Duke Power®
A Duke Energy Company

GARY R. PETERSON
Vice President
McGuire Nuclear Station

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January 9, 2006

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

ATTENTION: Document Control Desk

Subject: McGuire Nuclear Station, Unit 1
Docket No. 50-369
Inservice Inspection Report
End of Cycle 17 Refueling Outage

Attached is the Inservice Inspection Report of Duke Energy Corporation's (Duke) McGuire Nuclear Station Unit 1 for Outage 3/EOC 17. This report is submitted pursuant to the filing requirements of Article IWA-6000 of Section XI of the ASME Code.

Reportable Indications

One reportable indication was found in the pressurizer lower head to shell weld. This indication was determined to exceed the allowable flaw size for acceptance by volumetric examination. In such cases, the ASME Code allows acceptance of the flaw indication by analytical evaluation. Therefore, the indication was evaluated in accordance with the methods described in paragraph IWB-3600 of ASME Code Section XI.

Section 4.1 of the attached report includes a copy of the "Flaw Evaluation for McGuire Unit 1 Pressurizer Lower Head to Shell Weld," performed by Westinghouse. The evaluation concludes that the Unit 1 pressurizer is acceptable for continued operation for a period of ten years without repair, and that the following standards have been satisfied:

1) Acceptance Criteria Based on Flaw Size (IWB-3611)
2) Acceptance Criteria Based on Stress Intensity Factor (IWB-3612)

Duke requests NRC review and approval of the flaw evaluation report.

Limited Examinations

Section 4.4 of the attached report lists the limited examination item number. A limited examination relief request is under development and will be submitted to the NRC for review and approval in accordance with 10 CFR 50.55a(g)(5)(iii).

This Inservice Inspection Report contains no regulatory commitment statements. Any questions on this matter should be directed to Norman T. Simms, Regulatory Compliance, at (704) 875-4685.

Sincerely,

G.R. Peterson

Attachment

cc w/o att:

Mr. W.D. Travers
Regional Administrator, Region II
U. S. Nuclear Regulatory Commission
Atlanta Federal Center, 23 T 85
61 Forsyth Street, S.W.
Atlanta, Georgia 30303

Mr. J.F. Stang Jr., Project Manager (addressee only)
Office of Nuclear Reactor Regulation
U. S. Nuclear Regulatory Commission
One White Flint North, Mail Stop O-8H4A
11555 Rockville Pike
Rockville, MD 20852-2738

J.B. Brady
NRC Senior Resident Inspector
McGuire Nuclear Station

bxc w/att:

Master File: 1.3.8.1 - Routine Reports
F.L. Grass (MG01MM)
Kay L. Crane

bxc w/o att:

C.J. Thomas
G.J. Underwood (EC05A)
Jerome Swan (MG01MM)
R.K. Rhyne (EC05A)
R. Branch (MG01MM)
N.T. Simms
ELL (EC050)

ATTACHMENT

INSERVICE INSPECTION REPORT

Duke Power Company
McGuire Nuclear Station
Unit 1
Seventeenth Refueling Outage

Duke Energy SM

OWNER'S REPORT
FOR
INSERVICE INSPECTIONS

MCGUIRE UNIT 1

2005 REFUELING OUTAGE 3/EOC 17

Location: McGuire Nuclear Station
12700 Hagers Ferry Road
Huntersville, North Carolina 28078-9340

NRC Docket No. 50-369

National Board No. 44

Commercial Service Date: December 1, 1981

Document Completion Date: 12-19-2005

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

Revision 0

Prepared By: Gary Underwood Date 12-14-05

Reviewed By: Larry C. Keith Date 12-14-05

Approved By: L. Kevin Rhyne Date 12/19/05

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, 12700 Hagers Ferry Road Huntersville, N.C. 28078-9340
(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 the 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.

Total number of pages contained in this report 122.

FORM NIS-1 (Back)

8. Examination Dates April 13, 2004 to October 18, 2005

9. Inspection Period Identification: Second Period

10. Inspection Interval Identification: Third Interval

11. Applicable Edition of Section XI 1998 Addenda 2000

12. Date/Revision of Inspection Plan: September 8, 2005 / Revision 1

13. Abstract of Examinations and Tests. Include a list of examinations and tests and a statement concerning status of work required for the Inspection Plan. See Sections 2.0, 3.0, and 6.0

14. Abstract of Results of Examinations and Tests. See Section 4.0, and 6.0

15. Abstract of Corrective Measures. See Section 4.3

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

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

Date 12/19 20 05 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 * HSB CT. of Connecticut have inspected the components described in this Owners' Report during the period April 13, 2004 to October 18, 2005, 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

Jerome F. Swan Commissions N.C. 1524 I,N
Inspector's Signature National Board, State, Province, and Endorsements

Date December 19, 2005

* The Hartford Steam Boiler Inspection & Insurance Company of Connecticut
200 Ashford Center North
Suite 205
Atlanta, GA. 30338-4860
(800) 417-3721
www.hsbct.com

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   Inspection and Insurance
   Corporation of Connecticut
   (AIA)
   c/o ANII. At McGuire

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

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1.0 General Information

This report describes the Inservice Inspection of Duke Energy Corporation's McGuire Nuclear Station Unit 1 during Outage 3 / EOC 17. This is the first outage of the Second Inspection Period of the Third Ten-Year Interval. ASME Section XI, 1998 Edition through the 2000 Addenda was the governing Code for selection and performance of the ISI examinations.

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

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	Atlas Industrial Manufacturing Company	1809	NC-187817	1554
Letdown Heat Exchanger	Joseph Oat & Sons, Inc.	2049-2A	NC-187881	552
Reciprocating Charging Pump	Union Pump Company	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	74730-002	N/A	002
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 Personnel, Equipment and Material Certifications

All personnel who performed or evaluated the results of inservice inspections during the time frame bracketed by the examination dates shown on the NIS-1 Form were certified in accordance with the requirements of the 1998 Edition of ASME Section XI with the 2000 Addenda including Appendix VII for ultrasonic inspections. In addition, ultrasonic examiners were qualified in accordance with ASME Section XI, Appendix VIII, and 1995 Edition with the 1996 Addenda through the Performance Demonstration Initiative (PDI) for similar metal piping welds.

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

1.3 *Reference Documents*

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

1. Request for Relief (RFR) 01-004 (Class 1, 2 and 3 snubber examination under station technical specification)

2. RFR 01-005 (Risk Informed Inservice Inspection Program Submittal)

3. RFR 01-008 (Risk Informed ISI Alternative to Use VT-2 Instead of Volumetric Examination of Socket Welds)

4. Code Case N-460 (Alternative Examination Coverage For Class 1 and Class 2 Welds)

5. RFR-01-GO-002 to use Code Case N-416-2 "Alternative Pressure Test Requirement for Welded Repairs, Fabrication Welds for Replacement Parts and Piping Subassemblies, or Installation of Replacement Items by Welding, Class 1, 2 and 3 Section XI, Division 1."

6. Westinghouse Flaw Evaluation For McGuire Unit 1Pressurizer Lower Head to Shell Weld

1.4 *Augmented and Elective Examinations*

Augmented and elective examination information found within this Inservice Inspection Report is not required by the ASME Section XI Code; therefore, it is exempt from ANII review, verification, and/or record certification.

1.5 *Responsible Inspection Agency*

The Hartford Steam Boiler Inspection and Insurance Company of Connecticut is responsible for the third party inspections required by ASME Section XI.

Authorized Nuclear Inservices Inspectior(s)

Name:	J. F. Swan
Employer:	The Hartford Steam Boiler Inspection & Insurance Company of Connecticut
Business Address:	200 Ashford Center North Suite 205 Atlanta, GA 30338-4860 (800) 417-3721 www.hsbct.com

2.0 *Third Ten-Year Interval Inspection Status*

The completion status of inspections required by the 1998 ASME Code Section XI through the 2000 Addenda is summarized in this section. The requirements are listed by the ASME Section XI Examination Category as defined in Table IWB-2500-1 for Class 1 Inspections, Table IWC-2500-1 for Class 2 Inspections and IWF-2500-1 for Class 1, 2, and 3 Component Supports. Augmented and Risk Informed inspections are also included.

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

Class 1 Inspections

Examination Category	*Description*	*Inspections Required*	*Inspections Completed*	*Percentage Completed*	*[6]Deferral Allowed*
B-A	Pressure Retaining Welds in Reactor Vessel	28	5	17.85%	Yes
B-B	Pressure Retaining Welds in Vessels Other than Reactor Vessel	5	3	60.00%	No
B-D	Full Penetration Welded Nozzles in Vessels Inspection Program B	36	10	27.77%	Partial
B-F	Pressure Retaining Dissimilar Metal Welds in Vessel Nozzles	Reference Risk Informed Program R01. Items			
B-G-1	Pressure Retaining Bolting Greater than 2 " in Diameter	243	151	62.13%	No

Class 1 Inspections (Continued)

Examination Category	Description	Inspections Required	Inspections Completed	Percentage Completed	[6]Deferral Allowed
B-G-2	Pressure Retaining Bolting 2" and Less in Diameter	16	7	43.75%	No
B-J	Pressure Retaining Welds in Piping	Reference Risk Informed Program R01. Items			
B-K	Welded Attachments for Piping, Pumps and Valves	6	4	66.66%	No
B-L-1	Pressure Retaining Welds in Pump Casings	N/A	N/A	N/A	Yes
B-L-2	Pump Casings	1	0	0.00%	Yes
B-M-1	Pressure Retaining Welds in Valve Bodies	N/A	N/A	N/A	Yes
B-M-2	Valve Body > 4 in. Nominal Pipe Size	7	4	57.14%	Yes
B-N-1	Interior of Reactor Vessel	3	1	33.33%	No
B-N-2	Integrally Welded Core Support Structures and Interior Attachments to Reactor Vessels	2	0	0.00%	Yes
B-N-3	Removable Core Support Structures	1	0	0.00%	Yes
B-O	Pressure Retaining Welds in Control Rod Housings	3	1	33.33%	Yes

Class 1 Inspections (Continued)

Examination Category	*Description*	*Inspections Required*	*Inspections Completed*	*Percentage Completed*	*[6]Deferral Allowed*
B-P	All Pressure Retaining Components	REFERENCE SECTION 6.0 OF THIS REPORT			
B-Q	Steam Generator Tubing	**See Note Below**			
F-A F01.010	Class 1 Component Supports	69	28	40.57%	No

Note: Steam Generator Tubing is examined and documented by the Metallurgy and Lab Services Section/Nuclear Technical 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 2500-1. These examination categories are exempt from percentage requirements per IWB-2412 (a), Inspection Program B.

Class 2 Inspections

Examination Category	*Description*	*Inspections Required*	*Inspections Completed*	*Percentage Completed*	*[6]Deferral Allowed*
C-A	Pressure Retaining Welds in Pressure Vessels	26	8	30.76%	No
C-B	Pressure Retaining Nozzle Welds in Vessels	9	4	44.44%	No
C-C	Integral Attachments for Vessels, Piping, Pumps and Valves	33	15	45.45%	No
C-D	Pressure Retaining Bolting Greater Than 2" in Diameter	N/A	N/A	N/A	N/A
C-F-1	Pressure Retaining Welds in Austenitic Stainless Steel or High Alloy Piping	Reference Risk Informed Program R01. Items			
C-F-2	Pressure Retaining Welds in Carbon or Low Alloy Steel Piping	Reference Risk Informed Program R01. Items			
C-G	Pressure Retaining Welds in Pumps and Valves	3	2	66.66%	No
C-H	All Pressure Retaining Components	REFERENCE SECTION 6.0 OF THIS REPORT			
F-A F01.020	Class 2 Component Supports	233	99	42.48%	No

Additional Component Support Examinations Class 1, 2 & 3

Examination Category	*Description*	*Inspections Required*	*Inspections Completed*	*Percentage Completed*	*[6]Deferral Allowed*
F-A F01.040	Supports other than Piping Supports Class 1, 2 & 3	45	19	42.22%	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 01-004

Risk Informed Inservice Inspection Program Class 1 and 2

Examination Category	*Description*	*Inspections Required*	*Inspections Completed*	*Percentage Completed*	*[6]Deferral Allowed*
R-A	Piping Examinations Class 1 and 2	99	39	39.39%	No

Augmented Inspections

Description	*Percentage Complete*
Pipe Rupture Protection (Item No. Series G03.)	5 Examinations required for Outage 3 / EOC-17
Reactor Vessel Head to Pipe Welds (Item No. Series G04.)	No Examinations required for Outage 3 / EOC-17
Bare Metal Inspections (Item No. Series G05.)	No Examinations required for Outage 3 / EOC-17

3.0 *Final Inservice Inspection Plan*

The final Inservice Inspection Plan shown in this section lists all ASME Section XI Class 1, Class 2, Class 3, Augmented and Risk Informed examinations credited for this report period.

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

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

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

Pressurizer

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

McGuire 1

Inservice Inspection Plan for Interval 3 Outage 3

ITEM NUMBER	ID NUMBER	SYS	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
****** Shell-to-Head; Circumferential ******									
B02.011.001	1PZR-1		MCM 1201.01-170	NDE-620	UT	CS	91.500	50337	PRESSURIZER LOWER HEAD TO SHELL.
	Circumferential		MCM 1201.01-171	PDI-UT-6			3.750	50236A	WELD TO BE EXAMINED OUTAGE 6/EOC 21
Class A					Head to Shell				(THIRD INTERVAL), OUTAGE 1/EOC 22 AND OUTAGE 3/EOC 24 (FOURTH INTERVAL) PER REQUIREMENTS OF IWB-2420 (B)
B02.011.002	1PZR-5		MCM 1201.01-170	NDE-620	UT	CS	91.500	50337	PRESSURIZER CIRCUMFERENTIAL WELD.
	Circumferential		MCM 1201.01-171	PDI-UT-6			3.750	50236A	EXAMINED OUTAGE 3/EOC17 ADDITIONAL
Class A					PZR Upper Head to Shell				SAMPLE FOR ITEM NUMBER B02.011.001 REFERENCE PIP M-05-4894
Total B02.011 Items:	**2**								
****** Shell-to-Head; 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	PDI-UT-6			3.750	50236A	
Class A					Head to Shell				
B02.012.002	1PZR-9		MCM 1201.01-170	NDE-620	UT	CS	91.500	50337	PRESSURIZER UPPER HEAD TO SHELL.
	Longitudinal		MCM 1201.01-171	PDI-UT-6			3.750	50236A	EXAMINED OUTAGE 3/EOC17 ADDITIONAL
Class A					Head to Shell				SAMPLE FOR ITEM NUMBER B02.011.001 REFERENCE PIP M-05-4894
Total B02.012 Items:	**2**								
Total B02 Items:	**4**								

CATEGORY B-G-1, Pressure Retaining Bolting, Greater Than 2 In. In Diameter

Reactor Vessel

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

McGuire 1

Inservice Inspection Plan for Interval 3 Outage 3

ITEM NUMBER	ID NUMBER	SYS	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
**** Closure Head Nuts ****									
B06.010.009	1RPV-449-02-09		MCM 1201.01-204	QAL-13	VT-1	CS	10.540		REACTOR VESSEL CLOSURE HEAD NUT.
		NC	MCM 1201.01-206				1.770		
B06.010.010	1RPV-449-02-10		MCM 1201.01-204	QAL-13	VT-1	CS	10.540		REACTOR VESSEL CLOSURE HEAD NUT.
		NC	MCM 1201.01-206				1.770		
B06.010.011	1RPV-449-02-11		MCM 1201.01-204	QAL-13	VT-1	CS	10.540		REACTOR VESSEL CLOSURE HEAD NUT.
		NC	MCM 1201.01-206				1.770		
B06.010.016	1RPV-449-02-16		MCM 1201.01-204	QAL-13	VT-1	CS	10.540		REACTOR VESSEL CLOSURE HEAD NUT.
		NC	MCM 1201.01-206				1.770		
B06.010.017	1RPV-449-02-17		MCM 1201.01-204	QAL-13	VT-1	CS	10.540		REACTOR VESSEL CLOSURE HEAD NUT.
		NC	MCM 1201.01-206				1.770		
B06.010.018	1RPV-449-02-18		MCM 1201.01-204	QAL-13	VT-1	CS	10.540		REACTOR VESSEL CLOSURE HEAD NUT.
		NC	MCM 1201.01-206				1.770		
B06.010.019	1RPV-449-02-19		MCM 1201.01-204	QAL-13	VT-1	CS	10.540		REACTOR VESSEL CLOSURE HEAD NUT.
		NC	MCM 1201.01-206				1.770		
B06.010.020	1RPV-449-02-20		MCM 1201.01-204	QAL-13	VT-1	CS	10.540		REACTOR VESSEL CLOSURE HEAD NUT.
		NC	MCM 1201.01-206				1.770		

CATEGORY B-G-1, Pressure Retaining Bolting, Greater Than 2 in. In Diameter

Reactor Vessel

ITEM NUMBER	ID NUMBER	SYS	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
B06.010.021	1RPV-449-02-21		MCM 1201.01-204	QAL-13	VT-1	CS	10.540		REACTOR VESSEL CLOSURE HEAD NUT.
		NC	MCM 1201.01-206				1.770		
B06.010.022	1RPV-449-02-22		MCM 1201.01-204	QAL-13	VT-1	CS	10.540		REACTOR VESSEL CLOSURE HEAD NUT.
		NC	MCM 1201.01-206				1.770		
B06.010.023	1RPV-449-02-23		MCM 1201.01-204	QAL-13	VT-1	CS	10.540		REACTOR VESSEL CLOSURE HEAD NUT.
		NC	MCM 1201.01-206				1.770		
B06.010.024	1RPV-449-02-24		MCM 1201.01-204	QAL-13	VT-1	CS	10.540		REACTOR VESSEL CLOSURE HEAD NUT.
		NC	MCM 1201.01-206				1.770		
B06.010.025	1RPV-449-02-25		MCM 1201.01-204	QAL-13	VT-1	CS	10.540		REACTOR VESSEL CLOSURE HEAD NUT.
		NC	MCM 1201.01-206				1.770		
B06.010.026	1RPV-449-02-26		MCM 1201.01-204	QAL-13	VT-1	CS	10.540		REACTOR VESSEL CLOSURE HEAD NUT.
		NC	MCM 1201.01-206				1.770		
B06.010.027	1RPV-449-02-27		MCM 1201.01-204	QAL-13	VT-1	CS	10.540		REACTOR VESSEL CLOSURE HEAD NUT.
		NC	MCM 1201.01-206				1.770		
B06.010.028	1RPV-449-02-28		MCM 1201.01-204	QAL-13	VT-1	CS	10.540		REACTOR VESSEL CLOSURE HEAD NUT.
		NC	MCM 1201.01-206				1.770		
B06.010.029	1RPV-449-02-29		MCM 1201.01-204	QAL-13	VT-1	CS	10.540		REACTOR VESSEL CLOSURE HEAD NUT.
		NC	MCM 1201.01-206				1.770		

CATEGORY B-G-1, Pressure Retaining Bolting, Greater Than 2 in. In Diameter

Reactor Vessel

DUKE ENERGY CORPORATION
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ITEM NUMBER	ID NUMBER	SYS	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
B06.010.030	1RPV-449-02-30		MCM 1201.01-204	QAL-13	VT-1	CS	10.540		REACTOR VESSEL CLOSURE HEAD NUT.
		NC	MCM 1201.01-206				1.770		
B06.010.031	1RPV-449-02-31		MCM 1201.01-204	QAL-13	VT-1	CS	10.540		REACTOR VESSEL CLOSURE HEAD NUT.
		NC	MCM 1201.01-206				1.770		
B06.010.032	1RPV-449-02-32		MCM 1201.01-204	QAL-13	VT-1	CS	10.540		REACTOR VESSEL CLOSURE HEAD NUT.
		NC	MCM 1201.01-206				1.770		
B06.010.033	1RPV-449-02-33		MCM 1201.01-204	QAL-13	VT-1	CS	10.540		REACTOR VESSEL CLOSURE HEAD NUT.
		NC	MCM 1201.01-206				1.770		
B06.010.034	1RPV-449-02-34		MCM 1201.01-204	QAL-13	VT-1	CS	10.540		REACTOR VESSEL CLOSURE HEAD NUT.
		NC	MCM 1201.01-206				1.770		
B06.010.035	1RPV-449-02-35		MCM 1201.01-204	QAL-13	VT-1	CS	10.540		REACTOR VESSEL CLOSURE HEAD NUT.
		NC	MCM 1201.01-206				1.770		
B06.010.036	1RPV-449-02-36		MCM 1201.01-204	QAL-13	VT-1	CS	10.540		REACTOR VESSEL CLOSURE HEAD NUT.
		NC	MCM 1201.01-206				1.770		

Total B06.010 Items: 24

CATEGORY B-G-1, Pressure Retaining Bolting, Greater Than 2 in. In Diameter

Reactor Vessel

ITEM NUMBER	ID NUMBER	SYS	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
**** Closure Studs, when removed ****									
B06.030.016	1RPV-449-01-16		MCM 1201.01-204	PDI-UT-5	UT	CS	7.000	50501	REACTOR VESSEL CLOSURE HEAD STUD.
		NC	MCM 1201.01-206				57.688		
Class A									
B06.030.017	1RPV-449-01-17		MCM 1201.01-204	PDI-UT-5	UT	CS	7.000	50501	REACTOR VESSEL CLOSURE HEAD STUD.
		NC	MCM 1201.01-206				57.688		
Class A									
B06.030.018	1RPV-449-01-18		MCM 1201.01-204	PDI-UT-5	UT	CS	7.000	50501	REACTOR VESSEL CLOSURE HEAD STUD.
		NC	MCM 1201.01-206				57.688		
Class A									
B06.030.019	1RPV-449-01-19		MCM 1201.01-204	PDI-UT-5	UT	CS	7.000	50501	REACTOR VESSEL CLOSURE HEAD STUD.
		NC	MCM 1201.01-206				57.688		
Class A									
B06.030.020	1RPV-449-01-20		MCM 1201.01-204	PDI-UT-5	UT	CS	7.000	50501	REACTOR VESSEL CLOSURE HEAD STUD.
		NC	MCM 1201.01-206				57.688		
Class A									
B06.030.021	1RPV-449-01-21		MCM 1201.01-204	PDI-UT-5	UT	CS	7.000	50501	REACTOR VESSEL CLOSURE HEAD STUD.
		NC	MCM 1201.01-206				57.688		
Class A									
B06.030.022	1RPV-449-01-22		MCM 1201.01-204	PDI-UT-5	UT	CS	7.000	50501	REACTOR VESSEL CLOSURE HEAD STUD.
		NC	MCM 1201.01-206				57.688		
Class A									
B06.030.023	1RPV-449-01-23		MCM 1201.01-204	PDI-UT-5	UT	CS	7.000	50501	REACTOR VESSEL CLOSURE HEAD STUD.
		NC	MCM 1201.01-206				57.688		
Class A									

CATEGORY B-G-1, Pressure Retaining Bolting, Greater Than 2 In. In Diameter

Reactor Vessel

ITEM NUMBER	ID NUMBER	SYS	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
B06.030.024	1RPV-449-01-24		MCM 1201.01-204	PDI-UT-5	UT	CS	7.000	50501	REACTOR VESSEL CLOSURE HEAD STUD.
		NC	MCM 1201.01-206				57.688		
Class A									
B06.030.025	1RPV-449-01-25		MCM 1201.01-204	PDI-UT-5	UT	CS	7.000	50501	REACTOR VESSEL CLOSURE HEAD STUD.
		NC	MCM 1201.01-206				57.688		
Class A									
B06.030.026	1RPV-449-01-26		MCM 1201.01-204	PDI-UT-5	UT	CS	7.000	50501	REACTOR VESSEL CLOSURE HEAD STUD.
		NC	MCM 1201.01-206				57.688		
Class A									
B06.030.027	1RPV-449-01-27		MCM 1201.01-204	PDI-UT-5	UT	CS	7.000	50501	REACTOR VESSEL CLOSURE HEAD STUD.
		NC	MCM 1201.01-206				57.688		
Class A									
B06.030.028	1RPV-449-01-28		MCM 1201.01-204	PDI-UT-5	UT	CS	7.000	50501	REACTOR VESSEL CLOSURE HEAD STUD.
		NC	MCM 1201.01-206				57.688		
Class A									
B06.030.029	1RPV-449-01-29		MCM 1201.01-204	PDI-UT-5	UT	CS	7.000	50501	REACTOR VESSEL CLOSURE HEAD STUD.
		NC	MCM 1201.01-206				57.688		
Class A									
B06.030.030	1RPV-449-01-30		MCM 1201.01-204	PDI-UT-5	UT	CS	7.000	50501	REACTOR VESSEL CLOSURE HEAD STUD.
		NC	MCM 1201.01-206				57.688		
Class A									
B06.030.031	1RPV-449-01-31		MCM 1201.01-204	PDI-UT-5	UT	CS	7.000	50501	REACTOR VESSEL CLOSURE HEAD STUD.
		NC	MCM 1201.01-206				57.688		
Class A									
B06.030.032	1RPV-449-01-32		MCM 1201.01-204	PDI-UT-5	UT	CS	7.000	50501	REACTOR VESSEL CLOSURE HEAD STUD.
		NC	MCM 1201.01-206				57.688		
Class A									

CATEGORY B-G-1, Pressure Retaining Bolting, Greater Than 2 in. In Diameter

Reactor Vessel

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ITEM NUMBER	ID NUMBER	SYS	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
B06.030.033	1RPV-449-01-33		MCM 1201.01-204	PDI-UT-5	UT	CS	7.000	50501	REACTOR VESSEL CLOSURE HEAD STUD.
		NC	MCM 1201.01-206				57.688		
Class A									
B06.030.034	1RPV-449-01-34		MCM 1201.01-204	PDI-UT-5	UT	CS	7.000	50501	REACTOR VESSEL CLOSURE HEAD STUD.
		NC	MCM 1201.01-206				57.688		
Class A									
B06.030.035	1RPV-449-01-35		MCM 1201.01-204	PDI-UT-5	UT	CS	7.000	50501	REACTOR VESSEL CLOSURE HEAD STUD.
		NC	MCM 1201.01-206				57.688		
Class A									
B06.030.036	1RPV-449-01-36		MCM 1201.01-204	PDI-UT-5	UT	CS	7.000	50501	REACTOR VESSEL CLOSURE HEAD STUD.
		NC	MCM 1201.01-206				57.688		
Class A									

Total B06.030 Items: 21

CATEGORY B-G-1, Pressure Retaining Bolting, Greater Than 2 in. In Diameter

Reactor Vessel

McGuire 1

Inservice Inspection Plan for Interval 3 Outage 3

ITEM NUMBER	ID NUMBER	SYS	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
**** Closure Washers, Bushings ****									
B06.050.009	1RPV-449-03-09		MCM 1201.01-204	QAL-13	VT-1	CS	10.560		REACTOR VESSEL CLOSURE HEAD WASHER.
		NC	MCM 1201.01-206				1.719		
Class A									
B06.050.010	1RPV-449-03-10		MCM 1201.01-204	QAL-13	VT-1	CS	10.560		REACTOR VESSEL CLOSURE HEAD WASHER.
		NC	MCM 1201.01-206				1.719		
Class A									
B06.050.011	1RPV-449-03-11		MCM 1201.01-204	QAL-13	VT-1	CS	10.560		REACTOR VESSEL CLOSURE HEAD WASHER.
		NC	MCM 1201.01-206				1.719		
Class A									
B06.050.016	1RPV-449-03-16		MCM 1201.01-204	QAL-13	VT-1	CS	10.560		REACTOR VESSEL CLOSURE HEAD WASHER.
		NC	MCM 1201.01-206				1.719		
Class A									
B06.050.017	1RPV-449-03-17		MCM 1201.01-204	QAL-13	VT-1	CS	10.560		REACTOR VESSEL CLOSURE HEAD WASHER.
		NC	MCM 1201.01-206				1.719		
Class A									
B06.050.018	1RPV-449-03-18		MCM 1201.01-204	QAL-13	VT-1	CS	10.560		REACTOR VESSEL CLOSURE HEAD WASHER.
		NC	MCM 1201.01-206				1.719		
Class A									
B06.050.019	1RPV-449-03-19		MCM 1201.01-204	QAL-13	VT-1	CS	10.560		REACTOR VESSEL CLOSURE HEAD WASHER.
		NC	MCM 1201.01-206				1.719		
Class A									
B06.050.020	1RPV-449-03-20		MCM 1201.01-204	QAL-13	VT-1	CS	10.560		REACTOR VESSEL CLOSURE HEAD WASHER.
		NC	MCM 1201.01-206				1.719		
Class A									

CATEGORY B-G-1, Pressure Retaining Bolting, Greater Than 2 in. In Diameter

Reactor Vessel

ITEM NUMBER	ID NUMBER	SYS	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
B06.050.021	1RPV-449-03-21		MCM 1201.01-204	QAL-13	VT-1	CS	10.560		REACTOR VESSEL CLOSURE HEAD WASHER.
		NC	MCM 1201.01-206				1.719		
Class A									
B06.050.022	1RPV-449-03-22		MCM 1201.01-204	QAL-13	VT-1	CS	10.560		REACTOR VESSEL CLOSURE HEAD WASHER.
		NC	MCM 1201.01-206				1.719		
Class A									
B06.050.023	1RPV-449-03-23		MCM 1201.01-204	QAL-13	VT-1	CS	10.560		REACTOR VESSEL CLOSURE HEAD WASHER.
		NC	MCM 1201.01-206				1.719		
Class A									
B06.050.024	1RPV-449-03-24		MCM 1201.01-204	QAL-13	VT-1	CS	10.560		REACTOR VESSEL CLOSURE HEAD WASHER.
		NC	MCM 1201.01-206				1.719		
Class A									
B06.050.025	1RPV-449-03-25		MCM 1201.01-204	QAL-13	VT-1	CS	10.560		REACTOR VESSEL CLOSURE HEAD WASHER.
		NC	MCM 1201.01-206				1.719		
Class A									
B06.050.026	1RPV-449-03-26		MCM 1201.01-204	QAL-13	VT-1	CS	10.560		REACTOR VESSEL CLOSURE HEAD WASHER.
		NC	MCM 1201.01-206				1.719		
Class A									
B06.050.027	1RPV-449-03-27		MCM 1201.01-204	QAL-13	VT-1	CS	10.560		REACTOR VESSEL CLOSURE HEAD WASHER.
		NC	MCM 1201.01-206				1.719		
Class A									
B06.050.028	1RPV-449-03-28		MCM 1201.01-204	QAL-13	VT-1	CS	10.560		REACTOR VESSEL CLOSURE HEAD WASHER.
		NC	MCM 1201.01-206				1.719		
Class A									
B06.050.029	1RPV-449-03-29		MCM 1201.01-204	QAL-13	VT-1	CS	10.560		REACTOR VESSEL CLOSURE HEAD WASHER.
		NC	MCM 1201.01-206				1.719		
Class A									

CATEGORY B-G-1, Pressure Retaining Bolting, Greater Than 2 in. In Diameter

Reactor Vessel

ITEM NUMBER	ID NUMBER	SYS	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
B06.050.030	1RPV-449-03-30		MCM 1201.01-204	QAL-13	VT-1	CS	10.560		REACTOR VESSEL CLOSURE HEAD WASHER.
		NC	MCM 1201.01-206				1.719		
Class A									
B06.050.031	1RPV-449-03-31		MCM 1201.01-204	QAL-13	VT-1	CS	10.560		REACTOR VESSEL CLOSURE HEAD WASHER.
		NC	MCM 1201.01-206				1.719		
Class A									
B06.050.032	1RPV-449-03-32		MCM 1201.01-204	QAL-13	VT-1	CS	10.560		REACTOR VESSEL CLOSURE HEAD WASHER.
		NC	MCM 1201.01-206				1.719		
Class A									
B06.050.033	1RPV-449-03-33		MCM 1201.01-204	QAL-13	VT-1	CS	10.560		REACTOR VESSEL CLOSURE HEAD WASHER.
		NC	MCM 1201.01-206				1.719		
Class A									
B06.050.034	1RPV-449-03-34		MCM 1201.01-204	QAL-13	VT-1	CS	10.560		REACTOR VESSEL CLOSURE HEAD WASHER.
		NC	MCM 1201.01-206				1.719		
Class A									
B06.050.035	1RPV-449-03-35		MCM 1201.01-204	QAL-13	VT-1	CS	10.560		REACTOR VESSEL CLOSURE HEAD WASHER.
		NC	MCM 1201.01-206				1.719		
Class A									
B06.050.036	1RPV-449-03-36		MCM 1201.01-204	QAL-13	VT-1	CS	10.560		REACTOR VESSEL CLOSURE HEAD WASHER.
		NC	MCM 1201.01-206				1.719		
Class A									

Total B06.050 Items: 24

Total B06 Items: 69

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

Piping

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 Class A	1NC-5-FL1	NC	MCFI-1NC5 MC-ISIN3-1553-02.00	QAL-13	VT-1	CS	1.375 10.000		FLANGE BOLTING (12 STUDS). BOLT SIZE DETERMINED USING CHART IN M/P/0/A/7650/01 ENCLOSURE 13.2. EXAMINE ALL BOLTING MATERIAL. EXAMINE BOLTING IN PLACE
B07.050.002 Class A	1NC-5-FL2	NC	MCFI-1NC5 MC-ISIN3-1553-02.00	QAL-13	VT-1 Flange	CS	1.375 10.000		FLANGE BOLTING (12 STUDS). BOLT SIZE DETERMINED USING CHART IN M/P/0/A/7650/01 ENCLOSURE 13.2. EXAMINE ALL BOLTING MATERIAL. EXAMINE BOLTING IN PLACE

Total B07.050 Items: 2

DUKE ENERGY CORPORATION
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Inservice Inspection Plan for Interval 3 Outage 3

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

Valves

ITEM NUMBER	ID NUMBER	SYS	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
****** Bolts, Studs, and Nuts ******									
B07.070.064F	1NI-181		MCM 1205.00-0005	QAL-13	VT-1	SS	1.375		6" VALVE, MCFI-1NI85. INSPECT ONLY ONE VALVE IN THIS GROUP (64A-64F) PER INTERVAL (ITEM # 4J-008). EXAMINE BOLTING IN PLACE
Class A		NI	MC-ISIN3-1562-03.01				0.000		

Total B07.070 Items:	**1**
Total B07 Items:	**3**

CATEGORY B-K, Welded Attachments For Vessels, Piping, Pumps, And Valves

Pressure Vessels

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
****** Welded Attachments ******									
B10.010.004	1PZR-W13C		MCM 1201.01-170	NDE-25	MT	CS	6.000		WELDED ATTACHMENT. PRESSURIZER SEISMIC LUG TO SHELL. W-X QUADRANT. MT OR PT MAY BE USED DEPENDING ON EXAMINATOR'S NEEDS
		NC	MCM 1201.01-0048	NDE-35			4.000		
Class A			MCM 1201.01-140		Seismic Lug to Shell				
B10.010.005	1PZR-W13D		MCM 1201.01-170	NDE-25	MT	CS	6.000		WELDED ATTACHMENT. PRESSURIZER SEISMIC LUG TO SHELL. W-Z QUADRANT. MT OR PT MAY BE USED DEPENDING ON EXAMINATOR'S NEEDS
		NC	MCM 1201.01-0048	NDE-35			4.000		
Class A			MCM 1201.01-0140		Seismic Lug to Shell				

Total B10.010 Items: 2

Total B10 Items: 2

CATEGORY B-M-2, Valve Body

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Valves

McGuire 1

Inservice Inspection Plan for Interval 3 Outage 3

ITEM NUMBER	ID NUMBER	SYS	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
****** Valve Body, Exceeding NPS 4 ******									
B12.050.003C	1NI-76A		MCM 1205.00-0012	QAL-14	VT-3	SS	10.000		10" CRANE-ALOYCO GATE VALVE (ITEM # 4J-043). INSPECT ONE OF THE FOLLOWING VALVES: 1NI-54A, 1NI-65B, 1NI-76A, OR 1NI-88B ONLY IF DISASSEMBLED FOR MAINTENANCE, REPAIR, OR VOLUMETRIC EXAMINATION.
		NI	MC-ISIN3-1562-02.00				0.000		
Class A			MCFI-1NI87						

Total B12.050 Items: 1

Total B12 Items: 1

CATEGORY C-A, Pressure Retaining Welds In Pressure Vessels

Head Circumferential Welds

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
C01.020.090	1RCPSS-SH-3		MCM 1201.04-272	NDE-3630	UT	SS	12.000	50313	RECIPROCATING CHARGING PUMP SUCTION STABLIZER.
	Circumferential	NV	MC-ISIN3-1554-03.00				0.375		
Class B					Shell to Upper Head				
C01.020.091	1RCPSS-SH-2		MCM 1201.04-272	NDE-3630	UT	SS	12.000	50313	RECIPROCATING CHARGING PUMP SUCTION STABLIZER.
	Circumferential	NV	MC-ISIN3-1554-03.00				0.375		
Class B					Shell to Lower Head				

Total C01.020 Items: 2

Total C01 Items: 2

CATEGORY C-B, Pressure Retaining Nozzle Welds In Vessels

Nozzles in Vessels <= 1/2 in. Nominal Thickness

ITEM NUMBER	ID NUMBER	SYS	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
**** Nozzle-to-Shell (Nozzle to Head or Nozzle to Nozzle) Weld ****									
C02.011.001	1RCPSS-INLET	NV	MCM 1201.04-272 MC-ISIN3-1554-03.00	NDE-35	PT	SS	4.000 0.375		RECIPROCATING CHARGING PUMP SUCTION STABLIZER.
Class B					Inlet Nozzle to Shell				
C02.011.002	1RCPSS-OUTLET	NV	MCM 1201.04-272 MC-ISIN3-1554-03.00	NDE-35	PT	SS	4.000 0.375		RECIPROCATING CHARGING PUMP SUCTION STABLIZER.
Class B					Outlet Nozzle to Shell				

Total C02.011 Items: 2

Total C02 Items: 2

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

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Pressure Vessels

ITEM NUMBER	ID NUMBER	SYS	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
****** Welded Attachments ******									
C03.010.003	1RCPSS-SUPP		MCM 1201.04-272	NDE-35	PT	SS	12.000		RECIPROCATING CHARGING PUMP SUCTION STABLIZER SUPPORT.
		NV	MC-ISIN3-1554-03.00				0.375		
Class B									WELDED ATTACHMENT. EXAMINED OUTAGE 2 /EOC-16 AS ADDITIONAL SAMPLE FOR ITEM NUMBER C03.010.005.

Total C03.010 Items: 1

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

Piping

ITEM NUMBER	ID NUMBER	SYS	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
****** Welded Attachments ******									
C03.020.025	1-MCA-ND-H63		MCSRD-NDA/sht. 6	NDE-35	PT	SS	8.000		WELDED ATTACHMENT. INSPECT WITH
	Rigid Support	ND	MC-ISIN3-1561-01.00				0.203		F01.020.181A.
Class B			1-MCA-ND-H63						
C03.020.027	1-MCA-ND-H335		MCSRD-NIO/sht. 1	NDE-35	PT	SS	18.000		WELDED ATTACHMENT.
	Rigid Restraint	ND	MC-ISIN3-1561-01.00				0.750		
Class B			1-MCA-ND-H335						
C03.020.042	1-MCA-NS-H36		MCSRD-NSA/sht. 1	NDE-35	PT	SS	8.000		WELDED ATTACHMENT. INSPECT WITH
	Rigid Support	NS	MC-ISIN3-1563-01.00				0.125		F01.020.261B.
Class B			1-MCA-NS-H36						
C03.020.072	1-MCA-VQ-H11		MCSRD-VQA/sht. 2	NDE-35	PT	SS	6.000		WELDED ATTACHMENT. INSPECT WITH
	Rigid Support	VQ	MC-ISIN3-1585-01.00				0.125		F01.020.652A.
Class B			1-MCA-VQ-H11						

Total C03.020 Items: 4

Total C03 Items: 5

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

Valves

ITEM NUMBER	ID NUMBER	SYS	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
****** Valve Body Welds ******									
C06.020.002A	1CF-126B-1		MCM 1205.00-989/1	NDE-25	MT	CS	6.000		ITEM # 6J-26. INSPECT ONE VALVE IN THIS GROUP (2A-2D) PER INTERVAL.
		CF	MC-ISIN3-1591-01.01				1.165		
Class B					Valve Body to Valve Body				

Total C06.020 Items:	**1**
Total C06 Items:	**1**

CATEGORY D-A, Welded Attachments For Vessels, Piping, Pumps, And Valves

Pressure Vessels

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

McGuire 1

Inservice Inspection Plan for Interval 3 Outage 3

ITEM NUMBER	ID NUMBER	SYS	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
****** Welded Attachments ******									
D01.010.010	1LDHX-SUPPORT		MCM 1201.06-0021	QAL-13	VT-1	NA	0.000		VERTICAL LETDOWN HEAT EXCHANGER
		NV	MC-ISIN3-1573-02.00				0.375		WELDED ATTACHMENT.
Class C			MC-1220-39						

Total D01.010 Items: 1

CATEGORY D-A, Welded Attachments For Vessels, Piping, Pumps, And Valves

Piping

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

McGuire 1

Inservice Inspection Plan for Interval 3 Outage 3

ITEM NUMBER	ID NUMBER	SYS	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
****** Welded Attachments ******									
D01.020.061	1-MCA-KC-2134		MCSRD-KC-304/sht.1	QAL-13	VT-1	NA	20.000		WELDED ATTACHMENT. INSPECT WITH F01.030.0125B.
	Rigid Restraint	KC	MC-ISIN3-1573-01.01				0.125		
Class C			1-MCA-KC-2134						

Total D01.020 Items:	**1**
Total D01 Items:	**2**

CATEGORY F-A, Supports

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

Class 1 Piping Supports

McGuire 1
Inservice Inspection Plan for Interval 3 Outage 3

ITEM NUMBER	ID NUMBER	SYS	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
**** "A", One-Directional, "B", Multi-Directional, "C", Thermal Movement ****									
F01.010.008A	1-MCR-NC-555		MCSRD-NC-03/sht. 1	QAL-14	VT-3	NA	4.000		
	Rigid Support	NC					0.000		
Class A									
F01.010.053C	1-MCR-ND-507		MCSRD-ND-01/sht. 1	QAL-14	VT-3	NA	14.000		
	Mech Snubber	ND					0.000		
Class A									
F01.010.103B	1-MCR-NI-527		MCSRD-NI-01/sht. 2	QAL-14	VT-3	NA	6.000		
	Rigid Restraint	NI					0.000		
Class A									
F01.010.107A	1-MCR-NI-547		MCSRD-NI-03/sht. 1	QAL-14	VT-3	NA	6.000		
	Rigid Support	NI					0.000		
Class A									
F01.010.151B	1-MCR-NV-814		MCSRD-NV-08/sht. 1	QAL-14	VT-3	NA	2.000		
	Rigid Restraint	NV					0.000		
Class A									
F01.010.152B	1-MCR-NV-848		MCSRD-NV-06/sht. 1	QAL-14	VT-3	NA	2.000		
	Rigid Support	NV					0.000		
Class A									

Total F01.010 Items: 6

CATEGORY F-A, Supports

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

Class 2 Piping Supports

McGuire 1
Inservice Inspection Plan for Interval 3 Outage 3

**** "A", One-Directional, "B", Multi-Directional, "C", Thermal Movement ****

ITEM NUMBER	ID NUMBER	SYS	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
F01.020.001C	1-MCA-CA-H365		MCSRD-CAM/sht. 2	QAL-14	VT-3	NA	6.000		
	Hyd Snubber	CA	MC-ISIN3-1592-01.00				0.000		
Class B									
F01.020.007C	1-MCA-CA-H411		MCSRD-CAN/sht. 1	QAL-14	VT-3	NA	6.000		
	Hyd Snubber	CA	MC-ISIN3-1592-01.00				0.000		
Class B									
F01.020.051C	1-MCA-CF-H152		MCSRD-CFC/sht. 1	QAL-14	VT-3	NA	18.000		
	Hyd Snubber	CF	MC-ISIN3-1591-01.01				0.000		
Class B									
F01.020.101C	1-MCA-FW-H1		MCSRD-FWA/sht. 6	QAL-14	VT-3	NA	14.000		
	Spring Hgr	FW	MC-ISIN3-1571-01.00				0.000		
Class B									
F01.020.151C	1-MCA-ND-H2		MCSRD-NDA/sht. 4	QAL-14	VT-3	NA	8.000		
	Spring Hgr	ND	MC-ISIN3-1561-01.00				0.000		
Class B									
F01.020.152B	1-MCA-ND-H7		MCSRD-NDA/sht. 4	QAL-14	VT-3	NA	8.000		
	Rigid Restraint	ND	MC-ISIN3-1561-01.00				0.000		
Class B									
F01.020.154A	1-MCA-ND-H21		MCSRD-NDA/sht. 2	QAL-14	VT-3	NA	8.000		
	Rigid Support	ND	MC-ISIN3-1561-01.00				0.000		
Class B									
F01.020.181A	1-MCA-ND-H63		MCSRD-NDA/sht. 6	QAL-14	VT-3	NA	8.000		
	Rigid Support	ND	MC-ISIN3-1561-01.00				0.203		
Class B									

CATEGORY F-A, Supports

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

Class 2 Piping Supports

McGuire 1
Inservice Inspection Plan for Interval 3 Outage 3

ITEM NUMBER	ID NUMBER	SYS	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
F01.020.182A	1-MCA-ND-H49		MCSRD-NDA/sht. 7	QAL-14	VT-3	NA	8.000		
	Rigid Support	ND	MC-ISIN3-1561-01.00				0.125		
Class B									
F01.020.183B	1-MCA-ND-H259		MCSRD-FWA/sht. 7	QAL-14	VT-3	NA	14.000		
	Rigid Restraint	ND	MC-ISIN3-1561-01.00				0.000		
Class B									
F01.020.213A	1-MCR-NI-827		MCSRD-NI-08/sht. 1	QAL-14	VT-3	NA	2.000		
	Rigid Support	NI	MC-ISIN3-1562-03.00				0.000		
Class B									
F01.020.222C	1-MCR-NI-717		MCSRD-NI-11/sht. 1	QAL-14	VT-3	NA	2.000		
	Hyd Snubber	NI	MC-ISIN3-1562-03.01				0.000		
Class B									
F01.020.225B	1-MCR-NI-774		MCSRD-NI-09/sht. 3	QAL-14	VT-3	NA	4.000		
	Rigid Restraint	NI	MC-ISIN3-1562-03.00				0.000		
Class B									
F01.020.226B	1-MCR-NI-775		MCSRD-NI-09/sht. 3	QAL-14	VT-3	NA	4.000		
	Rigid Restraint	NI	MC-ISIN3-1562-03.00				0.000		
Class B									
F01.020.260A	1-MCA-NS-H30		MCSRD-NSC/sht. 1	QAL-14	VT-3	NA	10.000		
	Rigid Support	NS	MC-ISIN3-1563-01.00				0.000		
Class B									
F01.020.261B	1-MCA-NS-H36		MCSRD-NSA/sht. 1	QAL-14	VT-3	NA	8.000		
	Rigid Restraint	NS	MC-ISIN3-1563-01.00				0.125		
Class B									
F01.020.262C	1-MCA-NS-H39		MCSRD-NSA/sht. 1	QAL-14	VT-3	NA	8.000		
	Spring Hgr	NS	MC-ISIN3-1563-01.00				0.000		
Class B									

Class 2 Piping Supports

McGuire 1

Inservice Inspection Plan for Interval 3 Outage 3

ITEM NUMBER	ID NUMBER	SYS	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
F01.020.316A	1-MCA-NV-H23		MC-1190-NV-01-03	QAL-14	VT-3	NA	3.000		
	Rigid Support	NV	MC-ISIN3-1554-03.01				0.000		
Class B									
F01.020.317A	1-MCA-NV-H27		MC-1190-NV-01-03	QAL-14	VT-3	NA	3.000		
	Rigid Support	NV	MC-ISIN3-1554-03.01				0.000		
Class B									
F01.020.318B	1-MCA-NV-H29		MC-1190-NV-01-03	QAL-14	VT-3	NA	3.000		
	Rigid Restraint	NV	MC-ISIN3-1554-03.01				0.000		
Class B									
F01.020.319C	MC-1683-NV.04-R27		MC-1683-NV.04	QAL-14	VT-3	NA	2.000		
	Hyd Snubber	NV	MC-ISIN3-1554-03.01				0.000		
Class B									
F01.020.320A	MC-1683-NV.04-R28		MC-1683-NV.04	QAL-14	VT-3	NA	2.000		
	Rigid Support	NV	MC-ISIN3-1554-03.01				0.000		
Class B									
F01.020.554A	1-MCA-SM-H70		MCSRD-SMA/sht. 4	QAL-14	VT-3	NA	36.000		
	Rigid Support	SM	MC-ISIN3-1593-01.03				0.000		
Class B									
F01.020.555C	1-MCA-SM-H73		MCSRD-SMA/sht. 4	QAL-14	VT-3	NA	42.000		
	Hyd Snubber	SM	MC-ISIN3-1593-01.03				0.000		
Class B									
F01.020.601C	1-MCA-SV-H13		MCSRD-SVA/sht. 1	QAL-14	VT-3	NA	6.000		
	Spring Hgr	SV	MC-ISIN3-1593-01.00				0.000		
Class B									
F01.020.652A	1-MCA-VQ-H11		MCSRD-VQA/sht. 2	QAL-14	VT-3	NA	6.000		
	Rigid Support	VQ	MC-ISIN3-1585-01.00				0.125		
Class B									

CATEGORY F-A, Supports

Class 2 Piping Supports

ITEM NUMBER	ID NUMBER	SYS	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
Total F01.020 Items:	26								

CATEGORY F-A, Supports

Class 3 Piping Supports

McGuire 1

Inservice Inspection Plan for Interval 3 Outage 3

**** "A", One-Directional, "B", Multi-Directional, "C", Thermal Movement ****

ITEM NUMBER	ID NUMBER	SYS	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
F01.030.112A	1-MCA-KC-1089		MCSRD-KC-303/sht.2	QAL-14	VT-3	NA	6.000		
	Rigid Support	KC	MC-ISIN3-1573-01.01				0.000		
Class C									
F01.030.114A	1-MCA-KC-1006		MCSRD-KC-305/sht.2	QAL-14	VT-3	NA	16.000		
	Rigid Support	KC	MC-ISIN3-1573-01-00				0.000		
Class C									
F01.030.115A	1-MCA-KC-2297		MCSRD-KC-305/sht.3	QAL-14	VT-3	NA	8.000		
	Rigid Support	KC	MC-ISIN3-1573-02-00				0.000		
Class C									
F01.030.116A	1-MCA-KC-H100		MCSRD-KC-305/sht.3	QAL-14	VT-3	NA	8.000		
	Rigid Support	KC	MC-ISIN3-1573-02-00				0.000		
Class C									
F01.030.125B	1-MCA-KC-2134		MCSRD-KC-304/sht.1	QAL-14	VT-3	NA	20.000		INSPECT WITH D01.020.061.
	Rigid Restraint	KC	MC-ISIN3-1573-01.01				0.125		
Class C									
F01.030.128B	1-MCA-KC-1034		MCSRD-KC-311/sht.2	QAL-14	VT-3	NA	6.000		
	Rigid Restraint	KC	MC-ISIN3-1573-02.02				0.000		
Class C									
F01.030.129B	1-MCA-KC-1027		MCSRD-KC-311/sht.3	QAL-14	VT-3	NA	6.000		
	Rigid Restraint	KC	MC-ISIN3-1573-02.02				0.000		
Class C									
F01.030.152C	1-MCA-KD-083		MCSRD-KD-10/sht.2	QAL-14	VT-3	NA	6.000		
	Hyd Snubber	KD	MC-ISIN3-1609-01.01				0.000		
Class C									

CATEGORY F-A, Supports

Class 3 Piping Supports

McGuire 1

Inservice Inspection Plan for Interval 3 Outage 3

ITEM NUMBER	ID NUMBER	SYS	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
F01.030.153C	1-MCA-KD-165		MCSRD-KD-12/sht.1	QAL-14	VT-3	NA	6.000		
	Spring Hgr	KD	MC-ISIN3-1609-01.01				0.000		
Class C									
F01.030.271A	1-MCA-WN-H29		MCSRD-WNB/sht.1	QAL-14	VT-3	NA	8.000		
	Rigid Support	WN	MC-ISIN3-1609-07.00				0.000		
Class C									
F01.030.272B	1-MCA-WN-H64		MCSRD-WNB/sht.3	QAL-14	VT-3	NA	6.000		
	Rigid Restraint	WN	MC-ISIN3-1609-07.00				0.000		
Class C									

Total F01.030 Items: 11

CATEGORY F-A, Supports

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

Supports Other Than Piping Supports

McGuire 1
Inservice Inspection Plan for Interval 3 Outage 3

ITEM NUMBER	ID NUMBER	SYS	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
****** Class 1, 2, and 3 ******									
F01.040.001B	1PZR-SKIRT		MCM 1201.01-0048	QAL-14	VT-3	NA	0.000		PRESSURIZER SUPPORT SKIRT.
		NC	MC-ISIN3-1553-02.00				0.000		
Class A									
F01.040.002B	1PZR-LUGS		MCM 1201.01-0170	QAL-14	VT-3	NA	0.000		PRESSURIZER SUPPORT LUGS.
		NC	MC-ISIN3-1553-02.00				0.000		
Class A									
F01.040.003B	1PZR-SUPPORT		MC-1070-4	QAL-14	VT-3	NA	0.000		PRESSURIZER LOWER AND UPPER SUPPORT FRAME. REFERENCE DRAWING MC-1070-6.
		NC	MC-ISIN3-2553-02.00				0.000		
Class A			MC-1070-22						
F01.040.006B	1RCP-B-SUPPORT		MC-1070-4	QAL-14	VT-3	NA	0.000		REACTOR COOLANT PUMP 1B SUPPORT (3 ASSEMBLIES).
		NC	MC-ISIN3-1553-01.00				0.000		
Class A			MC-1070-17						
F01.040.010B	1RCPSS-SUPPORT		MCM 1201.04-0272	QAL-14	VT-3	NA	0.000		RECIPROCATING CHARGING PUMP SUCTION STABILIZER SUPPORT.
		NV	MC-ISIN3-1554-03.00				0.375		
Class B									

Total F01.040 Items: 5

Total F01 Items: 48

Augmented Examination

McGuire 1

Inservice Inspection Plan for Interval 3 Outage 3

ITEM NUMBER	ID NUMBER	SYS	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
**** Pipe Rupture Protection ****									
G03.001.004	1NC1F-109		MCFI-1NC-47	NDE-600	UT	SS	10.000	*	AUGMENTED EXAMINATION.
	Circumferential	NC	MC-ISIN3-1553-01.00	PDI-UT-2			1.000		REFERENCE DOCUMENT SRG-78-001 REV.2
Class A									(DISTRIBUTION CODE MADM-257). *SEE SECTION 8 FOR CALIBRATION BLOCK REQUIREMENTS.
G03.001.004A	1NC1F-109		MCFI-1NC-47	NDE-35	PT	SS	10.000		AUGMENTED EXAMINATION.
	Circumferential	NC	MC-ISIN3-1553-01.00				1.000		REFERENCE DOCUMENT SRG-78-001 REV.2
Class A									(DISTRIBUTION CODE MADM-257).
G03.001.005	1NC-102-1		MCFI-1NC-47	NDE-600	UT	SS	10.000	*	AUGMENTED EXAMINATION.
	Circumferential	NC	MC-ISIN3-1553-01.00	PDI-UT-2			1.000		REFERENCE DOCUMENT SRG-78-001 REV.2
Class A									(DISTRIBUTION CODE MADM-257). *SEE SECTION 8 FOR CALIBRATION BLOCK REQUIREMENTS.
G03.001.005A	1NC-102-1		MCFI-1NC-47	NDE-35	PT	SS	10.000		AUGMENTED EXAMINATION.
	Circumferential	NC	MC-ISIN3-1553-01.00				1.000		REFERENCE DOCUMENT SRG-78-001 REV.2
Class A									(DISTRIBUTION CODE MADM-257).
G03.001.006	1NC-102-2		MCFI-1NC-47	NDE-600	UT	SS	10.000	*	AUGMENTED EXAMINATION.
	Circumferential	NC	MC-ISIN3-1553-01.00	PDI-UT-2			1.000		REFERENCE DOCUMENT SRG-78-001 REV.2
Class A									(DISTRIBUTION CODE MADM-257). *SEE SECTION 8 FOR CALIBRATION BLOCK REQUIREMENTS.
G03.001.006A	1NC-102-2		MCFI-1NC-47	NDE-35	PT	SS	10.000		AUGMENTED EXAMINATION.
	Circumferential	NC	MC-ISIN3-1553-01.00				1.000		REFERENCE DOCUMENT SRG-78-001 REV.2
Class A									(DISTRIBUTION CODE MADM-257).
G03.001.007	1NC-128-1		MCFI-1NC-47	NDE-600	UT	SS	10.000	*	AUGMENTED EXAMINATION.
	Circumferential	NC	MC-ISIN3-1553-01.00	PDI-UT-2			1.000		REFERENCE DOCUMENT SRG-78-001 REV.2
Class A									(DISTRIBUTION CODE MADM-257). *SEE SECTION 8 FOR CALIBRATION BLOCK REQUIREMENTS.

CATEGORY AUG, Augmented Inspections

Augmented Examination

McGuire 1

Inservice Inspection Plan for Interval 3 Outage 3

ITEM NUMBER	ID NUMBER	SYS	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
G03.001.007A	1NC-128-1		MCFI-1NC-47	NDE-35	PT	SS	10.000		AUGMENTED EXAMINATION.
	Circumferential	NC	MC-ISIN3-1553-01.00				1.000		REFERENCE DOCUMENT SRG-78-001 REV.2
Class A									(DISTRIBUTION CODE MADM-257).
G03.001.008	1NC-128-2		MCFI-1NC-47	NDE-600	UT	SS	10.000	*	AUGMENTED EXAMINATION.
	Circumferential	NC	MC-ISIN3-1553-01.00	PDI-UT-2			1.000		REFERENCE DOCUMENT SRG-78-001 REV.2
Class A									(DISTRIBUTION CODE MADM-257). *SEE SECTION 8 FOR CALIBRATION BLOCK REQUIREMENTS.
G03.001.008A	1NC-128-2		MCFI-1NC-47	NDE-35	PT	SS	10.000		AUGMENTED EXAMINATION
	Circumferential	NC	MC-ISIN3-1553-01.00				1.000		REFERENCE DOCUMENT SRG-78-001 REV.2
Class A									(DISTRIBUTION CODE MADM-257)

Total G03.001 Items:	**10**
Total G03 Items:	**10**

CATEGORY R-A, Risk Informed Piping Examinations

Class 1 and 2 Piping Welds

McGuire 1

Inservice Inspection Plan for Interval 3 Outage 3

ITEM NUMBER	ID NUMBER	SYS	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
**** Elements Subject to Thermal Fatigue ****									
R01.011.081	1NI32A-2		MCFI-1NI21	NDE-600	UT	SS	18.000	*	SEGMENT NI-060.
	Circumferential	NI	MC-ISIN3-1562-03.01	PDI-UT-2			0.250		*SEE SECTION 8 FOR CALIBRATION BLOCK REQUIREMENTS.
Class B					Elbow to Elbow				
R01.011.083	1NI267-2		MCFI-1NI75	NDE-600	UT	SS	3.000	*	SEGMENT NI-062A.
	Circumferential	NI	MC-ISIN3-1562-01.00	PDI-UT-2			0.438		*SEE SECTION 8 FOR CALIBRATION BLOCK REQUIREMENTS.
Class B					Reducer to Pipe				
R01.011.084	1NI227-6		MCFI-1NI74	NDE-600	UT	SS	3.000	*	SEGMENT NI-063A.
	Circumferential	NI	MC-ISIN3-1562-01.00	PDI-UT-2			0.438		*SEE SECTION 8 FOR CALIBRATION BLOCK REQUIREMENTS.
Class B					Reducer to Tee				
R01.011.140	1NV15-2		MCFI-1NV8	NDE-600	UT	SS	4.000	*	SEGMENT NV-011A.
	Circumferential	NV	MC-ISIN3-1554-03.01	PDI-UT-2			0.531		*SEE SECTION 8 FOR CALIBRATION BLOCK REQUIREMENTS.
Class B					Tee to Pipe				
R01.011.153	1NV1F2112		MCFI-1NV63	NDE-600	UT	SS	2.000	*	SEGMENT NV-020AG.
	Circumferential	NV	MC-ISIN3-1554-01.00	PDI-UT-2			0.344		*SEE SECTION 8 FOR CALIBRATION BLOCK REQUIREMENTS.
Class B					Pipe to Reducer				
R01.011.154	1NV1F331		MCFI-1NV5	NDE-600	UT	SS	2.000	*	SEGMENT NV-020IA.
	Circumferential	NV	MC-ISIN3-1554-01.00	PDI-UT-2			0.344		*SEE SECTION 8 FOR CALIBRATION BLOCK REQUIREMENTS.
Class B					Pipe to Reducer				
R01.011.155	1NV3-3		MCFI-1NV185	NDE-600	UT	SS	3.000	*	SEGMENT NV-065.
	Circumferential	NV	MC-ISIN3-1554-03.00	PDI-UT-2			0.438		*SEE SECTION 8 FOR CALIBRATION BLOCK REQUIREMENTS.
Class B					Elbow to Pipe				
R01.011.156	1NV1F6223		MCFI-1NV145	NDE-600	UT	SS	2.000	*	SEGMENT NV-077B.
	Circumferential	NV	MC-ISIN3-1554-01.02	PDI-UT-2			0.344		*SEE SECTION 8 FOR CALIBRATION BLOCK REQUIREMENTS.
Class B					Reducer to Pipe				

CATEGORY R-A, Risk Informed Piping Examinations

Class 1 and 2 Piping Welds

ITEM NUMBER	ID NUMBER	SYS	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
R01.011.157	1NV1FW53-51		MCFI-1NV53	NDE-600	UT	SS	3.000	*	SEGMENT NV-080A.
	Circumferential	NV	MC-ISIN3-1554-01.02	PDI-UT-2			0.438		*SEE SECTION 8 FOR CALIBRATION BLOCK REQUIREMENTS.
Class B					Pipe to Tee				
R01.011.204	1RV1F107		MCFI-1RV31	NDE-600	UT	CS	12.000	*	SEGMENT RV-013.
	Circumferential	RV	MC-ISIN3-1604.03-00	PDI-UT-2			0.375		*SEE SECTION 8 FOR CALIBRATION BLOCK REQUIREMENTS.
Class B					Pipe to Pipe				

Total R01.011 Items: 10

****** Elements Subject to Corrosive, Erosive, or Cavitation Wastage ******

R01.013.002	1RV1F104A		MCFI-1RV31	NDE-946	UT	CS	12.000	STEP	SEGMENT RV-002.
	Circumferential	RV	MC-ISIN3-1604-03.00				0.375	WEDGE	EXAMINE A 1 FT. LENGTH OF PIPE AT WELD TO DETERMINE WALL THICK. EXAMINE 6 INCHES EACH SIDE OF WELD, MARK IN 1 INCH GRID
Class B					Pipe to Valve				

Total R01.013 Items: 1

Total R01 Items: 11

4.0 *Results of Inspections Performed*

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

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

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

4.1 *Reportable Indications*

There was one reportable indication for the examinations associated with this report period. Item Number B02.011.001 reference Corrective Action Program PIP M-05-4894 and Westinghouse Flaw evaluation For McGuire Unit 1 Pressurizer Lower Head to Shell Weld (December 2005).

4.2 *Corrective Action*

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

Item Number B02.011.001 had a reportable condition, which the ASME Section XI Code required two additional examination. For additional information covering this examination item, reference PIP M-05-4894 and the Westinghouse Flaw evaluation For McGuire Unit 1 Pressurizer Lower Head to Shell Weld, (December 2005).

4.3 *Corrective Measures*

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

4.4 *Limited Examinations*

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

Item Number	*Description of Limitation*
R01.011.157	58.3%

Westinghouse

Westinghouse Electric Company
Nuclear Services
P.O. Box 355
Pittsburgh, Pennsylvania 15230-0355
USA

Mr. Mike Langel
Duke Energy Corporation
McGuire Nuclear Station
12700 Hagers Ferry Road
Huntersville, NC 28078-8985

Direct tel: 412-374-5651
Direct fax: 412-374-3451
e-mail: beddindc@westinghouse.com
Westinghouse S.O.: 36762
Customer P.O.: DS1574
Task Work Auth. #:
Our ref: DPC-05-74

December 1, 2005

DUKE POWER COMPANY
MCGUIRE UNIT 1 NUCLEAR PLANT
Final Evaluation of Indications in Pressurizer Lower Head to Shell Weld

Dear Mr. Langel:

Westinghouse was asked to evaluate five circumferential indications located on the lower head to shell weld region of the McGuire Unit 1 pressurizer. The indications were found by UT examinations performed in this region.

Attached is the final letter report documenting the acceptability of the indications. All of Duke Energy's comments have been addressed in this report.

1. LTR-PAFM-05-76, **"Flaw Evaluation for McGuire Unit 1 Pressurizer Lower Head to Shell Weld,"** December 2005.

If there are any questions concerning this evaluation, please contact Mr. Chris Ng at 724-722-6030 or me at 412-374-5651.

Sincerely,

WESTINGHOUSE ELECTRIC COMPANY LLC

Joe Hamburo for

Daniel Beddingfield
Customer Project Manager

Attachment

cc:	Allen Smith	Duke Charlotte – Mail Code EC05P
	Pete Harden	Westinghouse Charlotte
	Scott Brown	McGuire
	Warren Bamford	Westinghouse
	Chris Ng	Westinghouse
	Mel Arey	Duke Charlotte

Westinghouse Proprietary Class 2

LTR-PAFM-05-76

Flaw Evaluation For McGuire Unit 1 Pressurizer Lower Head to Shell Weld

December 2005

C. K. Ng
W. H. Bamford

Verified by: _____

S. Jirawongkraisorn
Piping Analysis and Fracture Mechanics

Approved by: _____

S. Swamy
Manager, Piping Analysis and Fracture Mechanics

1.0 INTRODUCTION

During Fall 2005 outage, inspection of McGuire Unit 1 pressurizer revealed five subsurface circumferential indications in the region of the lower head to shell weld. Flaw evaluations to determine the acceptability of the detected indications have been performed using the ASME Code Section XI IWB-3600 flaw evaluation procedures and acceptance criteria. The objective of this letter report is to document the technical basis and results of the flaw evaluations performed.

2.0 CODE ACCEPTANCE CRITERIA

There are two alternate sets of flaw acceptance criteria for continued service without repair in paragraph IWB-3600 of ASME Code Section XI [1]:

1. Acceptance Criteria Based on Flaw Size (IWB-3611)
2. Acceptance Criteria Based on Stress Intensity Factor (IWB-3612)

For the flaw evaluation, analyses were performed using both acceptance criteria. To illustrate, one evaluation was performed using the flaw size acceptance criteria discussed in Section 2.1, in order to determine the limiting allowable flaw size for all the design transients. The allowable flaw size for Criteria (1) is based on the limiting flaw size determined for the normal/upset and emergency/faulted condition transients since the margins of safety are different for these two sets of operating conditions. Then a second evaluation was performed using the criteria based on stress intensity factor discussed in Section 2.2, to find the limiting allowable flaw size for all the design transients. The limiting allowable flaw size for Criteria (2) is determined similar to that for Criteria (1). Once the limiting allowable flaw sizes for both Criteria (1) and (2) have been determined, the flaw sizes were then compared, and the more beneficial criterion (allowing the largest flaw) was chosen to be the end-of-evaluation period allowable flaw size.

2.1 Criteria Based on Flaw Size

The code acceptance criteria are stated in Paragraph IWB-3611 of Section XI:

$a_f < 0.1\ a_c$ For normal conditions (upset & test conditions inclusive)

and $a_f < 0.5\ a_i$ For faulted conditions (emergency condition inclusive)

where

a_f = The maximum size to which the detected flaw is calculated to grow at the end of the next specified period, as applicable.

a_c = The minimum critical flaw size under normal operating conditions (upset and test conditions inclusive)

a_i = The minimum critical flaw size for initiation of non-arresting growth under postulated faulted conditions (emergency conditions inclusive)

To determine whether an indication is acceptable for continued service without repair, both criteria must be met.

2.2 Criteria Based on Stress Intensity Factor

The term stress intensity factor (K_I) is defined as the driving force on a crack. It is a function of the size of the crack and the applied stresses, as well as the overall geometry of the structure. In contrast, the fracture toughness (K_{Ia}, K_{Ic}) is a measure of the resistance of the material to propagation of a crack. It is a material property, and a function of temperature.

The criteria with respect to K_I used in the evaluation are from IWB-3612 of Section XI. The criteria are:

$$K_I < \frac{K_{Ia}}{\sqrt{10}}$$ For normal conditions (upset & test conditions inclusive)

$$K_I < \frac{K_{Ic}}{\sqrt{2}}$$ For faulted conditions (emergency conditions inclusive)

where

K_I = The maximum applied stress intensity factor for the flaw size a_f to which a detected flaw will grow, during the conditions under consideration, to the next specified period.

K_{Ia} = Fracture toughness based on crack arrest for the corresponding crack tip temperature.

K_{Ic} = Fracture toughness based on fracture initiation for the corresponding crack tip temperature.

To determine whether a surface flaw is acceptable for continued service without repair, both criteria must be met.

3.0 DESIGN TRANSIENTS

The design transients for the McGuire Unit 1 pressurizer are listed in Table 3-1[2]. In addition, the transients evaluated in the WOG program pertaining to Modified Operating Procedures (MOP) heatup/cooldown transients [3, 4] that are applicable to McGuire Unit 1 were also considered. These MOP heatup/cooldown transients were listed in Table 5-8 of Reference [3]. It was demonstrated in Reference [5] that the McGuire Unit 1 pressurizer transients are bounded by those used in References [3, 4].

Both the minimum critical flaw sizes (a_c, under normal operating conditions, or a_i under faulted conditions) and the stress intensity factor, K_I, are functions of the stresses at the cross-section where the flaw of interest is detected, along with the material properties. Therefore, the first step

for the evaluation of an as-found indication is to determine the appropriate limiting thermal transients for the location of interest. The selection of the most limiting transient was determined by reviewing the through-wall transient stress of all the applicable transients. The transient with the highest stress in the area of the flaw was chosen as the worst case. The most limiting transients are the set of hypothetical out-of-limit transients listed in Table 4-2 of Reference [4].

Table 3-1 Summary of McGuire Unit 1 Pressurizer Transients

Number	Transient Identification	Number of Occurrences
	Normal Condition	
1	Heatup	200
2	Cooldown	200
3	Unit Loading/Unit Unloading	13200
4	Step Load Increase/Step Load Decrease	2000
5	Large Step Load Decrease with Steam Dump	200
6	Steady State Fluctuations -A	1.5×10^5
7	Steady State Fluctuations -B	3.0×10^6
8	Feedwater Cycling	2000
9	Normal Loop Shutdown	80
10	Normal Loop Startup	70
11	Boron Concentration Equalization	26400
	Upset Condition	
12	Loss of Load	80
13	Loss of Power	40
14	Partial Loss of Flow	80
15	Reactor Trip from Full Power – No Cooldown	230
16	Reactor Trip from Full Power – Cooldown, no SI	160
17	Reactor Trip from Full Power – Cooldown, with SI	10
18	Inadvertent RCS Depressuization	20
19	Inadvertent Auxiliary Spray	10
20	Inadvertent Startup of an Inactive Loop	10
21	Control Rod Drop	80
22	Inadvertent S.I. Actuation	60
23	Excessive Feedwater Flow	30
	Emergency Condition	

Table 3-1 Summary of McGuire Unit 1 Pressurizer Transients		
24	Small Loss of Coolant Accident	5
25	Small Steam Break	5
26	Complete Loss of Flow	5
Faulted Condition		
27	Reactor Coolant Pipe Break	1
28	Large Steam Line Break	1
29	Feedwater Line Break	1
30	Reactor Coolant Pump Locked Rotor	1
31	Control Rod Ejection	1
Test Condition		
32	Turbine Roll Test	20
33	Primary Side Hydro Test	10
34	Secondary Side Hydro Test	10
35	Primary Side Leak Test	200
36	Secondary Side Leak Test	80
37	Tube Leakage Test	800

4.0 CRITICAL FLAW SIZE CALCULATION

4.1 Introduction

The key parameters used in the evaluation of any indication discovered during inservice inspection include two critical flaw depths. The first of these is critical flaw depth a_c calculated using stresses from the governing normal, upset and test conditions. The second one is the critical flaw depth a_i calculated based on the stresses from the governing emergency and faulted conditions.

4.2 Stress Intensity Factor Calculations

Another key element of the critical flaw size calculations is the determination of the driving force or stress intensity factor (K_I). The stress intensity factor calculation for an embedded flaw was taken from the work by Shah and Kobayashi [6] which is applicable to an embedded flaw in a semi-infinite medium, subjected to an arbitrary stress profile. This expression below has been shown to be applicable to embedded flaws in a thick-walled pressure vessel in a paper by Lee and Bamford [7].

$$K_I = \frac{M_o}{I}\left[\frac{\pi b}{a}\right]^{0.5}\left(b^2\cos^2\theta + a^2\sin^2\theta\right)^{0.25}\left[\frac{c}{E(k)} - \frac{k^2 b\sin\theta}{(1+k^2)E(k) - k^2K(k)}\right]$$

where:

M_o	=	Applied bending moment
I	=	Moment of inertia
b	=	Semi-minor axis of the ellipse
a	=	Semi-major axis of the ellipse
θ	=	Angle in the parametric equations of the ellipse
c	=	Distance from centerline of the wall to centerline of the flaw
E(k)	=	Complete elliptic integral of the second kind
K(k)	=	Complete elliptic integral of the first kind
k, k'	=	Modulus and complimentary modulus of Jacobian elliptic functions respectively

4.3 Fracture Toughness

The other key element in the determination of critical flaw sizes is the fracture toughness of the material. The fracture toughness has been taken directly from the reference curves of Appendix A, Section XI. In the transition temperature region, these curves can be represented by the following equations:

$$K_{Ic} = 33.2 + 2.806 \exp. [0.02 (T\text{-}RT_{NDT} + 100°F)]$$

$$K_{Ia} = 26.8 + 1.233 \exp. [0.0145 (T\text{-}RT_{NDT} + 160°F)]$$

where K_{Ic} and K_{Ia} are in ksi$\sqrt{in}$.

The only other information needed for the determination of the toughness is the value of RT_{NDT}, which was determined from the material test certificates [8, 9, 10] for the McGuire Unit 1 pressurizer, as shown in Table 4-1 below. The determination used the estimation process of NUREG 0800, the NRC standard review plan, and specifically branch technical position MTEB 5-2, to estimate RT_{NDT} from three Charpy tests at a specific temperature.

Table 4-1
RT_{NDT} for McGuire Unit1 Pressurizer Material

Location	Heat No.	Charpy Results (ft-lb)	RT_{NDT} (°F)
Lower Shell	B4979	44, 56, 50 (long.)	30°F
Bottom head	C0487	62, 50, 50 (long.)	10°F
Weld	WFQ121	94, 94, 87	10°F

5.0 FATIGUE CRACK GROWTH

In applying the ASME Code acceptance criteria as introduced in Section 2.0, the final flaw size (a_f) is defined as the maximum flaw size to which the detected flaw is calculated to grow at the end of a specified period, or until the next inspection time. To determine the fatigue crack growth (FCG) for each indication of interest, the normal and upset thermal transients and pressure loadings must be considered. The methods used in the crack growth analysis are the same as those suggested by Section XI of the ASME Code. The analysis procedure involves postulating an initial flaw at the affected region and predicting the growth of that flaw due to an imposed series of loading transients.

5.1 Analysis Methodology

The input required for a fatigue crack growth analysis is basically the information necessary to calculate the parameter ΔK_I (range of stress intensity factor), which depends on the geometry of the crack, its surrounding structure and the range of applied stresses in the crack area. Once ΔK_I is calculated, the growth due to a particular stress cycle can be calculated based on the ferritic steel reference crack growth curve for the air environment from Appendix A of ASME Code Section XI. This incremental growth is then added to the original crack size, and the analysis proceeds to the next cycle or transient. The procedure is continued in this manner until all of the analytical transients known to occur in the 10 years of operation have been analyzed.

The design thermal transients considered in the analysis were taken from the original design transient specification, and combined with those developed in the WOG program pertaining to the mitigation and evaluation of Pressurizer Insurge/Outsurge Transients [3, 4]. It was demonstrated in Reference [5] that the McGuire Unit 1 pressurizer transients are bounded by those used in References [3, 4]. These transients were distributed equally over the plant design life.

5.2 Crack Growth Rate Reference Curves

The crack growth rate curves used in the analyses were taken directly from Appendix A of Section XI of the ASME Code. Air environment curve was used for the subsurface flaws which are not exposed to the primary water environment. The crack growth rate reference curve for air environment is a function of applied stress intensity factor range (ΔK_I) and stress ratio (R). This reference curve is also shown in Figure 5-1.

$$\frac{da}{dN} = \left(1.99\text{x}10^{-10}\right) 25.72\,(2.88 - R)^{-3.07}\,\Delta K_I^{3.07}$$

where

$\frac{da}{dN}$	=	Crack growth rate, micro-inches/cycle
R	=	K_{min}/K_{max} $(0 \le R < 1)$
ΔK_I	=	stress intensity factor range, ksi$\sqrt{in}$
	=	$K_{max} - K_{min}$

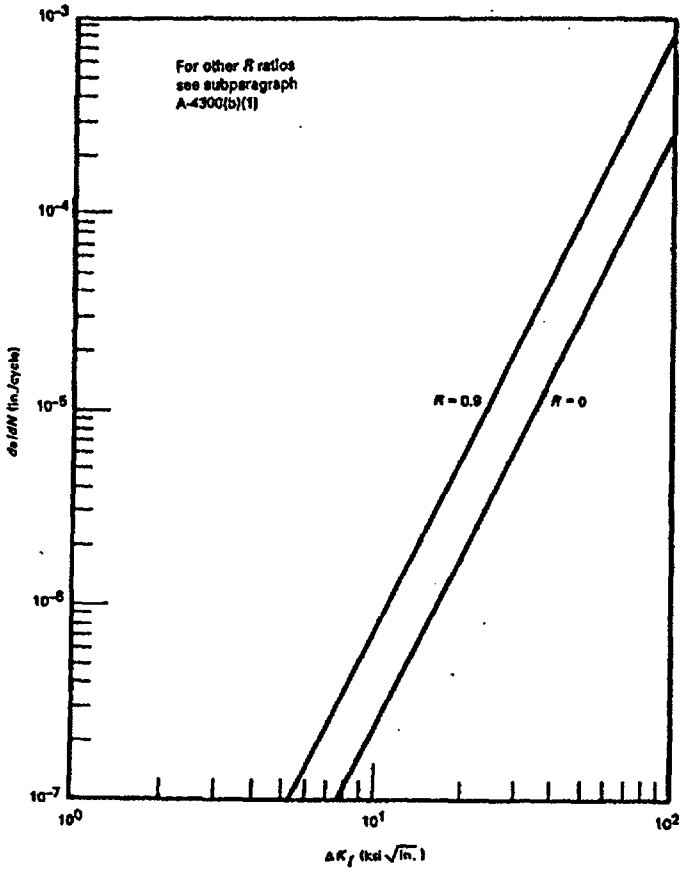

FIG. A-4300-1 REFERENCE FATIGUE CRACK GROWTH CURVES FOR CARBON AND LOW ALLOY FERRITIC STEELS EXPOSED TO AIR ENVIRONMENTS (SUBSURFACE FLAWS)

Figure 5-1

Reference Fatigue Crack Growth Curves for Carbon and Low Alloy Ferritic Steels in Air Environment

6.0 FLAW EVALUATION

The evaluation procedures contained in ASME Section XI are clearly specified in paragraph IWB-3600. Once an indication is discovered, it must be characterized as to its location, length (ℓ) and depth dimension (2a for embedded flaws), including its distance from the nearest surface (S) for embedded indications. This characterization is discussed in further detail in Article IWA-3000 of Section XI.

6.1 Evaluation of Detected Indications

The following parameters were calculated for each of the five subsurface (embedded) indications detected [11] and shown in Table 6-1:

Flaw Depth Parameter, a/t

Surface Proximity Parameter, δ/t

where:

t = wall thickness of region where indication is located
ℓ = length of indication
a = half depth of embedded flaw in the width direction
δ = distance from flaw centerline to surface, (δ = S + a)
S = smallest distance from edge of embedded flaw to surface

Table 6-1
Flaw Parameters for Detected Indications

Indication No.	S (in)	ℓ (in)	a (in)	t (in)	δ (in)	δ/t	a/t
1	0.480	2.30	0.125	3.8	0.605	0.159	0.033
2	0.400	1.75	0.150	3.8	0.550	0.145	0.039
7	0.600	10.20	0.300	3.9	0.900	0.231	0.077
10	0.830	3.30	0.285	3.9	1.115	0.286	0.073
11	0.630	6.00	0.135	3.9	0.765	0.196	0.035

The above flaw parameters were then used to determine the critical flaw depth as discussed in Section 4.0 and based on the acceptance criteria discussed in Section 2.0. The resulting allowable flaw depth (a/t) at the end-of-evaluation period is shown in Table 6-2.

Table 6-2
End-of –Evaluation Period Allowable Flaw Depth

Indication No.	1	2	7	10	11
Allowable a/t	0.056	0.053	0.084	0.121	0.068

In order to determine the acceptability of the detected flaw for an operation period of 10 years, the flaw parameters of the detected indications shown in Table 6-1 are used in postulating the initial flaws in the fatigue crack growth calculations for an operation period of 10 years. The resulting flaw size at the end of the 10 years operational period is then compared with the allowable flaw size determined using the methodology discussed in Section 4.0. The results of the comparison are shown in Table 6-3 below and that all the detected indications at the end of a 10 year operational period are below the maximum acceptance flaw sizes per ASME Code Section XI IWB-3600 flaw evaluation procedures and acceptance criteria. It should be noted that the results presented in Table 6-3 are conservative and the inherent conservatism in the flaw evaluation is discussed in Section 6.2.

Table 6-3
Flaw Evaluation Results of Detected Indications

Indication No.	1	2	7	10	11
Initial a/t	0.033	0.039	0.077	0.073	0.035
Final a/t in 10 years	0.033	0.040	0.079	0.076	0.035
	<	<	<	<	<
Allowable a/t	0.056	0.053	0.084	0.121	0.068

6.2 Conservatism in the Flaw Evaluation

Conservative pressurizer insurge/outsurge transients were used in the fatigue crack growth calculation. The severity of these insurge/outsurge transient depends primarily on the temperature difference (ΔT) between the pressurizer and the hot leg. Based on Table 5-8 in Reference [3], the range of insurge/outsurge transients varies from 350°F to 280°F. Two transients, one with a ΔT values of 303°F and another one with a ΔT values of 350°F, were used to conservatively bound the range of insurge/outsurge transients in Table 5-8 of Reference [3]. The transient with a ΔT value of 303°F was used to envelop those transients with ΔT values 303°F or below. Similarly, the transient with a ΔT value of 350°F was used conservatively to envelop those with ΔT values above 303°F.

The number of pressurizer insurge/outsurge transient design cycles used in the fatigue crack growth calculation is conservative. The analysis performed under the WOG program [3, 4] was based on a total of 1438 insurge/outsurge transient design cycles that are associated with the heatup and cooldown events for the full design life of a power plant, as did the evaluation performed herein. The number of such insurge/outsurge transient design cycles predicted for McGuire Unit 1 based on the actual plant operating history was only 607, and thus result in a factor of more than two on the actual design cycles.

The temperature used in the fracture toughness prediction is conservative. The minimum fluid temperature during a worst case insurge transient was 100°F and 120°F was conservatively used in the evaluation, even though the temperatures at the locations of all the detected indications were at least 100°F higher than the minimum fluid temperature when the peak transient stress occurred, thus, leading to conservatively low fracture toughness predictions.

The use of the lower bound crack arrest toughness value, K_{Ia}, in the determination of allowable flaw size for the normal and upset conditions is conservative. The 2005 addendum of the ASME Code has already revised the criteria to allow the use of the static fracture toughness, K_{Ic}, which would result in significantly larger allowable flaw depths.

7.0 SUMMARY AND CONCLUSION

A flaw evaluation on the acceptability of the five detected circumferential subsurface indications in the lower head to shell weld region of McGuire Unit 1 pressurizer has been performed. Using the thermal transients from the original design specification, in addition to those from the WOG program pertaining to the mitigation and evaluation of Pressurizer insurge/outsurge transients, it can be demonstrated that all the detected indications are acceptable for an operation period of 10 years without repair.

8.0 REFERENCES

1. ASME Code Section XI, "Rules for Inservice Inspection of Nuclear Power Plant Components," 1989 Edition.

2. Westinghouse Design Specification 679046 Revision 4. (Westinghouse Proprietary Document)

3. WCAP-14950 Rev. 0, "Mitigation and Evaluation of Pressurizer Insurge/Outsurge Transients, February 1998. (Westinghouse Proprietary Document)

4. WCAP-14717 Rev. 1, "Westinghouse Owners Group Evaluation of the Effects of Insurge/Outsurge Out-of-Limit Transients on the Integrity of the Pressurizer Program MUHP-5063 Summary Report" August 1998. (Westinghouse Proprietary Document)

5. McGuire Nuclear Station, Units 1 & 2, MCC-1201.01-00-0043, Rev 0, Pressurizer Lower Head and Nozzle Qualification.

6. Shah, R. C. and Kobayashi, A. J., "Stress Intensity Factor for an Elliptical Crack Under Arbitrary Loading," Engineering Fracture Mechanics, Vol. 3, 1981, pp. 71-96.

7. Lee, Y. S. and Bamford, W. H., "Stress Intensity Factor Solutions for a Longitudinal Buried Elliptical Flaw in a Cylinder Under Arbitrary Loads," presented at ASME Pressure Vessel and Piping Conference, Portland Oregon, June 1983. Paper 83-PVP-92.

8. Lukens Steel Company Test Certificate for Heat No. C0487, Order No. 63706-1, dated 6/20/72. (Westinghouse Proprietary Document)

9. Lukens Steel Company Test Certificate for Heat No. B4979, Order No. 16703-1, dated 9/30/72. (Westinghouse Proprietary Document)

10. Metallurgical Laboratory Lab No. M-1889, Sample WFQ-121, Westinghouse Electric Co., Tampa Division, dated 3/2/1973. (Westinghouse Proprietary Document)

11. McGuire Unit 1 UT Vessel Examination Summary No. B02.011.001 dated 10/5/2005.

DUKE ENERGY CORPORATION
QUALITY ASSURANCE TECHNICAL SERVICES
In-Service Inspection Database Management System
McGuire 1 Inserviceinspection Listing
Interval 3 Outage 3

ITEM NUMBER	ID NUMBER	SYSTEM	INSP DATE	INSP STATUS	INSP LIMITED	GEO REF	RFR	COMMENTS
B02.011.001	1PZR-1		10/05/2005	REP	---	N	N	REFERENCE WESTINGHOUSE FLAW EVALUATION FOR PRESSURIZER LOWER HEAD TO SHELL WELD. SEE PIP M-05-4894
B02.011.002	1PZR-5		10/08/2005	CLR	---	N	N	
B02.012.001	1PZR-6		10/05/2005	CLR	---	N	N	
B02.012.002	1PZR-9		10/08/2005	CLR	---	N	N	
B06.010.009	1RPV-449-02-09	NC	09/24/2005	CLR	---	N	N	
B06.010.010	1RPV-449-02-10	NC	09/24/2005	CLR	---	N	N	
B06.010.011	1RPV-449-02-11	NC	09/24/2005	CLR	---	N	N	
B06.010.016	1RPV-449-02-16	NC	09/25/2005	CLR	---	N	N	
B06.010.017	1RPV-449-02-17	NC	09/26/2005	CLR	---	N	N	
B06.010.018	1RPV-449-02-18	NC	09/26/2005	CLR	---	N	N	
B06.010.019	1RPV-449-02-19	NC	09/27/2005	CLR	---	N	N	
B06.010.020	1RPV-449-02-20	NC	09/27/2005	CLR	---	N	N	
B06.010.021	1RPV-449-02-21	NC	09/27/2005	CLR	---	N	N	
B06.010.022	1RPV-449-02-22	NC	09/27/2005	CLR	---	N	N	
B06.010.023	1RPV-449-02-23	NC	09/28/2005	CLR	---	N	N	
B06.010.024	1RPV-449-02-24	NC	09/28/2005	CLR	---	N	N	
B06.010.025	1RPV-449-02-25	NC	09/27/2005	CLR	---	N	N	
B06.010.026	1RPV-449-02-26	NC	09/27/2005	CLR	---	N	N	
B06.010.027	1RPV-449-02-27	NC	09/28/2005	CLR	---	N	N	
B06.010.028	1RPV-449-02-28	NC	09/27/2005	CLR	---	N	N	
B06.010.029	1RPV-449-02-29	NC	09/28/2005	CLR	---	N	N	
B06.010.030	1RPV-449-02-30	NC	09/28/2005	CLR	---	N	N	
B06.010.031	1RPV-449-02-31	NC	09/28/2005	CLR	---	N	N	
B06.010.032	1RPV-449-02-32	NC	09/28/2005	CLR	---	N	N	
B06.010.033	1RPV-449-02-33	NC	09/29/2005	CLR	---	N	N	
B06.010.034	1RPV-449-02-34	NC	09/28/2005	CLR	---	N	N	
B06.010.035	1RPV-449-02-35	NC	09/29/2005	CLR	---	N	N	
B06.010.036	1RPV-449-02-36	NC	09/29/2005	CLR	---	N	N	
B06.030.016	1RPV-449-01-16	NC	09/28/2005	CLR	---	N	N	
B06.030.017	1RPV-449-01-17	NC	09/28/2005	CLR	---	N	N	
B06.030.018	1RPV-449-01-18	NC	09/28/2005	CLR	---	N	N	
B06.030.019	1RPV-449-01-19	NC	09/28/2005	CLR	---	N	N	
B06.030.020	1RPV-449-01-20	NC	09/28/2005	CLR	---	N	N	
B06.030.021	1RPV-449-01-21	NC	09/28/2005	CLR	---	N	N	
B06.030.022	1RPV-449-01-22	NC	09/28/2005	CLR	---	N	N	

DUKE ENERGY CORPORATION
QUALITY ASSURANCE TECHNICAL SERVICES
In-Service Inspection Database Management System
McGuire 1 Inservice Inspection Listing
Interval 3 Outage 3

ITEM NUMBER	ID NUMBER	SYSTEM	INSP DATE	INSP STATUS	INSP LIMITED	GEO REF	RFR	COMMENTS
B06.030.023	1RPV-449-01-23	NC	09/28/2005	CLR	---	N	N	
B06.030.024	1RPV-449-01-24	NC	09/28/2005	CLR	---	N	N	
B06.030.025	1RPV-449-01-25	NC	09/28/2005	CLR	---	N	N	
B06.030.026	1RPV-449-01-26	NC	09/28/2005	CLR	---	N	N	
B06.030.027	1RPV-449-01-27	NC	09/28/2005	CLR	---	N	N	
B06.030.028	1RPV-449-01-28	NC	09/28/2005	CLR	---	N	N	
B06.030.029	1RPV-449-01-29	NC	09/28/2005	CLR	---	N	N	
B06.030.030	1RPV-449-01-30	NC	09/28/2005	CLR	---	N	N	
B06.030.031	1RPV-449-01-31	NC	09/28/2005	CLR	---	N	N	
B06.030.032	1RPV-449-01-32	NC	09/28/2005	CLR	---	N	N	
B06.030.033	1RPV-449-01-33	NC	09/28/2005	CLR	---	N	N	
B06.030.034	1RPV-449-01-34	NC	09/28/2005	CLR	---	N	N	
B06.030.035	1RPV-449-01-35	NC	09/28/2005	CLR	---	N	N	
B06.030.036	1RPV-449-01-36	NC	09/28/2005	CLR	---	N	N	
B06.050.009	1RPV-449-03-09	NC	09/24/2005	CLR	---	N	N	
B06.050.010	1RPV-449-03-10	NC	09/24/2005	CLR	---	N	N	
B06.050.011	1RPV-449-03-11	NC	09/24/2005	CLR	---	N	N	
B06.050.016	1RPV-449-03-16	NC	09/25/2005	CLR	---	N	N	
B06.050.017	1RPV-449-03-17	NC	09/26/2005	CLR	---	N	N	
B06.050.018	1RPV-449-03-18	NC	09/26/2005	CLR	---	N	N	
B06.050.019	1RPV-449-03-19	NC	09/27/2005	CLR	---	N	N	
B06.050.020	1RPV-449-03-20	NC	09/27/2005	CLR	---	N	N	
B06.050.021	1RPV-449-03-21	NC	09/27/2005	CLR	---	N	N	
B06.050.022	1RPV-449-03-22	NC	09/27/2005	CLR	---	N	N	
B06.050.023	1RPV-449-03-23	NC	09/28/2005	CLR	---	N	N	
B06.050.024	1RPV-449-03-24	NC	09/28/2005	CLR	---	N	N	
B06.050.025	1RPV-449-03-25	NC	09/27/2005	CLR	---	N	N	
B06.050.026	1RPV-449-03-26	NC	09/27/2005	CLR	---	N	N	
B06.050.027	1RPV-449-03-27	NC	09/28/2005	CLR	---	N	N	
B06.050.028	1RPV-449-03-28	NC	09/27/2005	CLR	---	N	N	
B06.050.029	1RPV-449-03-29	NC	09/28/2005	CLR	---	N	N	
B06.050.030	1RPV-449-03-30	NC	09/28/2005	CLR	---	N	N	
B06.050.031	1RPV-449-03-31	NC	09/28/2005	CLR	---	N	N	
B06.050.032	1RPV-449-03-32	NC	09/28/2005	CLR	---	N	N	
B06.050.033	1RPV-449-03-33	NC	09/29/2005	CLR	---	N	N	
B06.050.034	1RPV-449-03-34	NC	09/28/2005	CLR	---	N	N	

DUKE ENERGY CORPORATION
QUALITY ASSURANCE TECHNICAL SERVICES
In-Service Inspection Database Management System
McGuire 1 Inservice Inspection Listing
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ITEM NUMBER	ID NUMBER	SYSTEM	INSP DATE	INSP STATUS	INSP LIMITED	GEO REF	RFR	COMMENTS
B06.050.035	1RPV-449-03-35	NC	09/29/2005	CLR	---	N	N	
B06.050.036	1RPV-449-03-36	NC	09/29/2005	CLR	---	N	N	
B07.050.001	1NC-5-FL1	NC	09/22/2005	CLR	---	N	N	
B07.050.002	1NC-5-FL2	NC	09/22/2005	CLR	---	N	N	
B07.070.064F	1NI-181	NI	09/27/2005	CLR	---	N	N	
B10.010.004	1PZR-W13C	NC	10/02/2005	CLR	---	N	N	
B10.010.005	1PZR-W13D	NC	10/02/2005	CLR	---	N	N	
B12.050.003C	1NI-76A	NI	09/29/2005	CLR	---	N	N	
C01.020.090	1RCPSS-SH-3	NV	09/13/2005	CLR	---	N	N	
C01.020.091	1RCPSS-SH-2	NV	09/13/2005	CLR	---	N	N	
C02.011.001	1RCPSS-INLET	NV	09/13/2005	CLR	---	N	N	
C02.011.002	1RCPSS-OUTLET	NV	09/13/2005	CLR	---	N	N	
C03.010.003	1RCPSS-SUPP	NV	09/13/2005	CLR	---	N	N	
C03.020.025	1-MCA-ND-H63	ND	09/08/2005	CLR	---	N	N	
C03.020.027	1-MCA-ND-H335	ND	09/08/2005	CLR	---	N	N	
C03.020.042	1-MCA-NS-H36	NS	09/12/2005	CLR	---	N	N	
C03.020.072	1-MCA-VQ-H11	VQ	09/12/2005	CLR	---	N	N	
C06.020.002A	1CF-126B-1	CF	09/19/2005	CLR	---	N	N	
D01.010.010	1LDHX-SUPPORT	NV	09/08/2005	CLR	---	N	N	
D01.020.061	1-MCA-KC-2134	KC	08/22/2005	CLR	---	N	N	
F01.010.008A	1-MCR-NC-555	NC	09/21/2005	CLR	---	N	N	
F01.010.053C	1-MCR-ND-507	ND	09/21/2005	CLR	---	N	N	
F01.010.103B	1-MCR-NI-527	NI	09/21/2005	CLR	---	N	N	
F01.010.107A	1-MCR-NI-547	NI	09/21/2005	CLR	---	N	N	
F01.010.151B	1-MCR-NV-814	NV	09/21/2005	CLR	---	N	N	
F01.010.152B	1-MCR-NV-848	NV	09/21/2005	CLR	---	N	N	
F01.020.001C	1-MCA-CA-H365	CA	08/24/2005	CLR	---	N	N	
F01.020.007C	1-MCA-CA-H411	CA	08/24/2005	CLR	---	N	N	
F01.020.051C	1-MCA-CF-H152	CF	08/24/2005	REC	---	N	N	
F01.020.101C	1-MCA-FW-H1	FW	08/24/2005	CLR	---	N	N	
F01.020.151C	1-MCA-ND-H2	ND	08/29/2005	CLR	---	N	N	
F01.020.152B	1-MCA-ND-H7	ND	08/23/2005	CLR	---	N	N	
F01.020.154A	1-MCA-ND-H21	ND	08/29/2005	CLR	---	N	N	
F01.020.181A	1-MCA-ND-H63	ND	08/29/2005	CLR	---	N	N	
F01.020.182A	1-MCA-ND-H49	ND	08/23/2005	CLR	---	N	N	
F01.020.183B	1-MCA-ND-H259	ND	08/23/2005	CLR	---	N	N	

DUKE ENERGY RPORATION
QUALITY ASSURANCE TECHNICAL SERVICES
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ITEM NUMBER	ID NUMBER	SYSTEM	INSP DATE	INSP STATUS	INSP LIMITED	GEO REF	RFR	COMMENTS
F01.020.213A	1-MCR-NI-827	NI	09/21/2005	CLR	---	N	N	
F01.020.222C	1-MCR-NI-717	NI	09/21/2005	CLR	---	N	N	
F01.020.225B	1-MCR-NI-774	NI	09/21/2005	CLR	---	N	N	
F01.020.226B	1-MCR-NI-775	NI	09/21/2005	CLR	---	N	N	
F01.020.260A	1-MCA-NS-H30	NS	08/29/2005	CLR	---	N	N	
F01.020.261B	1-MCA-NS-H36	NS	08/30/2005	REC	---	N	N	
F01.020.262C	1-MCA-NS-H39	NS	08/30/2005	CLR	---	N	N	
F01.020.316A	1-MCA-NV-H23	NV	08/23/2005	REC	---	N	N	
F01.020.317A	1-MCA-NV-H27	NV	08/23/2005	CLR	---	N	N	
F01.020.318B	1-MCA-NV-H29	NV	08/23/2005	CLR	---	N	N	
F01.020.319C	MC-1683-NV.04-R27	NV	08/30/2005	CLR	---	N	N	
F01.020.320A	MC-1683-NV.04-R28	NV	08/30/2005	CLR	---	N	N	
F01.020.554A	1-MCA-SM-H70	SM	08/31/2005	CLR	---	N	N	
F01.020.555C	1-MCA-SM-H73	SM	08/31/2005	CLR	---	N	N	
F01.020.601C	1-MCA-SV-H13	SV	08/31/2005	CLR	---	N	N	
F01.020.652A	1-MCA-VQ-H11	VQ	08/31/2005	CLR	---	N	N	
F01.030.112A	1-MCA-KC-1089	KC	08/23/2005	CLR	---	N	N	
F01.030.114A	1-MCA-KC-1006	KC	08/23/2005	CLR	---	N	N	
F01.030.115A	1-MCA-KC-2297	KC	08/23/2005	CLR	---	N	N	
F01.030.116A	1-MCA-KC-H100	KC	08/23/2005	CLR	---	N	N	
F01.030.125B	1-MCA-KC-2134	KC	08/22/2005	CLR	---	N	N	
F01.030.128B	1-MCA-KC-1034	KC	08/23/2005	CLR	---	N	N	
F01.030.129B	1-MCA-KC-1027	KC	08/23/2005	REC	---	N	N	
F01.030.152C	1-MCA-KD-083	KD	08/24/2005	CLR	---	N	N	
F01.030.153C	1-MCA-KD-165	KD	08/24/2005	CLR	---	N	N	
F01.030.271A	1-MCA-WN-H29	WN	08/24/2005	CLR	---	N	N	
F01.030.272B	1-MCA-WN-H64	WN	08/24/2005	CLR	---	N	N	
F01.040.001B	1PZR-SKIRT	NC	09/27/2005	CLR	---	N	N	
F01.040.002B	1PZR-LUGS	NC	09/26/2005	CLR	---	N	N	
F01.040.003B	1PZR-SUPPORT	NC	09/26/2005	CLR	---	N	N	
F01.040.006B	1RCP-B-SUPPORT	NC	09/27/2005	CLR	---	N	N	
F01.040.010B	1RCPSS-SUPPORT	NV	09/21/2005	CLR	---	N	N	
G03.001.004	1NC1F-109	NC	10/03/2005	CLR	62.05%	N	N	
G03.001.004A	1NC1F-109	NC	09/30/2005	CLR	---	N	N	
G03.001.005	1NC-102-1	NC	10/03/2005	CLR	---	Y	N	
G03.001.005A	1NC-102-1	NC	09/30/2005	CLR	---	N	N	

DUKE ENERGY CORPORATION
QUALITY ASSURANCE TECHNICAL SERVICES
In-Service Inspection Database Management System
McGuire 1 Inservice Inspection Listing
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ITEM NUMBER	ID NUMBER	SYSTEM	INSP DATE	INSP STATUS	INSP LIMITED	GEO REF	RFR	COMMENTS
G03.001.006	1NC-102-2	NC	10/03/2005	CLR	---	N	N	
G03.001.006A	1NC-102-2	NC	09/30/2005	CLR	---	N	N	
G03.001.007	1NC-128-1	NC	10/03/2005	CLR	---	Y	N	
G03.001.007A	1NC-128-1	NC	09/25/2005	CLR	---	N	N	
G03.001.008	1NC-128-2	NC	10/03/2005	CLR	---	Y	N	
G03.001.008A	1NC-128-2	NC	09/25/2005	CLR	---	N	N	
R01.011.081	1NI32A-2	NI	09/28/2005	CLR	---	N	N	
R01.011.083	1NI267-2	NI	09/30/2005	CLR	---	N	N	
R01.011.084	1NI227-6	NI	09/30/2005	CLR	---	N	N	
R01.011.140	1NV15-2	NV	09/08/2005	CLR	---	N	N	
R01.011.153	1NV1F2112	NV	09/13/2005	CLR	---	N	N	
R01.011.154	1NV1F331	NV	09/12/2005	CLR	---	N	N	
R01.011.155	1NV3-3	NV	09/12/2005	CLR	---	N	N	
R01.011.156	1NV1F6223	NV	09/12/2005	CLR	---	N	N	
R01.011.157	1NV1FW53-51	NV	09/29/2005	CLR	58.30%	N	Y	
R01.011.204	1RV1F107	RV	09/28/2005	CLR	---	N	N	
R01.013.002	1RV1F104A	RV	09/28/2005	CLR	---	N	N	

5.0 *Owner's Report for Repair / Replacement Activities*

As required by the applicable code, records of Class 1 and Class 2 Repair and Replacement work is included on NIS-2 forms in this section.

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

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

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

The individual work request documents and manufacturers' data reports are on file at McGuire Nuclear Station.

5.1 *Class 1 and 2 Preservice Examinations*

As required by the applicable code, Preservice Inspection (PSI) Examinations were performed on ISI Class 1 and 2 items during this report period. All Class 1 and 2 PSI examination data listed below is on file in the McGuire Nuclear Station QA Vault.

Work Order Number	Identification Number	ISI Class	Type of Inspection
98483701	1MCA-CF-H172	B	VT-3
98658128	1-NS-VA-163	B	VT-1
98659985	1-SV-VA-7	B	VT-1
98668359	1-NV-VA-93	B	VT-1
98668359/06	1-MCR-S-NV-100-2-X	B	VT-3
98670899	1-SM-VA-001	B	VT-3
98672034/05	1-NM-92	B	VT-3
98673347	1-SV-VA-27	B	VT-3
98681633	1-NC-VA-3	A	VT-3
98682724	1-SM-VA-0089	B	VT-3
98685325/06	1-NI-482	B	VT-3
98685544	1-NI-VA-60	A	VT-3
98697282	1-NV-VA-0015	A	VT-1
98700121	1-SM-005	B	VT-1
98701853	1-SM-VA-3	B	VT-1
98703813	1-SM-VA-7	B	VT-3
98715371	1-NM-VA-220	B	VT-3

Work Order Number	Identification Number	ISI Class	Type of Inspection
98717515	1-NM-VA-190	B	VT-3
98718052	1-NM-VA-200	B	VT-3
98728033	1-MCA-CA-H369	B	VT-3
98728060	1-MCA-NS-H101	B	VT-3
98728061	1-MCA-NS-H105	B	VT-3
98728068	1-MCA-SM-H018	B	VT-3
98728069	1-MCA-SM-H102	B	VT-3
98728075	1-MCR-NI-589	A	VT-3
98728076	1-MCR-NI-653	A	VT-3
98728077	1-MCR-NV-747	A	VT-3
98728078	1-MCR-NV-758	B	VT-3
98728079	1-MCR-NV-1032	B	VT-3
98728080	1-MCR-NV-1047	B	VT-3
98729513	1-NV-VA-8	B	VT-1
98738791/01	1B Residual Heat Removal HX	B	VT-1
98749281	1-MCR-BB-518	B	VT-3
98749495/01	1-NI-167	A	VT-3
98749992	1-NIFE5470	B	VT-1
98751712	1-MCA-RN-H959	B	VT-3
98752538	1-MCR-NC-557	A	VT-3
98753382/01	1-VI-149	B	VT-3

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

As Required By The Provisions Of The ASME Code Section XI

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

1a. Date October 12, 2005
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 # : 98483701
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 Repair / Replacement Activity: 1998, 2000 Addenda (1998 through 2000 Addenda for Class MC and CC and their supports)

6. Identification of Components:

	Column 1	Column 2	Column 3	Column 4	Column 5	Col 6	Column 7	Column 8
	Name of Component	Name of Mfg	Mfg Serial No.	National Board No.	Other Identification	Year Built	Corrected, Removed, or Installed	ASME Code Stamped (yes or no)
A	1-MCA-CF-H172	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 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 items# 9 and 8 with nuts.

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

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

9. Remarks _____

(Applicable Manufacturer's Data Reports to be attached)

CERTIFICATE OF COMPLIANCE

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

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

Signed FL Grass Jr,QA Tech Specialist Date 10/12/2005
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of North Carolina and employed by HSB CT have inspected the components described in this Owner's Report during the period 10/3/05 to 10/12/05; and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of ASME Code, Section XI.

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

Jerome F Swan Jerome F Swan Commissions NC1524, N-I
Inspector's Signature National Board, State, Province and Endorsements

Date 10/12/05

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

As Required By The Provisions Of The ASME Code Section XI

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

1a. Date October 9, 2005
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 # : 98658128
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: NS - Containment Spray

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 Repair / Replacement Activity: 1998, 2000 Addenda (1998 through 2000 Addenda for Class MC and CC and their supports)

6. Identification of Components:

	Column 1	Column 2	Column 3	Column 4	Column 5	Col 6	Column 7	Column 8
	Name of Component	Name of Mfg	Mfg Serial No.	National Board No.	Other Identification	Year Built	Corrected, Removed, or Installed	ASME Code Stamped (yes or no)
A	1-NS-VA-163	Atwood - Morrell	4-11382-01	399	N/A	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 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 bolting material in the bearing cover.

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

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

9. Remarks _____

(Applicable Manufacturer's Data Reports to be attached)

CERTIFICATE OF COMPLIANCE

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

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

Signed FL Grass Jr, QA Tech Specialist Date 10/18/2005
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of North Carolina and employed by HSB CT have inspected the components described in this Owner's Report during the period 10/3/05 to 10/19/05 and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of ASME Code, Section XI.

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

Jerome F Swan Commissions NC1524, N-I
Inspector's Signature National Board, State, Province and Endorsements

Date 10/19/05

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

As Required By The Provisions Of The ASME Code Section XI

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

1a. Date October 5, 2005
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 # : 98659985
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 Repair / Replacement Activity: 1998, 2000 Addenda (1998 through 2000 Addenda for Class MC and CC and their supports)

6. Identification of Components:

	Column 1	Column 2	Column 3	Column 4	Column 5	Col 6	Column 7	Column 8
	Name of Component	Name of Mfg	Mfg Serial No.	National Board No.	Other Identification	Year Built	Corrected, Removed, or Installed	ASME Code Stamped (yes or no)
A	1-SV-VA-7	Babcock - Wilcox	15958-2-2	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 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 plug

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

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

9. Remarks _____

(Applicable Manufacturer's Data Reports to be attached)

CERTIFICATE OF COMPLIANCE

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

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

Signed FL Grass Jr,QA Tech Specialist Date 10/5/2005
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of North Carolina and employed by HSB CT have inspected the components described in this Owner's Report during the period 9/24/05 to 10/5/05 ; and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of ASME Code, Section XI.

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

Jerome F. Swan Jerome F Swan Commissions NC1524, N-I
Inspector's Signature National Board, State, Province and Endorsements

Date 10/5/05

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

As Required By The Provisions Of The ASME Code Section XI

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

1a. Date October 9, 2005
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 # : 98668359
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 Repair / Replacement Activity: 1998, 2000 Addenda (1998 through 2000 Addenda for Class MC and CC and their supports)

6. Identification of Components:

	Column 1	Column 2	Column 3	Column 4	Column 5	Col 6	Column 7	Column 8
	Name of Component	Name of Mfg	Mfg Serial No.	National Board No.	Other Identification	Year Built	Corrected, Removed, or Installed	ASME Code Stamped (yes or no)
A	1-NV-VA-93	Dresser	TE09046	298	N/A	1978	☐ Repaired, ☑ Replaced, ☐ Replacement	☐ No ☑ Yes
B	1-NV-VA-93	Dresser	TG33993	1879	N/A	1984	☐ 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, inlet, and outlet flange bolting material.

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

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

9. Remarks Test performed per procedure MP/0/A/7700/045.

(Applicable Manufacturer's Data Reports to be attached)

CERTIFICATE OF COMPLIANCE

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

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

Signed FL Grass Jr,QA Tech Specialist Date 10/14/2005
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of North Carolina and employed by HSB CT have inspected the components described in this Owner's Report during the period 9/29/05 to 10/16/05; and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of ASME Code, Section XI.

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

Jerome F. Swan Jerome F Swan Commissions NC1524, N-I
Inspector's Signature National Board, State, Province and Endorsements

Date 10/16/05

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

As Required By The Provisions Of The ASME Code Section XI

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

1a. Date 10/11/2005
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 # : 98668359/06
Repair Organization Job #

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

3b. NSM or MM #: ME-100542A

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 Utilized for Repair / Replacement Activity: 1998, 2000 Addenda (1998 through 2000 Addenda for Class MC and CC and their supports)

6. Identification of Components:

	Column 1	Column 2	Column 3	Column 4	Column 5	Col 6	Column 7	Column 8
	Name of Component	Name of Mfg	Mfg Serial No.	National Board No.	Other Identification	Year Built	Corrected, Removed, or Installed	ASME Code Stamped (yes or no)
A	1-MCR-S-NV-100-2-X	Duke Power	N/A	N/A	Hanger	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 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 Cutout and replaced/rewelded item 7.

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

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

9. Remarks _____

(Applicable Manufacturer's Data Reports to be attached)

CERTIFICATE OF COMPLIANCE

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

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

Signed F.R. Sorrow, F.R. Sorrow,QA Tech Support Date 10/11, 2005
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of North Carolina and employed by HSB CT have inspected the components described in this Owner's Report during the period 9/29/05 to 10/12/05; and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of ASME Code, Section XI.

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

Jerome F Swan Jerome F Swan Commissions NC1524, N-I
Inspector's Signature National Board, State, Province and Endorsements

Date 10/12/05

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

As Required By The Provisions Of The ASME Code Section XI

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

1a. Date November 8, 2004
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 # : 98670899
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 Repair / Replacement Activity: 1995, 1996 Addenda (1992 through 1992 Addenda for Class MC and CC and their supports)

6. Identification of Components:

	Column 1	Column 2	Column 3	Column 4	Column 5	Col 6	Column 7	Column 8
	Name of Component	Name of Mfg	Mfg Serial No.	National Board No.	Other Identification	Year Built	Corrected, Removed, or Installed	ASME Code Stamped (yes or no)
A	1-SM-VA-001	Atwood / Morrill	1-623	N/A	N/A	1975	☐ Corrected, ☐ Removed, ☑ Installed	☐ No ☑ Yes
B							☐ Corrected, ☐ Removed, ☐ Installed	☐ No ☐ Yes
C							☐ Corrected, ☐ Removed, ☐ Installed	☐ No ☐ Yes
D							☐ Corrected, ☐ Removed, ☐ Installed	☐ No ☐ Yes
E							☐ Corrected, ☐ Removed, ☐ Installed	☐ No ☐ Yes
F							☐ Corrected, ☐ Removed, ☐ Installed	☐ 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 poppet

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

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

9. Remarks _____

(Applicable Manufacturer's Data Reports to be attached)

CERTIFICATE OF COMPLIANCE

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

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

Signed FL Grass Jr,QA Tech Specialist Date 11/8/2004
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of North Carolina and employed by HSB CT have inspected the components described in this Owner's Report during the period 10/28/04 to 11/10/04; and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of ASME Code, Section XI.

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

Jerome F Swan Commissions NC1524, N-I
Inspector's Signature National Board, State, Province and Endorsements

Date 11/10/04

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

As Required By The Provisions Of The ASME Code Section XI

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

1a. Date 10/18/2005
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 # : 98672034/05
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: NM 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 Repair / Replacement Activity: 1998, 2000 Addenda (1998 through 2000 Addenda for Class MC and CC and their supports)

6. Identification of Components:

	Column 1	Column 2	Column 3	Column 4	Column 5	Col 6	Column 7	Column 8
	Name of Component	Name of Mfg	Mfg Serial No.	National Board No.	Other Identification	Year Built	Corrected, Removed, or Installed	ASME Code Stamped (yes or no)
A	1-NM-92	Dresser	TK-61806	1966	N/A	1995	☐ Repaired, ☒Replaced, ☐ Replacement	☐ No ☒Yes
B	1-NM-92	Dresser	TH-03996	1939	N/A	1987	☐ 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 1NM-92

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

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

9. Remarks Pressure test performed per MP/0/A/7700/045

(Applicable Manufacturer's Data Reports to be attached)

CERTIFICATE OF COMPLIANCE

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

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

Signed F.R. Sorrow, QA Tech Support Date 10/18, 2005
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of North Carolina and employed by HSB CT have inspected the components described in this Owner's Report during the period 9/30/05 to 10/18/05; and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of ASME Code, Section XI.

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

Jerome F Swan Jerome F Swan Commissions NC1524, N-I
Inspector's Signature National Board, State, Province and Endorsements

Date 10/18/05

FORM NV-1 (BACK)

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.I, 1971 EDITION, ADDENDA Summer 1973 (DATE), CODE CASE NO. N/A.

DATE 10/25/87 SIGNED See Para. 1 above (N CERTIFICATE HOLDER) BY Principal Quality Assurance Engineer

OUR ASME CERTIFICATE OF AUTHORIZATION NO. N-1747 TO USE THE NV (NV) SYMBOL EXPIRES May 20, 1989 (DATE)

CERTIFICATION OF DESIGN

DESIGN INFORMATION ON FILE AT Dresser Plant, Alexandria, La.

STRESS ANALYSIS REPORT (CLASS I ONLY) ON FILE AT

DESIGN SPECIFICATIONS CERTIFIED BY[1] R. E. Miller

PE STATE North Carolina REG. NO. 4860

STRESS REPORT CERTIFIED BY[1] D. K. Sharma

PE STATE Louisiana REG. NO. 20244

[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 LOUISIANA AND EMPLOYED BY THE HARTFORD STEAM BOILER I. & I. COMPANY OF HARTFORD, CONN., HAVE INSPECTED THE PUMP, OR VALVE, DESCRIBED IN THIS DATA REPORT ON Oct. 30, 1987 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 WARRANTY, EXPRESSED OR IMPLIED, CONCERNING THE EQUIPMENT DESCRIBED IN THIS DATA REPORT. FUTHERMORE, NEITHER THE INSPECTOR NOR HIS EMPLOYER SHALL BE 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 10/30, 1987

SIGNED (INSPECTOR) COMMISSIONS Louisiana 451 (NAT'L.BD.STATE PROV.AND NO.)

FORM NO. QA-0071-0776

INDUSTRIAL VALVES | DRESSER

FORM NV-1 N CERTIFICATE HOLDERS' DATA REPORT FOR SAFETY AND SAFETY RELIEF VALVES*
(AS REQUIRED BY THE PROVISIONS OF THE ASME CODE, SECTION III, DIV. 1)

1. MANUFACTURED BY Dresser Industries, Inc., Dresser Valve & Controls Div., Industrial Valve North American Operations, Intersection Hwy. 167 & 3225 North, Alexandria, LA
(NAME AND ADDRESS OF N CERTIFICATE HOLDER)

2. MANUFACTURED FOR Duke Power Co., P. O. Box 32307, Charlotte, NC 28232-2307
(NAME AND ADDRESS OF PURCHASER OR OWNER)

3. LOCATION OF INSTALLATION Duke Pwr.Co., McGuire Nuc. Station, HY 73, Cowans Ford, NC 28216
(NAME AND ADDRESS)

4. (CRN) NC3037 (DRAWING NO.) 1939 (NATL.BRD.NO.) 1987 (YEAR BUILT)

5. VALVE 1-1/2"1910-30F/S4-1-XLS2-NC3037 (MODEL NO.,SERIES NO.) IDENTIFYING NOS TH-03996 (N CERTIFICATE HOLDERS' SERIAL NO.)

TYPE Safety Relief (SAFETY,SAFETY RELIEF;PILOT;POWER ACTUATED) CLASS 2

ORIFICE SIZE 0.674 INCH NOMINAL INLET SIZE 1-½ INCH OUTLET SIZE 2 INCH

6. SET PRESSURE(PSIG) 150 RATED TEMPERATURE Saturated °F

STAMPED CAPACITY 2823 SAT.STEAM LBS/HR. @ 10 % OVERPRESSURE BLOWDOWN(PSIG) 15

HYDROSTATIC TEST (PSIG) INLET **See Below OUTLET ***See Below
(APPLICABLE TO VALVES FOR CLOSED SYSTEMS ONLY)

7. PRESSURE RETAINING PIECES

		SERIAL NO. OR IDENTIFICATION	MATERIAL SPECIFICATION INCL. TYPE OR GRADE
BODY		AAT55	SA351, Gr. CF8M
BONNET OR YOKE		AAT44	SA351, Gr. CF8M
SUPPORT RODS			
NOZZLE		AAF76	SA182, Gr. F316
DISC		A16280	SA479, Type 316
SPRING WASHERS			
ADJUSTING SCREW			
SPINDLE			
SPRING			
BOLTING	Studs	PE29/NL90	SA453, Gr. 660
OTHER PIECES	Nuts	PE35	SA194, Gr. 6

*SUPPLEMENT 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 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.

**Base 450 PSIG
Disc 5575 PSIG
Nozzle 5575 PSIG

***Bonnet 450 PSIG

R
10/18/05

FORM NO. QA-0071-

INDUSTRIAL VALVES | DRESSER

DRESSER VALVE AND CONTROLS DIVISION
Dresser Industries, Inc.
Industrial Valve North American Operations
P.O. Box 1430 • Alexandria, Louisiana 71309-1430

CERTIFICATE OF CONFORMANCE/COMPLIANCE

Duke Power Company
P. O. Box 32307
Charlotte, NC 28232

Subject: Your Order No. P33445-77
Dresser Order No. 25-91850-0

Gentlemen:

We hereby certify that the following listed valves furnished on the above order have been manufactured, inspected and accepted in accordance with Dresser's engineering, design, material and quality requirements. We further certify that the attached documents which are a part of the certification, are accurate and in compliance with the record requirements of this order.

We further certify that the chemicals in all fluids and lubricants used during final cleaning and valve assembly are in compliance with the design specifications and its design criteria, and all water used for cleaning, hydrostatic and functional testing, meets the requirements for demineralized water per ANSI N45.2.1, 1973.

Item No. 3 (1) 1-1/2"1910-30F/S4-1-XLS2-NC3037
✓ Serial No. TH-03996
✓ Tag - MRV-023
✓ National Board No. 1939
Set Pressure 150 PSIG
Capacity 2823 #/Hr. Steam

Valves cleaned per CL-12, Rev. 7
Valves assembled per AS-95, Rev. 1
Valves tested per PT-23, Rev. 0
Valves packaged per PC-50, Rev. 6

Very truly yours,

John P. Watz
Principal Quality Assurance Engineer

BY: Billy E. Harris
Billy E. Harris
Documentation Specialist

10/29/87
Date

BEH/jf

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

As Required By The Provisions Of The ASME Code Section XI

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

1a. Date October 10, 2005
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 # : 98673347
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 Repair / Replacement Activity: 1998, 2000 Addenda (1998 through 2000 Addenda for Class MC and CC and their supports)

6. Identification of Components:

	Column 1	Column 2	Column 3	Column 4	Column 5	Col 6	Column 7	Column 8
	Name of Component	Name of Mfg	Mfg Serial No.	National Board No.	Other Identification	Year Built	Corrected, Removed, or Installed	ASME Code Stamped (yes or no)
A	1-SV-VA-27	Walworth	C61629	709	V File# 784	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 wedge

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

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

9. Remarks _____

(Applicable Manufacturer's Data Reports to be attached)

CERTIFICATE OF COMPLIANCE

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

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

Signed FL Grass Jr, QA Tech Specialist Date 10/18/2005
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of North Carolina and employed by HSB CT have inspected the components described in this Owner's Report during the period 10/5/05 to 10/20/05 and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of ASME Code, Section XI.

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

Jerome F Swan Commissions NC1524, N-I
Inspector's Signature National Board, State, Province and Endorsements

Date 10/20/05

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

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 9, 2005
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 # : 98681633
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 Repair / Replacement Activity: 1998, 2000 Addenda (1998 through 2000 Addenda for Class MC and CC and their supports)

6. Identification of Components:

	Column 1	Column 2	Column 3	Column 4	Column 5	Col 6	Column 7	Column 8
	Name of Component	Name of Mfg	Mfg Serial No.	National Board No.	Other Identification	Year Built	Corrected, Removed, or Installed	ASME Code Stamped (yes or no)
A	1-NC-VA-3	Crosby	N56925-00-0009	525	N/A	1978	☐ Repaired, ☑ Replaced, ☐ Replacement	☐ No ☑ Yes
B	1-NC-VA-3	Crosby	N56925-00-0001	25	N/A	1974	☐ 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

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

Pressure 2235 psig Test Temp. 538 °F
Pressure _____ psig Test Temp. _____ °F
Pressure _____ psig Test Temp. _____ °F

9. Remarks Test performed per the Class A Walk-down (W/O #98682187).

(Applicable Manufacturer's Data Reports to be attached)

CERTIFICATE OF COMPLIANCE

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

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

Signed FL Grass Jr, QA Tech Specialist Date 10/14/2005
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of North Carolina and employed by HSB CT have inspected the components described in this Owner's Report during the period 9/21/05 to 10/18/05; and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of ASME Code, Section XI.

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

Jerome F. Swan Jerome F Swan Commissions NC1524, N-I
Inspector's Signature National Board, State, Province and Endorsements

Date 10/18/05

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.-44B

NB-25

DATA REPORT
Safety and Safety Relief Valves

1. Manufactured By Crosby Valve & Gage Company, 43 Kendrick St., Wrentham, Mass. 02093
Name and Address

6M6 HB-BP-86

Model No. N-56925 Order No. N-300580 Contract Date 2/12/73

2. Manufactured For Duke Power Company Charlotte, North Carolina Order No. A-33957
Name and Address

3. Owner Duke Power Company, 422 South Church St., Charlotte, North Carolina 28201
Name and Address

4. Location of Plant McGuire Nuclear Station Unit #1, Cowans Ford, North Carolina

5. Valve Identification 1-NC-1 Serial No. N56925-00-0001 Drawing No. DS-C-56925 Rev. 0

Type Safety (Safety, Safety Relief, Pilot, Power Actuated) Orifice Size M (2.154 Inch) Pipe Size ____ Inch Inlet 6 Inch Outlet 6 Inch

6. Set Pressure (PSIG) 2485# 700 F (Rated Temperature)

Stamped Capacity 420006#/hr. ± 3 % Overpressure 3 Blowdown (PSIG) 124

Hydrostatic Test (PSIG) Inlet 4575 Complete Valve 750

7. The material, design, construction and workmanship comply with ASME Code, Section III.

Class 1 Edition 1971 Addenda Date Winter 1972

Pressure Containing or Pressure Retaining Components

		Serial No. Identification	Material Specification Including Type or Grade
a. Castings			
Body		N90397-31-0003	ASTM A-351-72 Gr. CF8M ASME SA-351 Gr. CF8M
Bonnet		N90353-34-0016	ASTM A-105-71 Gr. II ASME SA-105 Gr. II
b. Bar Stock and Forgings			
Support Rods			
Nozzle		N90399-31-0003	ASTM A-182-71 Gr. F ASME SA-182 Gr. F
Disc Insert		N90426-33-0010	Haynes Stellite Gr. B6
Spring Washers	Top	N90350-32-0035	ASTM A-105-71 Gr. II
	Bottom	N90350-32-0036	ASME SA-105 Gr. II
Adjusting Bolt		N90351-35-0024	ASTM A-193-70 Gr. B6 ASME SA-193 Gr. B6
Spindle		N90354-34-0025	ASTM A-193-71 Gr. B6 ASME SA-193 Gr. B6
Spindle Ball		N90355-0025	ASTM A-276-72 Type 440C ASME SA-276 Type 440C

	Serial No. or Identification	Material Specification Including Type or Grade
c. Spring	NX-2761-0018	ASTM A-304 Gr. 51860H
d. Bolting		
e. Other Parts such as Pilot Components		
Disc Holder	N90356-34-0014	Inconel 718
Bonnet Stud	87589	ASTM A-193-71 Gr. B7 ASME SA-193 Gr. B7
Bonnet Stud Nut	2371	ASTM A-194-71 Gr. 2H ASME SA-194 Gr. 2H

We certify that the statements made in this report are correct.

Date 8-5 19 74 Signed Crosby Valve & Gage Co. By [signature]
Manufacturer QA Manager

Certificate of Authorization No. 331 expires November 9, 1974

DESIGN INFORMATION ON FILE AT CROSBY VALVE & GAGE COMPANY
DESIGN REPORT NO. EC-158

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 Mass. and employed by Mutual Boiler & Machinery Insurance Co.*, Waltham, Mass. have inspected the equipment described in this Data Report on _____ 19____ and state that to the best of my knowledge and belief, the Manufacturer has constructed this equipment in accordance with the applicable Subsections of ASME 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.

*Factory Mutual Group of Insurance Co.

Date 8-14 19 74

[signature] Commissions N.B. 7350
(Inspector) (National Board, State, Province and No.)

[signature] 10/18/05

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

As Required By The Provisions Of The ASME Code Section XI

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

1a. Date October 5, 2005
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 # : 98682724
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 Repair / Replacement Activity: 1998, 2000 Addenda (1998 through 2000 Addenda for Class MC and CC and their supports)

6. Identification of Components:

	Column 1	Column 2	Column 3	Column 4	Column 5	Col 6	Column 7	Column 8
	Name of Component	Name of Mfg	Mfg Serial No.	National Board No.	Other Identification	Year Built	Corrected, Removed, or Installed	ASME Code Stamped (yes or no)
A	1-SM-VA-0089	Kerotest	E028R-1-1	2554	N/A	2001	☐ 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 and Disc

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

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

9. Remarks Test performed per MP/0/A/7700/045.

(Applicable Manufacturer's Data Reports to be attached)

CERTIFICATE OF COMPLIANCE

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

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

Signed FL Grass Jr, QA Tech Specialist Date 10/5/2005
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of North Carolina and employed by HSB CT have inspected the components described in this Owner's Report during the period 9/29/05 to 10/6/05; and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of ASME Code, Section XI.

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

Jerome F Swan Jerome F Swan Commissions NC1524, N-I
Inspector's Signature National Board, State, Province and Endorsements

Date 10/6/05

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

As Required By The Provisions Of The ASME Code Section XI

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

1a. Date 10/16/2005
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 # : 98685325/06
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: NI 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 Repair / Replacement Activity: 1998, 2000 Addenda (1998 through 2000 Addenda for Class MC and CC and their supports)

6. Identification of Components:

	Column 1	Column 2	Column 3	Column 4	Column 5	Col 6	Column 7	Column 8
	Name of Component	Name of Mfg	Mfg Serial No.	National Board No.	Other Identification	Year Built	Corrected, Removed, or Installed	ASME Code Stamped (yes or no)
A	Valve 1NI-482	Borg-Warner	47779	1347	N/A	1979	☐ 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 and bonnet and seal welded bonnet to body.

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

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

9. Remarks Test performed per MP/0/A/7700/045

(Applicable Manufacturer's Data Reports to be attached)

CERTIFICATE OF COMPLIANCE

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

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

Signed F.R. Sorrow, QA Tech Support Date 10/16, 2005
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of North Carolina and employed by HSB CT have inspected the components described in this Owner's Report during the period 9/23/05 to 10/16/05; and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of ASME Code, Section XI.

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

Jerome F. Swan Jerome F Swan Commissions NC1524, N-I
Inspector's Signature National Board, State, Province and Endorsements

Date 10/16/05

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

As Required By The Provisions Of The ASME Code Section XI

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

1a. Date October 5, 2005
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 # : 98685544
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: NI - Safety Injection

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 Repair / Replacement Activity: 1998, 2000 Addenda (1998 through 2000 Addenda for Class MC and CC and their supports)

6. Identification of Components:

	Column 1	Column 2	Column 3	Column 4	Column 5	Col 6	Column 7	Column 8
	Name of Component	Name of Mfg	Mfg Serial No.	National Board No.	Other Identification	Year Built	Corrected, Removed, or Installed	ASME Code Stamped (yes or no)
A	1-NI-VA-60	Atwood Morrill	7-15436-01	367	N/A	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. Tests Conducted:Hydrostatic ☐ Pneumatic ☐ Nom. Operating Press. ☐ Other ☐ Exempt☑

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

9. Remarks _____

(Applicable Manufacturer's Data Reports to be attached)

CERTIFICATE OF COMPLIANCE

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

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

Signed FL Grass Jr,QA Tech Specialist Date 10/5/2005
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of North Carolina and employed by HSB CT have inspected the components described in this Owner's Report during the period 9/29/05 to 10/7/05; and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of ASME Code, Section XI.

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

Jerome F. Swan Jerome F Swan Commissions NC1524, N-I
Inspector's Signature National Board, State, Province and Endorsements

Date 10/7/05

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

As Required By The Provisions Of The ASME Code Section XI

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

1a. Date October 28, 2004
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 # : 98697282
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: 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 Repair / Replacement Activity: 1995, 1996 Addenda (1992 through 1992 Addenda for Class MC and CC and their supports)

6. Identification of Components:

	Column 1	Column 2	Column 3	Column 4	Column 5	Col 6	Column 7	Column 8
	Name of Component	Name of Mfg	Mfg Serial No.	National Board No.	Other Identification	Year Built	Corrected, Removed, or Installed	ASME Code Stamped (yes or no)
A	1-NV-VA-0015	Walworth	A0657	241	N/A	1974	☐ Corrected, ☐ Removed, ☑ Installed	☐ No ☑ Yes
B							☐ Corrected, ☐ Removed, ☐ Installed	☐ No ☐ Yes
C							☐ Corrected, ☐ Removed, ☐ Installed	☐ No ☐ Yes
D							☐ Corrected, ☐ Removed, ☐ Installed	☐ No ☐ Yes
E							☐ Corrected, ☐ Removed, ☐ Installed	☐ No ☐ Yes
F							☐ Corrected, ☐ Removed, ☐ Installed	☐ 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 studs and nuts in the cover / bonnet as well as seal welded.

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

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

9. Remarks _____

(Applicable Manufacturer's Data Reports to be attached)

CERTIFICATE OF COMPLIANCE

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

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

Signed FL Grass Jr,QA Tech Specialist Date 10/28/2004
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of North Carolina and employed by HSB CT have inspected the components described in this Owner's Report during the period 10/20/04 to 10/28/04 and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of ASME Code, Section XI.

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

Jerome F Swan Commissions NC1524, N-I
Inspector's Signature National Board, State, Province and Endorsements

Date 10/28/04

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

As Required By The Provisions Of The ASME Code Section XI

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

1a. Date November 10, 2004
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 # : 98700121
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: VI - Instrument Air

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 Repair / Replacement Activity: 1995, 1996 Addenda (1992 through 1992 Addenda for Class MC and CC and their supports)

6. Identification of 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 Corrected, Removed, or Installed	Column 8 ASME Code Stamped (yes or no)
A	VI System	Duke Power	N/A	34	N/A	1981	☐ Corrected, ☐ Removed, ☑ Installed	☐ No ☑ Yes
B							☐ Corrected, ☐ Removed, ☐ Installed	☐ No ☐ Yes
C							☐ Corrected, ☐ Removed, ☐ Installed	☐ No ☐ Yes
D							☐ Corrected, ☐ Removed, ☐ Installed	☐ No ☐ Yes
E							☐ Corrected, ☐ Removed, ☐ Installed	☐ No ☐ Yes
F							☐ Corrected, ☐ Removed, ☐ Installed	☐ 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 nuts on the flange at valve 1SM005

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

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

9. Remarks _____

(Applicable Manufacturer's Data Reports to be attached)

CERTIFICATE OF COMPLIANCE

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

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

Signed FL Grass Jr,QA Tech Specialist Date 11/10/2004
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of North Carolina and employed by HSB CT have inspected the components described in this Owner's Report during the period 11/8/04 to 11/10/04; and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of ASME Code, Section XI.

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

Jerome F. Swan Jerome F Swan Commissions NC1524, N-I
Inspector's Signature National Board, State, Province and Endorsements

Date 11/10/04

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

As Required By The Provisions Of The ASME Code Section XI

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

1a. Date October 9, 2005
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 # : 98701853
Repair Organization Job #

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

3b. NSM or MM #: ME100117

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 Repair / Replacement Activity: 1998, 2000 Addenda (1998 through 2000 Addenda for Class MC and CC and their supports)

6. Identification of Components:

	Column 1	Column 2	Column 3	Column 4	Column 5	Col 6	Column 7	Column 8
	Name of Component	Name of Mfg	Mfg Serial No.	National Board No.	Other Identification	Year Built	Corrected, Removed, or Installed	ASME Code Stamped (yes or no)
A	1-SM-VA-3	Atwood - Morrell	2-623	N/A	V File# 503	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 Main Poppet and one body stud

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

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

9. Remarks _____

(Applicable Manufacturer's Data Reports to be attached)

CERTIFICATE OF COMPLIANCE

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

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

Signed FL Grass Jr, QA Tech Specialist Date 10/19/2005
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of North Carolina and employed by HSB CT have inspected the components described in this Owner's Report during the period 9/28/05 to 10/20/05; and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of ASME Code, Section XI.

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

Jerome F Swan Commissions NC1524, N-I
Inspector's Signature National Board, State, Province and Endorsements

Date 10/20/05

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

As Required By The Provisions Of The ASME Code Section XI

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

1a. Date October 9, 2005
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 # : 98703813
Repair Organization Job #

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

3b. NSM or MM #: ME100117

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 Repair / Replacement Activity: 1998, 2000 Addenda (1998 through 2000 Addenda for Class MC and CC and their supports)

6. Identification of Components:

	Column 1	Column 2	Column 3	Column 4	Column 5	Col 6	Column 7	Column 8
	Name of Component	Name of Mfg	Mfg Serial No.	National Board No.	Other Identification	Year Built	Corrected, Removed, or Installed	ASME Code Stamped (yes or no)
A	1-SM-VA-7	Atwood - Morrell	4-623	N/A	V File# 593	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 Main Poppet

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

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

9. Remarks _____

(Applicable Manufacturer's Data Reports to be attached)

CERTIFICATE OF COMPLIANCE

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

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

Signed FL Grass Jr,QA Tech Specialist Date 10/19/2005
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of North Carolina and employed by HSB CT have inspected the components described in this Owner's Report during the period 9/26/05 to 10/19/05; and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of ASME Code, Section XI.

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

Jerome F Swan Jerome F Swan Commissions NC1524, N-I
Inspector's Signature National Board, State, Province and Endorsements

Date 10/19/05

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

As Required By The Provisions Of The ASME Code Section XI

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

1a. Date October 4, 2005
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 # : 98715371
Repair Organization Job #

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

3b. NSM or MM #: MGMM-15155

4. (a) Identification of System: NM - Nuclear Sampling 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 Repair / Replacement Activity: 1998, 2000 Addenda (1998 through 2000 Addenda for Class MC and CC and their supports)

6. Identification of Components:

	Column 1	Column 2	Column 3	Column 4	Column 5	Col 6	Column 7	Column 8
	Name of Component	Name of Mfg	Mfg Serial No.	National Board No.	Other Identification	Year Built	Corrected, Removed, or Installed	ASME Code Stamped (yes or no)
A	1-NM-VA-220	Kerotest	DY11-4	6751	V File# 470	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 disc

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

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

9. Remarks _____

(Applicable Manufacturer's Data Reports to be attached)

CERTIFICATE OF COMPLIANCE

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

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

Signed FL Grass Jr, QA Tech Specialist Date 10/4/2005
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of North Carolina and employed by HSB CT have inspected the components described in this Owner's Report during the period 9/26/05 to 10/4/05; and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of ASME Code, Section XI.

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

Jerome F Swan Jerome F Swan Commissions NC1524, N-I
Inspector's Signature National Board, State, Province and Endorsements

Date 10/4/05

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

As Required By The Provisions Of The ASME Code Section XI

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

1a. Date October 4, 2005
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 # : 98717515
Repair Organization Job #

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

3b. NSM or MM #: MGMM-12566

4. (a) Identification of System: NM - Nuclear Sampling

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 Repair / Replacement Activity: 1998, 2000 Addenda (1998 through 2000 Addenda for Class MC and CC and their supports)

6. Identification of Components:

	Column 1	Column 2	Column 3	Column 4	Column 5	Col 6	Column 7	Column 8
	Name of Component	Name of Mfg	Mfg Serial No.	National Board No.	Other Identification	Year Built	Corrected, Removed, or Installed	ASME Code Stamped (yes or no)
A	1-NM-VA-190	Kerotest	FZ39-21	7742	V File# 623	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 disc

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

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

9. Remarks _____

(Applicable Manufacturer's Data Reports to be attached)

CERTIFICATE OF COMPLIANCE

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

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

Signed FL Grass Jr,QA Tech Specialist Date 10/4/2005
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of North Carolina and employed by HSB CT have inspected the components described in this Owner's Report during the period 9/23/05 to 10/4/05; and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of ASME Code, Section XI.

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

Jerome F. Swan Jerome F Swan Commissions NC1524, N-I
Inspector's Signature National Board, State, Province and Endorsements

Date 10/4/05

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

As Required By The Provisions Of The ASME Code Section XI

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

1a. Date October 4, 2005
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 # : 98718052
Repair Organization Job #

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

3b. NSM or MM #: MGMM-15154

4. (a) Identification of System: NM - Nuclear Sampling

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 Repair / Replacement Activity: 1998, 2000 Addenda (1998 through 2000 Addenda for Class MC and CC and their supports)

6. Identification of Components:

	Column 1	Column 2	Column 3	Column 4	Column 5	Col 6	Column 7	Column 8
	Name of Component	Name of Mfg	Mfg Serial No.	National Board No.	Other Identification	Year Built	Corrected, Removed, or Installed	ASME Code Stamped (yes or no)
A	1-NM-VA-200	Kerotest	SSA1-25	7746	V File# 623	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 disc

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

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

9. Remarks _____

(Applicable Manufacturer's Data Reports to be attached)

CERTIFICATE OF COMPLIANCE

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

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

Signed FL Grass Jr,QA Tech Specialist Date 10/4/2005
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of North Carolina and employed by HSB CT have inspected the components described in this Owner's Report during the period 9/27/05 to 10/4/05 ; and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of ASME Code, Section XI.

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

Jerome F. Swan Jerome F Swan Commissions NC1524, N-I
Inspector's Signature National Board, State, Province and Endorsements

Date 10/4/05

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

As Required By The Provisions Of The ASME Code Section XI

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

1a. Date September 27, 2005
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 # : 98728033
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 - Auxilary 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 Repair / Replacement Activity: 1998, 2000 Addenda (1998 through 2000 Addenda for Class MC and CC and their supports)

6. Identification of 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 Corrected, Removed, or Installed	Column 8 ASME Code Stamped (yes or no)
A	1-MCA-CA-H369	Duke Power	16547	N/A	N/A	N/A	☐ Repaired, ☑ Replaced, ☐ Replacement	☑ No ☐ Yes
B	1-MCA-CA-H369	Duke Power	27675	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

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

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

9. Remarks _____

(Applicable Manufacturer's Data Reports to be attached)

CERTIFICATE OF COMPLIANCE

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

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

Signed FL Grass Jr,QA Tech Specialist Date 9/27/2005
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of North Carolina and employed by HSB CT have inspected the components described in this Owner's Report during the period 9/21/05 to 9/27/05; and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of ASME Code, Section XI.

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

Jerome F. Swan Jerome F Swan Commissions NC1524, N-I
Inspector's Signature National Board, State, Province and Endorsements

Date 9/27/05

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

As Required By The Provisions Of The ASME Code Section XI

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

1a. Date September 27, 2005
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 # : 98728060
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: NS - Containment Spray

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 Repair / Replacement Activity: 1998, 2000 Addenda (1998 through 2000 Addenda for Class MC and CC and their supports)

6. Identification of Components:

	Column 1	Column 2	Column 3	Column 4	Column 5	Col 6	Column 7	Column 8
	Name of Component	Name of Mfg	Mfg Serial No.	National Board No.	Other Identification	Year Built	Corrected, Removed, or Installed	ASME Code Stamped (yes or no)
A	1-MCA-NS-H101	Duke Power	19769	N/A	N/A	N/A	☐ Repaired, ☑ Replaced, ☐ Replacement	☑ No ☐ Yes
B	1-MCA-NS-H101	Duke Power	15862	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

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

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

9. Remarks _____

(Applicable Manufacturer's Data Reports to be attached)

CERTIFICATE OF COMPLIANCE

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

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

Signed FL Grass Jr, QA Tech Specialist Date 9/27/2005
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of North Carolina and employed by HSB CT have inspected the components described in this Owner's Report during the period 9/22/05 to 9/27/05; and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of ASME Code, Section XI.

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

Jerome F. Swan Jerome F Swan Commissions NC1524, N-I
Inspector's Signature National Board, State, Province and Endorsements

Date 9/27/05

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

As Required By The Provisions Of The ASME Code Section XI

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

1a. Date September 22, 2005
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 # : 98728061
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: NS - Containment Spray

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 Repair / Replacement Activity: 1998, 2000 Addenda (1998 through 2000 Addenda for Class MC and CC and their supports)

6. Identification of Components:

	Column 1	Column 2	Column 3	Column 4	Column 5	Col 6	Column 7	Column 8
	Name of Component	Name of Mfg	Mfg Serial No.	National Board No.	Other Identification	Year Built	Corrected, Removed, or Installed	ASME Code Stamped (yes or no)
A	1-MCA-NS-H105	Duke Power	19899	N/A	N/A	N/A	☐ Repaired, ☑ Replaced, ☐ Replacement	☑ No ☐ Yes
B	1-MCA-NS-H105	Duke Power	20934	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

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

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

9. Remarks _____

(Applicable Manufacturer's Data Reports to be attached)

CERTIFICATE OF COMPLIANCE

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

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

Signed FL Grass Jr, QA Tech Specialist Date 9/22/2005
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of North Carolina and employed by HSB CT have inspected the components described in this Owner's Report during the period 9/19/05 to 9/22/05 and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of ASME Code, Section XI.

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

Jerome F Swan Commissions NC1524, N-I
Inspector's Signature National Board, State, Province and Endorsements

Date 9/22/05

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

As Required By The Provisions Of The ASME Code Section XI

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

1a. Date September 22, 2005
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 # : 98728068
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 Repair / Replacement Activity: 1998, 2000 Addenda (1998 through 2000 Addenda for Class MC and CC and their supports)

6. Identification of Components:

	Column 1	Column 2	Column 3	Column 4	Column 5	Col 6	Column 7	Column 8
	Name of Component	Name of Mfg	Mfg Serial No.	National Board No.	Other Identification	Year Built	Corrected, Removed, or Installed	ASME Code Stamped (yes or no)
A	1-MCA-SM-H018	Duke Power	21410	N/A	N/A	N/A	☐ Repaired, ☑ Replaced, ☐ Replacement	☑ No ☐ Yes
B	1-MCA-NS-H018	Duke Power	15722	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

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

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

9. Remarks _____

(Applicable Manufacturer's Data Reports to be attached)

CERTIFICATE OF COMPLIANCE

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

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

Signed FL Grass Jr, QA Tech Specialist Date 9/22/2005
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of North Carolina and employed by HSB CT have inspected the components described in this Owner's Report during the period 9/21/05 to 9/22/05; and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of ASME Code, Section XI.

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

Jerome F Swan Commissions NC1524, N-I
Inspector's Signature National Board, State, Province and Endorsements

Date 9/22/05

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

As Required By The Provisions Of The ASME Code Section XI

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

1a. Date September 20, 2005
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 # : 98728069
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 Repair / Replacement Activity: 1998, 2000 Addenda (1998 through 2000 Addenda for Class MC and CC and their supports)

6. Identification of 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 Corrected, Removed, or Installed	Column 8 ASME Code Stamped (yes or no)
A	1-MCA-SM-H102	Duke Power	00123	N/A	N/A	N/A	☐ Repaired, ☑ Replaced, ☐ Replacement	☑ No ☐ Yes
B	1-MCA-SM-H102	Duke Power	15718	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

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

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

9. Remarks _____

(Applicable Manufacturer's Data Reports to be attached)

CERTIFICATE OF COMPLIANCE

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

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

Signed FL Grass Jr,QA Tech Specialist Date 9/20/2005
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of North Carolina and employed by HSB CT have inspected the components described in this Owner's Report during the period 9/15/2005 to 9/20/2005 ; and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of ASME Code, Section XI.

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

Jerome F Swan Commissions NC1524, N-I
Inspector's Signature National Board, State, Province and Endorsements

Date 9/20/2005

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

As Required By The Provisions Of The ASME Code Section XI

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

1a. Date September 28, 2005
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 # : 98728075
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: NI - Safety Injection

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 Repair / Replacement Activity: 1998, 2000 Addenda (1998 through 2000 Addenda for Class MC and CC and their supports)

6. Identification of Components:

	Column 1	Column 2	Column 3	Column 4	Column 5	Col 6	Column 7	Column 8
	Name of Component	Name of Mfg	Mfg Serial No.	National Board No.	Other Identification	Year Built	Corrected, Removed, or Installed	ASME Code Stamped (yes or no)
A	1-MCR-NI-0589	Duke Power	22343	N/A	N/A	N/A	☐ Repaired, ☑ Replaced, ☐ Replacement	☑ No ☐ Yes
B	1-MCR-NI-0589	Duke Power	15860	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

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

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

9. Remarks _____

(Applicable Manufacturer's Data Reports to be attached)

CERTIFICATE OF COMPLIANCE

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

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

Signed FL Grass Jr, QA Tech Specialist Date 9/28/2005
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of North Carolina and employed by HSB CT have inspected the components described in this Owner's Report during the period 9/23/05 to 9/29/05; and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of ASME Code, Section XI.

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

Jerome F Swan Jerome F Swan Commissions NC1524, N-I
Inspector's Signature National Board, State, Province and Endorsements

Date 9/29/05

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

As Required By The Provisions Of The ASME Code Section XI

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

1a. Date September 28, 2005
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 # : 98728076
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: NI - Safety Injection

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 Repair / Replacement Activity: 1998, 2000 Addenda (1998 through 2000 Addenda for Class MC and CC and their supports)

6. Identification of Components:

	Column 1	Column 2	Column 3	Column 4	Column 5	Col 6	Column 7	Column 8
	Name of Component	Name of Mfg	Mfg Serial No.	National Board No.	Other Identification	Year Built	Corrected, Removed, or Installed	ASME Code Stamped (yes or no)
A	1-MCR-NI-0653	Duke Power	20860	N/A	N/A	N/A	☐ Repaired, ☑ Replaced, ☐ Replacement	☑ No ☐ Yes
B	1-MCR-NI-0653	Duke Power	19914	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

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

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

9. Remarks _____

(Applicable Manufacturer's Data Reports to be attached)

CERTIFICATE OF COMPLIANCE

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

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

Signed FL Grass Jr,QA Tech Specialist Date 9/28/2005
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of North Carolina and employed by HSB CT have inspected the components described in this Owner's Report during the period 9/26/05 to 9/29/05; and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of ASME Code, Section XI.

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

Jerome F Swan Commissions NC1524, N-I
Inspector's Signature National Board, State, Province and Endorsements

Date 9/29/05

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

As Required By The Provisions Of The ASME Code Section XI

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

1a. Date October 4, 2005
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 # : 98728077
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: 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 Repair / Replacement Activity: 1998, 2000 Addenda (1998 through 2000 Addenda for Class MC and CC and their supports)

6. Identification of Components:

	Column 1	Column 2	Column 3	Column 4	Column 5	Col 6	Column 7	Column 8
	Name of Component	Name of Mfg	Mfg Serial No.	National Board No.	Other Identification	Year Built	Corrected, Removed, or Installed	ASME Code Stamped (yes or no)
A	1-MCR-NV-0747	Duke Power	15132	N/A	N/A	N/A	☐ Repaired, ☑ Replaced, ☐ Replacement	☑ No ☐ Yes
B	1-MCR-NV-0747	Duke Power	15044	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

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

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

9. Remarks _____

(Applicable Manufacturer's Data Reports to be attached)

CERTIFICATE OF COMPLIANCE

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

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

Signed FL Grass Jr,QA Tech Specialist Date 10/4/2005
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of North Carolina and employed by HSB CT have inspected the components described in this Owner's Report during the period 9/26/05 to 10/4/05 ; and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of ASME Code, Section XI.

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

Jerome F. Swan Jerome F Swan Commissions NC1524, N-I
Inspector's Signature National Board, State, Province and Endorsements

Date 10/4/05

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

As Required By The Provisions Of The ASME Code Section XI

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

1a. Date October 4, 2005
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 # : 98728078
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 Repair / Replacement Activity: 1998, 2000 Addenda (1998 through 2000 Addenda for Class MC and CC and their supports)

6. Identification of 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 Corrected, Removed, or Installed	Column 8 ASME Code Stamped (yes or no)
A	1-MCR-NV-0758	Duke Power	14962	N/A	N/A	N/A	☐ Repaired, ☑ Replaced, ☐ Replacement	☑ No ☐ Yes
B	1-MCR-NV-0758	Duke Power	14903	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

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

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

9. Remarks _____

(Applicable Manufacturer's Data Reports to be attached)

CERTIFICATE OF COMPLIANCE

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

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

Signed FL Grass Jr, QA Tech Specialist Date 10/4/2005
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of North Carolina and employed by HSB CT have inspected the components described in this Owner's Report during the period 9/28/05 to 10/4/05; and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of ASME Code, Section XI.

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

Jerome F Swan Commissions NC1524, N-I
Inspector's Signature National Board, State, Province and Endorsements

Date 10/4/05

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

As Required By The Provisions Of The ASME Code Section XI

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

1a. Date October 4, 2005
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 # : 98728079
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 Repair / Replacement Activity: 1998, 2000 Addenda (1998 through 2000 Addenda for Class MC and CC and their supports)

6. Identification of Components:

	Column 1	Column 2	Column 3	Column 4	Column 5	Col 6	Column 7	Column 8
	Name of Component	Name of Mfg	Mfg Serial No.	National Board No.	Other Identification	Year Built	Corrected, Removed, or Installed	ASME Code Stamped (yes or no)
A	1-MCR-NV-1032	Duke Power	20388	N/A	N/A	N/A	☐ Repaired, ☑ Replaced, ☐ Replacement	☑ No ☐ Yes
B	1-MCR-NV-1032	Duke Power	15865	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

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

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

9. Remarks _____

(Applicable Manufacturer's Data Reports to be attached)

CERTIFICATE OF COMPLIANCE

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

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

Signed FL Grass Jr,QA Tech Specialist Date 10/4/2005
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of North Carolina and employed by HSB CT have inspected the components described in this Owner's Report during the period 9/29/05 to 10/4/05 ; and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of ASME Code, Section XI.

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

Jerome F. Swan Jerome F Swan Commissions NC1524, N-I
Inspector's Signature National Board, State, Province and Endorsements

Date 10/4/05

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

As Required By The Provisions Of The ASME Code Section XI

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

1a. Date October 4, 2005
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 # : 98728080
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 Repair / Replacement Activity: 1998, 2000 Addenda (1998 through 2000 Addenda for Class MC and CC and their supports)

6. Identification of Components:

	Column 1	Column 2	Column 3	Column 4	Column 5	Col 6	Column 7	Column 8
	Name of Component	Name of Mfg	Mfg Serial No.	National Board No.	Other Identification	Year Built	Corrected, Removed, or Installed	ASME Code Stamped (yes or no)
A	1-MCR-NV-1047	Duke Power	15069	N/A	N/A	N/A	☐ Repaired, ☑ Replaced, ☐ Replacement	☑ No ☐ Yes
B	1-MCR-NV-1047	Duke Power	15064	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

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

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

9. Remarks _____

(Applicable Manufacturer's Data Reports to be attached)

CERTIFICATE OF COMPLIANCE

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

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

Signed FL Grass Jr, QA Tech Specialist Date 10/4/2005
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of North Carolina and employed by HSB CT have inspected the components described in this Owner's Report during the period 9/30/05 to 10/4/05; and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of ASME Code, Section XI.

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

Jerome F. Swan Jerome F Swan Commissions NC1524, N-I
Inspector's Signature National Board, State, Province and Endorsements

Date 10/4/05

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

As Required By The Provisions Of The ASME Code Section XI

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

1a. Date October 9, 2005
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 # : 98729513
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 Repair / Replacement Activity: 1998, 2000 Addenda (1998 through 2000 Addenda for Class MC and CC and their supports)

6. Identification of Components:

	Column 1	Column 2	Column 3	Column 4	Column 5	Col 6	Column 7	Column 8
	Name of Component	Name of Mfg	Mfg Serial No.	National Board No.	Other Identification	Year Built	Corrected, Removed, or Installed	ASME Code Stamped (yes or no)
A	1-NV-VA-8	Walworth	A0591	35	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 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 bolting material

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

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

9. Remarks _____

(Applicable Manufacturer's Data Reports to be attached)

CERTIFICATE OF COMPLIANCE

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

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

Signed FL Grass Jr, QA Tech Specialist Date 10/16/2005
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of North Carolina and employed by HSB CT have inspected the components described in this Owner's Report during the period 10/4/05 to 10/16/05 and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of ASME Code, Section XI.

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

Jerome F Swan Commissions NC1524, N-I
Inspector's Signature National Board, State, Province and Endorsements

Date 10/16/05

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

As Required By The Provisions Of The ASME Code Section XI

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

1a. Date 09/26/05
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 # : 98738791/01
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 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 Repair / Replacement Activity: 1998, 2000 Addenda (1998 through 2000 Addenda for Class MC and CC and their supports)

6. Identification of Components:

	Column 1	Column 2	Column 3	Column 4	Column 5	Col 6	Column 7	Column 8
	Name of Component	Name of Mfg	Mfg Serial No.	National Board No.	Other Identification	Year Built	Corrected, Removed, or Installed	ASME Code Stamped (yes or no)
A	1B Residual Heat Removal HX	Joseph Oats & Sons	2046-2A	636	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 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 nuts on bottom flange.

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

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

9. Remarks _____

(Applicable Manufacturer's Data Reports to be attached)

CERTIFICATE OF COMPLIANCE

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

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

Signed FR Sorrow FR Sorrow,QA Tech. Support Date 09/26, 2005
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of North Carolina and employed by HSB CT have inspected the components described in this Owner's Report during the period 9/7/05 to 9/26/05; and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of ASME Code, Section XI.

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

Jerome F Swan Jerome F Swan Commissions NC1524, N-I
Inspector's Signature National Board, State, Province and Endorsements

Date 9/26/05

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

As Required By The Provisions Of The ASME Code Section XI

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

1a. Date October 5, 2005
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 # : 98749281
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: 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 Repair / Replacement Activity: 1998, 2000 Addenda (1998 through 2000 Addenda for Class MC and CC and their supports)

6. Identification of Components:

	Column 1	Column 2	Column 3	Column 4	Column 5	Col 6	Column 7	Column 8
	Name of Component	Name of Mfg	Mfg Serial No.	National Board No.	Other Identification	Year Built	Corrected, Removed, or Installed	ASME Code Stamped (yes or no)
A	1-MCR-BB-0518	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 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 bolting material with threaded rod and nuts

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

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

9. Remarks _____

(Applicable Manufacturer's Data Reports to be attached)

CERTIFICATE OF COMPLIANCE

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

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

Signed FL Grass Jr, QA Tech Specialist Date 10/5/2005
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of North Carolina and employed by HSB CT have inspected the components described in this Owner's Report during the period 9/26/05 to 10/6/05; and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of ASME Code, Section XI.

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

Jerome F Swan Commissions NC1524, N-I
Inspector's Signature National Board, State, Province and Endorsements

Date 10/6/05

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

As Required By The Provisions Of The ASME Code Section XI

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

1a. Date 10/03/2005
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 # : 98749495/01
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: 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 Utilized for Repair / Replacement Activity: 1998, 2000 Addenda (1998 through 2000 Addenda for Class MC and CC and their supports)

6. Identification of Components:

	Column 1	Column 2	Column 3	Column 4	Column 5	Col 6	Column 7	Column 8
	Name of Component	Name of Mfg	Mfg Serial No.	National Board No.	Other Identification	Year Built	Corrected, Removed, or Installed	ASME Code Stamped (yes or no)
A	Valve 1NI-167	Kerotest	ADF6-1	5849	N/A	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 Seal welded bonnet to body

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

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

9. Remarks _____

(Applicable Manufacturer's Data Reports to be attached)

CERTIFICATE OF COMPLIANCE

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

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

Signed F.R. Sorrow,QA Tech Support Date 10/03, 2005
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of North Carolina and employed by HSB CT have inspected the components described in this Owner's Report during the period 9/21/05 to 10/3/05; and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of ASME Code, Section XI.

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

Jerome F. Swan Jerome F Swan Commissions NC1524, N-I
Inspector's Signature National Board, State, Province and Endorsements

Date 10/3/05

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

As Required By The Provisions Of The ASME Code Section XI

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

1a. Date October 9, 2005
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 # : 98749992
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: NI - Safety Injection

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 Repair / Replacement Activity: 1998, 2000 Addenda (1998 through 2000 Addenda for Class MC and CC and their supports)

6. Identification of Components:

	Column 1	Column 2	Column 3	Column 4	Column 5	Col 6	Column 7	Column 8
	Name of Component	Name of Mfg	Mfg Serial No.	National Board No.	Other Identification	Year Built	Corrected, Removed, or Installed	ASME Code Stamped (yes or no)
A	NI Piping System	Duke Power	N/A	42	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 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 bolting material in flange at 1NIFE5470.

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

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

9. Remarks _____

(Applicable Manufacturer's Data Reports to be attached)

CERTIFICATE OF COMPLIANCE

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

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

Signed FL Grass Jr,QA Tech Specialist Date 10/14/2005
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of North Carolina and employed by HSB CT have inspected the components described in this Owner's Report during the period 9/28/05 to 10/16/05; and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of ASME Code, Section XI.

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

Jerome F Swan Commissions NC1524, N-I
Inspector's Signature National Board, State, Province and Endorsements

Date 10/16/05

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

As Required By The Provisions Of The ASME Code Section XI

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

1a. Date October 12, 2005
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 # : 98751712
Repair Organization Job #

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

3b. NSM or MM #: ME100530

4. (a) Identification of System: RN - Nuclear Service Water

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 Repair / Replacement Activity: 1998, 2000 Addenda (1998 through 2000 Addenda for Class MC and CC and their supports)

6. Identification of Components:

	Column 1	Column 2	Column 3	Column 4	Column 5	Col 6	Column 7	Column 8
	Name of Component	Name of Mfg	Mfg Serial No.	National Board No.	Other Identification	Year Built	Corrected, Removed, or Installed	ASME Code Stamped (yes or no)
A	1-MCA-RN-H959	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 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 item# 8 by welding to item#7 per modification ME100530.

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

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

9. Remarks _____

(Applicable Manufacturer's Data Reports to be attached)

CERTIFICATE OF COMPLIANCE

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

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

Signed FL Grass Jr,QA Tech Specialist Date 10/12/2005
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of North Carolina and employed by HSB CT have inspected the components described in this Owner's Report during the period 10/12/05 to 10/12/05 ; and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of ASME Code, Section XI.

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

Jerome F Swan Commissions NC1524, N-I
Inspector's Signature National Board, State, Province and Endorsements

Date 10/12/05

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

As Required By The Provisions Of The ASME Code Section XI

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

1a. Date October 12, 2005
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 # : 98752538
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 Repair / Replacement Activity: 1998, 2000 Addenda (1998 through 2000 Addenda for Class MC and CC and their supports)

6. Identification of Components:

	Column 1	Column 2	Column 3	Column 4	Column 5	Col 6	Column 7	Column 8
	Name of Component	Name of Mfg	Mfg Serial No.	National Board No.	Other Identification	Year Built	Corrected, Removed, or Installed	ASME Code Stamped (yes or no)
A	1-MCR-NC-557	Duke Power	N/A	N/A	N/A	N/A	☐ Repaired, ☑ Replaced, ☐ Replacement	☑ No ☐ Yes
B	1-MCR-NC-557	Duke Power	N/A	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

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

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

9. Remarks _____

(Applicable Manufacturer's Data Reports to be attached)

CERTIFICATE OF COMPLIANCE

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

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

Signed FL Grass Jr, QA Tech Specialist Date 10/12/2005
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of North Carolina and employed by HSB CT have inspected the components described in this Owner's Report during the period 10/6/05 to 10/12/05; and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of ASME Code, Section XI.

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

Jerome F Swan Commissions NC1524, N-I
Inspector's Signature National Board, State, Province and Endorsements

Date 10/12/05

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

As Required By The Provisions Of The ASME Code Section XI

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

1a. Date 10/15/2005
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 # : 98753382/01
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: VI

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 Repair / Replacement Activity: 1998, 2000 Addenda (1998 through 2000 Addenda for Class MC and CC and their supports)

6. Identification of Components:

	Column 1	Column 2	Column 3	Column 4	Column 5	Col 6	Column 7	Column 8
	Name of Component	Name of Mfg	Mfg Serial No.	National Board No.	Other Identification	Year Built	Corrected, Removed, or Installed	ASME Code Stamped (yes or no)
A	1VI-149	KEROTEST	ADF7-11	6570	VALVE	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. Tests Conducted:Hydrostatic ☐ Pneumatic ☐ Nom. Operating Press. ☐ Other ☐ Exempt☒

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

9. Remarks _____

(Applicable Manufacturer's Data Reports to be attached)

CERTIFICATE OF COMPLIANCE

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

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

Signed F.R. Sorrow F.R. Sorrow,QA Tech Support Date 10/15, 2005
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of North Carolina and employed by HSB CT have inspected the components described in this Owner's Report during the period 10/12/05 to 10/15/05 and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of ASME Code, Section XI.

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

Jerome F. Swan Jerome F Swan Commissions NC1524, N-I
Inspector's Signature National Board, State, Province and Endorsements

Date 10/15/05

6.0 *Pressure Testing*

Table 6-1 shows the number of Class 1 (Category B-P), Class 2 (Category C-H), and Risk Informed Segment (Category R-A) pressure tests completed for refueling outage EOC 17. There was no through-wall leakage observed during any of the pressure tests.

Table 6-1 Outage Specific Summary

Examination Category	*Test Requirement*	*Total Completed EOC17*
B-P	System Leakage Test (IWB-5221)	1
C-H	System Leakage Test (IWC-5221)	14
R-A	Risk Informed VT-2 for Socket Welds	67 Segments

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

Table 6-2 Period Specific Summary

Examination Category	*Test Requirement*	*Total Examinations Required For This Period*	*Total Examinations Credited For This Period*	*(%) Examinations Complete For This Period*
B-P	System Leakage Test (IWB-5221)	3	3	100%
C-H	System Leakage Test (IWC-5221)	30	[1]19	63.33%
R-A	System Leakage Test	(67 Segments Each Refueling Outage)	201	100%

Section 6 Prepared By:	Date:
Jim Baughman	12/13/05

Section 6 Reviewed By:	Date:
[illegible]	12-13-05

The Class 1 (Category B-P) pressure test zone is required each refueling outage. Table 6-3 shows a completion status of the Class 1 (Category B-P) pressure test zone conducted during refueling cycle EOC 17.

Table 6-3 Detailed Class 1 Listing			
Zone Number	Boundary Dwg	EOC 17 Completion Status	EOC 17 VT-2 Examination Date
1NC-070L-A	MC-ISIL-1553-01.00	Complete	16-Oct-05
	MC-ISIL-1553-02.00	Complete	16-Oct-05
	MC-ISIL-1553-02.01	Complete	16-Oct-05
	MC-ISIL-1554-01.00	Complete	16-Oct-05
	MC-ISIL-1554-01.01	Complete	16-Oct-05
	MC-ISIL-1554-01.02	Complete	16-Oct-05
	MC-ISIL-1561-01.00	Complete	16-Oct-05
	MC-ISIL-1562-01.00	Complete	16-Oct-05
	MC-ISIL-1562-02.00	Complete	16-Oct-05
	MC-ISIL-1562-02.01	Complete	16-Oct-05
	MC-ISIL-1562-03.00	Complete	16-Oct-05
	MC-ISIL-1562-03.01	Complete	16-Oct-05

Class 2 (Category C-H) pressure test zones are required once each inspection period. Table 6-4 shows a completion status of Class 2 (Category C-H) pressure tests required for the first period of the third ten-year interval.

Table 6-4 Detailed Class 2 Period Listing				
	Zone Number	Boundary Dwg	Completion Status	VT-2 Examination Date
1	1BB-096L-B	MC-ISIL-1580-01.00	See Endnote [2]	
2	1BB-098L-B	MC-ISIL-1572-03.00	Completed in EOC17	16-Oct-05
		MC-ISIL-1580-01.00	Completed in EOC17	16-Oct-05
		MC-ISIL-1584-01.00	Completed in EOC17	16-Oct-05
3	1CA-006L-B	MC-ISIL-1592-01.00	Completed in EOC16	04-Apr-04
4	1CA-032L-B	MC-ISIL-1584-01.00	See Endnote [2]	
		MC-ISIL-1591-01.01	See Endnote [2]	
		MC-ISIL-1592-01.00	See Endnote [2]	
		MC-ISIL-1617-01.00	See Endnote [2]	

	Zone	Boundary Dwg	Completion Status	VT-2 Examination Date
5	1FW-027L-B	MC-ISIL-1554-03.00	See Endnote [2]	
		MC-ISIL-1554-03.01	See Endnote [2]	
		MC-ISIL-1561-01.00	See Endnote [2]	
		MC-ISIL-1562-03.00	See Endnote [2]	
		MC-ISIL-1563-01.00	See Endnote [2]	
		MC-ISIL-1571-01.00	See Endnote [2]	
6	1ND-019L-B	MC-ISIL-1554-01.02	Completed in EOC17	17-Nov-04
		MC-ISIL-1561-01.00	Completed in EOC17	17-Nov-04
		MC-ISIL-1562-03.00	Completed in EOC17	17-Nov-04
		MC-ISIL-1562-03.01	Completed in EOC17	17-Nov-04
		MC-ISIL-1563-01.00	Completed in EOC17	17-Nov-04
		MC-ISIL-1571-01.00	Completed in EOC17	17-Nov-04
		MC-ISIL-1572-01.00	Completed in EOC17	17-Nov-04
7	1ND-050L-B	MC-ISIL-1561-01.00	Completed in EOC17	05-Oct-04
		MC-ISIL-1562-03.01	Completed in EOC17	05-Oct-04
		MC-ISIL-1563-01.00	Completed in EOC17	05-Oct-04
8	1NI-021L-B	MC-ISIL-1562-02.00	Completed in EOC16	31-Mar-04
		MC-ISIL-1562-02.01	Completed in EOC16	31-Mar-04
		MC-ISIL-1572-01.01	Completed in EOC16	31-Mar-04
9	1NI-022L-B	MC-ISIL-1562-03.00	Completed in EOC17	04-Oct-04
		MC-ISIL-1562-03.01	Completed in EOC17	04-Oct-04
10	1NI-039L-B	MC-ISIL-1562-03.01	Completed in EOC15	19-Sep-02
11	1NI-053L-B	MC-ISIL-1562-03.00	Completed in EOC17	08-Feb-05
12	1NI-060L-B	MC-ISIL-1562-02.01	See Endnote [2]	
		MC-ISIL-1562-03.00	See Endnote [2]	
13	1NI-071L-B	MC-ISIL-1562-01.00	Completed in EOC17	29-Apr-04
14	1NI-074L-B	MC-ISIL-1562-03.00	Completed in EOC17	04-Oct-05
15	1NM-046L-B	MC-ISIL-1572-01.01	Completed in EOC16	31-Mar-04
16	1NS-023L-B	MC-ISIL-1563-01.00	Completed in EOC17	23-Sep-04

	Zone	Boundary Dwg	Completion Status	VT-2 Examination Date
17	1NS-024L-B	MC-ISIL-1563-01.00	Completed in EOC17	12-Aug-04
18	1NV-016L-B	MC-ISIL-1554-01.00	See Endnote [2]	
		MC-ISIL-1554-01.01	See Endnote [2]	
		MC-ISIL-1554-01.02	See Endnote [2]	
		MC-ISIL-1554-02.00	See Endnote [2]	
		MC-ISIL-1554-02.01	See Endnote [2]	
		MC-ISIL-1554-03.00	See Endnote [2]	
		MC-ISIL-1554-03.01	See Endnote [2]	
		MC-ISIL-1554-05.00	See Endnote [2]	
		MC-ISIL-1561-01.00	See Endnote [2]	
		MC-ISIL-1562-01.00	See Endnote [2]	
		MC-ISIL-1562-03.00	See Endnote [2]	
19	1NV-017L-B	MC-ISIL-1554-01.00	See Endnote [2]	
		MC-ISIL-1554-01.01	See Endnote [2]	
		MC-ISIL-1554-01.02	See Endnote [2]	
		MC-ISIL-1554-01.03	Completed in EOC17	16-Oct-05
20	1NV-018L-B	MC-ISIL-1554-01.02	See Endnote [2]	
21	1NV-020L-B	MC-ISIL-1554-01.02	Completed in EOC16	02-Apr-04
22	1NV-045L-B	MC-ISIL-1554-03.00	Completed in EOC17	21-Jan-05
23	1NV-051L-B	MC-ISIL-1554-03.01	See Endnote [2]	
24	1RN-004L-B	MC-ISIL-1574-04.00	Completed in EOC17	29-Aug-05
25	1RV-002L-B	MC-ISIL-1604-03.00	Completed in EOC17	29-Aug-05
26	1SA-035L-B	MC-ISIL-1593-01.02	Completed in EOC17	22-Sep-04
27	1SM-006L-B	MC-ISIL-1572-03.00	Completed in EOC17	08-Sep-05
		MC-ISIL-1591-01.01	Completed in EOC17	08-Sep-05
		MC-ISIL-1593-01.00	Completed in EOC17	08-Sep-05
		MC-ISIL-1593-01.03	Completed in EOC17	08-Sep-05
28	1SM-036L-B	MC-ISIL-1593-01.00	See Endnote [2]	
		MC-ISIL-1593-01.02	Completed in EOC17	08-Sep-05
		MC-ISIL-1593-01.03	See Endnote [2]	

	Zone	Boundary Dwg	Completion Status	VT-2 Examination Date
29	1SM-037L-B	MC-ISIL-1593-01.00	See Endnote [2]	
		MC-ISIL-1593-01.03	See Endnote [2]	
30	1YA-043L-B	MC-ISIL-1617-01.00	Completed in EOC17	18-Sep-05

Risk Informed Segments (Category R-A) that receive a pressure test are required each refueling outage. Table 6-5 shows a completion status of the Risk Informed Segment pressure test zones conducted during refueling cycle EOC 17.

Table 6-5 Detailed Risk Informed Pressure Test Listing

	Zone Number	Boundary Dwg	Segment Number	EOC 17 Completion Status	EOC 17 VT-2 Examination Date
1	1NC-070L-A	MC-ISIL-1553-01.00	NC-18	Complete	16-Oct-05
2			NC-19	Complete	16-Oct-05
3			NC-20	Complete	16-Oct-05
4			NC-21	Complete	16-Oct-05
5			NC-23	Complete	16-Oct-05
6			[3]NC-86	Complete	16-Oct-05
7			NC-89	Complete	16-Oct-05
8			NC-90	Complete	16-Oct-05
9		MC-ISIL-1553-02.00	NC-054	Complete	16-Oct-05
10			NC-055	Complete	16-Oct-05
11			NC-056	Complete	16-Oct-05
12		MC-ISIL-1554-01.00	NV-033A	Complete	16-Oct-05
13			NV-033B	Complete	16-Oct-05
14			NV-034A	Complete	16-Oct-05
15			NV-034B	Complete	16-Oct-05
16			NV-037	Complete	16-Oct-05
17			NV-038	Complete	16-Oct-05
18			NV-041A	Complete	16-Oct-05
19			NV-041B	Complete	16-Oct-05
20			NV-042A	Complete	16-Oct-05
21			NV-042B	Complete	16-Oct-05

	Zone Number	Boundary Dwg	Segment Number	EOC 17 Completion Status	EOC 17 VT-2 Examination Date
22	1NC-070L-A	MC-ISIL-1554-01.01	NV-030A	Complete	16-Oct-05
23			NV-030B	Complete	16-Oct-05
24			NV-032A	Complete	16-Oct-05
25			NV-032B	Complete	16-Oct-05
26			NV-035	Complete	16-Oct-05
27			NV-036	Complete	16-Oct-05
28			NV-039A	Complete	16-Oct-05
29			NV-039B	Complete	16-Oct-05
30			NV-040A	Complete	16-Oct-05
31			NV-040B	Complete	16-Oct-05
32		MC-ISIL-1562-01.00	NI-068	Complete	16-Oct-05
33			NI-069	Complete	16-Oct-05
34			NI-070	Complete	16-Oct-05
35			NI-071	Complete	16-Oct-05
36	1NV-016L-B	MC-ISIL-1554-01.00	NV-020H	Complete	18-Oct-05
37			NV-020F	Complete	18-Oct-05
38			NV-020GA	Complete	18-Oct-05
39		MC-ISIL-1554-01.01	NV-020AD	Complete	18-Oct-05
40			NV-020B	Complete	18-Oct-05
41			NV-020CA	Complete	18-Oct-05
42			NV-020D	Complete	18-Oct-05
43			NV-020EA	Complete	18-Oct-05
44		MC-ISIL-1554-03.00	[3]NV-019AA	Complete	18-Oct-05
45			NV-019B	Complete	18-Oct-05
46			NV-019D	Complete	18-Oct-05
47			NV-020AB	Complete	18-Oct-05
48			NV-020AC	Complete	18-Oct-05
59			NV-021A	Complete	18-Oct-05
50			NV-021B	Complete	18-Oct-05
51		MC-ISIL-1554-03.01	[4]NV-002AB	Complete	18-Oct-05
52			NV-002D	Complete	18-Oct-05
53			NV-019C	Complete	18-Oct-05
54			NV-019E	Complete	18-Oct-05
55	1NV-017L-B	MC-ISIL-1554-01.00	[5]NV-028	Complete	03-Nov-05
56			[5]NV-029	Complete	03-Nov-05
57		MC-ISIL-1554-01.01	[5]NV-026	Complete	03-Nov-05
58			[5]NV-027	Complete	03-Nov-05
59	1NV-018L-B	MC-ISIL-1554-01.02	NV-080A	Complete	16-Oct-05
60			NV-080B	Complete	16-Oct-05
61			NV-084A	Complete	16-Oct-05

	Zone Number	Boundary Dwg	Segment Number	EOC 17 Completion Status	EOC 17 VT-2 Examination Date
62	1NV-018L-B	MC-ISIL-1554-01.02	NV-084B	Complete	29-Nov-05
63			NV-084C	Complete	29-Nov-05
64	1NV-045L-B	MC-ISIL-1554-03.00	NV-002C	Complete	18-Oct-05
65			NV-108A	Complete	31-Oct-05
66			NV-109	Complete	31-Oct-05
67	1NV-051L-B	MC-ISIL-1554-03.01	[6]NV-011A	Complete	18-Oct-05

[1] All system pressure test requirements were met for the first inspection period. Some pressure tests were completed after EOC 17 but prior to December 1, 2005, the date ending the first period. Those pressure tests credited for the first period that are not listed in this summary report will be shown in the summary report for EOC 18.

[2] The first period completion status for this pressure test will be shown in the summary report for EOC 18.

[3] Part of this segment is also shown on drawing MC-ISIL-1554-03.01

[4] Part of this segment is also shown on drawing MC-ISIL-1562-03.00

[5] Part of this segment is also shown on drawing MC-ISIL-1554-01.03

[6] Part of this segment is also shown on drawings MC-ISIL-1554-03.01 and MC-ISIL-1562-01.00