/28/98 Name Atwood & Morrill Co., Inc. (N Certificate Holder) Signed (authorized representative)

CERTIFICATE OF INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of NH and employed by H.S.B.I. & I. Co. of Hartford, CT have inspected the pump, or valve, described in this Data Report on MARCH 28, 1998, and state that to the best of my knowledge and belief, the Certificate Holder has constructed this pump, or valve, in accordance with the ASME Code, Section III, Division 1.

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

Date 3/28 98 Signed (Authorized Inspector) Commissions NH 202 "N" (Nat'l. Bd. (incl. endorsements) and state or prov. and no.)

(1) For manually operated valves only.

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

As Required By The Provisions Of The ASME Code Section XI

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

1a. Date 06/22/98

Sheet 1 of 1

2. Plant Address: Mcguire Nuclear Station
   12700 Hagers Ferry Road, Huntersville, NC 28078

2a. Unit: ☒ 1 ☐ 2 ☐ 3 ☐ Shared (specify units) _____

3. Work Performed By: Duke Power Company

3a. Work Order # 98019288
Repair Organization Job #

Address: 526 S. Church Street, Charlotte, NC 28201-1006

Type Code Symbol Stamp: N/A Authorization No. N/A Expiration Date: N/A

3b. NSM or MM # NSM-12475

4. (a) Identification of System: CA

4. (b) Class of System: B

5. (a) Applicable Construction Code: ASME III 1971 Edition, Summer and Winter Addenda, N-416-1 Code Cases

(b) Applicable Edition of Section XI Utilizing for Repairs or Replacements: 1989, No Addenda

6. Identification of Components Repaired or Replaced and Replacement Components:

	Column 1	Column 2	Column 3	Column 4	Column 5	Col. 6	Column 7	Column 8
	Name of Component	Name of Mfg.	Mfg. Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (yes or no)
A	VALVE	WESTERN HYDRAULICS	3868	31	1CA54	1975	☐ Repaired, ☒ Replaced, ☐ Replacement	☐ No ☒ Yes
B	VALVE	ATWOOD & MERRILL	6-11023-01	N/A	1CA54	1998	☐ Repaired, ☐ Replaced, ☒ Replacement	☐ No ☒ Yes
C	PIPING SYSTEM	DUKE POWER	N/A	32	1CAFÉ-5100	1981	☐ Repaired, ☐ Replaced, ☒ Replacement	☐ No ☒ Yes
D							☐ Repaired, ☐ Replaced, ☐ Replacement	☐ No ☐ Yes
E							☐ Repaired, ☐ Replaced, ☐ Replacement	☐ No ☐ Yes
F							☐ Repaired, ☐ Replaced, ☐ Replacement	☐ No ☐ Yes

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

7. Description of work : Replaced valve 1CA54

Replaced studs and nuts in 1CAFÉ-5100

8. Test Conducted : Hydrostatic ☐ Pneumatic ☐ Nom. Operating Press. ☒ Other ☐ Exempt ☐

Pressure	1100	psig	Test Temp	111	°F
Pressure		psig	Test Temp		°F
Pressure		psig	Test Temp		°F

9. Remarks :

(Applicable Manufacturer's Data Records to be attached)

CERTIFICATE OF COMPLIANCE

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

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

Signed F.R. Sorrow Exec. Supp. Date 07/06 19 98
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Providence of North Carolina and employed by HSBI and I Company of Hartford Connecticut have inspected the components described in this Owner's Report during the period 5-7-98 to 7-6-98 ; and state that to the best of my 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 the 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, Providence and Endorsements

Date 7-6, 1998

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

1. Manufactured and certified by Atwood & Morrill Co., Inc., 285 Canal St., Salem, MA 01970
(name and address of N Certificate Holder)

2. Manufactured for Duke Power Company, Huntersville, NC 28078-8985
(name and address of Purchaser)

3. Location of installation McGuire Nuclear Station, Highway 77, Huntersville, NC 28204
(name and address)

4. Model No., Series No., or Type Gate Valve Drawing 11023-01 Rev. 6 CRN N/A

5. ASME Code, Section III, Division 1: 1989 (edition) 1990 (addenda date) 2 (class) N/A (Code Case no.)

6. Pump or valve Valve Nominal inlet size 4" (in.) Outlet size 4" (in.)

7. Material: Body SA216-WCB Bonnet SA516-70 Disk SA240-304 Bolting N/A

(a) Cert. Holder's Serial No.	(b) Nat'l Board No.	(c) Body Serial No.	(d) Bonnet Serial No.	(e) Disk Serial No.
6-11023-01	N/A	HT#: 97253 S/N: J219	HT#: 802W31661 S/N: 7	HT#: 161267 S/N: 3 & 4

* Supplemental information in form of lists, sketches, or drawings may be used provided (1) size is 8½ x 11, (2) information in items 1 through 4 on this Data Report is included on each sheet, (3) each sheet is numbered and the number of sheets is recorded at the top of this form.

Certificate Holder's Serial No. 6-11023-01

8. Design conditions 1730 (pressure) psi 567 (temperature) °F or valve pressure class 1500 (1)

9. Cold working pressure 3705 psi at 100°F

10. Hydrostatic test 5625 psi. Disk differential test pressure 4125 psi

11. Remarks: Load Key - SA182 F6A CL. 2 HT # J7124 S/N: 6

CERTIFICATION OF DESIGN

Design Specification certified by R.L. Williams P.E. State NC Reg. no. 8010

Design Report certified by N/A P.E. State N/A Reg. no. N/A

CERTIFICATE OF COMPLIANCE

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

N Certificate of Authorization No. N-2606 Expires 6-13-98

Date 3/30/98 Name Atwood & Morrill Co., Inc. (N Certificate Holder) Signed Brian D. Sullivan (authorized representative)

CERTIFICATE OF INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of MA and employed by H.S.B.I. & I. Co. of Hartford, CT have inspected the pump, or valve, described in this Data Report on MAR 30, 1998, and state that to the best of my knowledge and belief, the Certificate Holder has constructed this pump, or valve, in accordance with the ASME Code, Section III, Division 1.

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

Date 3/30/98 Signed Willie W. Wall (Authorized Inspector) Commissions MA-1337 [Nat'l. Bd. (incl. endorsements) and state or prov. and no.]

(1) For manually operated valves only.

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

As Required By The Provisions Of The ASME Code Section XI

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

1a. Date 06/22/98

Sheet 1 of 1

2. Plant Address: Mcguire Nuclear Station
   12700 Hagers Ferry Road, Huntersville, NC 28078

2a. Unit: ☒ 1 ☐ 2 ☐ 3 ☐ Shared (specify units) _____

3. Work Performed By: Duke Power Company

3a. Work Order # 98019626
Repair Organization Job #

Address: 526 S. Church Street, Charlotte, NC 28201-1006

Type Code Symbol Stamp: N/A Authorization No. N/A Expiration Date: N/A

3b. NSM or MM # NSM-12475

4. (a) Identification of System: CA

4. (b) Class of System: B

5. (a) Applicable Construction Code: ASME III 1971 Edition, Summer and Winter Addenda, N-416-1 Code Cases

(b) Applicable Edition of Section XI Utilizing for Repairs or Replacements: 1989, No Addenda

6. Identification of Components Repaired or Replaced and Replacement Components:

	Column 1	Column 2	Column 3	Column 4	Column 5	Col. 6	Column 7	Column 8
	Name of Component	Name of Mfg.	Mfg. Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (yes or no)
A	VALVE	WALWORTH	C-57358	230	1CA58	1974	☐ Repaired, ☒ Replaced, ☐ Replacement	☐ No ☒ Yes
B	VALVE	ATWOOD & MERRILL	12-11023-01	N/A	1CA58	1998	☐ Repaired, ☐ Replaced, ☒ Replacement	☐ No ☒ Yes
C							☐ Repaired, ☐ Replaced, ☐ Replacement	☐ No ☐ Yes
D							☐ Repaired, ☐ Replaced, ☐ Replacement	☐ No ☐ Yes
E							☐ Repaired, ☐ Replaced, ☐ Replacement	☐ No ☐ Yes
F							☐ Repaired, ☐ Replaced, ☐ Replacement	☐ No ☐ Yes

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

7. Description of work : REPLACED VALVE 1CA58

8. Test Conducted : Hydrostatic ☐ Pneumatic ☐ Nom. Operating Press. ☒ Other ☐ Exempt ☐

Pressure	1100	psig	Test Temp	111	°F
Pressure		psig	Test Temp		°F
Pressure		psig	Test Temp		°F

9. Remarks :

(Applicable Manufacturer's Data Records to be attached)

CERTIFICATE OF COMPLIANCE

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

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

Signed F.R. Sorrow Exec. Supp F R Sorrow Date 07/06 19 98
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Providence of North Carolina and employed by HSBI and I Company of Hartford Connecticut have inspected the components described in this Owner's Report during the period 5-7-98 to 7-6-98 ; and state that to the best of my 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 the 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 R D Klein Commissions NB7728, NC853, N-I
Inspector's Signature National Board, State, Providence and Endorsements

Date 7-6, 1998

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

1. Manufactured and certified by Atwood & Morrill Co., Inc., 285 Canal St., Salem, MA 01970
(name and address of N Certificate Holder)

2. Manufactured for Duke Power Company, Huntersville, NC 28078-8985
(name and address of Purchaser)

3. Location of installation McGuire Nuclear Station, Highway 77, Huntersville, NC 28204
(name and address)

4. Model No., Series No., or Type Gate Valve Drawing 11023-01 Rev. 6 CRN N/A

5. ASME Code, Section III, Division 1: 1989 (edition) 1990 (addenda date) 2 (class) N/A (Code Case no.)

6. Pump or valve Valve Nominal inlet size 4" (in.) Outlet size 4" (in.)

7. Material: Body SA216-WCB Bonnet SA516-70 Disk SA240-304 Bolting N/A

(a) Cert. Holder's Serial No.	(b) Nat'l Board No.	(c) Body Serial No.	(d) Bonnet Serial No.	(e) Disk Serial No.
12-11023-01	N/A	HT#: 97254 S/N: J221	HT#: 802W31661 S/N: 16	HT#: 161267 S/N: 33&34

* Supplemental information in form of lists, sketches, or drawings may be used provided (1) size is 8½ x 11, (2) information in items 1 through 4 on this Data Report is included on each sheet, (3) each sheet is numbered and the number of sheets is recorded at the top of this form.

Certificate Holder's Serial No. 12-11023-01

8. Design conditions 1730 (pressure) psi 567 (temperature) °F or valve pressure class 1500 (1)

9. Cold working pressure 3705 psi at 100°F

10. Hydrostatic test 5625 psi. Disk differential test pressure 4125 psi

11. Remarks: Load Key - SA182 F6A CL. 2 HT # J7124 S/N: 12

CERTIFICATION OF DESIGN

Design Specification certified by R.L. Williams P.E. State NC Reg. no. 8010

Design Report certified by N/A P.E. State N/A Reg. no. N/A

CERTIFICATE OF COMPLIANCE

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

N Certificate of Authorization No. N-2606 Expires 6-13-98

Date 3/30/98 Name Atwood & Morrill Co., Inc. (N Certificate Holder) Signed [signature] (authorized representative)

CERTIFICATE OF INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of MA. and employed by H.S.B.I. & I. Co. of Hartford, CT have inspected the pump, or valve, described in this Data Report on MAR. 30, 1998, and state that to the best of my knowledge and belief, the Certificate Holder has constructed this pump, or valve, in accordance with the ASME Code, Section III, Division 1.

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

Date 3/30/98 Signed [signature] (Authorized Inspector) Commissions MA-1337 (Nat'l. Bd. (incl. endorsements) and state or prov. and no.)

(1) For manually operated valves only.

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

As Required By The Provisions Of The ASME Code Section XI

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

1a. Date 06/22/98

Sheet 1 of 1

2. Plant Address: Mcguire Nuclear Station
   12700 Hagers Ferry Road, Huntersville, NC 28078

2a. Unit: ☒ 1 ☐ 2 ☐ 3 ☐ Shared (specify units) _____

3. Work Performed By: Duke Power Company

3a. Work Order # 98019701
Repair Organization Job #

Address: 526 S. Church Street, Charlotte, NC 28201-1006

Type Code Symbol Stamp: N/A Authorization No. N/A Expiration Date: N/A

3b. NSM or MM # NSM-12475

4. (a) Identification of System: CA

4. (b) Class of System: B

5. (a) Applicable Construction Code: ASME III 1971 Edition, Summer and Winter Addenda, N-416-1 Code Cases

(b) Applicable Edition of Section XI Utilizing for Repairs or Replacements: 1989, No Addenda

6. Identification of Components Repaired or Replaced and Replacement Components:

	Column 1	Column 2	Column 3	Column 4	Column 5	Col. 6	Column 7	Column 8
	Name of Component	Name of Mfg.	Mfg. Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (yes or no)
A	VALVE	WESTERN HYDRAULICS	3875	38	1CA50	1975	☐ Repaired, ☒ Replaced, ☐ Replacement	☐ No ☒ Yes
B	VALVE	ATWOOD & MERRILL	4-11023-01	N/A	1CA50	1998	☐ Repaired, ☐ Replaced, ☒ Replacement	☐ No ☒ Yes
C	1-MCA-CA-H498	DUKE POWER	N/A	N/A	N/A	N/A	☐ Repaired, ☐ Replaced, ☒ Replacement	☒ No ☐ Yes
D							☐ Repaired, ☐ Replaced, ☐ Replacement	☐ No ☐ Yes
E							☐ Repaired, ☐ Replaced, ☐ Replacement	☐ No ☐ Yes
F							☐ Repaired, ☐ Replaced, ☐ Replacement	☐ No ☐ Yes

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

7. Description of work : Replaced valve 1CA50. **SEE REMARKS

8. Test Conducted : Hydrostatic ☐ Pneumatic ☐ Nom. Operating Press. ☒ Other ☐ Exempt ☐

Pressure	1100	psig	Test Temp	111	°F
Pressure		psig	Test Temp		°F
Pressure		psig	Test Temp		°F

9. Remarks :
DELETED ITEMS 1 AND 5, ADDED ITEMS 6 THRU 9 ON 1-MCA-CA-H498

(Applicable Manufacturer's Data Records to be attached)

CERTIFICATE OF COMPLIANCE

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

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

Signed F.R. Sorrow Exec. Supp. F R Sorrow Date 07/06 19 98
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Providence of North Carolina and employed by HSBI and I Company of Hartford Connecticut have inspected the components described in this Owner's Report during the period 5-8-98 to 7-6-98 ; and state that to the best of my 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 the 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 R D Klein Commissions NB7728, NC853, N-I
Inspector's Signature National Board, State, Providence and Endorsements

Date 7-6, 1998

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

1. Manufactured and certified by Atwood & Morrill Co., Inc., 285 Canal St., Salem, MA 01970
(name and address of N Certificate Holder)

2. Manufactured for Duke Power Company, Huntersville, NC 28078-8985
(name and address of Purchaser)

3. Location of installation McGuire Nuclear Station, Highway 77, Huntersville, NC 28204
(name and address)

4. Model No., Series No., or Type Gate Valve Drawing 11023-01 Rev. 6 CRN N/A

5. ASME Code, Section III, Division 1: 1989 (edition) 1990 (addenda date) 2 (class) N/A (Code Case no.)

6. Pump or valve Valve Nominal inlet size 4" (in.) Outlet size 4" (in.)

7. Material: Body SA216-WCB Bonnet SA516-70 Disk SA240-304 Bolting N/A

(a) Cert. Holder's Serial No.	(b) Nat'l Board No.	(c) Body Serial No.	(d) Bonnet Serial No.	(e) Disk Serial No.
4-11023-01	N/A	HT#: 97256	HT#: 802W31661	HT#: 161267
		S/N: J231	S/N: 15	S/N: 21 & 26

* Supplemental information in form of lists, sketches, or drawings may be used provided (1) size is 8½ x 11, (2) information in items 1 through 4 on this Data Report is included on each sheet, (3) each sheet is numbered and the number of sheets is recorded at the top of this form.

Certificate Holder's Serial No. 4-11023-01

8. Design conditions 1730 (pressure) psi 567 (temperature) °F or valve pressure class 1500 (1)

9. Cold working pressure 3705 psi at 100°F

10. Hydrostatic test 5625 psi. Disk differential test pressure 4125 psi

11. Remarks: Load Key - SA182 F6A CL. 2 HT # J7124 , S/N: 4

CERTIFICATION OF DESIGN

Design Specification certified by R.L. Williams P.E. State NC Reg. no. 8010

Design Report certified by N/A P.E. State N/A Reg. no. N/A

CERTIFICATE OF COMPLIANCE

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

N Certificate of Authorization No. N-2606 Expires 6-13-98

Date 3/31/98 Name Atwood & Morrill Co., Inc. (N Certificate Holder) Signed (authorized representative)

CERTIFICATE OF INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of NH and employed by H.S.B.I. & I. Co. of Hartford, CT have inspected the pump, or valve, described in this Data Report on MARCH 31, 1998, and state that to the best of my knowledge and belief, the Certificate Holder has constructed this pump, or valve, in accordance with the ASME Code, Section III, Division 1.

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

Date 3/31/98 Signed (Authorized Inspector) Commissions NH202 "N" (Nat'l. Bd. (incl. endorsements) and state or prov. and no.)

(1) For manually operated valves only.

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

As Required By The Provisions Of The ASME Code Section XI

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

1a. Date 06/22/98

Sheet 1 of 1

2. Plant Address: Mcguire Nuclear Station
   12700 Hagers Ferry Road, Huntersville, NC 28078

2a. Unit: ☒ 1 ☐ 2 ☐ 3 ☐ Shared (specify units) _____

3. Work Performed By: Duke Power Company

3a. Work Order # 98020082
Repair Organization Job #

Address: 526 S. Church Street, Charlotte, NC 28201-1006

Type Code Symbol Stamp: N/A Authorization No. N/A Expiration Date: N/A

3b. NSM or MM # NSM-12475

4. (a) Identification of System: CA

4. (b) Class of System: B

5. (a) Applicable Construction Code: ASME III 1971 Edition, Summer and Winter Addenda, N-416-1 Code Cases

(b) Applicable Edition of Section XI Utilizing for Repairs or Replacements: 1989, No Addenda

6. Identification of Components Repaired or Replaced and Replacement Components:

	Column 1	Column 2	Column 3	Column 4	Column 5	Col. 6	Column 7	Column 8
	Name of Component	Name of Mfg.	Mfg. Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (yes or no)
A	VALVE	WALWORTH	C-57534	235	1CA42	1974	☐ Repaired, ☒ Replaced, ☐ Replacement	☐ No ☒ Yes
B	VALVE	ATWOOD & MERRILL	16-11023-01	N/A	1CA42	1998	☐ Repaired, ☐ Replaced, ☒ Replacement	☐ No ☒ Yes
C	1-MCA-CA-H183	DUKE POWER	N/A	N/A	N/A	N/A	☐ Repaired, ☐ Replaced, ☒ Replacement	☒ No ☐ Yes
D							☐ Repaired, ☐ Replaced, ☐ Replacement	☐ No ☐ Yes
E							☐ Repaired, ☐ Replaced, ☐ Replacement	☐ No ☐ Yes
F							☐ Repaired, ☐ Replaced, ☐ Replacement	☐ No ☐ Yes

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

7. Description of work : Replaced valve 1CA42, and added items 7 thru 11, deleted items 1 thru 6 on hanger

8. Test Conducted : Hydrostatic ☐ Pneumatic ☐ Nom. Operating Press. ☒ Other ☐ Exempt ☐

Pressure	1100	psig	Test Temp	111	°F
Pressure		psig	Test Temp		°F
Pressure		psig	Test Temp		°F

9. Remarks :

(Applicable Manufacturer's Data Records to be attached)

CERTIFICATE OF COMPLIANCE

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

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

Signed F.R. Sorrow Exec. Supp. Date 07/06 19 98
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Providence of North Carolina and employed by HSBI and I Company of Hartford Connecticut have inspected the components described in this Owner's Report during the period 5-6-98 to 7-6-98 ; and state that to the best of my 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 the 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, Providence and Endorsements

Date 7-6, 1998

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

1. Manufactured and certified by Atwood & Morrill Co., Inc., 285 Canal St., Salem, MA 01970
(name and address of N Certificate ~~Holder~~)

2. Manufactured for Duke Power Company, Huntersville, NC 28078-8985
(name and address of Purchaser)

3. Location of installation McGuire Nuclear Station, Highway 77, Huntersville, NC 28204
(name and address)

4. Model No., Series No., or Type Gate Valve Drawing 11023-01 Rev. 6 CRN N/A

5. ASME Code, Section III, Division 1: 1989 (edition) 1990 (addenda date) 2 (class) N/A (Code Case no.)

6. Pump or valve Valve Nominal inlet size 4" (in.) Outlet size 4" (in.)

7. Material: Body SA216-WCB Bonnet SA516-70 Disk SA240-304 Bolting N/A

(a) Cert. Holder's Serial No.	(b) Nat'l Board No.	(c) Body Serial No.	(d) Bonnet Serial No.	(e) Disk Serial No.
16-11023-01	N/A	HT #: 97253 S/N: J220	HT #:802W31661 S/N: 9	HT #: 161267 S/N: 17 & 18

* Supplemental information in form of lists, sketches, or drawings may be used provided (1) size is 8½ × 11, (2) information in items 1 through 4 on this Data Report is included on each sheet, (3) each sheet is numbered and the number of sheets is recorded at the top of this form.

Certificate Holder's Serial No. 16-11023-01

8. Design conditions 1730 (pressure) psi 567 (temperature) °F or valve pressure class 1500 (1)

9. Cold working pressure 3705 psi at 100°F

10. Hydrostatic test 5625 psi. Disk differential test pressure 4125 psi

11. Remarks: Load Key - SA182 F6A CL. 2 HT #J7124 S/N: 16

CERTIFICATION OF DESIGN

Design Specification certified by R.L. Williams P.E. State NC Reg. no. 8010

Design Report certified by N/A P.E. State N/A Reg. no. N/A

CERTIFICATE OF COMPLIANCE

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

N Certificate of Authorization No. N-2606 Expires 6-13-98

Date 3/28/98 Name Atwood & Morrill Co., Inc. (N Certificate Holder) Signed (authorized representative)

CERTIFICATE OF INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of NH and employed by H.S.B.I. & I. Co. of Hartford, CT have inspected the pump, or valve, described in this Data Report on MARCH 28, 1998, and state that to the best of my knowledge and belief, the Certificate Holder has constructed this pump, or valve, in accordance with the ASME Code, Section III, Division 1.

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

Date 3/28/98 Signed (Authorized Inspector) Commissions NH 202 "N" (Nat'l. Bd. (incl. endorsements) and state or prov. and no.)

(1) For manually operated valves only.

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

As Required By The Provisions Of The ASME Code Section XI

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

1a. Date 09/01/98

Sheet 1 of 1

2. Plant Address: Mcguire Nuclear Station
   12700 Hagers Ferry Road, Huntersville, NC 28078

2a. Unit: ☒ 1 ☐ 2 ☐ 3 ☐ Shared (specify units) _____

3. Work Performed By: Duke Power Company

3a. Work Order # 98020082
Repair Organization Job #

Address: 526 S. Church Street, Charlotte, NC 28201-1006

Type Code Symbol Stamp: N/A Authorization No. N/A Expiration Date: N/A

3b. NSM or MM # N/A

4. (a) Identification of System: CA

4. (b) Class of System: B

5. (a) Applicable Construction Code: ASME III 1971 Edition, Summer and Winter Addenda, N/A Code Cases

(b) Applicable Edition of Section XI Utilizing for Repairs or Replacements: 1989, No Addenda

6. Identification of Components Repaired or Replaced and Replacement Components:

	Column 1	Column 2	Column 3	Column 4	Column 5	Col. 6	Column 7	Column 8
	Name of Component	Name of Mfg.	Mfg. Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (yes or no)
A	VALVE	WALWORTH	C-58080	439	1CA-41	1974	☐ Repaired, ☐ Replaced, ☒ Replacement	☐ No ☒ Yes
B							☐ Repaired, ☐ Replaced, ☐ Replacement	☐ No ☐ Yes
C							☐ Repaired, ☐ Replaced, ☐ Replacement	☐ No ☐ Yes
D							☐ Repaired, ☐ Replaced, ☐ Replacement	☐ No ☐ Yes
E							☐ Repaired, ☐ Replaced, ☐ Replacement	☐ No ☐ Yes
F							☐ Repaired, ☐ Replaced, ☐ Replacement	☐ No ☐ Yes

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

7. Description of work : REPLACED BONNET STUDS.

8. Test 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 :

(Applicable Manufacturer's Data Records to be attached)

CERTIFICATE OF COMPLIANCE

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

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

Signed F.R. Sorrow Exec. Supp. F.R. Sorrow Date 09/01 19 98
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Providence of North Carolina and employed by HSBI and I Company of Hartford Connecticut have inspected the components described in this Owner's Report during the period 6-15-98 to 9-2-98 ; and state that to the best of my 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 the 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 R.D. Klein Commissions NB7728, NC853, N-I
Inspector's Signature National Board, State, Province and Endorsements

Date 9-2, 1998

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

As Required By The Provisions Of The ASME Code Section XI

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

1a. Date 06/22/98

Sheet 1 of 1

2. Plant Address: Mcguire Nuclear Station
   12700 Hagers Ferry Road, Huntersville, NC 28078

2a. Unit: ☒ 1 ☐ 2 ☐ 3 ☐ Shared (specify units) _____

3. Work Performed By: Duke Power Company

3a. Work Order # 98020094
Repair Organization Job #

Address: 526 S. Church Street, Charlotte, NC 28201-1006

Type Code Symbol Stamp: N/A Authorization No. N/A Expiration Date: N/A

3b. NSM or MM # nsm-12475

4. (a) Identification of System: CA

4. (b) Class of System: B

5. (a) Applicable Construction Code: ASME III 1971 Edition, Summer and Winter Addenda, N-416-1 Code Cases

(b) Applicable Edition of Section XI Utilizing for Repairs or Replacements: 1989, No Addenda

6. Identification of Components Repaired or Replaced and Replacement Components:

	Column 1	Column 2	Column 3	Column 4	Column 5	Col. 6	Column 7	Column 8
	Name of Component	Name of Mfg.	Mfg. Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (yes or no)
A	VALVE	38	3869	32	1CA38	1975	☐ Repaired, ☒ Replaced, ☐ Replacement	☐ No ☒ Yes
B	VALVE	ATWOOD & MERRILL	8-11023-01	N/A	1CA38	1998	☐ Repaired, ☐ Replaced, ☒ Replacement	☐ No ☒ Yes
C	PIPING SYSTEM	DUKE POWER	N/A	32	1CAFÉ-5120	1981	☐ Repaired, ☐ Replaced, ☒ Replacement	☐ No ☒ Yes
D	1-MCA-CA-H456	DUKE POWER	N/A	N/A	N/A	N/A	☐ Repaired, ☐ Replaced, ☒ Replacement	☒ No ☐ Yes
E	1-MCA-CA-H379	DUKE POWER	N/A	N/A	N/A	N/A	☐ Repaired, ☐ Replaced, ☒ Replacement	☒ No ☐ Yes
F							☐ Repaired, ☐ Replaced, ☐ Replacement	☐ No ☐ Yes

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

7. Description of work : Replaced valve 1CA38, Studs and nuts in 1CAFÉ-5120 **SEE REMARKS

8. Test Conducted : Hydrostatic ☐ Pneumatic ☐ Nom. Operating Press. ☒ Other ☐ Exempt ☐

Pressure	1100	psig	Test Temp	111	°F
Pressure		psig	Test Temp		°F
Pressure		psig	Test Temp		°F

9. Remarks :
ADDED ITEM 6 ON 1-MCA-CA- H456
ADDED ITEM 7 ON 1-MCA-CA-H379

(Applicable Manufacturer's Data Records to be attached)

CERTIFICATE OF COMPLIANCE

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

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

Signed F.R. Sorrow Exec. Supp. F R Sorrow Date 07/06 19 98
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Providence of North Carolina and employed by HSBI and I Company of Hartford Connecticut have inspected the components described in this Owner's Report during the period 5-8-98 to 7-6-98 ; and state that to the best of my 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 the 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 R D Klein Commissions NB7728, NC853, N-I
Inspector's Signature National Board, State, Providence and Endorsements
Date 7-6, 1998

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

1. Manufactured and certified by Atwood & Morrill Co., Inc., 285 Canal St., Salem, MA 01970
(name and address of N Certificate Holder)

2. Manufactured for Duke Power Company, Huntersville, NC 28078-8985
(name and address of Purchaser)

3. Location of installation McGuire Nuclear Station, Highway 77, Huntersville, NC 28204
(name and address)

4. Model No., Series No., or Type Gate Valve Drawing 11023-01 Rev. 6 CRN N/A

5. ASME Code, Section III, Division 1: 1989 (edition) 1990 (addenda date) 2 (class) N/A (Code Case no.)

6. Pump or valve Valve Nominal inlet size 4" (in.) Outlet size 4" (in.)

7. Material: Body SA216-WCB Bonnet SA516-70 Disk SA240-304 Bolting N/A

(a) Cert. Holder's Serial No.	(b) Nat'l Board No.	(c) Body Serial No.	(d) Bonnet Serial No.	(e) Disk Serial No.
5-11023-01	N/A	HT#: 97256 S/N: J229	HT#:802W31661 S/N: 3	HT#: 161267 S/N: 35 & 36
7-11023-01	N/A	HT#: 97256 S/N: J232	HT#:802W31661 S/N: 8	HT#: 161267 S/N: 22 & 23
8-11023-01	N/A	HT#: 97256 S/N: J225	HT#:802W31661 S/N: 17	HT#: 161267 S/N: 5 & 6
9-11023-01	N/A	HT#: 97256 S/N: J224	HT#:802W31661 S/N: 22	HT#: 161267 S/N: 13 & 14

* Supplemental information in form of lists, sketches, or drawings may be used provided (1) size is 8½ × 11, (2) information in items 1 through 4 on this Data Report is included on each sheet, (3) each sheet is numbered and the number of sheets is recorded at the top of this form.

5-11023-01
7-11023-01
8-11023-01
Certificate Holder's Serial No. 9-11023-01

8. Design conditions 1730 (pressure) psi 567 (temperature) °F or valve pressure class 1500 (1)

9. Cold working pressure 3705 psi at 100°F

10. Hydrostatic test 5625 psi. Disk differential test pressure 4125 psi

11. Remarks: Load Key - SA182 F6A CL. 2 HT #:J7124 S/N 5 for S/N 5-11023-01
HT #:J7124 S/N 7 for S/N 7-11023-01
HT #:J7124 S/N 8 for S/N 8-11023-01
HT #:J7124 S/N 9 for S/N 9-11023-01

CERTIFICATION OF DESIGN

Design Specification certified by R.L. Williams P.E. State NC Reg. no. 8010
Design Report certified by N/A P.E. State N/A Reg. no. N/A

CERTIFICATE OF COMPLIANCE

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

N Certificate of Authorization No. N-2606 Expires 6-13-98

Date 3/25/98 Name Atwood & Morrill Co., Inc. (N Certificate Holder) Signed (authorized representative)

CERTIFICATE OF INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of MA and employed by H.S.B.I. & I. Co. of Hartford, CT have inspected the pump, or valve, described in this Data Report on MAR 25, 1998, and state that to the best of my knowledge and belief, the Certificate Holder has constructed this pump, or valve, in accordance with the ASME Code, Section III, Division 1.

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

Date 3/25/98 Signed (Authorized Inspector) Commissions MA-1337 (Nat'l. Bd. (incl. endorsements) and state or prov. and no.)

(1) For manually operated valves only.

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

As Required By The Provisions Of The ASME Code Section XI

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

1a. Date 06/22/98

Sheet 1 of 1

2. Plant Address: Mcguire Nuclear Station
   12700 Hagers Ferry Road, Huntersville, NC 28078

2a. Unit: ☒ 1 ☐ 2 ☐ 3 ☐ Shared (specify units) _____

3. Work Performed By: Duke Power Company

3a. Work Order # 98020217
Repair Organization Job #

Address: 526 S. Church Street, Charlotte, NC 28201-1006

Type Code Symbol Stamp: N/A Authorization No. N/A Expiration Date: N/A

3b. NSM or MM # NSM-12475

4. (a) Identification of System: CA

4. (b) Class of System: B

5. (a) Applicable Construction Code: ASME III 1971 Edition, Summer and Winter Addenda, N-416-1 Code Cases

(b) Applicable Edition of Section XI Utilizing for Repairs or Replacements: 1989, No Addenda

6. Identification of Components Repaired or Replaced and Replacement Components:

	Column 1	Column 2	Column 3	Column 4	Column 5	Col. 6	Column 7	Column 8
	Name of Component	Name of Mfg.	Mfg. Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (yes or no)
A	VALVE	WALWORTH	C-57454	268	1CA62	1974	☐ Repaired, ☒ Replaced, ☐ Replacement	☐ No ☒ Yes
B	VALVE	ATWOOD & MERRILL	1-11023-01	N/A	1CA62	1998	☐ Repaired, ☐ Replaced, ☒ Replacement	☐ No ☒ Yes
C							☐ Repaired, ☐ Replaced, ☐ Replacement	☐ No ☐ Yes
D							☐ Repaired, ☐ Replaced, ☐ Replacement	☐ No ☐ Yes
E							☐ Repaired, ☐ Replaced, ☐ Replacement	☐ No ☐ Yes
F							☐ Repaired, ☐ Replaced, ☐ Replacement	☐ No ☐ Yes

Form NIS -2 (Back)

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

7. Description of work : REPLACED VALVE 1CA62

8. Test Conducted : Hydrostatic ☐ Pneumatic ☐ Nom. Operating Press. ☒ Other ☐ Exempt ☐

Pressure	1100	psig	Test Temp	111	°F
Pressure		psig	Test Temp		°F
Pressure		psig	Test Temp		°F

9. Remarks :

(Applicable Manufacturer's Data Records to be attached)

CERTIFICATE OF COMPLIANCE

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

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

Signed F.R. Sorrow Exec. Supp. F R Sorrow Date 07/06 19 98
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Providence of North Carolina and employed by HSBI and I Company of Hartford Connecticut have inspected the components described in this Owner's Report during the period 5-7-98 to 7-6-98 ; and state that to the best of my 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 the 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 R D Klein Commissions NB7728, NC853, N-I
Inspector's Signature National Board, State, Providence and Endorsements

Date 7-6, 1998

1. Manufactured and certified by Atwood & Morrill Co., Inc., 285 Canal St., Salem, MA 01970
(name and address of N Certificate Holder)

2. Manufactured for Duke Power Company, Huntersville, NC 28078-8985
(name and address of Purchaser)

3. Location of installation McGuire Nuclear Station, Highway 77, Huntersville, NC 28204
(name and address)

4. Model No., Series No., or Type Gate Valve Drawing 11023-01 Rev. 6 CRN N/A

5. ASME Code, Section III, Division 1: 1989 (edition) 1990 (addenda date) 2 (class) N/A (Code Case no.)

6. Pump or valve Valve Nominal inlet size 4" (in.) Outlet size 4" (in.)

7. Material: Body SA216-WCB Bonnet SA516-70 Disk SA240-304 Bolting N/A

(a) Cert. Holder's Serial No.	(b) Nat'l Board No.	(c) Body Serial No.	(d) Bonnet Serial No.	(e) Disk Serial No.
1-11023-01	N/A	HT#: 97256 S/N: J226	HT#: 802W31661 S/N: 4	HT#: 161267 S/N: 31 & 32

* Supplemental information in form of lists, sketches, or drawings may be used provided (1) size is 8½ x 11, (2) information in items 1 through 4 on this Data Report is included on each sheet, (3) each sheet is numbered and the number of sheets is recorded at the top of this form.

Certificate Holder's Serial No. 1-11023-01

8. Design conditions 1730 (pressure) psi 567 (temperature) °F or valve pressure class 1500 (1)

9. Cold working pressure 3705 psi at 100°F

10. Hydrostatic test 5625 psi. Disk differential test pressure 4125 psi

11. Remarks: Load Key - SA182 F6A CL. 2 HT # J7124 S/N: 3

CERTIFICATION OF DESIGN

Design Specification certified by R.L. Williams P.E. State NC Reg. no. 8010

Design Report certified by N/A P.E. State N/A Reg. no. N/A

CERTIFICATE OF COMPLIANCE

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

N Certificate of Authorization No. N-2606 Expires 6-13-98

Date 3/31/98 Name Atwood & Morrill Co., Inc. (N Certificate Holder) Signed (authorized representative)

CERTIFICATE OF INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of NH and employed by H.S.B.I. & I. Co. of Hartford, CT have inspected the pump, or valve, described in this Data Report on MARCH 31, 1998, and state that to the best of my knowledge and belief, the Certificate Holder has constructed this pump, or valve, in accordance with the ASME Code, Section III, Division 1.

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

Date 3/31/98 Signed (Authorized Inspector) Commissions NH202 N" (Nat'l. Bd. (incl. endorsements) and state or prov. and no.)

(1) For manually operated valves only.

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

As Required By The Provisions Of The ASME Code Section XI

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

1a. Date 06/22/98

Sheet 1 of 1

2. Plant Address: Mcguire Nuclear Station
   12700 Hagers Ferry Road, Huntersville, NC 28078

2a. Unit: ☒ 1 ☐ 2 ☐ 3 ☐ Shared (specify units) _____

3. Work Performed By: Duke Power Company

3a. Work Order # 98020225
Repair Organization Job #

Address: 526 S. Church Street, Charlotte, NC 28201-1006

Type Code Symbol Stamp: N/A Authorization No. N/A Expiration Date: N/A

3b. NSM or MM # NSM-12475

4. (a) Identification of System: CA

4. (b) Class of System: B

5. (a) Applicable Construction Code: ASME III 1971 Edition, Summer and Winter Addenda, N-416-1 Code Cases

(b) Applicable Edition of Section XI Utilizing for Repairs or Replacements: 1989, No Addenda

6. Identification of Components Repaired or Replaced and Replacement Components:

	Column 1	Column 2	Column 3	Column 4	Column 5	Col. 6	Column 7	Column 8
	Name of Component	Name of Mfg.	Mfg. Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (yes or no)
A	VALVE	WESTERN HYDRAULICS	3872	35	1CA66	1975	☐ Repaired, ☒ Replaced, ☐ Replacement	☐ No ☒ Yes
B	VALVE	ATWOOD & MERRILL	2-11023-01	N/A	1CA66	1998	☐ Repaired, ☐ Replaced, ☒ Replacement	☐ No ☒ Yes
C							☐ Repaired, ☐ Replaced, ☐ Replacement	☐ No ☐ Yes
D							☐ Repaired, ☐ Replaced, ☐ Replacement	☐ No ☐ Yes
E							☐ Repaired, ☐ Replaced, ☐ Replacement	☐ No ☐ Yes
F							☐ Repaired, ☐ Replaced, ☐ Replacement	☐ No ☐ Yes

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

7. Description of work : REPLACED VALVE 1CA66

8. Test Conducted : Hydrostatic ☐ Pneumatic ☐ Nom. Operating Press. ☒ Other ☐ Exempt ☐

Pressure	1100	psig	Test Temp	111	°F
Pressure		psig	Test Temp		°F
Pressure		psig	Test Temp		°F

9. Remarks :

(Applicable Manufacturer's Data Records to be attached)

CERTIFICATE OF COMPLIANCE

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

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

Signed F.R. Sorrow Exec. Supp F R Sorrow Date 07/06 19 98
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Providence of North Carolina and employed by HSBI and I Company of Hartford Connecticut have inspected the components described in this Owner's Report during the period 5-8-98 to 7-6 98 ; and state that to the best of my 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 the 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 R D Klein Commissions NB7728, NC853, N-I
Inspector's Signature National Board, State, Providence and Endorsements

Date 7-6, 1998

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

1. Manufactured and certified by Atwood & Morrill Co., Inc., 285 Canal St., Salem, MA 01970
(name and address of N Certificate Holder)

2. Manufactured for Duke Power Company, Huntersville, NC 28078-8985
(name and address of Purchaser)

3. Location of installation McGuire Nuclear Station, Highway 77, Huntersville, NC 28204
(name and address)

4. Model No., Series No., or Type Gate Valve Drawing 11023-01 Rev. 6 CRN N/A

5. ASME Code, Section III, Division 1: 1989 (edition) 1990 (addenda date) 2 (class) N/A (Code Case no.)

6. Pump or valve Valve Nominal inlet size 4" (in.) Outlet size 4" (in.)

7. Material: Body SA216-WCB Bonnet SA516-70 Disk SA240-304 Bolting N/A

(a) Cert. Holder's Serial No.	(b) Nat'l Board No.	(c) Body Serial No.	(d) Bonnet Serial No.	(e) Disk Serial No.
2-11023-01	N/A	HT#: 97256 S/N: J230	HT#: 802W31661 S/N: 2	HT#: 161267 S/N: 15 & 19

* Supplemental information in form of lists, sketches, or drawings may be used provided (1) size is 8½ x 11, (2) information in items 1 through 4 on this Data Report is included on each sheet, (3) each sheet is numbered and the number of sheets is recorded at the top of this form.

Certificate Holder's Serial No. 2-11023-01

8. Design conditions 1730 (pressure) psi 567 (temperature) °F or valve pressure class 1500 (1)

9. Cold working pressure 3705 psi at 100°F

10. Hydrostatic test 5625 psi. Disk differential test pressure 4125 psi

11. Remarks: Load Key - SA182 F6A CL. 2 HT #: J7124 S/N: 1

CERTIFICATION OF DESIGN

Design Specification certified by R.L. Williams P.E. State NC Reg. no. 8010

Design Report certified by N/A P.E. State N/A Reg. no. N/A

CERTIFICATE OF COMPLIANCE

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

N Certificate of Authorization No. N-2606 Expires 6-13-98

Date 3/30/98 Name Atwood & Morrill Co., Inc. (N Certificate Holder) Signed (authorized representative)

CERTIFICATE OF INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of MA and employed by H.S.B.I. & I. Co. of Hartford, CT have inspected the pump, or valve, described in this Data Report on MAR 30, 1998, and state that to the best of my knowledge and belief, the Certificate Holder has constructed this pump, or valve, in accordance with the ASME Code, Section III, Division 1.

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

Date 3/30/98 Signed Willie W. Wells (Authorized Inspector) Commissions MA-1337 (Nat'l. Bd. (incl. endorsements) and state or prov. and no.)

(1) For manually operated valves only.

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

As Required By The Provisions Of The ASME Code Section XI

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

1a. Date 09/01/98

Sheet 1 of 1

2. Plant Address: Mcguire Nuclear Station
   12700 Hagers Ferry Road, Huntersville, NC 28078

2a. Unit: ☒ 1 ☐ 2 ☐ 3 ☐ Shared (specify units) _____

3. Work Performed By: Duke Power Company

3a. Work Order # 98020225
Repair Organization Job #

Address: 526 S. Church Street, Charlotte, NC 28201-1006

Type Code Symbol Stamp: N/A Authorization No. N/A Expiration Date: N/A

3b. NSM or MM # N/A

4. (a) Identification of System: CA

4. (b) Class of System: B

5. (a) Applicable Construction Code: ASME III 1971 Edition, Summer and Winter Addenda, N/A Code Cases

(b) Applicable Edition of Section XI Utilizing for Repairs or Replacements: 1989, No Addenda

6. Identification of Components Repaired or Replaced and Replacement Components:

	Column 1	Column 2	Column 3	Column 4	Column 5	Col. 6	Column 7	Column 8
	Name of Component	Name of Mfg.	Mfg. Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (yes or no)
A	VALVE	ATWOOD MORRILL CO.	3-15403-01	349	1CA-65	1986	☐ Repaired, ☐ Replaced, ☒ Replacement	☐ No ☒ Yes
B							☐ Repaired, ☐ Replaced, ☐ Replacement	☐ No ☐ Yes
C							☐ Repaired, ☐ Replaced, ☐ Replacement	☐ No ☐ Yes
D							☐ Repaired, ☐ Replaced, ☐ Replacement	☐ No ☐ Yes
E							☐ Repaired, ☐ Replaced, ☐ Replacement	☐ No ☐ Yes
F							☐ Repaired, ☐ Replaced, ☐ Replacement	☐ No ☐ Yes

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

7. Description of work : REPLACED VALVE DISC.

8. Test 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 :

(Applicable Manufacturer's Data Records to be attached)

CERTIFICATE OF COMPLIANCE

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

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

Signed F.R. Sorrow Exec. Supp. Date 09/01 19 98
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Providence of North Carolina and employed by HSBI and I Company of Hartford Connecticut have inspected the components described in this Owner's Report during the period 6-5-98 to 9-2-98 ; and state that to the best of my 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 the 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 9-2, 1998

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

As Required By The Provisions Of The ASME Code Section XI

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

1a. Date July 9, 1998
Sheet 1 of 1

2. Plant Address: McGuire Nuclear Station
12700 Hagers Ferry Road, Huntersville, NC 28078

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

3. Work Performed By: Duke Power Company
Address: 526 S. Church Street, Charlotte NC 28201-1006

3a. Work Order # : 98023694
Repair Organization Job #

Type Code Symbol Stamp: N/A Authorization No. N/A Expiration Date: N/A

3b. NSM or MM #: NSM 12505

4. (a) Identification of System: GN - Nitrogen 4. (b) Class of System: B

5. (a) Applicable Construction Code: ASME III 1971 Edition, Summer and Winter Addenda, N-416-1 Code Cases
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements: 1989, No Addenda

6. Identification of Components Repaired or Replaced and Replacement Components:

	Column 1 Name of Component	Column 2 Name of Mfg	Column 3 Mfg Serial No.	Column 4 National Board No.	Column 5 Other Identification	Col 6 Year Built	Column 7 Repaired, Replaced, or Replacement	Column 8 ASME Code Stamped (yes or no)
A	Piping	Duke Power	N/A	N/A	GN	1998	☐ Repaired, ☐ Replaced, ☑ Replacement	☑No ☐ Yes
B							☐ Repaired, ☐ Replaced, ☐ Replacement	☐ No ☐ Yes
C							☐ Repaired, ☐ Replaced, ☐ Replacement	☐ No ☐ Yes
D							☐ Repaired, ☐ Replaced, ☐ Replacement	☐ No ☐ Yes
E							☐ Repaired, ☐ Replaced, ☐ Replacement	☐ No ☐ Yes
F							☐ Repaired, ☐ Replaced, ☐ Replacement	☐ No ☐ Yes

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8 1/2 in. x 11 in. (2) information in items1 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 Add new nitrogen piping to valve 1CF35

8. Test Conducted:Hydrostatic ☑ Pneumatic ☐ Nom. Operating Press. ☐ Other ☐ Exempt☐

Pressure 350 psig Test Temp. 88.7 °F
Pressure _____ psig Test Temp. _____ °F
Pressure _____ psig Test Temp. _____ °F

9. Remarks Ref welding isometric Ref welding isometric MCFI-1GN2 & Welds GN1FW2-1 thru GN1FW2-11.

(Applicable Manufacturer's Data Records to be attached).

CERTIFICATE OF COMPLIANCE

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

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

Signed FL Grass Jr.,QA Tech Specialist Date 7/9/, 19 98
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 HSBI and I Company of Hartford Connecticut have inspected the components described in this Owner's Report during the period 5-7-98 to 7-9-98; and state that to the best of my 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 the Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection.

Inspector's Signature

Commissions NB7728,NC853,N-I
National Board, State, Province and Endorsements

Date 7-9, 1998

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

As Required By The Provisions Of The ASME Code Section XI

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

1a. Date July 9, 1998
Sheet 1 of 1

2. Plant Address: McGuire Nuclear Station
12700 Hagers Ferry Road, Huntersville, NC 28078

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

3. Work Performed By: Duke Power Company
Address: 526 S. Church Street, Charlotte NC 28201-1006

3a. Work Order # : 98023729
Repair Organization Job #

Type Code Symbol Stamp: N/A Authorization No. N/A Expiration Date: N/A

3b. NSM or MM #: NSM 12505

4. (a) Identification of System: GN - Nitrogen 4. (b) Class of System: B

5. (a) Applicable Construction Code: ASME III 1971 Edition, Summer and Winter Addenda, N-416-1 Code Cases
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements: 1989, No Addenda

6. Identification of Components Repaired or Replaced and Replacement Components:

	Column 1 Name of Component	Column 2 Name of Mfg	Column 3 Mfg Serial No.	Column 4 National Board No.	Column 5 Other Identification	Col 6 Year Built	Column 7 Repaired, Replaced, or Replacement	Column 8 ASME Code Stamped (yes or no)
A	Piping	Duke Power	N/A	N/A	GN	1998	☐ Repaired, ☐ Replaced, ☑ Replacement	☑No ☐ Yes
B							☐ Repaired, ☐ Replaced, ☐ Replacement	☐ No ☐ Yes
C							☐ Repaired, ☐ Replaced, ☐ Replacement	☐ No ☐ Yes
D							☐ Repaired, ☐ Replaced, ☐ Replacement	☐ No ☐ Yes
E							☐ Repaired, ☐ Replaced, ☐ Replacement	☐ No ☐ Yes
F							☐ Repaired, ☐ Replaced, ☐ Replacement	☐ No ☐ Yes

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8 1/2 in. x 11 in. (2) information in items1 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 Add new nitrogen piping to valve 1CF26

8. Test Conducted:Hydrostatic ☑ Pneumatic ☐ Nom. Operating Press. ☐ Other ☐ Exempt☐

Pressure 350 psig Test Temp. 82 °F
Pressure _____ psig Test Temp. _____ °F
Pressure _____ psig Test Temp. _____ °F

9. Remarks Ref welding isometric Ref welding isometric MCFI-1GN1 & Welds GN1FW1-1 thru GN1FW1-11.

(Applicable Manufacturer's Data Records to be attached)

CERTIFICATE OF COMPLIANCE

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

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

Signed FL Grass Jr.,QA Tech Specialist Date 7/9/, 19 98
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 HSBI and I Company of Hartford Connecticut have inspected the components described in this Owner's Report during the period 5-7-98 to 7-9-98; and state that to the best of my 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 the Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection.

Inspector's Signature

Commissions NB7728, NC853, N-I
National Board, State, Province and Endorsements

Date 7-9, 19 98

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

As Required By The Provisions Of The ASME Code Section XI

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

1a. Date July 9, 1998

Sheet 1 of 1

2. Plant Address: McGuire Nuclear Station
12700 Hagers Ferry Road, Huntersville, NC 28078

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

3. Work Performed By: Duke Power Company
Address: 526 S. Church Street, Charlotte NC 28201-1006

3a. Work Order # : 98023732
Repair Organization Job #

Type Code Symbol Stamp: N/A Authorization No. N/A Expiration Date: N/A

3b. NSM or MM #: NSM 12505

4. (a) Identification of System: GN - Nitrogen 4. (b) Class of System: B

5. (a) Applicable Construction Code: ASME III 1971 Edition, Summer and Winter Addenda, N-416-1 Code Cases
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements: 1989, No Addenda

6. Identification of Components Repaired or Replaced and Replacement Components:

	Column 1 Name of Component	Column 2 Name of Mfg	Column 3 Mfg Serial No.	Column 4 National Board No.	Column 5 Other Identification	Col 6 Year Built	Column 7 Repaired, Replaced, or Replacement	Column 8 ASME Code Stamped (yes or no)
A	Piping	Duke Power	N/A	N/A	GN	1998	☐ Repaired, ☐ Replaced, ☑ Replacement	☑No ☐ Yes
B							☐ Repaired, ☐ Replaced, ☐ Replacement	☐ No ☐ Yes
C							☐ Repaired, ☐ Replaced, ☐ Replacement	☐ No ☐ Yes
D							☐ Repaired, ☐ Replaced, ☐ Replacement	☐ No ☐ Yes
E							☐ Repaired, ☐ Replaced, ☐ Replacement	☐ No ☐ Yes
F							☐ Repaired, ☐ Replaced, ☐ Replacement	☐ No ☐ Yes

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8 1/2 in. x 11 in. (2) information in items1 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 Add new nitrogen piping to valve 1CF30

8. Test Conducted:Hydrostatic ☑ Pneumatic ☐ Nom. Operating Press. ☐ Other ☐ Exempt☐

Pressure 365 psig Test Temp. 78 °F
Pressure _____ psig Test Temp. _____ °F
Pressure _____ psig Test Temp. _____ °F

9. Remarks Ref welding isometric Ref welding isometric MCFI-1GN5 & Welds GN1FW5-1 thru GN1FW5-11.

(Applicable Manufacturer's Data Records to be attached)

CERTIFICATE OF COMPLIANCE

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

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

Signed FL Grass Jr.,QA Tech Specialist Date 7/9/, 19 98
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 HSBI and I Company of Hartford Connecticut have inspected the components described in this Owner's Report during the period 5-1-98 to 7-9-98; and state that to the best of my 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 the Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection.

Inspector's Signature

Commissions NB7728, NC 853, N-I
National Board, State, Province and Endorsements

Date 7-9, 1998

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

As Required By The Provisions Of The ASME Code Section XI

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

1a. Date July 9, 1998
Sheet 1 of 1

2. Plant Address: McGuire Nuclear Station
12700 Hagers Ferry Road, Huntersville, NC 28078

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

3. Work Performed By: Duke Power Company
Address: 526 S. Church Street, Charlotte NC 28201-1006

3a. Work Order # : 98023737
Repair Organization Job #

Type Code Symbol Stamp: N/A Authorization No. N/A Expiration Date: N/A

3b. NSM or MM #: NSM 12505

4. (a) Identification of System: GN - Nitrogen 4. (b) Class of System: B

5. (a) Applicable Construction Code: ASME III 1971 Edition, Summer and Winter Addenda, N-416-1 Code Cases
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements: 1989, No Addenda

6. Identification of Components Repaired or Replaced and Replacement Components:

	Column 1 Name of Component	Column 2 Name of Mfg	Column 3 Mfg Serial No.	Column 4 National Board No.	Column 5 Other Identification	Col 6 Year Built	Column 7 Repaired, Replaced, or Replacement	Column 8 ASME Code Stamped (yes or no)
A	Piping	Duke Power	N/A	N/A	GN	1998	☐ Repaired, ☐ Replaced, ☑ Replacement	☑No ☐ Yes
B							☐ Repaired, ☐ Replaced, ☐ Replacement	☐ No ☐ Yes
C							☐ Repaired, ☐ Replaced, ☐ Replacement	☐ No ☐ Yes
D							☐ Repaired, ☐ Replaced, ☐ Replacement	☐ No ☐ Yes
E							☐ Repaired, ☐ Replaced, ☐ Replacement	☐ No ☐ Yes
F							☐ Repaired, ☐ Replaced, ☐ Replacement	☐ No ☐ Yes

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8 1/2 in. x 11 in. (2) information in items1 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 Add new nitrogen piping to valve 1CF28

8. Test Conducted:Hydrostatic ☑ Pneumatic ☐ Nom. Operating Press. ☐ Other ☐ Exempt☐

Pressure 355 psig Test Temp. 78 °F
Pressure _____ psig Test Temp. _____ °F
Pressure _____ psig Test Temp. _____ °F

9. Remarks Ref welding isometric Ref welding isometric MCFI-1GN6 & Welds GN1FW6-1 thru GN1FW6-11.

(Applicable Manufacturer's Data Records to be attached)

CERTIFICATE OF COMPLIANCE

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

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

Signed FL Grass Jr.,QA Tech Specialist Date 2/9, 19 98
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 HSBI and I Company of Hartford Connecticut have inspected the components described in this Owner's Report during the period 5-4-98 to 7-9-98; and state that to the best of my 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 the Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection.

Inspector's Signature

Commissions NB7728, NC853, N-I
National Board, State, Province and Endorsements

Date 7-9, 1998

ORIGINAL LOST COPY NOW IS ORIGINAL
1/13/2000

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

As Required By The Provisions Of The ASME Code Section XI

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

1a. Date 08/26/98

Sheet 1 of 1

2. Plant Address: Mcguire Nuclear Station
   12700 Hagers Ferry Road, Huntersville, NC 28078

2a. Unit: ☐ 1 ☒ 2 ☐ 3 ☐ Shared (specify units) _____

3. Work Performed By: Duke Power Company

3a. Work Order # 98026510
Repair Organization Job #

Address: 526 S. Church Street, Charlotte, NC 28201-1006

Type Code Symbol Stamp: N/A Authorization No. N/A Expiration Date: N/A

3b. NSM or MM # MGMM-10509

4. (a) Identification of System: STEEL CONTAINMENT VESSEL 4. (b) Class of System: B

5. (a) Applicable Construction Code: ASME III 1971 Edition, Summer and Winter Addenda, N/A Code Cases

(b) Applicable Edition of Section XI Utilizing for Repairs or Replacements: 1989, No Addenda

6. Identification of Components Repaired or Replaced and Replacement Components:

	Column 1	Column 2	Column 3	Column 4	Column 5	Col. 6	Column 7	Column 8
	Name of Component	Name of Mfg.	Mfg. Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (yes or no)
A	PERSONNEL AIRLOCK	W.J. WOOLLEY TRENTEC	AIRLOCK S/N 30805	N/A	N/A	N/A	☐ Repaired, ☐ Replaced, ☒ Replacement	☒ No ☐ Yes
B							☐ Repaired, ☐ Replaced, ☐ Replacement	☐ No ☐ Yes
C							☐ Repaired, ☐ Replaced, ☐ Replacement	☐ No ☐ Yes
D							☐ Repaired, ☐ Replaced, ☐ Replacement	☐ No ☐ Yes
E							☐ Repaired, ☐ Replaced, ☐ Replacement	☐ No ☐ Yes
F							☐ Repaired, ☐ Replaced, ☐ Replacement	☐ No ☐ Yes

ORIGINAL LOST COPY IS NOW ORIGINAL 1/13/2000

Form NIS -2 (Back)

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

7. Description of work : REPLACED STUDS AND NUTS IN EMERGENCY AIR PENETRATION FLANGE COVER (BLIND FLANGE) **

8. Test 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 :
**LOCATED IN UPPER PERSONNEL AIRLOCK

(Applicable Manufacturer's Data Records to be attached)

CERTIFICATE OF COMPLIANCE

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

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

Signed F.R. Sorrow Exec. Supp. F R Sorrow Date 08/26 19 98
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Providence of North Carolina and employed by HSBI and I Company of Hartford Connecticut have inspected the components described in this Owner's Report during the period 8-26-98 to 8-27-98 ; and state that to the best of my 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 the 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 R D Klein Commissions NB7726, NC853, N-1
Inspector's Signature National Board, State, Province and Endorsements

Date 8-27 , 1998

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

As Required By The Provisions Of The ASME Code Section XI

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

1a. Date 10/11/99

Sheet 1 of 1

2. Plant Address: Mcguire Nuclear Station
   12700 Hagers Ferry Road, Huntersville, NC 28078

2a. Unit: ☒ 1 ☐ 2 ☐ 3 ☐ Shared (specify units) _____

3. Work Performed By: Duke Power Company

3a. Work Order # 98027627-28
Repair Organization Job #

Address: 526 S. Church Street, Charlotte, NC 28201-1006

Type Code Symbol Stamp: N/A Authorization No. N/A Expiration Date: N/A

3b. NSM or MM # 12509

4. (a) Identification of System: NI (SAFETY INJECTION)

4. (b) Class of System: B

5. (a) Applicable Construction Code: ASME III 1971 Edition, Summer and Winter Addenda, N-416-1 Code Cases

(b) Applicable Edition of Section XI Utilizing for Repairs or Replacements: 1989, No Addenda (1992 through 1992 Addenda for Class MC and CC and their supports)

6. Identification of Components Repaired or Replaced and Replacement Components:

	Column 1	Column 2	Column 3	Column 4	Column 5	Col. 6	Column 7	Column 8
	Name of Component	Name of Mfg.	Mfg. Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (yes or no)
A	1NI VALVE 10B	WALWORTH	C-54506	7	N/A	1973	☐ Repaired, ☒ Replaced, ☐ Replacement	☐ No ☒ Yes
B	1NI VALVE 10B	BW/IP	E492A-1-2	2101	N/A	1998	☐ Repaired, ☐ Replaced, ☒ Replacement	☐ No ☒ Yes
C	1-MCA-NI-H379	DUKE POWER	N/A	N/A	N/A	1999	☐ Repaired, ☐ Replaced, ☒ Replacement	☒ No ☐ Yes
D							☐ Repaired, ☐ Replaced, ☐ Replacement	☐ No ☐ Yes
E							☐ Repaired, ☐ Replaced, ☐ Replacement	☐ No ☐ Yes
F							☐ Repaired, ☐ Replaced, ☐ Replacement	☐ No ☐ Yes

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

7. Description of work : REPLACED VALVE 1NI 10B WITH NEW VALVE & REPLACED ROD SIZE FOR HANGER 1MCA-NI-H379.

8. Test Conducted : Hydrostatic ☐ Pneumatic ☐ Nom. Operating Press. ☒ Other ☐ Exempt ☐

Pressure	2640	psig	Test Temp	88	°F
Pressure		psig	Test Temp		°F
Pressure		psig	Test Temp		°F

9. Remarks :

(Applicable Manufacturer's Data Records to be attached)

CERTIFICATE OF COMPLIANCE

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

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

Signed E. P. Robinson Exec. Supp. E P Robinson Date 10-20 19 99
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 HSBI and I Company of Hartford Connecticut have inspected the components described in this Owner's Report during the period 9-99 to 10-20-99 ; and state that to the best of my 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 the 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 R D Klein Commissions NB7728, NC853, N-I
Inspector's Signature National Board, State, Province and Endorsements

Date 10-20, 1999

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

1. Manufactured and certified by BW/IP International, Inc. Valve Division 701 First Street, Williamsport, PA. 17701 (name and address of N Certificate Holder)
2. Manufactured for Duke Energy Corporation P.O. Box 1015, Charlotte, NC. 28201-1015. (name and address of Purchaser)
3. Location of installation McGuire Nuclear Site, 13225 Hagers Ferry Rd. Highway 73, Huntersville, NC. 28078-89 (name and address)
4. Model No., Series No., or Type Flex Wedge Gate Drawing W9825122 Rev. B CRN N/A
5. ASME Code, Section III, Division 1: 1989 (edition) 1990 (addenda date) 2 (class) N/A (Code Case no.)
6. Pump or valve Valve Nominal inlet size 4 (in.) Outlet size 4 (in.)
7. Material: Body SA351-CF8M Bonnet SA182-F316 Disk SA351-CF8M ~~Bolting~~ XXX N/A

(a) Cert. Holder's Serial No.	(b) Nat'l Board No.	(c) Body Serial No.	(d) Bonnet Serial No.	(e) Disk Serial No.
E492A-1-1	NB# 2100	Y1173	SN 1	SN 4
INI 10B E492A-1-2	NB# 2101	Y1171	SN 2	SN 2

* Supplemental information in form of lists, sketches, or drawings may be used provided (1) size is 8½ × 11, (2) information in items 1 through 4 on this Data Report is included on each sheet, (3) each sheet is numbered and the number of sheets is recorded at the top of this form.

E492A-1-2

Certificate Holder's Serial No. ____

8. Design conditions 2800 (pressure) psi 250 (temperature) °F or valve pressure class 1500 (1)

9. Cold working pressure 3600 psi at 100°F

10. Hydrostatic test 5400 psi. Disk differential test pressure 3960 psi

11. Remarks: Materials: Vent Pipe; SA312-TP304 Disc Guide; SA479-316. Gasket Retainer; SA240-316

CERTIFICATION OF DESIGN

Design Specification certified by R.L. Williams P.E. State NC Reg. no. 8010

Design Report certified by Ronald S. Farrell P.E. State PA Reg. no. PE-035216E

CERTIFICATE OF COMPLIANCE

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

N Certificate of Authorization No. N1712 Expires 4/15/01

Date 11/25/98 Name BW/IP International, Inc. Valve Division (N Certificate Holder) Signed R R Dekker (authorized representative)

CERTIFICATE OF INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or ~~Province~~ of Pennsylvania and employed by Commercial Union Ins. Co. of Boston, Mass. have inspected the pump, or valve, described in this Data Report on 8-17 thru 11-25-98, and state that to the best of my knowledge and belief, the Certificate Holder has constructed this pump, or valve, in accordance with the ASME Code, Section III, Division 1.

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

Date 11-25-98 Signed Charles Young (Authorized Inspector) Commissions NB 9544 N Pennsylvania 2392 (Nat'l. Bd. (incl. endorsements) and state or prov. and no.)

(1) For manually operated valves only.

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

As Required By The Provisions Of The ASME Code Section XI

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

1a. Date October 19, 1999
Sheet 1 of 1

2. Plant Address: McGuire Nuclear Station
12700 Hagers Ferry Road, Huntersville, NC 28078

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

3. Work Performed By: Duke Power Company
Address: 526 S. Church Street, Charlotte NC 28201-1006

3a. Work Order # : 98028209
Repair Organization Job #

Type Code Symbol Stamp: N/A Authorization No. N/A Expiration Date: N/A

3b. NSM or MM #: N/A

4. (a) Identification of System: SV - Main Steam Vent to Atmosphere

4. (b) Class of System: B

5. (a) Applicable Construction Code: ASME III 1971 Edition, Summer and Winter Addenda, N/A Code Cases
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements: 1989, No Addenda (1992 through 1992 Addenda for Class MC and CC and their supports)

6. Identification of Components Repaired or Replaced and Replacement Components:

	Column 1 Name of Component	Column 2 Name of Mfg	Column 3 Mfg Serial No.	Column 4 National Board No.	Column 5 Other Identification	Col 6 Year Built	Column 7 Repaired, Replaced, or Replacement	Column 8 ASME Code Stamped (yes or no)
A	1-SV-VA-0019	Babcock & Wilcock	15958-2-4	10	V File# 1076	1977	☐ Repaired, ☐ Replaced, ☑Replacement	☐ No ☑Yes
B							☐ Repaired, ☐ Replaced, ☐ Replacement	☐ No ☐ Yes
C							☐ Repaired, ☐ Replaced, ☐ Replacement	☐ No ☐ Yes
D							☐ Repaired, ☐ Replaced, ☐ Replacement	☐ No ☐ Yes
E							☐ Repaired, ☐ Replaced, ☐ Replacement	☐ No ☐ Yes
F							☐ Repaired, ☐ Replaced, ☐ Replacement	☐ No ☐ Yes

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8 1/2 in. x 11 in. (2) information in items1 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 plug and seat ring

8. Test 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 _____

(Applicable Manufacturer's Data Records to be attached)

CERTIFICATE OF COMPLIANCE

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

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

Signed FL Grass Jr., QA Tech Specialist Date 10/19/, 99
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 HSBI and I Company of Hartford Connecticut have inspected the components described in this Owner's Report during the period 9-29-99 to 10-22-99; and state that to the best of my 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 the 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 10-22-1999

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

As Required By The Provisions Of The ASME Code Section XI

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

1a. Date 07/06/98

Sheet 1 of 1

2. Plant Address: Mcguire Nuclear Station
   12700 Hagers Ferry Road, Huntersville, NC 28078

2a. Unit: ☒ 1 ☐ 2 ☐ 3 ☐ Shared (specify units) _____

3. Work Performed By: Duke Power Company

3a. Work Order # 98031778
Repair Organization Job #

Address: 526 S. Church Street, Charlotte, NC 28201-1006

Type Code Symbol Stamp: N/A Authorization No. N/A Expiration Date: N/A

3b. NSM or MM # NSM-12505

4. (a) Identification of System: CF

4. (b) Class of System: B

5. (a) Applicable Construction Code: ASME III 1971 Edition, Summer and Winter Addenda, N/A Code Cases

(b) Applicable Edition of Section XI Utilizing for Repairs or Replacements: 1989, No Addenda

6. Identification of Components Repaired or Replaced and Replacement Components:

	Column 1	Column 2	Column 3	Column 4	Column 5	Col. 6	Column 7	Column 8
	Name of Component	Name of Mfg.	Mfg. Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (yes or no)
A	VALVE	BORG-WARNER	4081	23	1CF26	1975	☒ Repaired, ☐ Replaced, ☐ Replacement	☐ No ☒ Yes
B							☐ Repaired, ☐ Replaced, ☐ Replacement	☐ No ☐ Yes
C							☐ Repaired, ☐ Replaced, ☐ Replacement	☐ No ☐ Yes
D							☐ Repaired, ☐ Replaced, ☐ Replacement	☐ No ☐ Yes
E							☐ Repaired, ☐ Replaced, ☐ Replacement	☐ No ☐ Yes
F							☐ Repaired, ☐ Replaced, ☐ Replacement	☐ No ☐ Yes

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

7. Description of work : BWIP MODIFICATION OF FEEDWATER ISOLATION VALVES

8. Test Conducted : Hydrostatic ☐ Pneumatic ☐ Nom. Operating Press. ☒ Other ☐ Exempt ☐

Pressure	1022	psig	Test Temp	416	°F
Pressure		psig	Test Temp		°F
Pressure		psig	Test Temp		°F

9. Remarks :
Ref. McGuire Procedure TT/1/A/8140/001-Reconfiguire by Modification of valve internals A 18 x 16 Flex Gate Valve to a Parallel Slide Gate Valve.
**Pressure Test to be performed IAW W.O. 98032477

(Applicable Manufacturer's Data Records to be attached)

CERTIFICATE OF COMPLIANCE

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

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

Signed Greg Holbrooks Exec. Supp. G Holbrooks Date 07/07 19 98
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Providence of North Carolina and employed by HSBI and I Company of Hartford Connecticut have inspected the components described in this Owner's Report during the period 6-1-98 to 7-7-98 ; and state that to the best of my 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 the 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 R D Klein Commissions NB7728, NC853, N-I
Inspector's Signature National Board, State, Providence and Endorsements

Date 7-7, 1998

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

As Required By The Provisions Of The ASME Code Section XI

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

1a. Date 07/06/98

Sheet 1 of 1

2. Plant Address: Mcguire Nuclear Station
   12700 Hagers Ferry Road, Huntersville, NC 28078

2a. Unit: ☒ 1 ☐ 2 ☐ 3 ☐ Shared (specify units) _____

3. Work Performed By: Duke Power Company

3a. Work Order # 98032106
Repair Organization Job #

Address: 526 S. Church Street, Charlotte, NC 28201-1006

Type Code Symbol Stamp: N/A Authorization No. N/A Expiration Date: N/A

3b. NSM or MM # NSM-12505

4. (a) Identification of System: CF

4. (b) Class of System: B

5. (a) Applicable Construction Code: ASME III 1971 Edition, Summer and Winter Addenda, N/A Code Cases

(b) Applicable Edition of Section XI Utilizing for Repairs or Replacements: 1989, No Addenda

6. Identification of Components Repaired or Replaced and Replacement Components:

	Column 1	Column 2	Column 3	Column 4	Column 5	Col. 6	Column 7	Column 8
	Name of Component	Name of Mfg.	Mfg. Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (yes or no)
A	VALVE	BORG-WARNER	4084	26	1CF35	1975	☒ Repaired, ☐ Replaced, ☐ Replacement	☐ No ☒ Yes
B							☐ Repaired, ☐ Replaced, ☐ Replacement	☐ No ☐ Yes
C							☐ Repaired, ☐ Replaced, ☐ Replacement	☐ No ☐ Yes
D							☐ Repaired, ☐ Replaced, ☐ Replacement	☐ No ☐ Yes
E							☐ Repaired, ☐ Replaced, ☐ Replacement	☐ No ☐ Yes
F							☐ Repaired, ☐ Replaced, ☐ Replacement	☐ No ☐ Yes

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

7. Description of work : BWIP MODIFICATION OF FEEDWATER ISOLATION VALVES

8. Test Conducted : Hydrostatic ☐ Pneumatic ☐ Nom. Operating Press. ☒ Other ☐ Exempt ☐

Pressure	1023	psig	Test Temp	416	°F
Pressure		psig	Test Temp		°F
Pressure		psig	Test Temp		°F

9. Remarks :
Ref. McGuire Procedure TT/1/A/8140/001- Reconfiguire by Modification of valve internals A 18 x 16 Flex Gate Valve to a Parallel Slide Gate Valve.

** Pressure Test to be performed IAW W.O. 98032972

(Applicable Manufacturer's Data Records to be attached)

CERTIFICATE OF COMPLIANCE

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

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

Signed Greg Holbrooks Exec. Supp. G Holbrooks Date 07/07 19 98
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Providence of North Carolina and employed by HSBI and I Company of Hartford Connecticut have inspected the components described in this Owner's Report during the period 6-98 to 7-7-98 ; and state that to the best of my 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 the 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 R D Klein Commissions NB7728, NC853, N-I
Inspector's Signature National Board, State, Providence and Endorsements

Date 7-7, 1998

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

As Required By The Provisions Of The ASME Code Section XI

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

1a. Date 07/06/98

Sheet 1 of 1

2. Plant Address: Mcguire Nuclear Station
   12700 Hagers Ferry Road, Huntersville, NC 28078

2a. Unit: ☒ 1 ☐ 2 ☐ 3 ☐ Shared (specify units) _____

3. Work Performed By: Duke Power Company

3a. Work Order # 98032209 (Repair Organization Job #)

Address: 526 S. Church Street, Charlotte, NC 28201-1006

Type Code Symbol Stamp: N/A Authorization No. N/A Expiration Date: N/A

3b. NSM or MM # NSM-12505

4. (a) Identification of System: CF

4. (b) Class of System: B

5. (a) Applicable Construction Code: ASME III 1971 Edition, Summer and Winter Addenda, N/A Code Cases

(b) Applicable Edition of Section XI Utilizing for Repairs or Replacements: 1989, No Addenda

6. Identification of Components Repaired or Replaced and Replacement Components:

	Column 1	Column 2	Column 3	Column 4	Column 5	Col. 6	Column 7	Column 8
	Name of Component	Name of Mfg.	Mfg. Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (yes or no)
A	VALVE	BORG-WARNER	4082	24	1CF28	1975	☒ Repaired, ☐ Replaced, ☐ Replacement	☐ No ☒ Yes
B							☐ Repaired, ☐ Replaced, ☐ Replacement	☐ No ☐ Yes
C							☐ Repaired, ☐ Replaced, ☐ Replacement	☐ No ☐ Yes
D							☐ Repaired, ☐ Replaced, ☐ Replacement	☐ No ☐ Yes
E							☐ Repaired, ☐ Replaced, ☐ Replacement	☐ No ☐ Yes
F							☐ Repaired, ☐ Replaced, ☐ Replacement	☐ No ☐ Yes

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

7. Description of work : BWIP MODIFICATION OF FEEDWATER ISOLATION VALVES

8. Test Conducted : Hydrostatic ☐ Pneumatic ☐ Nom. Operating Press. ☒ Other ☐ Exempt ☐

Pressure	1028	psig	Test Temp	416	°F
Pressure		psig	Test Temp		°F
Pressure		psig	Test Temp		°F

9. Remarks :
Ref. McGuire Procedure TT/1/A/8140/001- Reconfiguire by Modification of valve internals A 18 x 16 Flex Gate Valve to a Parallel Slide Gate Valve.
** Pressure Test to be performed IAW W.O. 98032974

(Applicable Manufacturer's Data Records to be attached)

CERTIFICATE OF COMPLIANCE

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

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

Signed Greg Holbrooks Exec. Supp. GHolbrooks Date 07/07 19 98
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Providence of North Carolina and employed by HSBI and I Company of Hartford Connecticut have inspected the components described in this Owner's Report during the period 6-1-98 to 7-7-98 ; and state that to the best of my 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 the 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 RDKlein Commissions NB7728, NC853, N-I
Inspector's Signature National Board, State, Providence and Endorsements

Date 7-7, 1998

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

As Required By The Provisions Of The ASME Code Section XI

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

1a. Date 07/06/98

Sheet 1 of 1

2. Plant Address: Mcguire Nuclear Station
   12700 Hagers Ferry Road, Huntersville, NC 28078

2a. Unit: ☒ 1 ☐ 2 ☐ 3 ☐ Shared (specify units) _____

3. Work Performed By: Duke Power Company

3a. Work Order # 98032210
Repair Organization Job #

Address: 526 S. Church Street, Charlotte, NC 28201-1006

Type Code Symbol Stamp: N/A Authorization No. N/A Expiration Date: N/A

3b. NSM or MM # NSM-12505

4. (a) Identification of System: CF

4. (b) Class of System: B

5. (a) Applicable Construction Code: ASME III 1971 Edition, Summer and Winter Addenda, N/A Code Cases

(b) Applicable Edition of Section XI Utilizing for Repairs or Replacements: 1989, No Addenda

6. Identification of Components Repaired or Replaced and Replacement Components:

	Column 1	Column 2	Column 3	Column 4	Column 5	Col. 6	Column 7	Column 8
	Name of Component	Name of Mfg.	Mfg. Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (yes or no)
A	VALVE	BORG-WARNER	4083	25	1CF30	1975	☒ Repaired, ☐ Replaced, ☐ Replacement	☐ No ☒ Yes
B							☐ Repaired, ☐ Replaced, ☐ Replacement	☐ No ☐ Yes
C							☐ Repaired, ☐ Replaced, ☐ Replacement	☐ No ☐ Yes
D							☐ Repaired, ☐ Replaced, ☐ Replacement	☐ No ☐ Yes
E							☐ Repaired, ☐ Replaced, ☐ Replacement	☐ No ☐ Yes
F							☐ Repaired, ☐ Replaced, ☐ Replacement	☐ No ☐ Yes

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

7. Description of work : BWIP MODIFICATION OF FEEDWATER ISOLATION VALVES

8. Test Conducted : Hydrostatic ☐ Pneumatic ☐ Nom. Operating Press. ☒ Other ☐ Exempt ☐

Pressure	1034	psig	Test Temp	417	°F
Pressure		psig	Test Temp		°F
Pressure		psig	Test Temp		°F

9. Remarks :
Ref. McGuire Procedure TT/1/A/8140/001-Reconfiguire by Modification of valve internals A 18 x 16 Flex Gate Valve to a Parallel Slide Gate Valve.
**Pressure Test to be performed IAW W.O. 98032975

(Applicable Manufacturer's Data Records to be attached)

CERTIFICATE OF COMPLIANCE

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

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

Signed Greg Holbrooks Exec. Supp. Date 07/07 19 98
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Providence of North Carolina and employed by HSBI and I Company of Hartford Connecticut have inspected the components described in this Owner's Report during the period 6-1-98 to 7-7-98 ; and state that to the best of my 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 the 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, Providence and Endorsements

Date 7-7, 19 98

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

As Required By The Provisions Of The ASME Code Section XI

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

1a. Date 07/13/98

Sheet 1 of 1

2. Plant Address: Mcguire Nuclear Station
   12700 Hagers Ferry Road, Huntersville, NC 28078

2a. Unit: ☒ 1 ☐ 2 ☐ 3 ☐ Shared (specify units) _____

3. Work Performed By: Duke Power Company

3a. Work Order # 98051419
Repair Organization Job #

Address: 526 S. Church Street, Charlotte, NC 28201-1006

Type Code Symbol Stamp: N/A Authorization No. N/A Expiration Date: N/A

3b. NSM or MM # N/A

4. (a) Identification of System: FW

4. (b) Class of System: B

5. (a) Applicable Construction Code: ASME III 1971 Edition, Summer and Winter Addenda, N/A Code Cases

(b) Applicable Edition of Section XI Utilizing for Repairs or Replacements: 1989, No Addenda

6. Identification of Components Repaired or Replaced and Replacement Components:

	Column 1	Column 2	Column 3	Column 4	Column 5	Col. 6	Column 7	Column 8
	Name of Component	Name of Mfg.	Mfg. Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (yes or no)
A	1MCA-FW-134B	DUKE POWER	20444	N/A	N/A	N/A	☐ Repaired, ☒ Replaced, ☐ Replacement	☒ No ☐ Yes
B	1MCA-FW-134B	DUKE POWER	18159	N/A	N/A	N/A	☐ Repaired, ☐ Replaced, ☒ Replacement	☒ No ☐ Yes
C							☐ Repaired, ☐ Replaced, ☐ Replacement	☐ No ☐ Yes
D							☐ Repaired, ☐ Replaced, ☐ Replacement	☐ No ☐ Yes
E							☐ Repaired, ☐ Replaced, ☐ Replacement	☐ No ☐ Yes
F							☐ Repaired, ☐ Replaced, ☐ Replacement	☐ No ☐ Yes

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

7. Description of work : REPLACED SNUBBER WITH LIKE KIND

8. Test 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 :

(Applicable Manufacturer's Data Records to be attached)

CERTIFICATE OF COMPLIANCE

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

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

Signed F.R. Sorrow Exec. Supp. F R Sorrow Date 07/13 19 98
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Providence of North Carolina and employed by HSBI and I Company of Hartford Connecticut have inspected the components described in this Owner's Report during the period 6-16-98 to 7-30-98 ; and state that to the best of my 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 the 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 R D Klein Commissions NB7728, NC853, N-I
Inspector's Signature National Board, State, Providence and Endorsements

Date 7-30, 1998

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

As Required By The Provisions Of The ASME Code Section XI

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

1a. Date 8/17/1998

Sheet 1 of 1

2. Plant Address: McGuire Nuclear Station
12700 Hagers Ferry Road, Huntersville, NC 28078

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

3. Work Performed By: Duke Power Company
Address: 526 S. Church Street, Charlotte NC 28201-1006

3a. Work Order # : 98053219
Repair Organization Job #

Type Code Symbol Stamp: N/A Authorization No. N/A Expiration Date: N/A

3b. NSM or MM #: N/A

4. (a) Identification of System: NV - Chemical and Volume Control

4. (b) Class of System: B

5. (a) Applicable Construction Code: ASME III 1971 Edition, Summer and Winter Addenda, N/A Code Cases
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements: 1989, No Addenda

6. Identification of Components Repaired or Replaced and Replacement Components:

	Column 1 Name of Component	Column 2 Name of Mfg	Column 3 Mfg Serial No.	Column 4 National Board No.	Column 5 Other Identification	Col 6 Year Built	Column 7 Repaired, Replaced, or Replacement	Column 8 ASME Code Stamped (yes or no)
A	1MCR-NV-966	Duke Power	14847	N/A	N/A	N/A	☐ Repaired, ☑ Replaced, ☐ Replacement	☑No ☐ Yes
B	1MCR-NV-966	Duke Power	21513	N/A	N/A	N/A	☐ Repaired, ☐ Replaced, ☑ Replacement	☑ No ☐ Yes
C							☐ Repaired, ☐ Replaced, ☐ Replacement	☐ No ☐ Yes
D							☐ Repaired, ☐ Replaced, ☐ Replacement	☐ No ☐ Yes
E							☐ Repaired, ☐ Replaced, ☐ Replacement	☐ No ☐ Yes
F							☐ Repaired, ☐ Replaced, ☐ Replacement	☐ No ☐ Yes

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8 1/2 in. x 11 in. (2) information in items1 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. Test 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 _____

(Applicable Manufacturer's Data Records to be attached)

CERTIFICATE OF COMPLIANCE

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

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

Signed FL Grass Jr.,QA Tech Specialist Date 8/17, 1998
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 HSBI and I Company of Hartford Connecticut have inspected the components described in this Owner's Report during the period 8-17-98 to 8-17-98; and state that to the best of my 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 the Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection.

Inspector's Signature

Commissions NB7728,NC853,N-I
National Board, State, Province and Endorsements

Date 8-17, 1998

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

As Required By The Provisions Of The ASME Code Section XI

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

1a. Date 8/17/1998
Sheet 1 of 1

2. Plant Address: McGuire Nuclear Station
12700 Hagers Ferry Road, Huntersville, NC 28078

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

3. Work Performed By: Duke Power Company
Address: 526 S. Church Street, Charlotte NC 28201-1006

3a. Work Order # : 98053589
Repair Organization Job #

Type Code Symbol Stamp: N/A Authorization No. N/A Expiration Date: N/A

3b. NSM or MM #: N/A

4. (a) Identification of System: CA - Auxiliary Feedwater I

4. (b) Class of System: B

5. (a) Applicable Construction Code: ASME III 1971 Edition, Summer and Winter Addenda, N/A Code Cases
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements: 1989, No Addenda

6. Identification of Components Repaired or Replaced and Replacement Components:

	Column 1 Name of Component	Column 2 Name of Mfg	Column 3 Mfg Serial No.	Column 4 National Board No.	Column 5 Other Identification	Col 6 Year Built	Column 7 Repaired, Replaced, or Replacement	Column 8 ASME Code Stamped (yes or no)
A	1MCR-CA-484	Duke Power	4663	N/A	N/A	N/A	☐ Repaired, ☑ Replaced, ☐ Replacement	☑No ☐ Yes
B	1MCR-CA-484	Duke Power	00272	N/A	N/A	N/A	☐ Repaired, ☐ Replaced, ☑ Replacement	☑ No ☐ Yes
C							☐ Repaired, ☐ Replaced, ☐ Replacement	☐ No ☐ Yes
D							☐ Repaired, ☐ Replaced, ☐ Replacement	☐ No ☐ Yes
E							☐ Repaired, ☐ Replaced, ☐ Replacement	☐ No ☐ Yes
F							☐ Repaired, ☐ Replaced, ☐ Replacement	☐ No ☐ Yes

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8 1/2 in. x 11 in. (2) information in items1 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. Test 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 _____

(Applicable Manufacturer's Data Records to be attached)

CERTIFICATE OF COMPLIANCE

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

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

Signed FL Grass Jr.,QA Tech Specialist Date 8/17, 19 98
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 HSBI and I Company of Hartford Connecticut have inspected the components described in this Owner's Report during the period 6-26-98 to 8-17-98 ; and state that to the best of my 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 the Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection.

Inspector's Signature

Commissions NB7728, NC853, N-I
National Board, State, Province and Endorsements

Date 8-17, 1998

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

As Required By The Provisions Of The ASME Code Section XI

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

1a. Date July 6 1998
Sheet 1 of 1

2. Plant Address: McGuire Nuclear Station
12700 Hagers Ferry Road, Huntersville, NC 28078

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

3. Work Performed By: Duke Power Company
Address: 526 S. Church Street, Charlotte NC 28201-1006

3a. Work Order # : 98060828
Repair Organization Job #

Type Code Symbol Stamp: N/A Authorization No. N/A Expiration Date: N/A

3b. NSM or MM #: MGMM10411

4. (a) Identification of System: VI - Instrument Air 4. (b) Class of System: B

5. (a) Applicable Construction Code: ASME III 1971 Edition, Summer and Winter Addenda, N416-1 Code Cases
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements: 1989, No Addenda

6. Identification of Components Repaired or Replaced and Replacement Components:

	Column 1 Name of Component	Column 2 Name of Mfg	Column 3 Mfg Serial No.	Column 4 National Board No.	Column 5 Other Identification	Col 6 Year Built	Column 7 Repaired, Replaced, or Replacement	Column 8 ASME Code Stamped (yes or no)
A	VI Piping	Duke Power	N/A	34	N/A	1981	☐ Repaired, ☐ Replaced, ☑ Replacement	☐ No ☑ Yes
B							☐ Repaired, ☐ Replaced, ☐ Replacement	☐ No ☐ Yes
C							☐ Repaired, ☐ Replaced, ☐ Replacement	☐ No ☐ Yes
D							☐ Repaired, ☐ Replaced, ☐ Replacement	☐ No ☐ Yes
E							☐ Repaired, ☐ Replaced, ☐ Replacement	☐ No ☐ Yes
F							☐ Repaired, ☐ Replaced, ☐ Replacement	☐ No ☐ Yes

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8 1/2 in. x 11 in. (2) information in items1 through 6 on this report is included on each sheet, and (3) each sheet is numbered and the number of sheets is recorded at the top of this form.

7. Description of Work Install VI tubing header #1 for the CF Isolation valves.

8. Test Conducted:Hydrostatic ☐ Pneumatic ☐ Nom. Operating Press. ☑ Other ☐ Exempt☐

Pressure 97 psig Test Temp. 84 °F
Pressure _____ psig Test Temp. _____ °F
Pressure _____ psig Test Temp. _____ °F

9. Remarks _____

(Applicable Manufacturer's Data Records to be attached)

CERTIFICATE OF COMPLIANCE

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

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

Signed FL Grass Jr.,QA Tech Specialist Date 7/6, 19 98
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 HSBI and I Company of Hartford Connecticut have inspected the components described in this Owner's Report during the period 6-29-98 to 7-7-98 ; and state that to the best of my 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 the Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection.

Inspector's Signature

Commissions NB 7728, NC 853, N-I
National Board, State, Province and Endorsements

Date 7-7, 1998

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

As Required By The Provisions Of The ASME Code Section XI

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

1a. Date July 6 1998
Sheet 1 of 1

2. Plant Address: McGuire Nuclear Station
12700 Hagers Ferry Road, Huntersville, NC 28078

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

3. Work Performed By: Duke Power Company
Address: 526 S. Church Street, Charlotte NC 28201-1006

3a. Work Order # : 98060963
Repair Organization Job #

Type Code Symbol Stamp: N/A Authorization No. N/A Expiration Date: N/A

3b. NSM or MM #: MGMM10411

4. (a) Identification of System: VI - Instrument Air 4. (b) Class of System: B

5. (a) Applicable Construction Code: ASME III 1971 Edition, Summer and Winter Addenda, N416-1 Code Cases
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements: 1989, No Addenda

6. Identification of Components Repaired or Replaced and Replacement Components:

	Column 1 Name of Component	Column 2 Name of Mfg	Column 3 Mfg Serial No.	Column 4 National Board No.	Column 5 Other Identification	Col 6 Year Built	Column 7 Repaired, Replaced, or Replacement	Column 8 ASME Code Stamped (yes or no)
A	VI Piping	Duke Power	N/A	34	N/A	1981	☐ Repaired, ☐ Replaced, ☑ Replacement	☐ No ☑ Yes
B							☐ Repaired, ☐ Replaced, ☐ Replacement	☐ No ☐ Yes
C							☐ Repaired, ☐ Replaced, ☐ Replacement	☐ No ☐ Yes
D							☐ Repaired, ☐ Replaced, ☐ Replacement	☐ No ☐ Yes
E							☐ Repaired, ☐ Replaced, ☐ Replacement	☐ No ☐ Yes
F							☐ Repaired, ☐ Replaced, ☐ Replacement	☐ No ☐ Yes

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8 1/2 in. x 11 in. (2) information in items1 through 6 on this report is included on each sheet, and (3) each sheet is numbered and the number of sheets is recorded at the top of this form.

7. Description of Work Install VI tubing header #3 for the CF Isolation valves.

8. Test Conducted:Hydrostatic ☐ Pneumatic ☐ Nom. Operating Press. ☑ Other ☐ Exempt☐

Pressure 90 psig Test Temp. 84.6 °F
Pressure _____ psig Test Temp. _____ °F
Pressure _____ psig Test Temp. _____ °F

9. Remarks _____

(Applicable Manufacturer's Data Records to be attached)

CERTIFICATE OF COMPLIANCE

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

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

Signed FL Grass Jr.,QA Tech Specialist Date 7/6/, 19 98
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 HSBI and I Company of Hartford Connecticut have inspected the components described in this Owner's Report during the period 6-29-98 to 7-7-98 ; and state that to the best of my 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 the 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

Commissions NB7728, NC853, N-I
National Board, State, Province and Endorsements

Date 7-7, 1998

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

As Required By The Provisions Of The ASME Code Section XI

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

1a. Date July 6 1998
Sheet 1 of 1

2. Plant Address: McGuire Nuclear Station
12700 Hagers Ferry Road, Huntersville, NC 28078

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

3. Work Performed By: Duke Power Company
Address: 526 S. Church Street, Charlotte NC 28201-1006

3a. Work Order # : 98060971
Repair Organization Job #

Type Code Symbol Stamp: N/A Authorization No. N/A Expiration Date: N/A

3b. NSM or MM #: MGMM10411

4. (a) Identification of System: VI - Instrument Air 4. (b) Class of System: B

5. (a) Applicable Construction Code: ASME III 1971 Edition, Summer and Winter Addenda, N416-1 Code Cases
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements: 1989, No Addenda

6. Identification of Components Repaired or Replaced and Replacement Components:

	Column 1 Name of Component	Column 2 Name of Mfg	Column 3 Mfg Serial No.	Column 4 National Board No.	Column 5 Other Identification	Col 6 Year Built	Column 7 Repaired, Replaced, or Replacement	Column 8 ASME Code Stamped (yes or no)
A	VI Piping	Duke Power	N/A	34	N/A	1981	☐ Repaired, ☐ Replaced, ☑ Replacement	☐ No ☑ Yes
B							☐ Repaired, ☐ Replaced, ☐ Replacement	☐ No ☐ Yes
C							☐ Repaired, ☐ Replaced, ☐ Replacement	☐ No ☐ Yes
D							☐ Repaired, ☐ Replaced, ☐ Replacement	☐ No ☐ Yes
E							☐ Repaired, ☐ Replaced, ☐ Replacement	☐ No ☐ Yes
F							☐ Repaired, ☐ Replaced, ☐ Replacement	☐ No ☐ Yes

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8 1/2 in. x 11 in. (2) information in items1 through 6 on this report is included on each sheet, and (3) each sheet is numbered and the number of sheets is recorded at the top of this form.

7. Description of Work Install VI tubing header #5 for the CF Isolation valves.

8. Test Conducted:Hydrostatic ☐ Pneumatic ☐ Nom. Operating Press. ☑ Other ☐ Exempt☐

Pressure 97 psig Test Temp. 84 °F
Pressure _____ psig Test Temp. _____ °F
Pressure _____ psig Test Temp. _____ °F

9. Remarks _____

(Applicable Manufacturer's Data Records to be attached)

CERTIFICATE OF COMPLIANCE

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

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

Signed FL Grass Jr.,QA Tech Specialist Date 7/6/, 1998
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 HSBI and I Company of Hartford Connecticut have inspected the components described in this Owner's Report during the period 6-29-98 to 7-7-98; and state that to the best of my 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 the Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection.

Inspector's Signature

Commissions NB7728, NC 853, N-I
National Board, State, Province and Endorsements

Date 7-7, 1998

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

As Required By The Provisions Of The ASME Code Section XI

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

1a. Date July 6 1998
Sheet 1 of 1

2. Plant Address: McGuire Nuclear Station
12700 Hagers Ferry Road, Huntersville, NC 28078

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

3. Work Performed By: Duke Power Company
Address: 526 S. Church Street, Charlotte NC 28201-1006

3a. Work Order # : 98060972
Repair Organization Job #

Type Code Symbol Stamp: N/A Authorization No. N/A Expiration Date: N/A

3b. NSM or MM #: MGMM10411

4. (a) Identification of System: VI - Instrument Air 4. (b) Class of System: B

5. (a) Applicable Construction Code: ASME III 1971 Edition, Summer and Winter Addenda, N416-1 Code Cases
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements: 1989, No Addenda

6. Identification of Components Repaired or Replaced and Replacement Components:

	Column 1 Name of Component	Column 2 Name of Mfg	Column 3 Mfg Serial No.	Column 4 National Board No.	Column 5 Other Identification	Col 6 Year Built	Column 7 Repaired, Replaced, or Replacement	Column 8 ASME Code Stamped (yes or no)
A	VI Piping	Duke Power	N/A	34	N/A	1981	☐ Repaired, ☐ Replaced, ☑ Replacement	☐ No ☑ Yes
B							☐ Repaired, ☐ Replaced, ☐ Replacement	☐ No ☐ Yes
C							☐ Repaired, ☐ Replaced, ☐ Replacement	☐ No ☐ Yes
D							☐ Repaired, ☐ Replaced, ☐ Replacement	☐ No ☐ Yes
E							☐ Repaired, ☐ Replaced, ☐ Replacement	☐ No ☐ Yes
F							☐ Repaired, ☐ Replaced, ☐ Replacement	☐ No ☐ Yes

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8 1/2 in. x 11 in. (2) information in items1 through 6 on this report is included on each sheet, and (3) each sheet is numbered and the number of sheets is recorded at the top of this form.

7. Description of Work Install VI tubing header #7 for the CF Isolation valves.

8. Test Conducted:Hydrostatic ☐ Pneumatic ☐ Nom. Operating Press. ☑ Other ☐ Exempt☐

Pressure 97 psig Test Temp. 75 °F
Pressure _____ psig Test Temp. _____ °F
Pressure _____ psig Test Temp. _____ °F

9. Remarks _____

(Applicable Manufacturer's Data Records to be attached)

CERTIFICATE OF COMPLIANCE

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

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

Signed FL Grass Jr.,QA Tech Specialist Date 7/6/, 1998
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 HSBI and I Company of Hartford Connecticut have inspected the components described in this Owner's Report during the period 6-29-98 to 7-7-98; and state that to the best of my 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 the Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection.

Inspector's Signature

Commissions NB7728, NC853, N-I
National Board, State, Province and Endorsements

Date 7-7, 1998

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

As Required By The Provisions Of The ASME Code Section XI

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

1a. Date September,26 1999
Sheet 1 of 1

2. Plant Address: McGuire Nuclear Station
   12700 Hagers Ferry Road, Huntersville, NC 28078

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

3. Work Performed By: Duke Power Company
   Address: 526 S. Church Street, Charlotte NC 28201-1006

3a. Work Order # : 98061804
Repair Organization Job #

Type Code Symbol Stamp: N/A Authorization No. N/A Expiration Date: N/A

3b. NSM or MM #: N/A

4. (a) Identification of System: FW -Refueling Water System

4. (b) Class of System: B

5. (a) Applicable Construction Code: ASME III 1971 Edition, Summer and Winter Addenda, N/A Code Cases
   (b) Applicable Edition of Section XI Utilized for Repairs or Replacements: 1989, No Addenda (1992 through 1992 Addenda for Class MC and CC and their supports)

6. Identification of Components Repaired or Replaced and Replacement Components:

	Column 1 Name of Component	Column 2 Name of Mfg	Column 3 Mfg Serial No.	Column 4 National Board No.	Column 5 Other Identification	Col 6 Year Built	Column 7 Repaired, Replaced, or Replacement	Column 8 ASME Code Stamped (yes or no)
A	1MCA-FW-118	Duke Power	19153	N/A	N/A	N/A	☐ Repaired, ☑Replaced, ☐ Replacement	☑No ☐Yes
B	1MCA-FW-118	Duke Power	14752	N/A	N/A	N/A	☐ Repaired, ☐ Replaced, ☑Replacement	☑ No ☐ Yes
C							☐ Repaired, ☐ Replaced, ☐ Replacement	☐ No ☐ Yes
D							☐ Repaired, ☐ Replaced, ☐ Replacement	☐ No ☐ Yes
E							☐ Repaired, ☐ Replaced, ☐ Replacement	☐ No ☐ Yes
F							☐ Repaired, ☐ Replaced, ☐ Replacement	☐ No ☐ Yes

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8 1/2 in. x 11 in. (2) information in items1 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. Test 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 _____

(Applicable Manufacturer's Data Records to be attached)

CERTIFICATE OF COMPLIANCE

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

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

Signed FL Grass Jr., QA Tech Specialist Date 9/24/, 99
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 HSBI and I Company of Hartford Connecticut have inspected the components described in this Owner's Report during the period 9-27-99 to 9-29-99; and state that to the best of my 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 the 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 9-29-99

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

As Required By The Provisions Of The ASME Code Section XI

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

1a. Date September,26 1999
Sheet 1 of 1

2. Plant Address: McGuire Nuclear Station
12700 Hagers Ferry Road, Huntersville, NC 28078

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

3. Work Performed By: Duke Power Company
Address: 526 S. Church Street, Charlotte NC 28201-1006

3a. Work Order # : 98061858
Repair Organization Job #

Type Code Symbol Stamp: N/A Authorization No. N/A Expiration Date: N/A

3b. NSM or MM #: N/A

4. (a) Identification of System: FW -Refueling Water System

4. (b) Class of System: B

5. (a) Applicable Construction Code: ASME III 1971 Edition, Summer and Winter Addenda, N/A Code Cases
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements: 1989, No Addenda (1992 through 1992 Addenda for Class MC and CC and their supports)

6. Identification of Components Repaired or Replaced and Replacement Components:

	Column 1 Name of Component	Column 2 Name of Mfg	Column 3 Mfg Serial No.	Column 4 National Board No.	Column 5 Other Identification	Col 6 Year Built	Column 7 Repaired, Replaced, or Replacement	Column 8 ASME Code Stamped (yes or no)
A	1MCA-FW-120	Duke Power	19514	N/A	N/A	N/A	☐ Repaired, ☑Replaced, ☐ Replacement	☑No ☐Yes
B	1MCA-FW-120	Duke Power	20666	N/A	N/A	N/A	☐ Repaired, ☐ Replaced, ☑Replacement	☑ No ☐ Yes
C							☐ Repaired, ☐ Replaced, ☐ Replacement	☐ No ☐ Yes
D							☐ Repaired, ☐ Replaced, ☐ Replacement	☐ No ☐ Yes
E							☐ Repaired, ☐ Replaced, ☐ Replacement	☐ No ☐ Yes
F							☐ Repaired, ☐ Replaced, ☐ Replacement	☐ No ☐ Yes

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8 1/2 in. x 11 in. (2) information in items1 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. Test 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 _____

(Applicable Manufacturer's Data Records to be attached)

CERTIFICATE OF COMPLIANCE

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

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

Signed FL Grass Jr., QA Tech Specialist Date 9/26/, 99
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 HSBI and I Company of Hartford Connecticut have inspected the components described in this Owner's Report during the period 9-27-99 to 9-29-99; and state that to the best of my 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 the 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 9-29-99

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

As Required By The Provisions Of The ASME Code Section XI

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

1a. Date 09/20/99

Sheet 1 of 1

2. Plant Address: Mcguire Nuclear Station
   12700 Hagers Ferry Road, Huntersville, NC 28078

2a. Unit: ☒ 1 ☐ 2 ☐ 3 ☐ Shared (specify units) _____

3. Work Performed By: Duke Power Company

3a. Work Order # 98062344/01
Repair Organization Job #

Address: 526 S. Church Street, Charlotte, NC 28201-1006

Type Code Symbol Stamp: N/A Authorization No. N/A Expiration Date: N/A

3b. NSM or MM # N/A

4. (a) Identification of System: NV

4. (b) Class of System: B

5. (a) Applicable Construction Code: ASME III 1971 Edition, Summer and Winter Addenda, N/A Code Cases

(b) Applicable Edition of Section XI Utilizing for Repairs or Replacements: 1989, No Addenda (1992 through 1992 Addenda for Class MC and CC and their supports)

6. Identification of Components Repaired or Replaced and Replacement Components:

	Column 1	Column 2	Column 3	Column 4	Column 5	Col. 6	Column 7	Column 8
	Name of Component	Name of Mfg.	Mfg. Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (yes or no)
A	1MCA-NV-471	DUKE POWER	N/A	N/A	18174	N/A	☐ Repaired, ☒ Replaced, ☐ Replacement	☒ No ☐ Yes
B	1MCA-NV-471	DUKE POWER	N/A	N/A	21690	N/A	☐ Repaired, ☐ Replaced, ☒ Replacement	☒ No ☐ Yes
C							☐ Repaired, ☐ Replaced, ☐ Replacement	☐ No ☐ Yes
D							☐ Repaired, ☐ Replaced, ☐ Replacement	☐ No ☐ Yes
E							☐ Repaired, ☐ Replaced, ☐ Replacement	☐ No ☐ Yes
F							☐ Repaired, ☐ Replaced, ☐ Replacement	☐ No ☐ Yes

Form NIS -2 (Back)

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

7. Description of work : PM REPLACEMENT OF SNUBBERS

8. Test 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 :

(Applicable Manufacturer's Data Records to be attached)

CERTIFICATE OF COMPLIANCE

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

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

Signed F. R. Sorrow Exec. Supp F R Sorrow Date 09/20 19 99
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 HSBI and I Company of Hartford Connecticut have inspected the components described in this Owner's Report during the period 9-20-99 to 9-21-99 ; and state that to the best of my 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 the 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 R D Klein Commissions NB7728, NC853, N-I
Inspector's Signature National Board, State, Province and Endorsements

Date 9-21, 1999

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

As Required By The Provisions Of The ASME Code Section XI

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

1a. Date 09/20/99

Sheet 1 of 1

2. Plant Address: Mcguire Nuclear Station
   12700 Hagers Ferry Road, Huntersville, NC 28078

2a. Unit: ☒ 1 ☐ 2 ☐ 3 ☐ Shared (specify units) _____

3. Work Performed By: Duke Power Company

3a. Work Order # 98062389/01
Repair Organization Job #

Address: 526 S. Church Street, Charlotte, NC 28201-1006

Type Code Symbol Stamp: N/A Authorization No. N/A Expiration Date: N/A

3b. NSM or MM # N/A

4. (a) Identification of System: NV

4. (b) Class of System: B

5. (a) Applicable Construction Code: ASME III 1971 Edition, Summer and Winter Addenda, N/A Code Cases

(b) Applicable Edition of Section XI Utilizing for Repairs or Replacements: 1989, No Addenda (1992 through 1992 Addenda for Class MC and CC and their supports)

6. Identification of Components Repaired or Replaced and Replacement Components:

	Column 1	Column 2	Column 3	Column 4	Column 5	Col. 6	Column 7	Column 8
	Name of Component	Name of Mfg.	Mfg. Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (yes or no)
A	1MCA-NV-433	DUKE POWER	N/A	N/A	20842	N/A	☐ Repaired, ☒ Replaced, ☐ Replacement	☒ No ☐ Yes
B	1MCA-NV-433	DUKE POWER	N/A	N/A	21681	N/A	☐ Repaired, ☐ Replaced, ☒ Replacement	☒ No ☐ Yes
C							☐ Repaired, ☐ Replaced, ☐ Replacement	☐ No ☐ Yes
D							☐ Repaired, ☐ Replaced, ☐ Replacement	☐ No ☐ Yes
E							☐ Repaired, ☐ Replaced, ☐ Replacement	☐ No ☐ Yes
F							☐ Repaired, ☐ Replaced, ☐ Replacement	☐ No ☐ Yes

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

7. Description of work : PM REPLACEMENT OF SNUBBERS

8. Test 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 :

(Applicable Manufacturer's Data Records to be attached)

CERTIFICATE OF COMPLIANCE

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

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

Signed F. R. Sorrow Exec. Supp. Date 09/20 19 99
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 HSBI and I Company of Hartford Connecticut have inspected the components described in this Owner's Report during the period 9-20-99 to 9-21-99 ; and state that to the best of my 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 the 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 9-21, 1999

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

As Required By The Provisions Of The ASME Code Section XI

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

1a. Date 09/21/99

Sheet 1 of 1

2. Plant Address: Mcguire Nuclear Station
   12700 Hagers Ferry Road, Huntersville, NC 28078

2a. Unit: ☒ 1 ☐ 2 ☐ 3 ☐ Shared (specify units) _____

3. Work Performed By: Duke Power Company

3a. Work Order # 98062411/01
Repair Organization Job #

Address: 526 S. Church Street, Charlotte, NC 28201-1006

Type Code Symbol Stamp: N/A Authorization No. N/A Expiration Date: N/A

3b. NSM or MM # N/A

4. (a) Identification of System: NV

4. (b) Class of System: B

5. (a) Applicable Construction Code: ASME III 1971 Edition, Summer and Winter Addenda, N/A _____ Code Cases

(b) Applicable Edition of Section XI Utilizing for Repairs or Replacements: 1989, No Addenda (199: through 1992 Addenda for Class MC and CC and their supports)

6. Identification of Components Repaired or Replaced and Replacement Components:

	Column 1	Column 2	Column 3	Column 4	Column 5	Col. 6	Column 7	Column 8
	Name of Component	Name of Mfg.	Mfg. Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (yes or no)
A	1MCA-NV-435	DUKE POWER	N/A	N/A	14934	N/A	☐ Repaired, ☒ Replaced, ☐ Replacement	☒ No ☐ Yes
B	1MCA-NV-435	DUKE POWER	N/A	N/A	19881	N/A	☐ Repaired, ☐ Replaced, ☒ Replacement	☒ No ☐ Yes
C							☐ Repaired, ☐ Replaced, ☐ Replacement	☐ No ☐ Yes
D							☐ Repaired, ☐ Replaced, ☐ Replacement	☐ No ☐ Yes
E							☐ Repaired, ☐ Replaced, ☐ Replacement	☐ No ☐ Yes
F							☐ Repaired, ☐ Replaced, ☐ Replacement	☐ No ☐ Yes

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

7. Description of work : PM REPLACEMENT OF SNUBBERS

8. Test 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 :

(Applicable Manufacturer's Data Records to be attached)

CERTIFICATE OF COMPLIANCE

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

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

Signed F. R. Sorrow Exec. Supp. F R Sorrow Date 09/21 19 99
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 HSBI and I Company of Hartford Connecticut have inspected the components described in this Owner's Report during the period 9-21-99 to 9-21-99 ; and state that to the best of my 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 the 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 R D Klein Commissions NB7728, NC853, N-I
Inspector's Signature National Board, State, Province and Endorsements

Date 9-21, 19 99

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

As Required By The Provisions Of The ASME Code Section XI

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

1a. Date September,26 1999
Sheet 1 of 1

2. Plant Address: McGuire Nuclear Station
12700 Hagers Ferry Road, Huntersville, NC 28078

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

3. Work Performed By: Duke Power Company
Address: 526 S. Church Street, Charlotte NC 28201-1006

3a. Work Order # : 98063679
Repair Organization Job #

Type Code Symbol Stamp: N/A Authorization No. N/A Expiration Date: N/A

3b. NSM or MM #: N/A

4. (a) Identification of System: FW -Refueling Water System

4. (b) Class of System: B

5. (a) Applicable Construction Code: ASME III 1971 Edition, Summer and Winter Addenda, N/A _____ Code Cases
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements: 1989, No Addenda (1992 through 1992 Addenda for Class MC and CC and their supports)

6. Identification of Components Repaired or Replaced and Replacement Components:

	Column 1 Name of Component	Column 2 Name of Mfg	Column 3 Mfg Serial No.	Column 4 National Board No.	Column 5 Other identification	Col 6 Year Built	Column 7 Repaired, Replaced, or Replacement	Column 8 ASME Code Stamped (yes or no)
A	1MCA-FW-126	Duke Power	19159	N/A	N/A	N/A	☐ Repaired, ☑Replaced, ☐ Replacement	☑No ☐Yes
B	1MCA-FW-126	Duke Power	20804	N/A	N/A	N/A	☐ Repaired, ☐ Replaced, ☑Replacement	☑ No ☐ Yes
C							☐ Repaired, ☐ Replaced, ☐ Replacement	☐ No ☐ Yes
D							☐ Repaired, ☐ Replaced, ☐ Replacement	☐ No ☐ Yes
E							☐ Repaired, ☐ Replaced, ☐ Replacement	☐ No ☐ Yes
F							☐ Repaired, ☐ Replaced, ☐ Replacement	☐ No ☐ Yes

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8 1/2 in. x 11 in. (2) information in items1 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. Test 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 _____

(Applicable Manufacturer's Data Records to be attached)

CERTIFICATE OF COMPLIANCE

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

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

Signed FL Grass Jr., QA Tech Specialist Date 9/26, 99
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 HSBI and I Company of Hartford Connecticut have inspected the components described in this Owner's Report during the period 9-27-99 to 9-29-99; and state that to the best of my 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 the 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 9-29-99

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

As Required By The Provisions Of The ASME Code Section XI

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

1a. Date September,26 1999
Sheet 1 of 1

2. Plant Address: McGuire Nuclear Station
12700 Hagers Ferry Road, Huntersville, NC 28078

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

3. Work Performed By: Duke Power Company
Address: 526 S. Church Street, Charlotte NC 28201-1006

3a. Work Order # : 98064319
Repair Organization Job #

Type Code Symbol Stamp: N/A Authorization No. N/A Expiration Date: N/A

3b. NSM or MM #: N/A

4. (a) Identification of System: NV -Chemical and Volume Control System

4. (b) Class of System: B

5. (a) Applicable Construction Code: ASME III 1971 Edition, Summer and Winter Addenda, N/A Code Cases
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements: 1989, No Addenda (1992 through 1992 Addenda for Class MC and CC and their supports)

6. Identification of Components Repaired or Replaced and Replacement Components:

	Column 1 Name of Component	Column 2 Name of Mfg	Column 3 Mfg Serial No.	Column 4 National Board No.	Column 5 Other Identification	Col 6 Year Built	Column 7 Repaired, Replaced, or Replacement	Column 8 ASME Code Stamped (yes or no)
A	1MCA-NV-5522	Duke Power	18121	N/A	N/A	N/A	☐ Repaired, ☑Replaced, ☐ Replacement	☑No ☐Yes
B	1MCA-NV-5522	Duke Power	20519	N/A	N/A	N/A	☐ Repaired, ☐ Replaced, ☑Replacement	☑ No ☐ Yes
C							☐ Repaired, ☐ Replaced, ☐ Replacement	☐ No ☐ Yes
D							☐ Repaired, ☐ Replaced, ☐ Replacement	☐ No ☐ Yes
E							☐ Repaired, ☐ Replaced, ☐ Replacement	☐ No ☐ Yes
F							☐ Repaired, ☐ Replaced, ☐ Replacement	☐ No ☐ Yes

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8 1/2 in. x 11 in. (2) information in items1 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. Test 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 _____

(Applicable Manufacturer's Data Records to be attached)

CERTIFICATE OF COMPLIANCE

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

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

Signed FL Grass Jr., QA Tech Specialist Date 9/26/ 99
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 HSBI and I Company of Hartford Connecticut have inspected the components described in this Owner's Report during the period 9-27-99 to 9-29-99 ; and state that to the best of my 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 the 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 9-29-99

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

As Required By The Provisions Of The ASME Code Section XI

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

1a. Date September,26 1999
Sheet 1 of 1

2. Plant Address: McGuire Nuclear Station
12700 Hagers Ferry Road, Huntersville, NC 28078

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

3. Work Performed By: Duke Power Company
Address: 526 S. Church Street, Charlotte NC 28201-1006

3a. Work Order # : 98064700
Repair Organization Job #

Type Code Symbol Stamp: N/A Authorization No. N/A Expiration Date: N/A

3b. NSM or MM #: N/A

4. (a) Identification of System: FW -Refueling Water System

4. (b) Class of System: P

5. (a) Applicable Construction Code: ASME III 1971 Edition, Summer and Winter Addenda, N/A Code Cases
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements: 1989, No Addenda (1992 through 1992 Addenda for Class MC and CC and their supports)

6. Identification of Components Repaired or Replaced and Replacement Components:

	Column 1 Name of Component	Column 2 Name of Mfg	Column 3 Mfg Serial No.	Column 4 National Board No.	Column 5 Other Identification	Col 6 Year Built	Column 7 Repaired, Replaced, or Replacement	Column 8 ASME Code Stamped (yes or no)
A	1MCA-FW-160 (A)	Duke Power	17374	N/A	N/A	N/A	☐ Repaired, ☑Replaced, ☐ Replacement	☑No ☐Yes
B	1MCA-FW-160 (A)	Duke Power	19552	N/A	N/A	N/A	☐ Repaired, ☐ Replaced, ☑Replacement	☑ No ☐ Yes
C	1MCA-FW-160 (B)	Duke Power	17415	N/A	N/A	N/A	☐ Repaired, ☑ Replaced, ☐ Replacement	☑No ☐ Yes
D	1MCA-FW-160 (B)	Duke Power	16541	N/A	N/A	N/A	☐ Repaired, ☐ Replaced, ☑Replacement	☑No ☐ Yes
E							☐ Repaired, ☐ Replaced, ☐ Replacement	☐ No ☐ Yes
F							☐ Repaired, ☐ Replaced, ☐ Replacement	☐ No ☐ Yes

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8 1/2 in. x 11 in. (2) information in items1 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 snubbers

8. Test 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 _____

(Applicable Manufacturer's Data Records to be attached)

CERTIFICATE OF COMPLIANCE

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

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

Signed FL Grass Jr., QA Tech Specialist Date 9/24, 99
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 HSBI and I Company of Hartford Connecticut have inspected the components described in this Owner's Report during the period 9-27-99 to 9-29-99; and state that to the best of my 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 the 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 9-29-99

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

As Required By The Provisions Of The ASME Code Section XI

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

1a. Date October 15, 1998
Sheet 1 of 1

2. Plant Address: McGuire Nuclear Station
   12700 Hagers Ferry Road, Huntersville, NC 28078

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

3. Work Performed By: Duke Power Company
   Address: 526 S. Church Street, Charlotte NC 28201-1006

3a. Work Order # : 98081414
Repair Organization Job #

Type Code Symbol Stamp: N/A Authorization No. N/A Expiration Date: N/A

3b. NSM or MM #: N/A

4. (a) Identification of System: SM - Main Steam

4. (b) Class of System: B

5. (a) Applicable Construction Code: ASME III 1971 Edition, Summer and Winter Addenda, N/A Code Cases
   (b) Applicable Edition of Section XI Utilized for Repairs or Replacements: 1989, No Addenda

6. Identification of Components Repaired or Replaced and Replacement Components:

	Column 1 Name of Component	Column 2 Name of Mfg	Column 3 Mfg Serial No.	Column 4 National Board No.	Column 5 Other Identification	Col 6 Year Built	Column 7 Repaired, Replaced, or Replacement	Column 8 ASME Code Stamped (yes or no)
A	1MCA-SM-H011	Duke Power	15726	N/A	N/A	N/A	☐ Repaired, ☑Replaced, ☐ Replacement	☑No ☐ Yes
B	1MCA-SM-H011	Duke Power	22391	N/A	N/A	N/A	☐ Repaired, ☐ Replaced, ☑Replacement	☑No ☐ Yes
C							☐ Repaired, ☐ Replaced, ☐ Replacement	☐ No ☐ Yes
D							☐ Repaired, ☐ Replaced, ☐ Replacement	☐ No ☐ Yes
E							☐ Repaired, ☐ Replaced, ☐ Replacement	☐ No ☐ Yes
F							☐ Repaired, ☐ Replaced, ☐ Replacement	☐ No ☐ Yes

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8 1/2 in. x 11 in. (2) information in items1 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. Test 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 _____

(Applicable Manufacturer's Data Records to be attached)

CERTIFICATE OF COMPLIANCE

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

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

Signed FL Grass Jr.,QA Tech Specialist Date 10/15/, 19 98
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 HSBI and I Company of Hartford Connecticut have inspected the components described in this Owner's Report during the period 10-14-98 to 10-16-98; and state that to the best of my 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 the Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection.

Inspector's Signature

Commissions NB7728NC853, N-I
National Board, State, Province and Endorsements

Date 10-16, 1998

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

As Required By The Provisions Of The ASME Code Section XI

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

1a. Date 10/11/99

Sheet 1 of 1

2. Plant Address: Mcguire Nuclear Station
   12700 Hagers Ferry Road, Huntersville, NC 28078

2a. Unit: ☒ 1 ☐ 2 ☐ 3 ☐ Shared (specify units) _____

3. Work Performed By: Duke Power Company

   Address: 526 S. Church Street, Charlotte, NC 28201-1006

3a. Work Order # 98098728-29
Repair Organization Job #

Type Code Symbol Stamp: N/A Authorization No. N/A Expiration Date: N/A

3b. NSM or MM # 12509

4. (a) Identification of System: NI (SAFETY INJECTION)

4. (b) Class of System: B

5. (a) Applicable Construction Code: ASME III 1971 Edition, Summer and Winter Addenda, N-416-1 Code Cases

   (b) Applicable Edition of Section XI Utilizing for Repairs or Replacements: 1989, No Addenda (1992 through 1992 Addenda for Class MC and CC and their supports)

6. Identification of Components Repaired or Replaced and Replacement Components:

	Column 1	Column 2	Column 3	Column 4	Column 5	Col. 6	Column 7	Column 8
	Name of Component	Name of Mfg.	Mfg. Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (yes or no)
A	1NI VALVE 9A	WALWORTH	C-54502	3	N/A	1973	☐ Repaired, ☒ Replaced, ☐ Replacement	☐ No ☒ Yes
B	1NI VALVE 9A	BW/IP	E492A-1-4	2103	N/A	1998	☐ Repaired, ☐ Replaced, ☒ Replacement	☐ No ☒ Yes
C							☐ Repaired, ☐ Replaced, ☐ Replacement	☐ No ☐ Yes
D							☐ Repaired, ☐ Replaced, ☐ Replacement	☐ No ☐ Yes
E							☐ Repaired, ☐ Replaced, ☐ Replacement	☐ No ☐ Yes
F							☐ Repaired, ☐ Replaced, ☐ Replacement	☐ No ☐ Yes

Form NIS -2 (Back)

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

7. Description of work : REPLACED VALVE 1NI 9A WITH NEW VALVE

8. Test Conducted : Hydrostatic ☐ Pneumatic ☐ Nom. Operating Press. ☒ Other ☐ Exempt ☐

Pressure	2640	psig	Test Temp	88	°F
Pressure		psig	Test Temp		°F
Pressure		psig	Test Temp		°F

9. Remarks :

(Applicable Manufacturer's Data Records to be attached)

CERTIFICATE OF COMPLIANCE

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

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

Signed E. P. Robinson Exec. Supp. E P Robinson Date 10-20 19 99
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 HSBI and I Company of Hartford Connecticut have inspected the components described in this Owner's Report during the period 9-5-99 to 10-20-99 ; and state that to the best of my 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 the 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 R D Klein Commissions NB7728, NC853, N-I
Inspector's Signature National Board, State, Province and Endorsements

Date 10-20, 1999

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

1. Manufactured and certified by BW/IP International, Inc. Valve Division 701 First Street, Williamsport, PA. 17701 (name and address of N Certificate Holder)
2. Manufactured for Duke Energy Corporation P.O. Box 1015, Charlotte, NC. 28201-1015. (name and address of Purchaser)
3. Location of installation McGuire Nuclear Site, 13225 Hagers Ferry Rd. Highway 73, Huntersville, NC. 28078-89 (name and address)
4. Model No., Series No., or Type Flex Wedge Gate Drawing W9825122 Rev. B CRN N/A
5. ASME Code, Section III, Division 1: 1989 (edition) 1990 (addenda date) 2 (class) N/A (Code Case no.)
6. Pump or valve Valve Nominal inlet size 4 (in.) Outlet size 4 (in.)
7. Material: Body SA351-CF8M Bonnet SA182-F316 Disk SA351-CF8M ~~Boring~~ XXX N/A

(a) Cert. Holder's Serial No.	(b) Nat'l Board No.	(c) Body Serial No.	(d) Bonnet Serial No.	(e) Disk Serial No.
E492A-1-3	NB# 2102	Y1172	3	1
INT 94 E492A-1-4	NB# 2103	Y1174	4	3

* Supplemental information in form of lists, sketches, or drawings may be used provided (1) size is 8½ × 11, (2) information in items 1 through 4 on this Data Report is included on each sheet, (3) each sheet is numbered and the number of sheets is recorded at the top of this form.

E492A-1-3 & E492A-1-4

Certificate Holder's Serial No. _____

8. Design conditions 2800 (pressure) psi 250 (temperature) °F or valve pressure class 1500 (1)

9. Cold working pressure 3600 psi at 100°F

10. Hydrostatic test 5400 psi. Disk differential test pressure 3960 psi

11. Remarks: Materials: Vent Pipe; SA312-TP304 Disc Guide; SA479-316 Gasket Retainer; SA240-316 Pipe Cap, Vent: SA182-F316L.

CERTIFICATION OF DESIGN

Design Specification certified by R.L. Williams P.E. State NC Reg. no. 8010

Design Report certified by Ronald S. Farrell P.E. State PA Reg. no. PE-035216E

CERTIFICATE OF COMPLIANCE

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

N Certificate of Authorization No. N1712 Expires 4/15/01

Date 12/7/98 Name BW/IP International, Inc. Valve Division (N Certificate Holder) Signed R R Decker (authorized representative)

CERTIFICATE OF INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or ~~Province~~ of Pennsylvania and employed by Commercial Union Ins. Co. of Boston, Mass. have inspected the pump, or valve, described in this Data Report on 7-10 thru 12-7-98, and state that to the best of my knowledge and belief, the Certificate Holder has constructed this pump, or valve, in accordance with the ASME Code, Section III, Division 1.

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

Date 12-7-98 Signed Charles Young (Authorized Inspector) Commissions Pennsylvania 2392 NB9544N (Nat'l. Bd. (incl. endorsements) and state or prov. and no.)

(1) For manually operated valves only.

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

As Required By The Provisions Of The ASME Code Section XI

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

1a. Date October 20, 1999
Sheet 1 of 1

2. Plant Address: McGuire Nuclear Station
12700 Hagers Ferry Road, Huntersville, NC 28078

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

3. Work Performed By: Duke Power Company
Address: 526 S. Church Street, Charlotte NC 28201-1006

3a. Work Order # : 98125280
Repair Organization Job #

Type Code Symbol Stamp: N/A Authorization No. N/A Expiration Date: N/A

3b. NSM or MM #: N/A

4. (a) Identification of System: NC - Reactor Coolant

4. (b) Class of System: B

5. (a) Applicable Construction Code: ASME III 1971 Edition, Summer and Winter Addenda, _____ Code Cases
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements: 1989, No Addenda (1992 through 1992 Addenda for Class MC and CC and their supports)

6. Identification of Components Repaired or Replaced and Replacement Components:

	Column 1 Name of Component	Column 2 Name of Mfg	Column 3 Mfg Serial No.	Column 4 National Board No.	Column 5 Other Identification	Col 6 Year Built	Column 7 Repaired, Replaced, or Replacement	Column 8 ASME Code Stamped (yes or no)
A	1A Steam Generator	B&W	7701-04	157	PO# C23355	1996	☐ Repaired, ☐ Replaced, ☑ Replacement	☐ No ☑ Yes
B							☐ Repaired, ☐ Replaced, ☐ Replacement	☐ No ☐ Yes
C							☐ Repaired, ☐ Replaced, ☐ Replacement	☐ No ☐ Yes
D							☐ Repaired, ☐ Replaced, ☐ Replacement	☐ No ☐ Yes
E							☐ Repaired, ☐ Replaced, ☐ Replacement	☐ No ☐ Yes
F							☐ Repaired, ☐ Replaced, ☐ Replacement	☐ No ☐ Yes

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8 1/2 in. x 11 in. (2) information in items1 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 #2 and #19 Stud and # 19 Nut (Secondary Manway)

8. Test 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 _____

(Applicable Manufacturer's Data Records to be attached)

CERTIFICATE OF COMPLIANCE

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

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

Signed FL Grass Jr., QA Tech Specialist Date 10/20/99
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 HSBI and I Company of Hartford Connecticut have inspected the components described in this Owner's Report during the period 9-28-99 to 10-27-99; and state that to the best of my 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 the 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 R.D. Klein Commissions NB7728, NC853, N-I
Inspector's Signature National Board, State, Province and Endorsements

Date 10-27 1999

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

As Required By The Provisions Of The ASME Code Section XI

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

1a. Date October 13, 1999
Sheet 1 of 1

2. Plant Address: McGuire Nuclear Station
12700 Hagers Ferry Road, Huntersville, NC 28078

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

3. Work Performed By: Duke Power Company
Address: 526 S. Church Street, Charlotte NC 28201-1006

3a. Work Order # : 98128903
Repair Organization Job #

Type Code Symbol Stamp: N/A Authorization No. N/A Expiration Date: N/A

3b. NSM or MM #: N/A

4. (a) Identification of System: NC - Reactor Coolant

4. (b) Class of System: A

5. (a) Applicable Construction Code: ASME III 1971 Edition, Summer and Winter Addenda, N/A Code Cases
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements: 1989, No Addenda (1992 through 1992 Addenda for Class MC and CC and their supports)

6. Identification of Components Repaired or Replaced and Replacement Components:

	Column 1 Name of Component	Column 2 Name of Mfg	Column 3 Mfg Serial No.	Column 4 National Board No.	Column 5 Other Identification	Col 6 Year Built	Column 7 Repaired, Replaced, or Replacement	Column 8 ASME Code Stamped (yes or no)
A	1MCR-NC-574	Duke Power	14835	N/A	N/A	N/A	☐ Repaired, ☑Replaced, ☐ Replacement	☑No ☐ Yes
B	1MCR-NC-574	Duke Power	20512	N/A	N/A	N/A	☐ Repaired, ☐ Replaced, ☑Replacement	☑No ☐ Yes
C							☐ Repaired, ☐ Replaced, ☐ Replacement	☐ No ☐ Yes
D							☐ Repaired, ☐ Replaced, ☐ Replacement	☐ No ☐ Yes
E							☐ Repaired, ☐ Replaced, ☐ Replacement	☐ No ☐ Yes
F							☐ Repaired, ☐ Replaced, ☐ Replacement	☐ No ☐ Yes

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8 1/2 in. x 11 in. (2) information in items1 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. Test 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 _____

(Applicable Manufacturer's Data Records to be attached)

CERTIFICATE OF COMPLIANCE

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

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

Signed FL Grass Jr., QA Tech Specialist Date 10/13/, 99
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 HSBI and I Company of Hartford Connecticut have inspected the components described in this Owner's Report during the period 10-13-99 to 10-16-99; and state that to the best of my 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 the 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 10-16-99

FORM NIS-2 OWNER'S R(:T FOR REPAIRS OR REPLACEMENTS

As Required By The Provisions Of The ASME Code Section XI

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

1a. Date June 3, 1999

Sheet 1 of 1

2. Plant Address: McGuire Nuclear Station
12700 Hagers Ferry Road, Huntersville, NC 28078

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

3. Work Performed By: Duke Power Company
Address: 526 S. Church Street, Charlotte NC 28201-1006

3a. Work Order # : 98129650
Repair Organization Job #

Type Code Symbol Stamp: N/A Authorization No. N/A Expiration Date: N/A

3b. NSM or MM #: N/A

4. (a) Identification of System: ND - Residual Heat Removal 4. (b) Class of System: B

5. (a) Applicable Construction Code: ASME III 1971 Edition, Summer and Winter Addenda, N/A Code Cases
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements: 1989, No Addenda

6. Identification of Components Repaired or Replaced and Replacement Components:

	Column 1 Name of Component	Column 2 Name of Mfg	Column 3 Mfg Serial No.	Column 4 National Board No.	Column 5 Other Identification	Col 6 Year Built	Column 7 Repaired, Replaced, or Replacement	Column 8 ASME Code Stamped (yes or no)
A	1-MCA-ND-H277	Duke Power	14804	N/A	N/A	N/A	☐ Repaired, ☑Replaced, ☐ Replacement	☑No ☐ Yes
B	1-MCA-ND-H277	Duke Power	20703	N/A	N/A	N/A	☐ Repaired, ☐ Replaced, ☑Replacement	☑No ☐ Yes
C							☐ Repaired, ☐ Replaced, ☐ Replacement	☐ No ☐ Yes
D							☐ Repaired, ☐ Replaced, ☐ Replacement	☐ No ☐ Yes
E							☐ Repaired, ☐ Replaced, ☐ Replacement	☐ No ☐ Yes
F							☐ Repaired, ☐ Replaced, ☐ Replacement	☐ No ☐ Yes

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8 1/2 in. x 11 in. (2) information in items1 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. Test 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 _____

(Applicable Manufacturer's Data Records to be attached)

CERTIFICATE OF COMPLIANCE

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

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

Signed FL Grass Jr.,QA Tech Specialist Date 6/3/, 19 99
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 HSBI and I Company of Hartford Connecticut have inspected the components described in this Owner's Report during the period 5-27-99 to 6-4-99; and state that to the best of my 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 the 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.A. Klein
Inspector's Signature

Commissions NB7728, NC 853, N-I
National Board, State, Province and Endorsements

Date 6-4, 19 99 E1-2021

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

As Required By The Provisions Of The ASME Code Section XI

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

1a. Date 10/20/99

Sheet 1 of 1

2. Plant Address: Mcguire Nuclear Station
   12700 Hagers Ferry Road, Huntersville, NC 28078

2a. Unit: ☒ 1 ☐ 2 ☐ 3 ☐ Shared (specify units) _____

3. Work Performed By: Duke Power Company

3a. Work Order # 98143777
Repair Organization Job #

Address: 526 S. Church Street, Charlotte, NC 28201-1006

Type Code Symbol Stamp: N/A Authorization No. N/A Expiration Date: N/A

3b. NSM or MM # N/A

4. (a) Identification of System: FW

4. (b) Class of System: B

5. (a) Applicable Construction Code: ASME III 1971 Edition, Summer and Winter Addenda, N/A Code Cases

(b) Applicable Edition of Section XI Utilizing for Repairs or Replacements: 1989, No Addenda (1992 through 1992 Addenda for Class MC and CC and their supports)

6. Identification of Components Repaired or Replaced and Replacement Components:

	Column 1	Column 2	Column 3	Column 4	Column 5	Col. 6	Column 7	Column 8
	Name of Component	Name of Mfg.	Mfg. Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (yes or no)
A	VALVE	ITT GRINNELL	73-8013-7-8	WR786	1FW-13	1974	☐ Repaired, ☐ Replaced, ☒ Replacement	☐ No ☒ Yes
B							☐ Repaired, ☐ Replaced, ☐ Replacement	☐ No ☐ Yes
C							☐ Repaired, ☐ Replaced, ☐ Replacement	☐ No ☐ Yes
D							☐ Repaired, ☐ Replaced, ☐ Replacement	☐ No ☐ Yes
E							☐ Repaired, ☐ Replaced, ☐ Replacement	☐ No ☐ Yes
F							☐ Repaired, ☐ Replaced, ☐ Replacement	☐ No ☐ Yes

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

7. Description of work : REPLACED VALVE BONNET NUT

8. Test 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 :

(Applicable Manufacturer's Data Records to be attached)

CERTIFICATE OF COMPLIANCE

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

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

Signed F. R. Sorrow Exec. Supp Date 10/20 19 99
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 HSBI and I Company of Hartford Connecticut have inspected the components described in this Owner's Report during the period 10-12-99 to 10-22-99 ; and state that to the best of my 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 the 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 10-22, 1999

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

As Required By The Provisions Of The ASME Code Section XI

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

1a. Date October 5, 1999
Sheet 1 of 1

2. Plant Address: McGuire Nuclear Station
12700 Hagers Ferry Road, Huntersville, NC 28078

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

3. Work Performed By: Duke Power Company
Address: 526 S. Church Street, Charlotte NC 28201-1006

3a. Work Order # : 98143978
Repair Organization Job #

Type Code Symbol Stamp: N/A Authorization No. N/A Expiration Date: N/A

3b. NSM or MM #: N/A

4. (a) Identification of System: CF - Feedwater System 4. (b) Class of System: B

5. (a) Applicable Construction Code: ASME III 1971 Edition, Summer and Winter Addenda, N/A Code Cases
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements: 1989, No Addenda

6. Identification of Components Repaired or Replaced and Replacement Components:

	Column 1 Name of Component	Column 2 Name of Mfg	Column 3 Mfg Serial No.	Column 4 National Board No.	Column 5 Other Identification	Col 6 Year Built	Column 7 Repaired, Replaced, or Replacement	Column 8 ASME Code Stamped (yes or no)
A	1-CF-VA-0160	Walworth	A0169	N/A	N/A	1973	☐ Repaired, ☐Replaced, ☑ Replacement	☐No ☑Yes
B							☐ Repaired, ☐ Replaced, ☐Replacement	☐No ☐ Yes
C							☐ Repaired, ☐ Replaced, ☐ Replacement	☐ No ☐ Yes
D							☐ Repaired, ☐ Replaced, ☐ Replacement	☐ No ☐ Yes
E							☐ Repaired, ☐ Replaced, ☐ Replacement	☐ No ☐ Yes
F							☐ Repaired, ☐ Replaced, ☐ Replacement	☐ No ☐ Yes

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8 1/2 in. x 11 in. (2) information in items1 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 Bonnet Cover Nuts

8. Test 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 _____

(Applicable Manufacturer's Data Records to be attached)

CERTIFICATE OF COMPLIANCE

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

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

Signed FL Grass Jr.,QA Tech Specialist Date 10/5/, 19 99
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 HSBI and I Company of Hartford Connecticut have inspected the components described in this Owner's Report during the period 9-21-99 to 10-7-99; and state that to the best of my 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 the Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection.

Inspector's Signature

Commissions NB7728, NC853, N-I
National Board, State, Province and Endorsements

Date 10-7, 1999

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

As Required By The Provisions Of The ASME Code Section XI

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

1a. Date 10/15/99

Sheet 1 of 1

2. Plant Address: Mcguire Nuclear Station
   12700 Hagers Ferry Road, Huntersville, NC 28078

2a. Unit: ☒ 1 ☐ 2 ☐ 3 ☐ Shared (specify units) _____

3. Work Performed By: Duke Power Company

3a. Work Order # 98151074/01
Repair Organization Job #

Address: 526 S. Church Street, Charlotte, NC 28201-1006

Type Code Symbol Stamp: N/A Authorization No. N/A Expiration Date: N/A

3b. NSM or MM # N/A

4. (a) Identification of System: NV

4. (b) Class of System: B

5. (a) Applicable Construction Code: ASME III 1971 Edition, Summer and Winter Addenda, N/A Code Cases

(b) Applicable Edition of Section XI Utilizing for Repairs or Replacements: 1989, No Addenda (1992 through 1992 Addenda for Class MC and CC and their supports)

6. Identification of Components Repaired or Replaced and Replacement Components:

	Column 1	Column 2	Column 3	Column 4	Column 5	Col. 6	Column 7	Column 8
	Name of Component	Name of Mfg.	Mfg. Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (yes or no)
A	VALVE	FISHER	5921348	789	1NV-238	1976	☐ Repaired, ☐ Replaced, ☒ Replacement	☐ No ☒ Yes
B							☐ Repaired, ☐ Replaced, ☐ Replacement	☐ No ☐ Yes
C							☐ Repaired, ☐ Replaced, ☐ Replacement	☐ No ☐ Yes
D							☐ Repaired, ☐ Replaced, ☐ Replacement	☐ No ☐ Yes
E							☐ Repaired, ☐ Replaced, ☐ Replacement	☐ No ☐ Yes
F							☐ Repaired, ☐ Replaced, ☐ Replacement	☐ No ☐ Yes

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

7. Description of work : REPLACED VALVE PLUG ASSEMBLY

8. Test 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 :

(Applicable Manufacturer's Data Records to be attached)

CERTIFICATE OF COMPLIANCE

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

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

Signed F. R. Sorrow Exec. Supp. Date 10/15 19 99
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 HSBI and I Company of Hartford Connecticut have inspected the components described in this Owner's Report during the period 9-29-99 to 10-22-99 ; and state that to the best of my 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 the 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 10-22, 1999

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

As Required By The Provisions Of The ASME Code Section XI

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

1a. Date October 18, 1999
Sheet 1 of 1

2. Plant Address: McGuire Nuclear Station
12700 Hagers Ferry Road, Huntersville, NC 28078

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

3. Work Performed By: Duke Power Company
Address: 526 S. Church Street, Charlotte NC 28201-1006

3a. Work Order # : 98152994
Repair Organization Job #

Type Code Symbol Stamp: N/A Authorization No. N/A Expiration Date: N/A

3b. NSM or MM #: MM - 11069

4. (a) Identification of System: RF - Fire Protection

4. (b) Class of System: B

5. (a) Applicable Construction Code: ASME III 1971 Edition, Summer and Winter Addenda, N/A Code Cases
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements: 1989, No Addenda (1992 through 1992 Addenda for Class MC and CC and their supports)

6. Identification of Components Repaired or Replaced and Replacement Components:

	Column 1 Name of Component	Column 2 Name of Mfg	Column 3 Mfg Serial No.	Column 4 National Board No.	Column 5 Other Identification	Col 6 Year Built	Column 7 Repaired, Replaced, or Replacement	Column 8 ASME Code Stamped (yes or no)
A	1-RF-VA-0823	TRW	15290	81	N/A	1978	☐ Repaired, ☑Replaced, ☐ Replacement	☐ No ☑Yes
B	1-RF-VA-0823	Anderson - Greenwood	N15029	12	N/A	1982	☐ Repaired, ☐ Replaced, ☑Replacement	☐ No ☑Yes
C							☐ Repaired, ☐ Replaced, ☐ Replacement	☐ No ☐ Yes
D							☐ Repaired, ☐ Replaced, ☐ Replacement	☐ No ☐ Yes
E							☐ Repaired, ☐ Replaced, ☐ Replacement	☐ No ☐ Yes
F							☐ Repaired, ☐ Replaced, ☐ Replacement	☐ No ☐ Yes

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8 1/2 in. x 11 in. (2) information in items1 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 valve

8. Test 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 _____

(Applicable Manufacturer's Data Records to be attached)

CERTIFICATE OF COMPLIANCE

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

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

Signed FL Grass Jr., QA Tech Specialist Date 10/19/99
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 HSBI and I Company of Hartford Connecticut have inspected the components described in this Owner's Report during the period 9-30-99 to 10-19-99; and state that to the best of my 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 the 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 10-19-99

1 KR

MA016

Form NPP - 311A	Rev. 2	Page 1 of 2

RECEIVING INSPECTION REPORT

Purchase Order No: G37498

Station: MNS | MEDB ID. 2352000081N | QA Acpt. No. MC38632

Vendor: Anderson-Greenwood | Manufacture: —

Item No.	Quantity	Pt. No.	Ht. No.	Lot No.	Serial No.
N/A	7	—	—	—	see below

Description: Valve, Check Swing Wafer 4" 1MU181 150 lbs. Class 2

S/N's N15027 N.B.# 10 | S/N N15030 N.B.# 13 | S/N N15032 N.B.# 15 | S/N N15035 N.B.# 18

N15029 " " 12 | " N15031 " " 14 | " N15033 N.B.# 16

CK'd By	Sample Size	Sample P	Sample F	Duke/Vendor D	Duke/Vendor V
MBL	7	7	—	☑	☐
MBL	7	7	—	☑	☐
—	—	—	—	☐	☐
—	—	—	—	☐	☐
—	—	—	—	☐	☐
—	—	—	—	☐	☐
—	—	—	—	☐	☐
—	—	—	—	☐	☐
—	—	—	—	☐	☐

Inspection, Examination and Testing Performed (specify)

- ☑ Visual/Configuration
- ☑ Dimensional ☑ App. ☐ Tolerance
- ☐ Electrical
- ☐ Magnetic
- ☐ Weight
- ☐ Pressure
- ☐ Chem. Analysis
- ☐ Physical Properties
- ☐ Other

Procedures/Standards Used

1. NPP-311 Rev. 2
2. NPP-315 Rev. 0
3. —
4. —

- ☑ QA Condition 1
- ☑ On-Site Cert.# NPP-315
- ☐ Commercial Grade
- ☐ Salvaged/Repaired

Comments/Test Results:
NPP-315 Upgrade

Test, Examination and Inspection Equipment Used:

Instrument Type	Model Number	Serial Number	Calibration Due

Conditional Release
QA Hold Tag No.:
Post Installation Test Procedure:

I. Description of Anomaly

Discussion:

Inspector:

Accepted By: M B Laney (Level II Receiving Inspector) Date: 6-16-93

Final QA Approval: Date: 6/21/93

(2)

FORM NPV-1 MANUFACTURERS' DATA REPORT FOR NUCLEAR PUMPS OR VALVES*

(As Required by the Provisions of the ASME Code, Section III, Div. 1) S.O. # 94.0256/02

1. Manufactured by Anderson, Greenwood & Company, 5425 South Rice Avenue, Houston, TX 77081
(Name and Address of Manufacturer)

2. Manufactured for Duke Power Company, P.O. Box 32307, Charlotte, N.C. 28232
(Name and Address of Purchaser or Owner)

3. Location of Installation Mcguire Nuclear Station, Hwy. 73 Cowans Ford, N.C. 28216
(Name and Address)

4. Pump or Valve valve. Nominal Inlet Size 4 " (inch) Outlet Size 4 " (inch)

	(a) Model No., Series No. or Type	(b) Manufacturers' Serial No.	(c) Canadian Registration No.	(d) Drawing No.	(e) Class	(f) Nat'l. Bd. No.	(g) Year Built
(1)	Wafer Check	N15026 ✓	N/A	N04-2493-520	2	9	1982
(2)	Valve	✓N15027 ✓	N/A	N04-2493-520	2	10	1982
(3)	CV1B-0415-	N15028 ✓	N/A	N04-2493-520	2	11	1982
(4)	SSE-N	✓N15029 ✓	N/A	N04-2493-520	2	12	1982
(5)		✓N15030 ✓	N/A	N04-2493-520	2	13	1982
(6)		✓N15031 ✓	N/A	N04-2493-520	2	14	1982
(7)		✓N15032 ✓	N/A	N04-2493-520	2	15	1982
(8)		✓N15033 ✓	N/A	N04-2493-520	2	16	1982
(9)		N15034 ✓	N/A	N04-2493-520	2	17	1982
(10)		✓N15035	N/A	N04-2493-520	2	18	1982

5. _____
(Brief description of service for which equipment was designed)

6. Design Conditions N/A (Pressure) psi N/A (Temperature) °F or Valve Pressure Class 150 # (1)

7. Cold Working Pressure 285 psi at 100°F.

8. Pressure Retaining Pieces

Mark No.	Material Spec. No.	Manufacturer	Remarks
(a) Castings N/A			
(b) Forgings			
N04-2473-002 (A124)	SA182-F316	AGCO	Body

(1) For manually operated valves only.

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

(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

FORM NPV-1 (Back)

Mark No.	Material Spec. No.	Manufacturer	Remarks
(c) Bolting			
N04-2309-203 (A119)	SA193-B8M	Texas Bolt	Bolt
(d) Other Parts			
N04-2325-002 (A128)	SA479-316	AGCO	Disc
N04-2474-001 (A114) (A120)	SA564-630-H1100	AGCO	Bushing, Hinge Pin

9. Hydrostatic test 425 psi.

CERTIFICATE OF COMPLIANCE

We certify that the statements made in this report are correct and that this pump, or valve, conforms to the rules of construction of the ASME Code for Nuclear Power Plant Components. Section III, Div. 1., Edition 1980, Addenda S-80 (Date), Code Case No. N/A, Date 2/8/82

Signed Anderson, Greenwood & Company (Manufacturer) by Grant C. Dongan

Our ASME Certificate of Authorization No. 2203 to use the N (N) (NPV) symbol expires 8/4/84 (Date).

CERTIFICATION OF DESIGN

Design information on file at Anderson, Greenwood & Company

Stress analysis report (Class 1 only) on file at N/A

Design specifications certified by (1) Robert E. Miller

PE State N. Carolina Reg. No. 4860

Stress analysis certified by (1) George Findlay

PE State Texas Reg. No. 49905

(1) Signature not required. List name only.

CERTIFICATE OF SHOP INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Texas and employed by C.U.I.C. of Boston, Mass. have inspected the pump, or valve, described in this Data Report on 2/9 19 82, and state that to the best of my knowledge and belief, the Manufacturer has constructed this pump, or valve, in accordance with the ASME Code, Section III.

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

Date 2/10, 19 82

(Inspector)

Commissions Natl Bd # 9099

(Nat'l Bd., State, Prov. and No.)

Form NPP- 315A	PAGE 1 of 2	REVISION 0

CERTIFICATION OF QA CONDITION

MC38632

1. **PURPOSE:**
To change item

FROM: Non-QA ✓ QA Condition NA; Protection level NA

TO: QA Condition 1; Protection level B.

The Item to be certified must be a direct replacement for items already evaluated for QA Condition applications in the nuclear plant.

2. **DESCRIPTION OF ITEMS:**

EXISTING APPLICATION ITEM: MEDB No. 2352 0008/N

Description: 4" SWING CHECK VALVE

Manufacturer ANDERSON-GREENWOOD
Serial No./Model No.: VARIOUS
Purchase Order Number /Date: G37498
Application: 1MV-181 DESIGN APPLICATIONS

Restrictions: NONE

Attach original specifications and documentation for existing item:

ITEM TO BE CERTIFIED: Current MEDB No. 2352 0008/N

Description: 4" SWING CHECK VALVE

Quantity: 1
Manufacturer ANDERSON-GREENWOOD Supplier ANDERSON-GREENWOOD
Serial No./Model No.: N15029
Heat number:
Original Purchase Order Number/Date:
Is the Vendor on the Approved Supplier List for item? YES ✓ NO
Is item prohibited by the Prohibited Items List? YES NO ✓
(Items on the Prohibited Items List may not be certified)
Application: EXISTING 1MV181 APPLICATIONS

Restrictions: NONE

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

As Required By The Provisions Of The ASME Code Section XI

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

1a. Date 10/15/99

Sheet 1 of 1

2. Plant Address: Mcguire Nuclear Station
   12700 Hagers Ferry Road, Huntersville, NC 28078

2a. Unit: ☒ 1 ☐ 2 ☐ 3 ☐ Shared (specify units) _____

3. Work Performed By: Duke Power Company

3a. Work Order # 98153415/01
Repair Organization Job #

Address: 526 S. Church Street, Charlotte, NC 28201-1006

Type Code Symbol Stamp: N/A Authorization No. N/A Expiration Date: N/A

3b. NSM or MM # N/A

4. (a) Identification of System: NV

4. (b) Class of System: B

5. (a) Applicable Construction Code: ASME III 1971 Edition, Summer and Winter Addenda, N/A Code Cases

(b) Applicable Edition of Section XI Utilizing for Repairs or Replacements: 1989, No Addenda (1992 through 1992 Addenda for Class MC and CC and their supports)

6. Identification of Components Repaired or Replaced and Replacement Components:

	Column 1	Column 2	Column 3	Column 4	Column 5	Col. 6	Column 7	Column 8
	Name of Component	Name of Mfg.	Mfg. Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (yes or no)
A	VALVE	FISHER	5921350	791	1NV-241	1975	☐ Repaired, ☐ Replaced, ☒ Replacement	☐ No ☒ Yes
B							☐ Repaired, ☐ Replaced, ☐ Replacement	☐ No ☐ Yes
C							☐ Repaired, ☐ Replaced, ☐ Replacement	☐ No ☐ Yes
D							☐ Repaired, ☐ Replaced, ☐ Replacement	☐ No ☐ Yes
E							☐ Repaired, ☐ Replaced, ☐ Replacement	☐ No ☐ Yes
F							☐ Repaired, ☐ Replaced, ☐ Replacement	☐ No ☐ Yes

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

7. Description of work : REPLACED VALVE PLUG ASSEMBLY

8. Test 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 :

(Applicable Manufacturer's Data Records to be attached)

CERTIFICATE OF COMPLIANCE

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

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

Signed F. R. Sorrow Exec. Supp F R Sorrow Date 10/15 19 99
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 HSBI and I Company of Hartford Connecticut have inspected the components described in this Owner's Report during the period 9-30-99 to 10-22-99 ; and state that to the best of my 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 the 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 R D Klein Commissions NB7728, NC853, N-I
Inspector's Signature National Board, State, Province and Endorsements

Date 10-22, 1999

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

As Required By The Provisions Of The ASME Code Section XI

1. Owner Address: Duke Power Company — 1a. Date 10/7/99

   526 S. Church Street, Charlotte, NC 28201-1006 — Sheet 1 of 1

2. Plant Address: Mcguire Nuclear Station

   12700 Hagers Ferry Road, Huntersville, NC 28078

2a. Unit: ☒ 1 ☐ 2 ☐ 3 ☐ Shared (specify units) _____

3. Work Performed By: Duke Power Company — 3a. Work Order # 98157116-31 (Repair Organization Job #)

   Address: 526 S. Church Street, Charlotte, NC 28201-1006

   Type Code Symbol Stamp: N/A Authorization No. N/A Expiration Date: N/A — 3b. NSM or MM # MM 9421

4. (a) Identification of System: NS (CONTAINMENT SPRAY) — 4. (b) Class of System: B

5. (a) Applicable Construction Code: ASME III 1971 Edition, Summer and Winter Addenda, N-416-1 Code Cases

   (b) Applicable Edition of Section XI Utilizing for Repairs or Replacements: 1989, No Addenda (1992 through 1992 Addenda for Class MC and CC and their supports)

6. Identification of Components Repaired or Replaced and Replacement Components:

	Column 1	Column 2	Column 3	Column 4	Column 5	Col. 6	Column 7	Column 8
	Name of Component	Name of Mfg.	Mfg. Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (yes or no)
A	1NS VALVE 161	ATWOOD/MORRILL	3-11382-01	398	N/A	1998	☐ Repaired, ☐ Replaced, ☒ Replacement	☐ No ☒ Yes
B	1-MCA-NS-H1	DUKE POWER	N/A	N/A	N/A	1999	☐ Repaired, ☐ Replaced, ☒ Replacement	☒ No ☐ Yes
C							☐ Repaired, ☐ Replaced, ☐ Replacement	☐ No ☐ Yes
D							☐ Repaired, ☐ Replaced, ☐ Replacement	☐ No ☐ Yes
E							☐ Repaired, ☐ Replaced, ☐ Replacement	☐ No ☐ Yes
F							☐ Repaired, ☐ Replaced, ☐ Replacement	☐ No ☐ Yes

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

7. Description of work : ADDED VALVE INS 161 AND CHANGED HANGER ITEMS 3,4,5,10,&11 ON HANGER 1-MCA-NS-H1

8. Test Conducted : Hydrostatic ☐ Pneumatic ☐ Nom. Operating Press. ☒ Other ☐ Exempt ☐

Pressure	208	psig	Test Temp	78	°F
Pressure		psig	Test Temp		°F
Pressure		psig	Test Temp		°F

9. Remarks :

(Applicable Manufacturer's Data Records to be attached)

CERTIFICATE OF COMPLIANCE

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

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

Signed E. P. Robinson Exec. Supp. E. P. Robinson Date 10-25 19 99
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 HSBI and I Company of Hartford Connecticut have inspected the components described in this Owner's Report during the period 5-25-99 to 10-21-99 ; and state that to the best of my 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 the 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 R. D. Klein Commissions NB7728, NC853, N-I
Inspector's Signature National Board, State, Province and Endorsements

Date 10-21, 1999

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

1. Manufactured and certified by Atwood & Morrill Co., Inc. 285 Canal Street, Salem, MA 01970
(name and address of N Certificate Holder)

2. Manufactured for Duke Energy Corp., 13225 Hagers Ferry Rd., Huntersville, NC 28078-8985
(name and address of Purchaser)

3. Location of installation McGuire, 13225 Hagers Ferry Rd., Hwy. 73, Huntersville, NC 28078-8985
(name and address)

4. Model No., Series No., or Type Swing Check Drawing 11382-01 Rev. 02 CRN N/A

5. ASME Code, Section III, Division 1: 1983 (edition) Summer 84 (addenda date) 2 (class) N/A (Code Case no.)

6. Pump or valve Valve Nominal inlet size 10" (in.) Outlet size 10" (in.)

7. Material: Body SA351-CF8M Bonnet SA240-316 Disk SA351-CF8M Bolting See Remarks

(a) Cert. Holder's Serial No.	(b) Nat'l Board No.	(c) Body Serial No.	(d) Bonnet Serial No.	(e) Disk Serial No.
3-11382-01	NB 398	HT#: 98184 S/N: K254	HT#: 180269 S/N: 3	HT#: 98157 S/N: K257

* Supplemental information in form of lists, sketches, or drawings may be used provided (1) size is 8½ × 11, (2) information in items 1 through 4 on this Data Report is included on each sheet, (3) each sheet is numbered and the number of sheets is recorded at the top of this form.

Certificate Holder's Serial No. 3-11382-01

8. Design conditions 290 (pressure) psi 100 (temperature) °F or valve pressure class 150 SPL (1)

9. Cold working pressure 290 psi at 100°F

10. Hydrostatic test 450 psi. Disk differential test pressure 375 psi

11. Remarks: Stud - SA193 B7 HT#: M69130 Tr: Q242
Stud - SA193 B7 Ht#: 8860674 Tr: Q207
Hex Nut - SA194 2H HT#: 792583 Tr: N125
Hex Nut - SA194 2H HT#: 792658 Tr: N126-1
Brg. Cover - SA479 316 HT#: 49672 S/N: 5 & 6

CERTIFICATION OF DESIGN

Design Specification certified by Robert E. Miller P.E. State NC Reg. no. 4806
Design Report certified by N/A P.E. State N/A Reg. no. N/A

CERTIFICATE OF COMPLIANCE

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

N Certificate of Authorization No. N-2606 Expires 6-13-01

Date 12/30/98 Name Atwood & Morrill Co., Inc. (N Certificate Holder) Signed [signature] (authorized representative)

CERTIFICATE OF INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of MA and employed by H.S.B.I. & I. Co. of Hartford, CT have inspected the pump, or valve, described in this Data Report on DEC. 30, 1998, and state that to the best of my knowledge and belief, the Certificate Holder has constructed this pump, or valve, in accordance with the ASME Code, Section III, Division 1.

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

Date 12/31/98 Signed [signature] (Authorized Inspector) Commissions NB3962 N MA 1337 (Nat'l. Bd. (incl. endorsements) and state or prov. and no.)

(1) For manually operated valves only.

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

As Required By The Provisions Of The ASME Code Section XI

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

1a. Date 10/15/99

Sheet 1 of 1

2. Plant Address: Mcguire Nuclear Station
   12700 Hagers Ferry Road, Huntersville, NC 28078

2a. Unit: ☒ 1 ☐ 2 ☐ 3 ☐ Shared (specify units) _____

3. Work Performed By: Duke Power Company

3a. Work Order # 98158646/01
Repair Organization Job #

Address: 526 S. Church Street, Charlotte, NC 28201-1006

Type Code Symbol Stamp: N/A Authorization No. N/A Expiration Date: N/A

3b. NSM or MM # N/A

4. (a) Identification of System: NV

4. (b) Class of System: B

5. (a) Applicable Construction Code: ASME III 1971 Edition, Summer and Winter Addenda, N/A Code Cases

(b) Applicable Edition of Section XI Utilizing for Repairs or Replacements: 1989, No Addenda (1992 through 1992 Addenda for Class MC and CC and their supports)

6. Identification of Components Repaired or Replaced and Replacement Components:

	Column 1	Column 2	Column 3	Column 4	Column 5	Col. 6	Column 7	Column 8
	Name of Component	Name of Mfg.	Mfg. Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (yes or no)
A	VALVE	FISHER	5921338	764	1NV-127	1975	☐ Repaired, ☐ Replaced, ☒ Replacement	☐ No ☒ Yes
B							☐ Repaired, ☐ Replaced, ☐ Replacement	☐ No ☐ Yes
C							☐ Repaired, ☐ Replaced, ☐ Replacement	☐ No ☐ Yes
D							☐ Repaired, ☐ Replaced, ☐ Replacement	☐ No ☐ Yes
E							☐ Repaired, ☐ Replaced, ☐ Replacement	☐ No ☐ Yes
F							☐ Repaired, ☐ Replaced, ☐ Replacement	☐ No ☐ Yes

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

7. Description of work : REPLACED VALVE PLUG ASSEMBLY

8. Test 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 :

(Applicable Manufacturer's Data Records to be attached)

CERTIFICATE OF COMPLIANCE

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

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

Signed F. R. Sorrow Exec. Supp. Date 10/15 19 99
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 HSBI and I Company of Hartford Connecticut have inspected the components described in this Owner's Report during the period 9-28-99 to 10-22-99 ; and state that to the best of my 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 the 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 10-22 , 1999

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

As Required By The Provisions Of The ASME Code Section XI

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

1a. Date 10/7/99

Sheet 1 of 1

2. Plant Address: Mcguire Nuclear Station
   12700 Hagers Ferry Road, Huntersville, NC 28078

2a. Unit: ☒ 1 ☐ 2 ☐ 3 ☐ Shared (specify units) _____

3. Work Performed By: Duke Power Company

3a. Work Order # 98163325-27
Repair Organization Job #

Address: 526 S. Church Street, Charlotte, NC 28201-1006

Type Code Symbol Stamp: N/A Authorization No. N/A Expiration Date: N/A

3b. NSM or MM # 12514

4. (a) Identification of System: NS (CONTAINMENT SPRAY)

4. (b) Class of System: B

5. (a) Applicable Construction Code: ASME III 1971 Edition, Summer and Winter Addenda, N-416-1 Code Cases

(b) Applicable Edition of Section XI Utilizing for Repairs or Replacements: 1989, No Addenda (1992 through 1992 Addenda for Class MC and CC and their supports)

6. Identification of Components Repaired or Replaced and Replacement Components:

	Column 1	Column 2	Column 3	Column 4	Column 5	Col. 6	Column 7	Column 8
	Name of Component	Name of Mfg.	Mfg. Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (yes or no)
A	1NS VALVE 163	ATWOOD/MORRILL	4-11382-01	399	N/A	1998	☐ Repaired, ☐ Replaced, ☒ Replacement	☐ No ☒ Yes
B	1-MCA-NS-H7	DUKE POWER	N/A	N/A	N/A	1999	☐ Repaired, ☐ Replaced, ☒ Replacement	☒ No ☐ Yes
C							☐ Repaired, ☐ Replaced, ☐ Replacement	☐ No ☐ Yes
D							☐ Repaired, ☐ Replaced, ☐ Replacement	☐ No ☐ Yes
E							☐ Repaired, ☐ Replaced, ☐ Replacement	☐ No ☐ Yes
F							☐ Repaired, ☐ Replaced, ☐ Replacement	☐ No ☐ Yes

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

7. Description of work : ADDED VALVE 1NS 163 AND CHANGED ITEMS 2,3,4,5, & 11 ON HANGER 1-MCA-NS-H7

8. Test Conducted : Hydrostatic ☐ Pneumatic ☐ Nom. Operating Press. ☒ Other ☐ Exempt ☐

Pressure	212	psig	Test Temp	84	°F
Pressure		psig	Test Temp		°F
Pressure		psig	Test Temp		°F

9. Remarks :

(Applicable Manufacturer's Data Records to be attached)

CERTIFICATE OF COMPLIANCE

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

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

Signed E. P. Robinson Exec. Supp. E P Robinson Date 10-25 19 99
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 HSBI and I Company of Hartford Connecticut have inspected the components described in this Owner's Report during the period 8-25-99 to 10-27-99 ; and state that to the best of my 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 the 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 R D Klein Commissions NB7728, NC853, N-I
Inspector's Signature National Board, State, Province and Endorsements

Date 10-27, 1999

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

1. Manufactured and certified by Atwood & Morrill Co., Inc. 285 Canal Street, Salem, MA 01970
(name and address of N Certificate Holder)

2. Manufactured for Duke Energy Corp., 13225 Hagers Ferry Rd., Huntersville, NC 28078-8985
(name and address of Purchaser)

3. Location of installation McGuire, 13225 Hagers Ferry Rd., Hwy. 73, Huntersville, NC 28078-8985
(name and address)

4. Model No., Series No., or Type Swing Check Drawing 11382-01 Rev. 02 CRN N/A

5. ASME Code, Section III, Division 1: 1983 (edition) Summer 84 (addenda date) 2 (class) N/A (Code Case no.)

6. Pump or valve Valve Nominal inlet size 10" (in.) Outlet size 10" (in.)

7. Material: Body SA351-CF8M Bonnet SA240-316 Disk SA351-CF8M Bolting See Remarks

(a) Cert. Holder's Serial No.	(b) Nat'l Board No.	(c) Body Serial No.	(d) Bonnet Serial No.	(e) Disk Serial No.
4-11382-01	NB 399	HT#: 98184	HT#:180269	HT#: 98157
		S/N: K255	S/N: 4	S/N: K258

NC-103

* Supplemental information in form of lists, sketches, or drawings may be used provided (1) size is 8½ x 11, (2) information in items 1 through 4 on this Data Report is included on each sheet, (3) each sheet is numbered and the number of sheets is recorded at the top of this form.

Certificate Holder's Serial No. 4-11382-01

8. Design conditions 290 (pressure) psi 100 (temperature) °F or valve pressure class 150 SPL (1)

9. Cold working pressure 290 psi at 100°F

10. Hydrostatic test 450 psi. Disk differential test pressure 375 psi

11. Remarks: Stud - SA193 B7 HT#: M69130 Tr: Q242
Stud - SA193 B7 Ht#: 8860674 Tr: Q207
Hex Nut - SA194 2H HT#: 792583 Tr: N125
Hex Nut - SA194 2H HT#: 792658 Tr: N126-1
Brg. Cover - SA479 316 HT#: 49672 S/N: 7 & 8

CERTIFICATION OF DESIGN

Design Specification certified by Robert E. Miller P.E. State NC Reg. no. 4806
Design Report certified by N/A P.E. State N/A Reg. no. N/A

CERTIFICATE OF COMPLIANCE

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

N Certificate of Authorization No. N-2606 Expires 6-13-01

Date 12/30/98 Name Atwood & Morrill Co., Inc. (N Certificate Holder) Signed Brian D. Sullivan (authorized representative)

CERTIFICATE OF INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of MA and employed by H.S.B.I. & I. Co. of Hartford, CT have inspected the pump, or valve, described in this Data Report on DEC. 30, 1998, and state that to the best of my knowledge and belief, the Certificate Holder has constructed this pump, or valve, in accordance with the ASME Code, Section III, Division 1.

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

Date 12/30/98 Signed Willie W. Will (Authorized Inspector) Commissions NB3962N MA-1337 [Nat'l. Bd. (incl. endorsements) and state or prov. and no.]

(1) For manually operated valves only.

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

As Required By The Provisions Of The ASME Code Section XI

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

1a. Date 10/13/99

Sheet 1 of 1

2. Plant Address: Mcguire Nuclear Station
   12700 Hagers Ferry Road, Huntersville, NC 28078

2a. Unit: ☒ 1 ☐ 2 ☐ 3 ☐ Shared (specify units) _____

3. Work Performed By: Duke Power Company

   Address: 526 S. Church Street, Charlotte, NC 28201-1006

3a. Work Order # 98174969-32
Repair Organization Job #

Type Code Symbol Stamp: N/A Authorization No. N/A Expiration Date: N/A

3b. NSM or MM # MM-10697

4. (a) Identification of System: NV (CHEM. & VOLUME CONTROL 4. (b) Class of System: B

5. (a) Applicable Construction Code: ASME III 1971 Edition, Summer and Winter Addenda, N-416-1 Code Cases

   (b) Applicable Edition of Section XI Utilizing for Repairs or Replacements: 1989, No Addenda (1992 through 1992 Addenda for Class MC and CC and their supports)

6. Identification of Components Repaired or Replaced and Replacement Components:

	Column 1	Column 2	Column 3	Column 4	Column 5	Col. 6	Column 7	Column 8
	Name of Component	Name of Mfg.	Mfg. Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (yes or no)
A	PIPE	DUKE POWER	N/A	37	1NV	1981	☐ Repaired, ☐ Replaced, ☒ Replacement	☐ No ☒ Yes
B							☐ Repaired, ☐ Replaced, ☐ Replacement	☐ No ☐ Yes
C							☐ Repaired, ☐ Replaced, ☐ Replacement	☐ No ☐ Yes
D							☐ Repaired, ☐ Replaced, ☐ Replacement	☐ No ☐ Yes
E							☐ Repaired, ☐ Replaced, ☐ Replacement	☐ No ☐ Yes
F							☐ Repaired, ☐ Replaced, ☐ Replacement	☐ No ☐ Yes

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

7. Description of work : ADDED 2" WELD FOR INSTR. LINE 1NVLT5760 TO VOLUME CONTROL TANK

8. Test Conducted : Hydrostatic ☐ Pneumatic ☐ Nom. Operating Press. ☒ Other ☐ Exempt ☐

Pressure	27.6	psig	Test Temp	72	°F
Pressure		psig	Test Temp		°F
Pressure		psig	Test Temp		°F

9. Remarks :

(Applicable Manufacturer's Data Records to be attached)

CERTIFICATE OF COMPLIANCE

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

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

Signed E. P. Robinson Exec. Supp. E P Robinson Date 11/3 19 99
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 HSBI and I Company of Hartford Connecticut have inspected the components described in this Owner's Report during the period 9-13-99 to 11-4-99 ; and state that to the best of my 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 the 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 R D Klein Commissions NB7728, NC853, N-I
Inspector's Signature National Board, State, Province and Endorsements

Date 11-4, 19 99

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

As Required By The Provisions Of The ASME Code Section XI

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

1a. Date October 18, 1999
Sheet 1 of 1

2. Plant Address: McGuire Nuclear Station
12700 Hagers Ferry Road, Huntersville, NC 28078

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

3. Work Performed By: Duke Power Company
Address: 526 S. Church Street, Charlotte NC 28201-1006

3a. Work Order # : 98190839
Repair Organization Job #

Type Code Symbol Stamp: N/A Authorization No. N/A Expiration Date: N/A

3b. NSM or MM #: N/A

4. (a) Identification of System: SV - Main Steam Vent to Atmosphere

4. (b) Class of System: B

5. (a) Applicable Construction Code: ASME III 1971 Edition, Summer and Winter Addenda, N/A Code Cases
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements: 1989, No Addenda (1992 through 1992 Addenda for Class MC and CC and their supports)

6. Identification of Components Repaired or Replaced and Replacement Components:

	Column 1 Name of Component	Column 2 Name of Mfg	Column 3 Mfg Serial No.	Column 4 National Board No.	Column 5 Other Identification	Col 6 Year Built	Column 7 Repaired, Replaced, or Replacement	Column 8 ASME Code Stamped (yes or no)
A	1-SV-VA-0007ABC	Babcock & Wilcox	15958-2-2	8	V File# 1075	1977	☑ Repaired, ☐ Replaced, ☐ Replacement	☐ No ☑ Yes
B							☐ Repaired, ☐ Replaced, ☐ Replacement	☐ No ☐ Yes
C							☐ Repaired, ☐ Replaced, ☐ Replacement	☐ No ☐ Yes
D							☐ Repaired, ☐ Replaced, ☐ Replacement	☐ No ☐ Yes
E							☐ Repaired, ☐ Replaced, ☐ Replacement	☐ No ☐ Yes
F							☐ Repaired, ☐ Replaced, ☐ Replacement	☐ No ☐ Yes

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8 1/2 in. x 11 in. (2) information in items1 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 plug

8. Test 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 _____

(Applicable Manufacturer's Data Records to be attached)

CERTIFICATE OF COMPLIANCE

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

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

Signed FL Grass Jr., QA Tech Specialist Date 10/18/, 99
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 HSBI and I Company of Hartford Connecticut have inspected the components described in this Owner's Report during the period 10-8-99 to 10-19-99; and state that to the best of my 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 the 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 10-19-99

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

As Required By The Provisions Of The ASME Code Section XI

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

1a. Date 10/06/99

Sheet 1 of 1

2. Plant Address: Mcguire Nuclear Station
   12700 Hagers Ferry Road, Huntersville, NC 28078

2a. Unit: ☒ 1 ☐ 2 ☐ 3 ☐ Shared (specify units) _____

3. Work Performed By: Duke Power Company

3a. Work Order # 98190965
Repair Organization Job #

Address: 526 S. Church Street, Charlotte, NC 28201-1006

Type Code Symbol Stamp: N/A Authorization No. N/A Expiration Date: N/A

3b. NSM or MM # N/A

4. (a) Identification of System: SV

4. (b) Class of System: B

5. (a) Applicable Construction Code: ASME III 1971 Edition, Summer and Winter Addenda, N/A Code Cases

(b) Applicable Edition of Section XI Utilizing for Repairs or Replacements: 1989, No Addenda (1992 through 1992 Addenda for Class MC and CC and their supports)

6. Identification of Components Repaired or Replaced and Replacement Components:

	Column 1	Column 2	Column 3	Column 4	Column 5	Col. 6	Column 7	Column 8
	Name of Component	Name of Mfg.	Mfg. Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (yes or no)
A	VALVE	CROSBY	N60951-01-0029	N/A	1SV-22	1980	☐ Repaired, ☒ Replaced, ☐ Replacement	☐ No ☒ Yes
B	VALVE	CROSBY	N60951-01-0012	N/A	1SV-22	1980	☐ Repaired, ☐ Replaced, ☒ Replacement	☐ No ☒ Yes
C							☐ Repaired, ☐ Replaced, ☐ Replacement	☐ No ☐ Yes
D							☐ Repaired, ☐ Replaced, ☐ Replacement	☐ No ☐ Yes
E							☐ Repaired, ☐ Replaced, ☐ Replacement	☐ No ☐ Yes
F							☐ Repaired, ☐ Replaced, ☐ Replacement	☐ No ☐ Yes

Form NIS -2 (Back)

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

7. Description of work : REPLACED VALVE BECAUSE OF SEAT LEAK

8. Test 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 :

(Applicable Manufacturer's Data Records to be attached)

CERTIFICATE OF COMPLIANCE

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

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

Signed F. R. Sorrow Exec. Supp. F R Sorrow Date 10/06 19 99
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 HSBI and I Company of Hartford Connecticut have inspected the components described in this Owner's Report during the period 9-28-99 to 11-8-99 ; and state that to the best of my 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 the 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 R D Klein Commissions NB7728, NC853, N-I
Inspector's Signature National Board, State, Province and Endorsements

Date 11-8, 1999

10/4/83
**Corrected Report - 4/1/83

CROSBY

CROSBY VALVE & GAGE COMPANY
WRENTHAM, MASS

FORM NV-1 FOR SAFETY AND SAFETY RELIEF VALVES
As Required by the Provisions of the ASME Code Rules

Q.C.-44D

DATA REPORT
Safety and Safety Relief Valves

1. Manufactured By Crosby Valve & Gage Company, 43 Kendrick St., Wrentham, MA 02093
Name and Address

Model No. HA-75-FN Order No. N70729 Contract Date 12/16/76 National Board No. --

2. Manufactured For Public Service Co. of Indiana Inc. 1000 E. Main St., Plainfield, Ind. Order No. 1097-89-Q
Name and Address

3. Owner Marble Hill Nuclear Generating Station, Units 1 & 2
Name and Address

4. Location of Plant Saluda Township, Jefferson County, Indiana

5. Valve Identification 1MS015D Serial No. N60951-00-0012 Drawing No. DS-C-60951 Rev. C

Type Safety (Safety, Safety Relief, Pilot, Power Actuated) Orifice Size R Inch Pipe Size -- Inch Inlet 6 Inch Outlet 10 Inch

6. Set Pressure (psig) 1205 600 F
Rated Temperature

Stamped Capacity 908050 lbs/hr sat @ 3 %Overpressure -- Blowdown ~~(psig)~~ 5% of S.P.

Hydrostatic Test (psig) Inlet 1860 Outlet N/A
(Applicable to Valves for Closed Systems Only)

Pressure Retaining Pieces

	Serial No. Identification	Material Specification Including Type or Grade
a. ~~Castings~~ Bar Stock & Forgings		
Body	N92300-33-0017	ASME SA105
Bonnet	N92307-31-0023	ASME SA105
b. ~~Bar Stock & Forgings~~ Bearing Adapter ~~Support Ring~~	N92644-31-0017	ASME SA193 Gr. B6
Nozzle	N92302-31-0018	ASME SA182 Gr. F316
Disc Insert	N92898-32-0009 N92304-33-0029	ASME SA637 Type 718
Spring Washers K61732-32-0012	N92305-32-0029	ASME SA105
Adjusting Bolt	N92645-32-0015	ASME SA193 Gr. B6
Spindle Point K61776-31-0010	N92643-31-0029	ASME SA193 Gr. B6
c. Spring K61732-32-0012	NX3122-0024	ASTM A689-74
d. Bolting		
e. Other Pieces		
Inlet Stud	N92310	ASME SA540 Gr. B22 Class 1
Bonnet Stud	N92308	ASME SA193 Gr. B7
Bonnet Nut	N92309	ASME SA194 Gr. 2H

**Remarks: Corrected report to show dashes and N/A in Code Case Block per customer comments.

4/4/83 — Crosby Quality Assurance

4-4-83 — Factory Mutual - ANI

CERTIFICATE OF COMPLIANCE

We certify that the statements made in this report are correct and that this valve conforms to the rules of construction of the ASME Code for Nuclear Power Plant Components, Section III, Div. 1, 1974 Edition, Addenda Winter 1975 (Date), Code Case No. 4/4/83 ** -- 4-4-83 N/A.

Class 2

Date 1/25/80 Signed Crosby Valve & Gage Co. (N Certificate Holder) by [signature]

Our ASME Certificate of Authorization No. 1878 to use the NV symbol expires September 30, 1980 (Date).

CERTIFICATION OF DESIGN

Design information on file at Crosby Valve & Gage Company

Stress analysis report (Class 1 only) on file at

Design specifications certified by[1] P. L. Wattelet

PE State Indiana Reg. No. 17756

Stress report certified by[1] ---

PE State --- Reg. No. ---

[1]Signature not required - list name only.

CERTIFICATE OF SHOP INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Massachusetts and employed by Factory Mutual Systems* of Norwood, Massachusetts have inspected the pump, or valve, described in this Data Report on 1/30, 1980 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 damage or a loss of any kind arising from or connected with this inspection.

Date 1/30 1980.

Signed [signature] (Inspector) Commissions MASS 1266 (Nat'l. Bd., State, Prov. and No.)

*Arkwright-Boston Manufacturers Mutual Insurance Company - Mutual Boiler & Machinery Div.

CROSBY

CROSBY VALVE & GAGE COMPANY
WRENTHAM, MASS

Q.C.-292A

REPAIR AND REPLACEMENT
TO NUCLEAR COMPONENTS AND SYSTEMS IN NUCLEAR POWER PLANTS

1. Work performed by Crosby Valve & Gage Co. (Name) R1730400 (Repair organization's PO No., Job No., etc.)

43 Kendrick Street Wrentham, MA 02093 (Address)

2. Owner Duke Power Company (Name)

P.O.Box 1002 Charlotte NC 28201-1002 (Address)

3. Name and Identification of Nuclear Power Plant McGuire Nuclear Station, Units 1 + 2

4. Address of Nuclear Power Plant Cornilius, NC 28031

5. Identification of System Main Steam

6. a. Identification of component repaired or replacement component Safety Valve

b. Name of manufacturer Crosby Valve & Gage Company

c. Identifying Nos. N60951-01-0012 -- -- 1980 (Mfr's. Serial No.) (Nat'l. Bd. No.) (Jurisdiction No.) (Other)(Yr. built)

7. Applicable Section(s) XI of ASME Code, 19 80 Edition W80 Addenda Code Case --

8. Tests conducted: Hydrostatic (X) Pneumatic ( ) Design Pressure ( ) Pressure 1860 psig

9. Description of work Disassembly inspection, Hydrostatic testing of the Nozzle and Disc Insert, Set Pressure and Seat Leakage Testing, attaching Name Plate. (Use of additional sheet(s) or sketch(es) is acceptable if properly identified)

10. Remarks:

CERTIFICATE OF COMPLIANCE

We hereby certify that the statements made in this report are correct and all design, material, and workmanship on this repair (repair, replacement) conforms to the applicable section of the ASME Code.

Signed Lawrence J. Rees (Authorized rep. of repair organization) QA Eng. Manager (Title) 10-18, 19 91 (Date)

CERTIFICATE OF INSPECTION

I, the undersigned, holding a valid Commission issued by the National Board of Boiler & Pressure Vessel Inspectors and the State or Province of Massachusetts and employed by Factory Mutual Systems of Norwood have inspected the repair or replacement described in this report on 10-18, 19 91 and state that to the best of my knowledge and belief, this repair or replacement has been made or constructed in accordance with the applicable section of the ASME Code. By signing this certificate, neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the repair or replacement described in this report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection.

Date 10/18/91 (Inspector) Commissions MA 1507 (State or Province, National Board)

DUKE POWER COMPANY
QA RECORDS APPROVED
D. D. Goodman
QA STAFF
DATE 10/23/91

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

As Required By The Provisions Of The ASME Code Section XI

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

1a. Date October 17, 1999
Sheet 1 of 1

2. Plant Address: McGuire Nuclear Station
12700 Hagers Ferry Road, Huntersville, NC 28078

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

3. Work Performed By: Duke Power Company
Address: 526 S. Church Street, Charlotte NC 28201-1006

3a. Work Order # : 98203145
Repair Organization Job #

Type Code Symbol Stamp: N/A Authorization No. N/A Expiration Date: N/A

3b. NSM or MM #: N/A

4. (a) Identification of System: N/V - Chemical and Volume Control

4. (b) Class of System: B

5. (a) Applicable Construction Code: ASME III 1971 Edition, Summer and Winter Addenda, N/A Code Cases
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements: 1989, No Addenda (1992 through 1992 Addenda for Class MC and CC and their supports)

6. Identification of Components Repaired or Replaced and Replacement Components:

	Column 1 Name of Component	Column 2 Name of Mfg	Column 3 Mfg Serial No.	Column 4 National Board No.	Column 5 Other Identification	Col 6 Year Built	Column 7 Repaired, Replaced, or Replacement	Column 8 ASME Code Stamped (yes or no)
A	1-MCR-NV-1213	Duke Power	21679	N/A	N/A	N/A	☑ Repaired, ☐ Replaced, ☐ Replacement	☑No ☐ Yes
B							☐ Repaired, ☐ Replaced, ☐ Replacement	☐ No ☐ Yes
C							☐ Repaired, ☐ Replaced, ☐ Replacement	☐ No ☐ Yes
D							☐ Repaired, ☐ Replaced, ☐ Replacement	☐ No ☐ Yes
E							☐ Repaired, ☐ Replaced, ☐ Replacement	☐ No ☐ Yes
F							☐ Repaired, ☐ Replaced, ☐ Replacement	☐ No ☐ Yes

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8 1/2 in. x 11 in. (2) information in items1 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 nut on bolt that holds snubber to bracket

8. Test 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 _____

(Applicable Manufacturer's Data Records to be attached)

CERTIFICATE OF COMPLIANCE

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

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

Signed FL Grass Jr., QA Tech Specialist Date 10/18/, 99
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 HSBI and I Company of Hartford Connecticut have inspected the components described in this Owner's Report during the period 10-15-99 to 10-19-99; and state that to the best of my 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 the 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 10-19-99

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

As Required By The Provisions Of The ASME Code Section XI

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

1a. Date October 18, 1999
Sheet 1 of 1

2. Plant Address: McGuire Nuclear Station
12700 Hagers Ferry Road, Huntersville, NC 28078

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

3. Work Performed By: Duke Power Company
Address: 526 S. Church Street, Charlotte NC 28201-1006

3a. Work Order # : 98204108
Repair Organization Job #

Type Code Symbol Stamp: N/A Authorization No. N/A Expiration Date: N/A

3b. NSM or MM #: N/A

4. (a) Identification of System: NV - Chemical and Volume Control

4. (b) Class of System: B

5. (a) Applicable Construction Code: ASME III 1971 Edition, Summer and Winter Addenda, N/A Code Cases
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements: 1989, No Addenda (1992 through 1992 Addenda for Class MC and CC and their supports)

6. Identification of Components Repaired or Replaced and Replacement Components:

	Column 1 Name of Component	Column 2 Name of Mfg	Column 3 Mfg Serial No.	Column 4 National Board No.	Column 5 Other Identification	Col 6 Year Built	Column 7 Repaired, Replaced, or Replacement	Column 8 ASME Code Stamped (yes or no)
A	1-NV-VA-0006	Dresser	TD36317	204	N/A	1976	☐ Repaired, ☑Replaced, ☐ Replacement	☐ No ☑Yes
B							☐ Repaired, ☐ Replaced, ☐ Replacement	☐ No ☐ Yes
C							☐ Repaired, ☐ Replaced, ☐ Replacement	☐ No ☐ Yes
D							☐ Repaired, ☐ Replaced, ☐ Replacement	☐ No ☐ Yes
E							☐ Repaired, ☐ Replaced, ☐ Replacement	☐ No ☐ Yes
F							☐ Repaired, ☐ Replaced, ☐ Replacement	☐ No ☐ Yes

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8 1/2 in. x 11 in. (2) information in items1 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 and bonnet nuts

8. Test 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 _____

(Applicable Manufacturer's Data Records to be attached)

CERTIFICATE OF COMPLIANCE

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

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

Signed FL Grass Jr., QA Tech Specialist Date 10/18/, 99
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 HSBI and I Company of Hartford Connecticut have inspected the components described in this Owner's Report during the period 10-8-99 to 10-19-99; and state that to the best of my 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 the 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, NI
Inspector's Signature National Board, State, Province and Endorsements

Date 10-19-99

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

As Required By The Provisions Of The ASME Code Section XI

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

1a. Date October 17, 1999
Sheet 1 of 1

2. Plant Address: McGuire Nuclear Station
   12700 Hagers Ferry Road, Huntersville, NC 28078

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

3. Work Performed By: Duke Power Company
   Address: 526 S. Church Street, Charlotte NC 28201-1006

3a. Work Order # : 98204208
Repair Organization Job #

Type Code Symbol Stamp: N/A Authorization No. N/A Expiration Date: N/A

3b. NSM or MM #: MM - 11267

4. (a) Identification of System: BB - Steam Generator Blowdown Recycle

4. (b) Class of System: B

5. (a) Applicable Construction Code: ASME III 1971 Edition, Summer and Winter Addenda, N/A Code Cases
   (b) Applicable Edition of Section XI Utilized for Repairs or Replacements: 1989, No Addenda (1992 through 1992 Addenda for Class MC and CC and their supports)

6. Identification of Components Repaired or Replaced and Replacement Components:

	Column 1 Name of Component	Column 2 Name of Mfg	Column 3 Mfg Serial No.	Column 4 National Board No.	Column 5 Other Identification	Col 6 Year Built	Column 7 Repaired, Replaced, or Replacement	Column 8 ASME Code Stamped (yes or no)
A	1-MCR-BB-709	Duke Power	14177	N/A	N/A	N/A	☐ Repaired, ☑ Replaced, ☐Replacement	☑No ☐ Yes
B	1-MCR-BB-709	Duke Power	61257 / 53	N/A	N/A	N/A	☐ Repaired, ☐Replaced, ☑ Replacement	☑ No ☐ Yes
C	1-MCR-BB-709	Duke Power	8952	N/A	N/A	N/A	☐ Repaired, ☑Replaced, ☐Replacement	☑No ☐ Yes
D	1-MCR-BB-709	Duke Power	61224 / 68	N/A	N/A	N/A	☐ Repaired, ☐ Replaced, ☑Replacement	☑No ☐ Yes
E							☐ Repaired, ☐ Replaced, ☐ Replacement	☐ No ☐ Yes
F							☐ Repaired, ☐ Replaced, ☐ Replacement	☐ No ☐ Yes

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8 1/2 in. x 11 in. (2) information in items1 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 snubbers

8. Test 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 _____

(Applicable Manufacturer's Data Records to be attached)

CERTIFICATE OF COMPLIANCE

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

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

Signed FL Grass Jr., QA Tech Specialist Date 10/12/, 99
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 HSBI and I Company of Hartford Connecticut have inspected the components described in this Owner's Report during the period 10-18-99 to 10-20-99; and state that to the best of my 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 the 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 10-20-99

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

As Required By The Provisions Of The ASME Code Section XI

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

1a. Date 10/7/1999

Sheet 1 of 1

2. Plant Address: McGuire Nuclear Station
12700 Hagers Ferry Road, Huntersville, NC 28078

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

3. Work Performed By: Duke Power Company
Address: 526 S. Church Street, Charlotte NC 28201-1006

3a. Work Order # : 98206379
Repair Organization Job #

Type Code Symbol Stamp: N/A Authorization No. N/A Expiration Date: N/A

3b. NSM or MM #: NA

4. (a) Identification of System: NV 4. (b) Class of System: B

5. (a) Applicable Construction Code: ASME III 1971 Edition, Summer and Winter Addenda, NONE Code Cases
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements: 1989, No Addenda (1992 through 1992 Addenda for Class MC and CC and their supports)

6. Identification of Components Repaired or Replaced and Replacement Components:

	Column 1 Name of Component	Column 2 Name of Mfg	Column 3 Mfg Serial No.	Column 4 National Board No.	Column 5 Other Identification	Col 6 Year Built	Column 7 Repaired, Replaced, or Replacement	Column 8 ASME Code Stamped (yes or no)
A	HANGER 1-MCA-NV-H396	DUKE POWER	NA	NA	SNUBBER S/N 21456	NA	☐ Repaired, ☑Replaced, ☐ Replacement	☑No ☐ Yes
B	HANGER 1-MCA-NV-H396	DUKE POWER	NA	NA	SNUBBER S/N 21192	NA	☐ Repaired, ☐ Replaced, ☑Replacement	☑ No ☐Yes
C							☐ Repaired, ☐ Replaced, ☐ Replacement	☐ No ☐ Yes
D							☐ Repaired, ☐ Replaced, ☐ Replacement	☐ No ☐ Yes
E							☐ Repaired, ☐ Replaced, ☐ Replacement	☐ No ☐ Yes
F							☐ Repaired, ☐ Replaced, ☐ Replacement	☐ No ☐ Yes

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8 1/2 in. x 11 in. (2) information in items1 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 Changed out snubber

8. Test 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 Snubbber was not tested before installation. Snubber was tested after rebuild prior to returning to stock.

(Applicable Manufacturer's Data Records to be attached)

CERTIFICATE OF COMPLIANCE

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

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

Signed W. Klein Technical Specialist II Date 10/7, 99
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 HSBI and I Company of Hartford Connecticut have inspected the components described in this Owner's Report during the period 10-15-99 to 10-19-99; and state that to the best of my 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 the 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.

W. Klein Commissions NB 7728, NC 853, N-I
Inspector's Signature National Board, State, Province and Endorsements

Date 10-19-99

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

As Required By The Provisions Of The ASME Code Section XI

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

1a. Date 11-1-99

Sheet 1 of 1

2. Plant Address: Mcguire Nuclear Station
   12700 Hagers Ferry Road, Huntersville, NC 28078

2a. Unit: ☒ 1 ☐ 2 ☐ 3 ☐ Shared (specify units) _____

3. Work Performed By: Duke Power Company

3a. Work Order # 98209759
Repair Organization Job #

Address: 526 S. Church Street, Charlotte, NC 28201-1006

Type Code Symbol Stamp: N/A Authorization No. N/A Expiration Date: N/A

3b. NSM or MM # 11308

4. (a) Identification of System: SM (MAIN STEAM)

4. (b) Class of System: B

5. (a) Applicable Construction Code: ASME III 1971 Edition, Summer and Winter Addenda, N 416-1 Code Cases

(b) Applicable Edition of Section XI Utilizing for Repairs or Replacements: 1989, No Addenda (1992 through 1992 Addenda for Class MC and CC and their supports)

6. Identification of Components Repaired or Replaced and Replacement Components:

	Column 1	Column 2	Column 3	Column 4	Column 5	Col. 6	Column 7	Column 8
	Name of Component	Name of Mfg.	Mfg. Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (yes or no)
A	PIPING	DUKE POWER	N/A	17	SM	1981	☐ Repaired, ☐ Replaced, ☒ Replacement	☐ No ☒ Yes
B							☐ Repaired, ☐ Replaced, ☐ Replacement	☐ No ☐ Yes
C							☐ Repaired, ☐ Replaced, ☐ Replacement	☐ No ☐ Yes
D							☐ Repaired, ☐ Replaced, ☐ Replacement	☐ No ☐ Yes
E							☐ Repaired, ☐ Replaced, ☐ Replacement	☐ No ☐ Yes
F							☐ Repaired, ☐ Replaced, ☐ Replacement	☐ No ☐ Yes

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

7. Description of work : REPLACE PIPE AND RESTRICTING FULL CPLG BELOW VALVE 1SM 83.

8. Test Conducted : Hydrostatic ☐ Pneumatic ☐ Nom. Operating Press. ☒ Other ☐ Exempt ☐

Pressure	1090	psig	Test Temp	560	°F
Pressure		psig	Test Temp		°F
Pressure		psig	Test Temp		°F

9. Remarks :

(Applicable Manufacturer's Data Records to be attached)

CERTIFICATE OF COMPLIANCE

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

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

Signed E. P. Robinson Exec. Supp. E P Robinson Date 11/4 19 99
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 HSBI and I Company of Hartford Connecticut have inspected the components described in this Owner's Report during the period 10-19-99 to 11-4-99 ; and state that to the best of my 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 the 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 R D Klein Commissions NB7728, NC853, N-I
Inspector's Signature National Board, State, Province and Endorsements

Date 11-4, 1999

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

As Required By The Provisions Of The ASME Code Section XI

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

1a. Date 11-1-99

Sheet 1 of 1

2. Plant Address: Mcguire Nuclear Station
   12700 Hagers Ferry Road, Huntersville, NC 28078

2a. Unit: ☒ 1 ☐ 2 ☐ 3 ☐ Shared (specify units) _____

3. Work Performed By: Duke Power Company

   Address: 526 S. Church Street, Charlotte, NC 28201-1006

3a. Work Order # 98209764
Repair Organization Job #

Type Code Symbol Stamp: N/A Authorization No. N/A Expiration Date: N/A

3b. NSM or MM # 11308

4. (a) Identification of System: SM (MAIN STEAM)

4. (b) Class of System: B

5. (a) Applicable Construction Code: ASME III 1971 Edition, Summer and Winter Addenda, N 416-1 Code Cases

   (b) Applicable Edition of Section XI Utilizing for Repairs or Replacements: 1989, No Addenda (1992 through 1992 Addenda for Class MC and CC and their supports)

6. Identification of Components Repaired or Replaced and Replacement Components:

	Column 1	Column 2	Column 3	Column 4	Column 5	Col. 6	Column 7	Column 8
	Name of Component	Name of Mfg.	Mfg. Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (yes or no)
A	PIPING	DUKE POWER	N/A	17	SM	1981	☐ Repaired, ☐ Replaced, ☒ Replacement	☐ No ☒ Yes
B							☐ Repaired, ☐ Replaced, ☐ Replacement	☐ No ☐ Yes
C							☐ Repaired, ☐ Replaced, ☐ Replacement	☐ No ☐ Yes
D							☐ Repaired, ☐ Replaced, ☐ Replacement	☐ No ☐ Yes
E							☐ Repaired, ☐ Replaced, ☐ Replacement	☐ No ☐ Yes
F							☐ Repaired, ☐ Replaced, ☐ Replacement	☐ No ☐ Yes

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

7. Description of work : REPLACE PIPE AND RESTRICTING FULL CPLG BELOW VALVE 1SM 89

8. Test Conducted : Hydrostatic ☐ Pneumatic ☐ Nom. Operating Press. ☒ Other ☐ Exempt ☐

Pressure	1090	psig	Test Temp	560	°F
Pressure		psig	Test Temp		°F
Pressure		psig	Test Temp		°F

9. Remarks :

(Applicable Manufacturer's Data Records to be attached)

CERTIFICATE OF COMPLIANCE

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

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

Signed E. P. Robinson Exec. Supp. E P Robinson Date 11/4 19 99
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 HSBI and I Company of Hartford Connecticut have inspected the components described in this Owner's Report during the period 10-9-99 to 11-4-99 ; and state that to the best of my 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 the 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 R D Klein Commissions NB7728, NC853, N-I
Inspector's Signature National Board, State, Province and Endorsements

Date 11-4, 1999

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

As Required By The Provisions Of The ASME Code Section XI

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

1a. Date 11-1-99

Sheet 1 of 1

2. Plant Address: Mcguire Nuclear Station
   12700 Hagers Ferry Road, Huntersville, NC 28078

2a. Unit: ☒ 1 ☐ 2 ☐ 3 ☐ Shared (specify units) _____

3. Work Performed By: Duke Power Company

3a. Work Order # 98209767
Repair Organization Job #

Address: 526 S. Church Street, Charlotte, NC 28201-1006

Type Code Symbol Stamp: N/A Authorization No. N/A Expiration Date: N/A

3b. NSM or MM # 11308

4. (a) Identification of System: SM (MAIN STEAM)

4. (b) Class of System: B

5. (a) Applicable Construction Code: ASME III 1971 Edition, Summer and Winter Addenda, N 416-1 Code Cases

(b) Applicable Edition of Section XI Utilizing for Repairs or Replacements: 1989, No Addenda (1992 through 1992 Addenda for Class MC and CC and their supports)

6. Identification of Components Repaired or Replaced and Replacement Components:

	Column 1	Column 2	Column 3	Column 4	Column 5	Col. 6	Column 7	Column 8
	Name of Component	Name of Mfg.	Mfg. Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (yes or no)
A	PIPING	DUKE POWER	N/A	17	SM	1981	☐ Repaired, ☐ Replaced, ☒ Replacement	☐ No ☒ Yes
B							☐ Repaired, ☐ Replaced, ☐ Replacement	☐ No ☐ Yes
C							☐ Repaired, ☐ Replaced, ☐ Replacement	☐ No ☐ Yes
D							☐ Repaired, ☐ Replaced, ☐ Replacement	☐ No ☐ Yes
E							☐ Repaired, ☐ Replaced, ☐ Replacement	☐ No ☐ Yes
F							☐ Repaired, ☐ Replaced, ☐ Replacement	☐ No ☐ Yes

Form NIS -2 (Back)

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

7. Description of work : REPLACE PIPE AND RESTRICTING FULL CPLG BELOW VALVE 1SM 95

8. Test Conducted : Hydrostatic ☐ Pneumatic ☐ Nom. Operating Press. ☒ Other ☐ Exempt ☐

Pressure	1090	psig	Test Temp	560	°F
Pressure		psig	Test Temp		°F
Pressure		psig	Test Temp		°F

9. Remarks :

(Applicable Manufacturer's Data Records to be attached)

CERTIFICATE OF COMPLIANCE

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

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

Signed E. P. Robinson Exec. Supp. E P Robinson Date 11/4 19 99
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 HSBI and I Company of Hartford Connecticut have inspected the components described in this Owner's Report during the period 10-19-99 to 11-4-99 ; and state that to the best of my 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 the 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 R D Klein Commissions NB7728, NC853, N-I
Inspector's Signature National Board, State, Province and Endorsements

Date 11-4, 1999

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

As Required By The Provisions Of The ASME Code Section XI

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

1a. Date 11-1-99

Sheet 1 of 1

2. Plant Address: Mcguire Nuclear Station
   12700 Hagers Ferry Road, Huntersville, NC 28078

2a. Unit: ☒ 1 ☐ 2 ☐ 3 ☐ Shared (specify units) _____

3. Work Performed By: Duke Power Company

3a. Work Order # 98209768
Repair Organization Job #

Address: 526 S. Church Street, Charlotte, NC 28201-1006

Type Code Symbol Stamp: N/A Authorization No. N/A Expiration Date: N/A

3b. NSM or MM # 11308

4. (a) Identification of System: SM (MAIN STEAM)

4. (b) Class of System: B

5. (a) Applicable Construction Code: ASME III 1971 Edition, Summer and Winter Addenda, N 416-1 Code Cases

(b) Applicable Edition of Section XI Utilizing for Repairs or Replacements: 1989, No Addenda (1992 through 1992 Addenda for Class MC and CC and their supports)

6. Identification of Components Repaired or Replaced and Replacement Components:

	Column 1	Column 2	Column 3	Column 4	Column 5	Col. 6	Column 7	Column 8
	Name of Component	Name of Mfg.	Mfg. Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (yes or no)
A	PIPING	DUKE POWER	N/A	17	SM	1981	☐ Repaired, ☐ Replaced, ☒ Replacement	☐ No ☒ Yes
B							☐ Repaired, ☐ Replaced, ☐ Replacement	☐ No ☐ Yes
C							☐ Repaired, ☐ Replaced, ☐ Replacement	☐ No ☐ Yes
D							☐ Repaired, ☐ Replaced, ☐ Replacement	☐ No ☐ Yes
E							☐ Repaired, ☐ Replaced, ☐ Replacement	☐ No ☐ Yes
F							☐ Repaired, ☐ Replaced, ☐ Replacement	☐ No ☐ Yes

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

7. Description of work : REPLACE PIPE AND RESTRICTING FULL CPLG BELOW VALVE 1SM 101.

8. Test Conducted : Hydrostatic ☐ Pneumatic ☐ Nom. Operating Press. ☒ Other ☐ Exempt ☐

Pressure	1090	psig	Test Temp	560	°F
Pressure		psig	Test Temp		°F
Pressure		psig	Test Temp		°F

9. Remarks :

(Applicable Manufacturer's Data Records to be attached)

CERTIFICATE OF COMPLIANCE

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

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

Signed E. P. Robinson Exec. Supp. E P Robinson Date 11/4 19 99
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 HSBI and I Company of Hartford Connecticut have inspected the components described in this Owner's Report during the period 10-19-99 to 11-4-99 ; and state that to the best of my 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 the 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 R D Klein Commissions NB7728, NC853, N-I
Inspector's Signature National Board, State, Province and Endorsements

Date 11-4, 1999

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

As Required By The Provisions Of The ASME Code Section XI

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

1a. Date 10/25/99

Sheet 1 of 1

2. Plant Address: Mcguire Nuclear Station
   12700 Hagers Ferry Road, Huntersville, NC 28078

2a. Unit: ☒ 1 ☐ 2 ☐ 3 ☐ Shared (specify units) _____

3. Work Performed By: Duke Power Company

3a. Work Order # 98209945/06
Repair Organization Job #

Address: 526 S. Church Street, Charlotte, NC 28201-1006

Type Code Symbol Stamp: N/A Authorization No. N/A Expiration Date: N/A

3b. NSM or MM # 11322

4. (a) Identification of System: RF

4. (b) Class of System: B

5. (a) Applicable Construction Code: ASME III 1971 Edition, Summer and Winter Addenda, N/A Code Cases

(b) Applicable Edition of Section XI Utilizing for Repairs or Replacements: 1989, No Addenda (1992 through 1992 Addenda for Class MC and CC and their supports)

6. Identification of Components Repaired or Replaced and Replacement Components:

	Column 1	Column 2	Column 3	Column 4	Column 5	Col. 6	Column 7	Column 8
	Name of Component	Name of Mfg.	Mfg. Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (yes or no)
A	1MCA-RF-4-R2	DUKE POWER	N/A	N/A	N/A	N/A	☐ Repaired, ☐ Replaced, ☒ Replacement	☒ No ☐ Yes
B							☐ Repaired, ☐ Replaced, ☐ Replacement	☐ No ☐ Yes
C							☐ Repaired, ☐ Replaced, ☐ Replacement	☐ No ☐ Yes
D							☐ Repaired, ☐ Replaced, ☐ Replacement	☐ No ☐ Yes
E							☐ Repaired, ☐ Replaced, ☐ Replacement	☐ No ☐ Yes
F							☐ Repaired, ☐ Replaced, ☐ Replacement	☐ No ☐ Yes

Form NIS -2 (Back)

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

7. Description of work : ADDED ITEMS NUMBER 11 AND 12

8. Test 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 :

(Applicable Manufacturer's Data Records to be attached)

CERTIFICATE OF COMPLIANCE

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

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

Signed F. R. Sorrow Exec. Supp. F R Sorrow Date 10/25 19 99
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 HSBI and I Company of Hartford Connecticut have inspected the components described in this Owner's Report during the period 10-22-99 to 10-28-99 ; and state that to the best of my 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 the 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 R D Klein Commissions NB7728, NC853, N-I
Inspector's Signature National Board, State, Province and Endorsements

Date 1028, 1999

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

As Required By The Provisions Of The ASME Code Section XI

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

1a. Date November 2, 1999
Sheet 1 of 1

2. Plant Address: McGuire Nuclear Station
   12700 Hagers Ferry Road, Huntersville, NC 28078

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

3. Work Performed By: Duke Power Company
   Address: 526 S. Church Street, Charlotte NC 28201-1006

3a. Work Order # : 98213514
Repair Organization Job #

Type Code Symbol Stamp: N/A Authorization No. N/A Expiration Date: N/A

3b. NSM or MM #: N/A

4. (a) Identification of System: NV - Chemical and Volume Control

4. (b) Class of System: B

5. (a) Applicable Construction Code: ASME III 1971 Edition, Summer and Winter Addenda, N/A Code Cases
   (b) Applicable Edition of Section XI Utilized for Repairs or Replacements: 1989, No Addenda (1992 through 1992 Addenda for Class MC and CC and their supports)

6. Identification of Components Repaired or Replaced and Replacement Components:

	Column 1 Name of Component	Column 2 Name of Mfg	Column 3 Mfg Serial No.	Column 4 National Board No.	Column 5 Other Identification	Col 6 Year Built	Column 7 Repaired, Replaced, or Replacement	Column 8 ASME Code Stamped (yes or no)
A	1MCR-NV-1048	Duke Power	00087	N/A	N/A	N/A	☐ Repaired, ☑ Replaced, ☐ Replacement	☑No ☐ Yes
B	1MCA-NV-1048	Duke Power	20492	N/A	N/A	N/A	☐ Repaired, ☐ Replaced, ☑Replacement	☑No ☐ Yes
C							☐ Repaired, ☐ Replaced, ☐ Replacement	☐ No ☐ Yes
D							☐ Repaired, ☐ Replaced, ☐ Replacement	☐ No ☐ Yes
E							☐ Repaired, ☐ Replaced, ☐ Replacement	☐ No ☐ Yes
F							☐ Repaired, ☐ Replaced, ☐ Replacement	☐ No ☐ Yes

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8 1/2 in. x 11 in. (2) information in items1 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. Test 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 _____

(Applicable Manufacturer's Data Records to be attached)

CERTIFICATE OF COMPLIANCE

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

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

Signed FL Grass Jr., QA Tech Specialist Date 11/2/, 99
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 HSBI and I Company of Hartford Connecticut have inspected the components described in this Owner's Report during the period 11-2-99 to 11-4-99; and state that to the best of my 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 the 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 11-4, 1999

11.0 ***Pressure Testing***

There are two refueling outages scheduled for the third period of the second inspection interval for Duke Energy's McGuire Nuclear Station Unit 1. This section describes Pressure Tests performed during the third period through the first refueling outage (also referred to as EOC-13).

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)	0	0	0%
B-P	System Leakage Test (IWB-5221)	1	1	100%
B-P	System Hydrostatic Test (IWB-5222)	1	0	0%
C-H	System Inservice/Functional Test (IWC-5221)	0	0	0%
C-H	System Hydrostatic Test (IWC-5222)	47	13	27.66%

A detailed description of each Examination Category examined during EOC-13 is located in subsection 11.1 of this report. Results of each Examination Category examined during EOC-13 are located in subsection 11.2 of this report. A detailed description of each Examination Category examined during the third inspection period is located in subsection 11.3 of this report. Results of each Examination Category examined during the third inspection period are located in subsection 11.4 of this report.

11.1 Required Examinations This Outage:

A listing of each VT-2 Visual Examination required for EOC-13 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 No.	=	ASME Section XI Tables IWB-2500-1 (Class 1), IWC-2500-1 (Class 2), and IWD-2500-1 (Class 3)
ISI Drawing	=	Detail Drawing of Inspection Boundary
Required Test	=	Type of Pressure 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

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

Outage 13

Item Number	ISI Drawing	Required Test	System Name	Required Inspection	Required Procedure	Comments
B15.050.001	SEE COMMENTS	LEAK	NC SYSTEM	VT-2	QAL-15	Class A Leakage Boundary Dwgs: MCL-1553-1.0/2, MCL-1553-2.0/2, MCL-1553-2.1/5, MCL-1554-1.0/3, MCL-1554-1.1/3, MCL-1554-1.2/5, MCL-1561-1.0/5, MCL-1562-1.0/3, MCL-1562-2.0/4, MCL-1562-2.1/4, MCL-1562-3.0/5, MCL-1562-3.1/4

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

Outage 13

Item Number	ISI Drawing	Required Test	System Name	Required Inspection	Required Procedure	Comments
C07.040.004	MCH-1553-4.0	HYDRO	NC SYSTEM	VT-2	QAL-15	Class B penetrations M-326 and M-361
C07.040.008	MCH-1554-1.3	HYDRO	NV SYSTEM	VT-2	QAL-15	Class B penetration M-342
C07.040.016	MCH-1556-3.0	HYDRO	NB SYSTEM	VT-2	QAL-15	Class B penetration M-259
C07.040.017	MCH-1558-4.0	HYDRO	NF SYSTEM	VT-2	QAL-15	Class B penetrations M-371, M-372, M-373, and M-39
C07.040.020	MCH-1562-2.0	HYDRO	NI SYSTEM	VT-2	QAL-15	Class B penetration M-330
C07.040.021	MCH-1562-2.1	HYDRO	NI SYSTEM	VT-2	QAL-15	Class B penetration M-321
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
C07.040.025	MCH-1565-1.0	HYDRO	WL SYSTEM	VT-2	QAL-15	Class B penetration M-348 and M-374
C07.040.027	MCH-1565-7.0	HYDRO	WL SYSTEM	VT-2	QAL-15	Class B penetration M-221
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
C07.040.032	MCH-1572-1.1	HYDRO	NM SYSTEM	VT-2	QAL-15	Class B penetration M-280
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
C07.040.042	MCH-1574-4.0	HYDRO	RN SYSTEM	VT-2	QAL-15	Class B penetration M-307 and M-315
C07.040.046	MCH-1599-2.2	HYDRO	RF SYSTEM	VT-2	QAL-15	Class B penetration M-353
C07.040.047	MCH-1601-2.4	HYDRO	YM SYSTEM	VT-2	QAL-15	Class B penetration M-337
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

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

Outage 13

Item Number	ISI Drawing	Required Test	System Name	Required Inspection	Required Procedure	Comments
C07.040.051	MCH-1605-1.2	HYDRO	VI SYSTEM	VT-2	QAL-15	Class B penetrations M-317 and M-386
C07.040.052	MCH-1605-1.3	HYDRO	VI SYSTEM	VT-2	QAL-15	Class B penetrations M-220 and M-359
C07.040.053	MCH-1605-3.1	HYDRO	VB SYSTEM	VT-2	QAL-15	Class B penetration M-215
C07.040.055	MCH-1573-4.0	HYDRO	KC SYSTEM	VT-2	QAL-15	Class B penetration M-322
C07.040.056	MCH-1605-2.2	HYDRO	VS SYSTEM	VT-2	QAL-15	Class B penetration M-219

11.2 Examination Results For This Outage:

The results of each VT-2 Visual Examination required for EOC-13 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	=	ASME Section XI Tables IWB-2500-1 (Class 1), IWC-2500-1 (Class 2), and IWD-2500-1 (Class 3)
ISI Drawing	=	Detail Drawing of Inspection Boundary
Required Test	=	Type of Pressure Test
Test Status	=	Complete, Partial, Not Tested, or Not Required
Test Result	=	Clear (No Evidence Of Leakage), Recordable (Evidence Of Leakage - Not Through Wall such as packing leak), Reportable (Evidence Of Through Wall Leakage).
VT-2 Date	=	VT-2 Examination Date
Comments	=	General and/or Detail Description

Duke Power Company - McGuire Unit 1
Pressure Testing VT-2 Results For Outage 13

Item Number	ISI Drawing	Required Test	Test Status	Test Result	VT-2 Date	Comments
B15.050.001	SEE COMMENTS	LEAK	COMPLETE	CLEAR	11/03/1999	Class A Leakage Boundary Dwgs: MCL-1553-1.0/2, MCL-1553-2.0/2, MCL-1553-2.1/5, MCL-1554-1.0/3, MCL-1554-1.1/3, MCL-1554-1.2/5, MCL-1561-1.0/5, MCL-1562-1.0/3, MCL-1562-2.0/4, MCL-1562-2.1/4, MCL-1562-3.0/5, MCL-1562-3.1/4

Duke Power Company - McGuire Unit 1
Pressure Testing VT-2 Results For Outage 13

Item Number	ISI Drawing	Required Test	Test Status	Test Result	VT-2 Date	Comments
C07.040.004	MCH-1553-4.0	HYDRO	COMPLETE	CLEAR	10/04/1999	Class B penetrations M-326 and M-361
C07.040.008	MCH-1554-1.3	HYDRO	COMPLETE	CLEAR	09/23/1999	Class B penetration M-342
C07.040.016	MCH-1556-3.0	HYDRO	COMPLETE	CLEAR	09/22/1999	Class B penetration M-259
C07.040.017	MCH-1558-4.0	HYDRO	COMPLETE	CLEAR	10/20/1999	Class B penetrations M-371, M-372, M-373, and M-39
C07.040.020	MCH-1562-2.0	HYDRO	PARTIAL	CLEAR	10/28/1999	Class B penetration M-330
C07.040.021	MCH-1562-2.1	HYDRO	PARTIAL	CLEAR	10/28/1999	Class B penetration M-321
C07.040.023	MCH-1562-3.1	HYDRO	PARTIAL	CLEAR	09/22/1999	Class B penetration M-278, M-302, M-306, M-336 and M-352
C07.040.025	MCH-1565-1.0	HYDRO	COMPLETE	CLEAR	10/19/1999	Class B penetration M-348 and M-374
C07.040.027	MCH-1565-7.0	HYDRO	COMPLETE	CLEAR	10/17/1999	Class B penetration M-221
C07.040.030	MCH-1571-1.0	HYDRO	PARTIAL	CLEAR	09/24/1999	Class B penetrations M-358 and M-377
C07.040.031	MCH-1572-1.0	HYDRO	PARTIAL	CLEAR	11/03/1999	Class B penetrations M-235 and M-309
C07.040.032	MCH-1572-1.1	HYDRO	PARTIAL	CLEAR	10/28/1999	Class B penetration M-280
C07.040.036	MCH-1573-3.1	HYDRO	PARTIAL	CLEAR	09/18/1999	Class B penetrations M-217, M-218, M-320, M-327, M-355 and M-376
C07.040.042	MCH-1574-4.0	HYDRO	PARTIAL	CLEAR	09/18/1999	Class B penetration M-307 and M-315
C07.040.046	MCH-1599-2.2	HYDRO	COMPLETE	CLEAR	10/04/1999	Class B penetration M-353
C07.040.047	MCH-1601-2.4	HYDRO	COMPLETE	CLEAR	09/22/1999	Class B penetration M-337
C07.040.048	MCH-1604-3.0	HYDRO	PARTIAL	CLEAR	09/18/1999	Class B penetrations M-240, M-279, M-385 and M-390

Duke Power Company - McGuire Unit 1
Pressure Testing VT-2 Results For Outage 13

Item Number	ISI Drawing	Required Test	Test Status	Test Result	VT-2 Date	Comments
C07.040.051	MCH-1605-1.2	HYDRO	COMPLETE	CLEAR	10/01/1999	Class B penetrations M-317 and M-386
C07.040.052	MCH-1605-1.3	HYDRO	COMPLETE	CLEAR	09/23/1999	Class B penetrations M-220 and M-359
C07.040.053	MCH-1605-3.1	HYDRO	COMPLETE	CLEAR	09/21/1999	Class B penetration M-215
C07.040.055	MCH-1573-4.0	HYDRO	COMPLETE	CLEAR	10/03/1999	Class B penetration M-322
C07.040.056	MCH-1605-2.2	HYDRO	COMPLETE	CLEAR	09/21/1999	Class B penetration M-219

11.3 Required Examinations For Third Inspection Period:

A listing of each VT-2 Visual Examination required for the Third Inspection Period 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 No.	=	ASME Section XI Tables IWB-2500-1 (Class 1), IWC-2500-1 (Class 2), and IWD-2500-1 (Class 3)
ISI Drawing	=	Detail Drawing of Inspection Boundary
Required Test	=	Type of Pressure 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

Duke Power Company - McGuire Unit 1
Listing Of All Pressure Tests For Period = 3rd

Item Number	ISI Drawing	Required Test	System Name	Required Inspection	Required Procedure	Comments
B04.012.001	MCM-1201.01-2	VISUAL	RPV-CRDM	VT-2	QAL-15	78 Welds CRDM to RPV Closure Head-Examine during Cl.1 Hydro Test
B04.013.001	MCM-1201.01-1	VISUAL	RPV-INCORE	VT-2	QAL-15	58 Welds INCORE to RPV Bottom Head-Examine during Cl.1 Hydro Test
B04.020.001	MCM-1201.01-0	VISUAL	PZR-HEATER	VT-2	QAL-15	78 Heater Penetrations in Lower Head-Examine during Cl.1 Hydro Test
B15.050.001	SEE COMMENTS	LEAK	NC SYSTEM	VT-2	QAL-15	Class A Leakage Boundary Dwgs: MCL-1553-1.0/2, MCL-1553-2.0/2, MCL-1553-2.1/5, MCL-1554-1.0/3, MCL-1554-1.1/3, MCL-1554-1.2/5, MCL-1561-1.0/5, MCL-1562-1.0/3, MCL-1562-2.0/4, MCL-1562-2.1/4, MCL-1562-3.0/5, MCL-1562-3.1/4
B15.051.001	SEE COMMENTS	HYDRO	NC SYSTEM	VT-2	QAL-15	Class A Hydro Boundary Dwgs: MCH-1553-1.0/2, MCH-1553-2.0/2, MCH-1553-2.1/3, MCH-1554-1.0/2, MCH-1554-1.1/2, MCH-1554-1.2/2, MCH-1561-1.0/4, MCH-1562-1.0/1, MCH-1562-2.0/3, MCH-1562-2.1/2, MCH-1562-3.0/2, MCH-1562-3.1/1
C07.040.003	MCH-1553-2.1	HYDRO	NC SYSTEM	VT-2	QAL-15	Class B penetrations M-212, M-216 and M-274
C07.040.004	MCH-1553-4.0	HYDRO	NC SYSTEM	VT-2	QAL-15	Class B penetrations M-326 and M-361
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
C07.040.008	MCH-1554-1.3	HYDRO	NV SYSTEM	VT-2	QAL-15	Class B penetration M-342
C07.040.009	MCH-1554-2.0	HYDRO	NV SYSTEM	VT-2	QAL-15	

Duke Power Company - McGuire Unit 1
Listing Of All Pressure Tests For Period = 3rd

Item Number	ISI Drawing	Required Test	System Name	Required Inspection	Required Procedure	Comments
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	
C07.040.016	MCH-1556-3.0	HYDRO	NB SYSTEM	VT-2	QAL-15	Class B penetration M-259
C07.040.017	MCH-1558-4.0	HYDRO	NF SYSTEM	VT-2	QAL-15	Class B penetrations M-371, M-372, M-373, and M-39
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
C07.040.020	MCH-1562-2.0	HYDRO	NI SYSTEM	VT-2	QAL-15	Class B penetration M-330
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
C07.040.025	MCH-1565-1.0	HYDRO	WL SYSTEM	VT-2	QAL-15	Class B penetration M-348 and M-374
C07.040.026	MCH-1565-1.1	HYDRO	WL SYSTEM	VT-2	QAL-15	Class B penetration M-360 and M-375
C07.040.027	MCH-1565-7.0	HYDRO	WL SYSTEM	VT-2	QAL-15	Class B penetration M-221
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

Duke Power Company - McGuire Unit 1
Listing Of All Pressure Tests For Period = 3rd

Item Number	ISI Drawing	Required Test	System Name	Required Inspection	Required Procedure	Comments
C07.040.032	MCH-1572-1.1	HYDRO	NM SYSTEM	VT-2	QAL-15	Class B penetration M-280
C07.040.034	MCH-1572-3.0	HYDRO	NM SYSTEM	VT-2	QAL-15	Class B penetrations M-335, M-338, M-340 and M-341
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
C07.040.038	MCH-1580-1.0	HYDRO	BB SYSTEM	VT-2	QAL-15	Class B penetration M-300, M-301, M-303 and M-304
C07.040.039	MCH-1584-1.0	HYDRO	CA SYSTEM	VT-2	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
C07.040.046	MCH-1599-2.2	HYDRO	RF SYSTEM	VT-2	QAL-15	Class B penetration M-353
C07.040.047	MCH-1601-2.4	HYDRO	YM SYSTEM	VT-2	QAL-15	Class B penetration M-337
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
C07.040.049	MCH-1605-1.14	HYDRO	VI SYSTEM	VT-2	QAL-15	Class B penetrations for instrument air system (no penetration number)
C07.040.050	MCH-1605-1.17	HYDRO	VI SYSTEM	VT-2	QAL-15	
C07.040.051	MCH-1605-1.2	HYDRO	VI SYSTEM	VT-2	QAL-15	Class B penetrations M-317 and M-386
C07.040.052	MCH-1605-1.3	HYDRO	VI SYSTEM	VT-2	QAL-15	Class B penetrations M-220 and M-359

Duke Power Company - McGuire Unit 1
Listing Of All Pressure Tests For Period = 3rd

Item Number	ISI Drawing	Required Test	System Name	Required Inspection	Required Procedure	Comments
C07.040.053	MCH-1605-3.1	HYDRO	VB SYSTEM	VT-2	QAL-15	Class B penetration M-215
C07.040.054	MCH-1617-1.0	HYDRO	CA SYSTEM	VT-2	QAL-15	
C07.040.055	MCH-1573-4.0	HYDRO	KC SYSTEM	VT-2	QAL-15	Class B penetration M-322
C07.040.056	MCH-1605-2.2	HYDRO	VS SYSTEM	VT-2	QAL-15	Class B penetration M-219
D01.012.002	MCH-1554-2.0	HYDRO	NV SYSTEM	VT-2	QAL-15	
D01.012.003	MCH-1554-3.1	HYDRO	NV SYSTEM	VT-2	QAL-15	
D01.012.004	MCH-1554-5.0	HYDRO	NV SYSTEM	VT-2	QAL-15	
D02.011.019	MCL-1609-3.0	FUNCT	FD SYSTEM	VT-2	QAL-15	This test is required for periods 1, 2 and 3. 2nd Period Station Pkg. Nos: #7
D02.011.020	MCL-1609-3.1	FUNCT	FD SYSTEM	VT-2	QAL-15	This test is required for periods 1, 2 and 3 - Stm. Pkg.# 8
D02.012.002	MCH-1573-1.0	HYDRO	KC SYSTEM	VT-2	QAL-15	
D02.012.003	MCH-1573-1.1	HYDRO	KC SYSTEM	VT-2	QAL-15	
D02.012.010	MCH-1574-1.0	HYDRO	RN SYSTEM	VT-2	QAL-15	
D02.012.011	MCH-1574-1.1	HYDRO	RN SYSTEM	VT-2	QAL-15	
D02.012.012	MCH-1574-2.0	HYDRO	RN SYSTEM	VT-2	QAL-15	
D02.012.013	MCH-1574-2.1	HYDRO	RN SYSTEM	VT-2	QAL-15	
D02.012.014	MCH-1574-3.0	HYDRO	RN SYSTEM	VT-2	QAL-15	
D02.012.015	MCH-1574-3.1	HYDRO	RN SYSTEM	VT-2	QAL-15	
D02.012.016	MCH-1574-4.0	HYDRO	RN SYSTEM	VT-2	QAL-15	
D02.012.017	MCH-1581-1.0	HYDRO	WZ SYSTEM	VT-2	QAL-15	

Duke Power Company - McGuire Unit 1
Listing Of All Pressure Tests For Period = 3rd

Item Number	ISI Drawing	Required Test	System Name	Required Inspection	Required Procedure	Comments
D02.012.018	MCH-1592-1.0	HYDRO	CA SYSTEM	VT-2	QAL-15	
D02.012.019	MCH-1592-1.1	HYDRO	CA SYSTEM	VT-2	QAL-15	
D02.012.020	MCH-1593-1.2	HYDRO	SA/TE SYSTEM	VT-2	QAL-15	
D02.012.021	MCH-1604-3.0	HYDRO	RV SYSTEM	VT-2	QAL-15	
D02.012.023	MCH-1609-1.0	HYDRO	KD SYSTEM	VT-2	QAL-15	
D02.012.024	MCH-1609-1.1	HYDRO	KD SYSTEM	VT-2	QAL-15	
D02.012.025	MCH-1609-2.0	HYDRO	LD SYSTEM	VT-2	QAL-15	
D02.012.026	MCH-1609-2.1	HYDRO	LD SYSTEM	VT-2	QAL-15	
D02.012.027	MCH-1609-3.0	HYDRO	FD SYSTEM	VT-2	QAL-15	This test is required for periods 2 and 3 - 2nd Period Station Pkg.#7
D02.012.028	MCH-1609-3.1	HYDRO	FD SYSTEM	VT-2	QAL-15	This test is required for periods 2 and 3 - 2nd Period Station Pkg. #8
D02.012.029	MCH-1609-4.0	HYDRO	VG SYSTEM	VT-2	QAL-15	
D02.012.030	MCH-2574-1.1	HYDRO	RN SYSTEM	VT-2	QAL-15	
D02.012.031	MCH-2574-3.0	HYDRO	RN SYSTEM	VT-2	QAL-15	
D02.012.032	MCH-2574-4.0	HYDRO	RN SYSTEM	VT-2	QAL-15	
D02.012.033	MCH-2604-3.0	HYDRO	RN SYSTEM	VT-2	QAL-15	
D02.012.034	MCH-1618-1.0	HYDRO	YC SYSTEM	VT-2	QAL-15	
D02.012.035	MCH-1618-2.0	HYDRO	YC SYSTEM	VT-2	QAL-15	
D02.012.036	MCH-1618-4.0	HYDRO	YC SYSTEM	VT-2	QAL-15	

Duke Power Company - McGuire Unit 1
Listing Of All Pressure Tests For Period = 3rd

Item Number	ISI Drawing	Required Test	System Name	Required Inspection	Required Procedure	Comments
D03.012.001	MCH-1570-1.0	HYDRO	KF SYSTEM	VT-2	QAL-15	

11.4 Examination Results For Third Inspection Period:

The results of each VT-2 Visual Examination required for the Third Inspection Period 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	=	ASME Section XI Tables IWB-2500-1 (Class 1), IWC-2500-1 (Class 2), and IWD-2500-1 (Class 3)
ISI Drawing	=	Detail Drawing of Inspection Boundary
Required Test	=	Type of Pressure Test
Test Status	=	Complete, Partial, Not Tested, or Not Required
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	=	VT-2 Examination Date
Comments	=	General and/or Detail Description

Duke Power Company - McGuire Unit 1
Pressure Testing VT-2 Results For 3rd Period

Item Number	ISI Drawing	Required Test	Test Status	Test Result	VT-2 Date	Comments
B04.012.001	MCM-1201.01-2	VISUAL	NOT TESTED	N/A	/ /	78 Welds CRDM to RPV Closure Head-Examine during Cl.1 Hydro Test
B04.013.001	MCM-1201.01-1	VISUAL	NOT TESTED	N/A	/ /	58 Welds INCORE to RPV Bottom Head-Examine during Cl.1 Hydro Test
B04.020.001	MCM-1201.01-0	VISUAL	NOT TESTED	N/A	/ /	78 Heater Penetrations in Lower Head-Examine during Cl.1 Hydro Test
B15.050.001	SEE COMMENTS	LEAK	COMPLETE	CLEAR	11/03/1999	Class A Leakage Boundary Dwgs: MCL-1553-1.0/2, MCL-1553-2.0/2, MCL-1553-2.1/5, MCL-1554-1.0/3, MCL-1554-1.1/3, MCL-1554-1.2/5, MCL-1561-1.0/5, MCL-1562-1.0/3, MCL-1562-2.0/4, MCL-1562-2.1/4, MCL-1562-3.0/5, MCL-1562-3.1/4
B15.051.001	SEE COMMENTS	HYDRO	NOT TESTED	N/A	/ /	Class A Hydro Boundary Dwgs: MCH-1553-1.0/2, MCH-1553-2.0/2, MCH-1553-2.1/3, MCH-1554-1.0/2, MCH-1554-1.1/2, MCH-1554-1.2/2, MCH-1561-1.0/4, MCH-1562-1.0/1, MCH-1562-2.0/3, MCH-1562-2.1/2, MCH-1562-3.0/2, MCH-1562-3.1/1
C07.040.003	MCH-1553-2.1	HYDRO	NOT TESTED	N/A	/ /	Class B penetrations M-212, M-216 and M-274
C07.040.004	MCH-1553-4.0	HYDRO	COMPLETE	CLEAR	10/04/1999	Class B penetrations M-326 and M-361
C07.040.005	MCH-1554-1.0	HYDRO	NOT TESTED	N/A	/ /	Class B penetrations M-339 and M-350
C07.040.006	MCH-1554-1.1	HYDRO	NOT TESTED	N/A	/ /	Class B penetrations M-256, M-343 and M-344
C07.040.007	MCH-1554-1.2	HYDRO	NOT TESTED	N/A	/ /	Class B penetrations M-228, M-329 and M-347
C07.040.008	MCH-1554-1.3	HYDRO	COMPLETE	CLEAR	09/23/1999	Class B penetration M-342

Duke Power Company - McGuire Unit 1
Pressure Testing VT-2 Results For 3rd Period

Item Number	ISI Drawing	Required Test	Test Status	Test Result	VT-2 Date	Comments
C07.040.009	MCH-1554-2.0	HYDRO	NOT TESTED	N/A	/ /	
C07.040.010	MCH-1554-3.0	HYDRO	NOT TESTED	N/A	/ /	
C07.040.011	MCH-1554-3.1	HYDRO	NOT TESTED	N/A	/ /	
C07.040.013	MCH-1554-5.0	HYDRO	NOT TESTED	N/A	/ /	
C07.040.016	MCH-1556-3.0	HYDRO	COMPLETE	CLEAR	09/22/1999	Class B penetration M-259
C07.040.017	MCH-1558-4.0	HYDRO	COMPLETE	CLEAR	10/20/1999	Class B penetrations M-371, M-372, M-373, and M-39
C07.040.018	MCH-1561-1.0	HYDRO	NOT TESTED	N/A	/ /	VT-2 Examination of C02.033.001 and C02.033.002 Telltale Hole also required
C07.040.019	MCH-1562-1.0	HYDRO	NOT TESTED	N/A	/ /	Class B penetration M-351
C07.040.020	MCH-1562-2.0	HYDRO	PARTIAL	CLEAR	10/28/1999	Class B penetration M-330
C07.040.021	MCH-1562-2.1	HYDRO	PARTIAL	CLEAR	10/28/1999	Class B penetration M-321
C07.040.022	MCH-1562-3.0	HYDRO	NOT TESTED	N/A	/ /	Class B penetration M-277, M-316 and M-319
C07.040.023	MCH-1562-3.1	HYDRO	PARTIAL	CLEAR	09/22/1999	Class B penetration M-278, M-302, M-306, M-336 and M-352
C07.040.024	MCH-1563-1.0	HYDRO	NOT TESTED	N/A	/ /	VT-2 Examination of C02.033.005 and C02.033.006 Telltale Hole also required
C07.040.025	MCH-1565-1.0	HYDRO	COMPLETE	CLEAR	10/19/1999	Class B penetration M-348 and M-374
C07.040.026	MCH-1565-1.1	HYDRO	NOT TESTED	N/A	/ /	Class B penetration M-360 and M-375
C07.040.027	MCH-1565-7.0	HYDRO	COMPLETE	CLEAR	10/17/1999	Class B penetration M-221
C07.040.030	MCH-1571-1.0	HYDRO	PARTIAL	CLEAR	09/24/1999	Class B penetrations M-358 and M-377
C07.040.031	MCH-1572-1.0	HYDRO	PARTIAL	CLEAR	11/03/1999	Class B penetrations M-235 and M-309
C07.040.032	MCH-1572-1.1	HYDRO	PARTIAL	CLEAR	10/28/1999	Class B penetration M-280

Duke Power Company - McGuire Unit 1
Pressure Testing VT-2 Results For 3rd Period

Item Number	ISI Drawing	Required Test	Test Status	Test Result	VT-2 Date	Comments
C07.040.034	MCH-1572-3.0	HYDRO	NOT TESTED	N/A	/ /	Class B penetrations M-335, M-338, M-340 and M-341
C07.040.036	MCH-1573-3.1	HYDRO	PARTIAL	CLEAR	09/18/1999	Class B penetrations M-217, M-218, M-320, M-327, M-355 and M-376
C07.040.038	MCH-1580-1.0	HYDRO	NOT TESTED	N/A	/ /	Class B penetration M-300, M-301, M-303 and M-304
C07.040.039	MCH-1584-1.0	HYDRO	NOT TESTED	N/A	/ /	
C07.040.040	MCH-1591-1.1	HYDRO	NOT TESTED	N/A	/ /	Class B penetrations M-153, M-262, M-308 and M-440
C07.040.041	MCH-1592-1.0	HYDRO	NOT TESTED	N/A	/ /	Class B penetrations M-156, M-286, M-465 and M-3100
C07.040.042	MCH-1574-4.0	HYDRO	PARTIAL	CLEAR	09/18/1999	Class B penetration M-307 and M-315
C07.040.043	MCH-1593-1.0	HYDRO	NOT TESTED	N/A	/ /	Class B penetrations M-154 and M-261
C07.040.044	MCH-1593-1.2	HYDRO	NOT TESTED	N/A	/ /	
C07.040.045	MCH-1593-1.3	HYDRO	NOT TESTED	N/A	/ /	Class B penetrations M-393 and M-441
C07.040.046	MCH-1599-2.2	HYDRO	COMPLETE	CLEAR	10/04/1999	Class B penetration M-353
C07.040.047	MCH-1601-2.4	HYDRO	COMPLETE	CLEAR	09/22/1999	Class B penetration M-337
C07.040.048	MCH-1604-3.0	HYDRO	PARTIAL	CLEAR	09/18/1999	Class B penetrations M-240, M-279, M-385 and M-390
C07.040.049	MCH-1605-1.14	HYDRO	NOT TESTED	N/A	/ /	Class B penetrations for instrument air system (no penetration number)
C07.040.050	MCH-1605-1.17	HYDRO	NOT TESTED	N/A	/ /	
C07.040.051	MCH-1605-1.2	HYDRO	COMPLETE	CLEAR	10/01/1999	Class B penetrations M-317 and M-386

Duke Power Company - McGuire Unit 1
Pressure Testing VT-2 Results For 3rd Period

Item Number	ISI Drawing	Required Test	Test Status	Test Result	VT-2 Date	Comments
C07.040.052	MCH-1605-1.3	HYDRO	COMPLETE	CLEAR	09/23/1999	Class B penetrations M-220 and M-359
C07.040.053	MCH-1605-3.1	HYDRO	COMPLETE	CLEAR	09/21/1999	Class B penetration M-215
C07.040.054	MCH-1617-1.0	HYDRO	NOT TESTED	N/A	/ /	
C07.040.055	MCH-1573-4.0	HYDRO	COMPLETE	CLEAR	10/03/1999	Class B penetration M-322
C07.040.056	MCH-1605-2.2	HYDRO	COMPLETE	CLEAR	09/21/1999	Class B penetration M-219
D01.012.002	MCH-1554-2.0	HYDRO	NOT TESTED	N/A	/ /	
D01.012.003	MCH-1554-3.1	HYDRO	NOT TESTED	N/A	/ /	
D01.012.004	MCH-1554-5.0	HYDRO	NOT TESTED	N/A	/ /	
D02.011.019	MCL-1609-3.0	FUNCT	NOT TESTED	N/A	/ /	This test is required for periods 1, 2 and 3. 2nd Period Station Pkg. Nos: #7
D02.011.020	MCL-1609-3.1	FUNCT	NOT TESTED	N/A	/ /	This test is required for periods 1, 2 and 3 - Stm. Pkg.# 8
D02.012.002	MCH-1573-1.0	HYDRO	NOT TESTED	N/A	/ /	
D02.012.003	MCH-1573-1.1	HYDRO	NOT TESTED	N/A	/ /	
D02.012.010	MCH-1574-1.0	HYDRO	NOT TESTED	N/A	/ /	
D02.012.011	MCH-1574-1.1	HYDRO	NOT TESTED	N/A	/ /	
D02.012.012	MCH-1574-2.0	HYDRO	NOT TESTED	N/A	/ /	
D02.012.013	MCH-1574-2.1	HYDRO	NOT TESTED	N/A	/ /	
D02.012.014	MCH-1574-3.0	HYDRO	NOT TESTED	N/A	/ /	
D02.012.015	MCH-1574-3.1	HYDRO	NOT TESTED	N/A	/ /	
D02.012.016	MCH-1574-4.0	HYDRO	NOT TESTED	N/A	/ /	
D02.012.017	MCH-1581-1.0	HYDRO	NOT TESTED	N/A	/ /	

Duke Power Company - McGuire Unit 1
Pressure Testing VT-2 Results For 3rd Period

Item Number	ISI Drawing	Required Test	Test Status	Test Result	VT-2 Date	Comments
D02.012.018	MCH-1592-1.0	HYDRO	NOT TESTED	N/A	/ /	
D02.012.019	MCH-1592-1.1	HYDRO	NOT TESTED	N/A	/ /	
D02.012.020	MCH-1593-1.2	HYDRO	NOT TESTED	N/A	/ /	
D02.012.021	MCH-1604-3.0	HYDRO	NOT TESTED	N/A	/ /	
D02.012.023	MCH-1609-1.0	HYDRO	NOT TESTED	N/A	/ /	
D02.012.024	MCH-1609-1.1	HYDRO	NOT TESTED	N/A	/ /	
D02.012.025	MCH-1609-2.0	HYDRO	NOT TESTED	N/A	/ /	
D02.012.026	MCH-1609-2.1	HYDRO	NOT TESTED	N/A	/ /	
D02.012.027	MCH-1609-3.0	HYDRO	NOT TESTED	N/A	/ /	This test is required for periods 2 and 3 - 2nd Period Station Pkg.#7
D02.012.028	MCH-1609-3.1	HYDRO	NOT TESTED	N/A	/ /	This test is required for periods 2 and 3 - 2nd Period Station Pkg. #8
D02.012.029	MCH-1609-4.0	HYDRO	NOT TESTED	N/A	/ /	
D02.012.030	MCH-2574-1.1	HYDRO	NOT TESTED	N/A	/ /	
D02.012.031	MCH-2574-3.0	HYDRO	NOT TESTED	N/A	/ /	
D02.012.032	MCH-2574-4.0	HYDRO	NOT TESTED	N/A	/ /	
D02.012.033	MCH-2604-3.0	HYDRO	NOT TESTED	N/A	/ /	
D02.012.034	MCH-1618-1.0	HYDRO	NOT TESTED	N/A	/ /	
D02.012.035	MCH-1618-2.0	HYDRO	NOT TESTED	N/A	/ /	
D02.012.036	MCH-1618-4.0	HYDRO	NOT TESTED	N/A	/ /	
D03.012.001	MCH-1570-1.0	HYDRO	NOT TESTED	N/A	/ /	

11.5 Reportable Indications:

None