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Duke Energy Corporation MG01VP / 12700 Hagers Ferry Road Huntersville, NC 28078

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July 9, 2008

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

SUBJECT: Duke Energy Carolinas, LLC (Duke)

McGuire Nuclear Station - Unit 2

Docket No. 50-370

Inservice Inspection Report

Attached is the Inservice Inspection Report for the end of cycle 18 (EOC-18) refueling outage for McGuire Nuclear Station (MNS), Unit 2. Attachment No. 1 is the Inspection Report performed in accordance with the last outage of the First Inspection Period of the Third 10-Year Inservice Inspection Interval.

#### Reportable Indications

One reportable indication was found on 2RCHP-IN during the RT examination. Plan addenda 2MNS-034 was written to schedule one additional sample examination using ASME Section XI, IWC-2430 requirements of the 1998 Edition of ASME Section XI with the 2000 Addenda. The additional sample was scheduled and performed during EOC-18 and found to be acceptable. The reportable indication found during the RT examination was repaired. No code surveillance inspections are required because the indication was repaired and found acceptable on 4-13-08.

Section 4.4 of the attached report lists the limited examination item numbers. A relief request is under development and will be submitted to the NRC for review and approval to address weld limitations found during this outage.

This letter and attachments do not contain any new NRC commitments.

ANTA

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Questions regarding the attached report may be directed to Kay L. Crane at (704) 875-4306.

**Bruce Hamilton** 

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

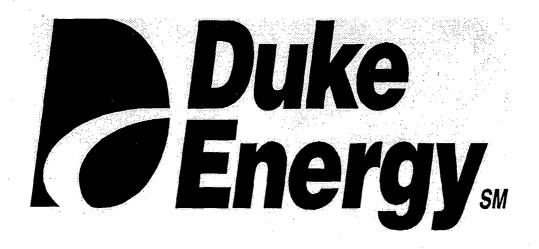
John Stang U. S. Nuclear Regulatory Commission Office of Nuclear Reactor Regulation Mail Code Washington, DC 20555-0001

Joe Brady NRC Senior Resident Inspector McGuire Nuclear Station U. S. Nuclear Regulatory Commission July 9, 2008 Page 4

bxc: EC050-ELL RGC File

# INSERVICE INSPECTION REPORT

# Duke Energy Carolinas McGuire Nuclear Station Unit 2 Eighteenth Refueling Outage



### FORM NIS-1 OWNER'S REPORT FOR INSERVICE INSPECTIONS As required by the Provisions of the ASME Code Rules

1.	. Owner: <u>Duke Energy Carolinas, 526 S. Church St., Charlotte, NC 28201-1006</u> (Name and Address of Owner)					
2.	Plant: McGuire Nuclear Station, 12700 Hager's Ferry Road Huntersville, N.C. 28078 (Name and Address of Plant)					
3.	Plant Unit:	<u>2</u> 4. Owne	er Certificate of Aut	thorization (if requ	uired) <u>N/A</u>	
5.	Commercial S	Service Date: <u>Marc</u>	ch 1, 1984 6. Nati	onal Board Numb	er for Unit <u>84</u>	
7.	Components	Inspected:				
	Component or Appurtenance	Manufacturer or Installer	Manufacturer or Installer Serial No.	State or Province No.	National Board No.	
	,	See Sect	tion 1.1 in the Attach	ed Report		
					· .	

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.

Total number of pages contained in this report 282

FOF	RM NIS-1 (Back)	
8.	Examination Dates November	12, 2006 to April 13, 2008
j.	Inspection Period Identification:	Second Period
10.	Inspection Interval Identification:	Third Interval
11.	Applicable Edition of Section XI	1998 Addenda <u>2000</u>
12.	Date / Revision of Inspection Plan:	June 20, 2006 /Revision 2
13.	Abstract of Examinations and Tests. In status of work required for the Inspection	nclude a list of examinations and tests and a statement concerning on Plan.  See Sections 2.0, 3.0 and 6.0
14.	Abstract of Results of Examinations an	d Tests. See Section 4.0 and 6.0
15.	Abstract of Corrective Measures.	See Subsection 4.3
Insp		s report are correct b) the examinations and tests meet the ode, Section XI, and c) corrective measures taken conform to the
Cert	ificate of Authorization No. (if applicable)	N/A Expiration Date N/A
Date	Signed [	Duke Energy By
	JUNE 25, 2008	Owner Weight
Insp desc best mea	CERTIFICA  e undersigned, holding a valid commission ectors and the State or Province of North cribed in this Owner's Report during the port of my knowledge and belief, the Owner	Owner
Insp desc best mea ASM By s cond neith	CERTIFICA  e undersigned, holding a valid commission ectors and the State or Province of North cribed in this Owner's Report during the p of my knowledge and belief, the Owner sures described in this Owner's Report in E Code, Section XI.  igning this certificate neither the Inspector	Owner  TE OF INSERVICE INSPECTION  on issued by the National Board of Boiler and Pressure Vessel on Carolina employed by * HSBCT have inspected the components period November 12, 2006 to April 13, 2008 and state that to the has performed examinations and tests and taken corrective in accordance with the Inspection Plan and as required by the performed examinations are performed by the cornor his employer makes any warranty, expressed or implied, ective measures described in this Owner's Report. Furthermore, the liable in any manner for any personal injury or property damage.
Insp desc best mea ASM By s cond neith	ce undersigned, holding a valid commission ectors and the State or Province of North cribed in this Owner's Report during the professories of my knowledge and belief, the Owner sures described in this Owner's Report in the Code, Section XI.  Igning this certificate neither the Inspector error the Inspector nor his employer shall be loss of any kind arising from or connected the Inspector's Signature  Commissions Inspector's Signature	Owner  TE OF INSERVICE INSPECTION  on issued by the National Board of Boiler and Pressure Vessel on Carolina employed by * HSBCT have inspected the components period November 12, 2006 to April 13, 2008 and state that to the has performed examinations and tests and taken corrective in accordance with the Inspection Plan and as required by the or nor his employer makes any warranty, expressed or implied, ective measures described in this Owner's Report. Furthermore, be liable in any manner for any personal injury or property damage and with this inspection

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#### OWNER'S REPORT FOR INSERVICE INSPECTIONS

#### **MCGUIRE UNIT 2**

## 2008 REFUELING OUTAGE 3 / EOC 18 (Third Interval)

Plant Location: McGuire Nuclear Station 12700 Hager's Ferry Road

Huntersville, North Carolina 28078 - 9340

NRC Docket No. 50-370

National Board No. 84

Commercial Service Date: March 1, 1984

Document Completion Date: 7-1-2008

Owner: Duke Energy Carolinas

526 South Church Street Charlotte, N.C. 28201-1006

#### Revision 0

Prepared By:	Jany & Widenwood	Date	6-11-2008
Reviewed By:	darry Co Keith	Date	6-11-08
Approved By:	Mente	Date	6-25-08

#### **DISTRIBUTION LIST**

- Duke Energy Carolinas
   Nuclear Technical Services Division
   Section XI Inspection Program Section
- McGuire
   Inspection Services
   (ISI Coordinator)
- 3. NRC Document Control Desk
- 4. HSBCT (AIA) c/o ANII at McGuire
- 5. State of North Carolina Department of Labor c/o J. M. Givens, Jr.

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5.0	Owner's Report for Repair / Replacement Activities	0
6.0	Pressure Testing	0

#### 1.0 General Information

This report describes the Inservice Inspection of Duke Energy Carolina's McGuire Nuclear Station Unit 2 during Outage 3 / EOC18. This is the first Outage of the Second Inspection Period of the Third Ten-Year Interval. ASME Section XI, 1998 Edition with 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 the Repair / Replacement Section included for completed NIS-2 documentation of repairs and replacements.

#### 1.1 Identification Numbers

ltem	Manufacturer or Installer	Manufacturer or Installer Serial No.	State or Province No.	National Board No.
Reactor Vessel	Rotterdam	30664	NC-201819	
Pressurizer	Westinghouse	1491	NC-201818	W10285
Steam Generator 2A	BWI	7700-02	NC-302674	159
Steam Generator 2B	BWI	7700-04	NC-302675	161
Steam Generator 2C	BWI	7700-01	NC-302676	158
Steam Generator 2D	BWI	7700-03	NC-302677	160
Centrifugal Charging Pump	Pacific Pumps	2A - 48584 2B - 48585	N/A	25 28
Containment Spray Heat Exchanger	Delta Southern Co. Joseph Oat & Sons, Inc.	2A-35005-73-3 (2B) 2514	NC-234203 NC-201822	3396 5765
Excess Letdown Heat Exchanger	Westinghouse	1810	NC-234264	1555
Letdown Heat Exchanger	Joseph Oat & Sons, Inc.	2049-2B	NC-201842	553
Reciprocating Charging Pump	Union Pump Co.	N7210318-604	N/A	N/A

#### 1.1 <u>Identification Numbers</u> (Continued)

	A4 4	Manufacturer	01.1	National
ltem	Manufacturer or Installer	or Installer Serial No.	State or Province No.	Board No.
Reactor Coolant Pump	Westinghouse	2A 5-114E841G02 2B 6-114E841G02 2C 7-114E841G02 2D 8-114E841G02	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-2409.20	N/A	75220
Residual Heat Removal Heat Exchanger	Joseph Oat & Sons, Inc.	2A 2046-2C 2B 2046-2D	NC-169800 NC-201823	637 638
Safety Injection Pump	Pacific Pumps	2A 49357 2B 49358	N/A	130 131
Regenerative Heat Exchanger	Joseph Oat & Sons, Inc.	2047-2B	NC-201817	628 629 630
Seal Water Heat Exchanger	Atlas Industrial Manufacturing Company	1767	NC 201827	1549
Seal Water Injection Filter	AMF Cuno	2A - 20 2B - 22	N/A	4364 4365
Main Steam Supply to Auxiliary Equipment System	Duke Power Co.	SA	N/A	62
Containment Air Release and Addition System	Duke Power Co.	VQ	N/A	56
Main Steam System	Duke Power Co.	SM	N/A	70
Main Steam Vent to Atmosphere System	Duke Power Co.	SV	N/A	67
Reactor Coolant System	Duke Power Co.	NC	N/A	82

#### 1.1 <u>Identification Numbers</u> (Continued)

Item	Manufacturer or Installer	Manufacturer or Installer Serial No.	State or Province No.	National Board No.
Liquid Waste Recycle System	Duke Power Co.	WL	N/A	76
Refueling Water System	Duke Power Co.	FW	N/A	54
Auxiliary Feedwater System	Duke Power Co.	CA	N/A	73
Residual Heat Removal System	Duke Power Co.	ND	N/A	63
Nuclear Service Water System	Duke Power Co.	RN	N/A	60
Chemical & Volume Control System	Duke Power Co.	NV	N/A	80
Component Cooling System	Duke Power Co.	кс	N/A	78
Main Feedwater System	Duke Power Co.	CF	N/A	61
Containment Spray System	Duke Power Co.	NS	N/A	69
Containment Ventilation Cooling Water System	Duke Power Co.	RV	N/A	72
Safety Injection System	Duke Power Co.	NI	N/A	83
Diesel Generator Engine Cooling Water System	Duke Power Co.	KD	N/A	47
Spent Fuel Cooling System	Duke Power Co.	KF	N/A	81
Diesel Generator Engine Lube Oil System	Duke Power Co.	LD	N/A	51
Unit 2	Duke Power Co.	N/A	N/A	84

#### 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 the 1998 Edition with the 2000 Addenda through the Performance Demonstration Initiative (PDI) for Supplements 2, 3, 4, 6, 8, and 10. Preservice examinations of weld overlays were conducted in accordance with Code Case N-504-2 including non-mandatory Appendix Q.

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 Carolina's Corporate Office in Charlotte, North Carolina.

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

- Code Case N-460 (Applicable to items in this report where less than 100% coverage of the required weld examination volume was achieved.) These items are identified on Inspection Results that are located in Section 4.0 of this report.
- 2. Problem Investigation Process M-07-0323 and M-08-1192 (Covers categorizing Containment Spray Heat Exchanger Support Lugs M2.D1.10.0023).
- 3. Problem Investigation Process M-08-2342 and M-08-3061 (Covers inspection discrepancies and limitation for hanger 2MCR-NC-4292 (M2.F1.10.0003).
- 4. Problem Investigation Process M-08-1705 (Covers rejectable indications and limitations on 2RCHP-IN (M2.R1.11.0279). Addresses additional sample of 2RCHPSS-OUT-1 (M2.R1.11.0278).
- 5. RFR 03-002 (Class 1, 2 and 3 snubber examination under station technical specification)

- 6. RFR 01-005 (Risk Informed Inservice Inspection Program Submittal)
- 7. RFR 01-008 (Risk Informed ISI Alternative to Use VT-2 Instead of Volumetric Examination of Socket Welds)

#### 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

Hartford Steam Boiler of Connecticut (HSBCT) is responsible for the third party inspections required by ASME Section XI.

#### **Authorized Nuclear Inservice Inspector(s)**

Name: -

J.F. Swan

Employer:

**HSBCT** 

Business

200 Ashford Center North

Address:

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 Edition of ASME Section XI with 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, Elective, 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 2. 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	<sup>1</sup> Deferral Allowed
B-A	Pressure Retaining Welds in Reactor Vessel	15	3	20.00%	Yes
B-B	Pressure Retaining Welds in Vessels Other than Reactor Vessel	5	1	20.00%	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	241	89	36.92%	Yes
B-G-2	Pressure Retaining Bolting 2" and Less in Diameter	22	8	36.36%	No

#### Class 1 Inspections (Continued)

Examination Category	Description	Inspections Required	Inspections Completed	Percentage Completed	<sup>1</sup> Deferral Allowed
B-J	Pressure Retaining Welds in Piping	Reference Risk Informed Program R01. Items			No.
В-К	Welded Attachments for Vessels, 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	<b>1</b> ;	0	00.00%	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	9	3	33.33%	Yes
B-N-1	Interior of Reactor Vessel	3	2	66.66%	No
B-N-2	Welded Core Support Structures and Interior Attachments to Reactor Vessel	2	0	00.00%	Yes
B-N-3	Removable Core Support Structures	1	0.	00.00%	Yes
B-O	Pressure Retaining Welds in Control Rod Housings	3	1	33.33%	Yes
В-Р	All Pressure Retaining Components	REFERENCE SECTION 6.0 OF THIS REPORT			PORT
B-Q	Steam Generator Tubing	See Note below			
F-A F01.010	Class 1 Component Supports (Code Case N-491)	58	26	44.82%	No

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

McGuire Unit 2 Outage 3/EOC-18 Section 2 Page 2 of 5 Revision 0 June 11, 2008

#### **Class 2 Inspections**

Examination Category	Description	Inspections Required	Inspections Completed	Percentage Completed	Deferral Allowed
C-A	Pressure Retaining Welds in Pressure Vessels	28	*3	*10.71%	No
C-B	Pressure Retaining Nozzle Welds in Vessels	11	5	45.45%	No
C-C	Welded Attachments for Vessels, Piping, Pumps and Valves	17	8	47.05%	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	7	4	57.14%	No
С-Н	All Pressure Retaining Components	REFERENCE SECTION 6.0 OF THIS REPORT			
F-A F01.020	Class 2 Component Supports (Code Case N-491)	229	109	47.59%	No

<sup>\*</sup> Seven (7) welds were scheduled for examination in period one and three (3) were examined. The four (4) that were not examined were welds in the Regenerative Heat Exchanger. In previous intervals, relief from examination of these welds was granted based on hardship associated with radiation exposure. A similar relief request may be submitted for this interval or, alternatively, these welds may be eliminated from scope using Code Case N-706.

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

#### Additional Component Support Examinations Class 1, 2 and 3

Examination Category	Description	Inspections Required	Inspections Completed	Percentage Completed	Deferral Allowed
F-A F01.040	Supports other than Piping Supports Class 1, 2 & 3	42	22	52.38%	No
F-A F01.050	Component Supports Snubbers Class 1, 2 & 3			*	No

<sup>\*</sup>Inspections to be performed per Relief Request 03-002

#### Risk Informed Inservice Inspection Program Class 1 and 2

Examination	Description	Inspections	Inspections	Percentage	Deferral
Category		Required	Completed	Completed	Allowed
R-A	Piping Examinations Class 1 and 2	89	37	41.57%	No

#### Weld Overlay Section XI Appendix Q

Examination	Description	Inspections	Inspections	Percentage	Deferral
Category		Required	Completed	Completed	Allowed
M2.Q1.1	Weld Overlay	6	6	100%	<sup>1</sup> No

#### **Augmented / Elective Inspections**

Summary Number	Description	Percentage Complete
M2.G1.1	Reactor Coolant Pump Flywheels	100% of Outage 3/EOC-18 Requirements Met
M2.G2.1	RPV Closure Head Studs and Nuts per Nuclear Guide 1.65	No examinations required for Outage 3/EOC-18
M2.G3.1	Pipe Rupture Protection	100% of Outage 3/EOC-18 Requirements Met
M2.G5.1	RPV Head Penetration Nozzles	No examinations required for Outage 3/EOC-18
M2.G5.2	RPV Vent Line	No examinations required for Outage 3/EOC-18

#### **Augmented / Elective Inspections Continued**

Summary Number	Description	Percentage Complete
M2.G6.2	Pressurizer Manway	100% of Outage 3/EOC-18 Requirements Met

#### 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:

SUMMARY NUMBER = ASME Section XI Tables IWB-2500-1

(Class 1), IWC-2500-1 (Class 2), IWF-2500-1

(Class 1 and Class 2), Augmented

Requirements

ID NUMBER = Unique Identification Number

SYS = Component System Identification

ISO / DWG NUMBERS = Location and / or Detail Drawings

PROC = Examination Procedures

INSP REQ = Examination Technique – Magnetic Particle,

Dye Penetrant, etc.

MAT/ SCH = General Description of Material

DIA / THICK = Diameter / Thickness

CAL BLOCKS = Calibration Block Number

COMMENTS = General and / or Detail Description

#### DUKE ENERGY

#### NUCLEAR TECHNICA SERVICES

#### Inservice Inspection Database Management System **Plan Report**

McGuire 2, 3rd Interval, Outage 3 (EOC-18)

rs Procedure	Insp Req	Mat	Sched Thick/Dia	Cal Blocks Comments / Historical Data
				G01.001.004, G01.001.004 <i>A</i>
NDE-900 SIN3-	UT	cs	0.000 / 0.000	REACTOR COOLANT PUMP FLYWHEEL Component AUGMENTED EXAMINATION. REFERENCE NRC LETTER DATED AUGUST 5, 2004
•				AMENDMENT NO. 205 TO RÉNEW FACILITY OPERATING LICENSE NPF-17. THIS AMENDMENT REVISES TS 5.5.7 REACTOR COOLANT PUMP FLYWHEEL INSPECTION PROGRAM TO INCREASE THE INSPECTION INTERVAL FROM 10 TO NOT EXCEED 20 YEARS. PER NOTE FROM STEVE ROSENAU DATED 109/29/2004 THE SCHEDULE IS AS FOLLOWS: 2RCP-2A WILL BE DONE 2EOC- 24, LAST UT EXAM 3/28/1999 (ON 2A PUMP), 2RCP-2B WILL BE DONE 2EOC-22, LAST UT EXAM 1/1/1996 (ON 1D PUMP), 2RCP-2C WILL BE DONE 2EOC-24, LAST UT EXAM 9/23/1999 (ON 1C PUMP), 2RCP-2D WILL BE DONE 2EOC-24, LAST UT EXAM 6/10/1998 (ON 1B PUMP) IT SHOULD BE NOTED THAT THE FLYWHEELS HAVE BEEN MOVED AROUND AND EXAMINATION DATE MAY NOT APPLY TO THE CURRENT PUMP
	•			

2RCP-2D was examined EOC-18 (2008). The 20 year examination date will be rescheduled to start from this inspection date.

REPLACEMENT AND THE SCHEDULE WILL BE RECALCULATED FOR THE NEW 20 YEAR

REMOVAL, PSI DONE ON THE

**EXAMINATION DATE.** 

2EOC-22 (3RD INTERVAL) WILL BE PART OF THE FOURTH INTERVAL AND THEY MUST BE INCLUDED WHEN THE ISI PLAN IS WRITTEN. NOTE: ANY REACTOR COOLANT PUMP REMOVED FROM SERVICE BEFORE THIS TIME SHOULD BE EXAMINED BEFORE

**ScheduleWorks** 

McGuire 2, 3rd Interval, ou

	ary Num ent ID / Type	System	ISO/DWG Numbers	Procedure	Insp Req	Mat	Sched Thick/Dia	Cal Blocks	Comments / Historical Data
<u>Category</u>	AUG								
M2.G3.1.	.0001					·····			G03.001.004,
2NC2FW	199 7	NC	MCFI-2NC22	NDE-35	PT	SS	1.000 / 10.000		G03.001.004A
Circumfe		Class 1	MC-ISIN3-2553-01.00	MDE-33	, FI	33	1.000 / 10.000		AUGMENTED EXAMINATION. REFERENCE DOCUMENT SRG-78-001 REV.2 (DISTRIBUTION CODE MADM-257). SEE SECTION 8 FOR CALIBRATION BLOCK REQUIREMENTS.
			· · · · · · · · · · · · · · · · · · ·				Pipe to Elbow		
M2.G3.1.	.0001								G03.001.004, G03.001.004A
2NC2FW	/22-7	NC	MCFI-2NC22 MC-ISIN3-2553-01.00	PDI-UT-2	UT /	SS	1.000 / 10.000	Component PDI-UT-2-M	DOCUMENT SRG-78-001 REV.2
Circumfe	rential .	Class 1	·						(DISTRIBUTION CODE MADM-257). SEE SECTION 8 FOR CALIBRATION BLOCK REQUIREMENTS.
	,						Pipe to Elbow		
M2.G6.2.	.0001								
2PZR-Ma	anway	NC Class 1	MCM 1201.01-140	NDE-68	VT-2				Pressurizer Manway Diaphram Seal Weld. Bare Metal Visual Exam by VT-2 qualified Inspector. Examine the gap between the Pressurizer Manway Cover and Manway for evidence of diaphram plate seal weld leakage. (For responsible Individual, contact J.M. Shuping, Alloy 600 Engineer Nuclear Technical Services). Reference NRC Bulletin 2004-01.
						-	Pressurizer Manway		
Category	<u>B-D</u>						·		
M2.B3.14	40.0005				~		70-1 - 10-11 - 10-11 - 10-11 - 10-11 - 10-11 - 10-11 - 10-11 - 10-11 - 10-11 - 10-11 - 10-11 - 10-11 - 10-11 -		B03.140.005
2SGC-IN Circumfe			MCM 2201.01-0216 MCM 2201.01-0207	NDE-680	UT	CS	6.500 / 0.000	50235	STEAM GENERATOR 2C INLET NOZZLE TO LOWER HEAD. Y1-X2 QUADRANT. (INSIDE RADIUS SECTION).
i							Nozzle To Head		•
M2.B3.14	40.0006								B03.140.006
2SGC-O	UTLET	NC Class 1	MCM 2201.01-0216 MCM 2201.01-0207	NDE-680	UT	cs	6.500 / 0.000	50235	STEAM GENERATOR 2C OUTLET NOZZLE TO LOWER HEAD. Y2-X2 QUADRANT. (INSIDE RADIUS SECTION).
•	. •	i				-	Nozzle To Head		

O			Me		3rd Interval, ou	3 (EOC-18)	
Summary Num Component ID / Type	System	ISO/DWG Numbers	Procedure	Insp Req	Mat	Sched Thick/Dia	Cal Blocks Comments / Historical Data
Category B-G-2							
M2.B7.20.0001							B07.020.001
2PZR-MWB	NC Class 1	MCM 2201.01.015 MC-ISIN-2553-02.00 MCM 1201.01-0048	NDE-62	VT-1	cs	7.500 / 1.875	PRESSURIZER MANAWAY BOLTING (16 BOLTS). EXAMINE ALL BOLTING MATERIAL. Bolting may be examined in place.
M2.B7.50.0001							. B07.050.001
2NC53-FL1	NC Class 1	MCFI-2NC53 MC-ISIN3-2553-02.00	NDE-62	VT-1	SS	8.000 / 1.375	FLANGE BOLTING (12 STUDS). BOLT SIZE DETERMINED USING MP/0/A/7650/01 ENCLOSURE 13.2. EXAMINE ALL fLANGE BOLTING MATERIAL. Bolting may be examined in place.
M2.B7.50.0002					<del>- ·· · · · · · · · · · · · · · · · · · </del>		B07.050.002
2NC53-FL2	NC Class 1	MCFI-2NC53 MC-ISIN3-2553-02.00	NDE-62	VT-1	SS	8.000 / 1.375	FLANGE BOLTING (12 STUDS). BOLTING SIZE DETERMINED USING MP/0/A/7650/01 ENCLOSURE 13.2. EXAMINE ALL FLANGE BOLTING MATERIAL. Bolting may be examined in place.
M2.B7.50.0003							B07.050.003
2NC53-FL3	NC Class.1	MCFI-2NC53 MC-ISIN3-2553-02.00	NDE-62	VT-1	SS	8.000 / 1.375	FLANGE BOLTING (12 STUDS). BOLTING SIZE DETERMINED USING MP/0/A/7650/01 ENCLOSURE 13.2. EXAMINE ALL FLANGE BOLTING MATERIAL. Bolting may be examined in place.
Category B-K							
M2.B10.10.0002							B10.010.002
2PZR-W13A		MCM 2201.01-16 MC-ISIN3-2553-02.00 MCM 1201.01-0048	NDE-25	MT	CS	4.000 / 4.000	WELDED ATTACHMENT. PRESSURIZER SEISMIC LUG TO SHELL. Y-Z QUADRANT. PT MAY BE USED IN PLACE OF MT IF NECESSARY
						SEISMIC LUG to SHELL	
M2.B10.10.0003		,	·				B10.010.003
2PZR-W13B	NC Class 1	MCM 2201.01-16 MC-ISIN3-2553-02.00 MCM 1201.01-0048	NDE-25	MT	CS	4.000 / 4.000	WELDED ATTACHMENT. PRESSURIZER SEISMIC LUG TO SHELL. X-Y QUADRANT. PT may be used in place of MT if necessary.
						SEISMIC LUG to SHELL	

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Summary Num Component 1D / Type	System	iSO/DWG Numbers	Procedure	Insp Req	Mat	Sched Thick/Dia	Cal Blocks Comments / Historical Data	
Category B-M-2			•					
M2.B12.50.0024								050.006E
2NI-175	NI Class 1	MCFI-2NI114 MC-ISIN3-2562-03.01 MCM 1205.00-0005	NDE-64	VT-3	SS	0.000 / 6.000	GROUP 7. 6" CRANE-ALOYCO CHEC VALVE. INSPECT ONE OF THE FOLI VALVES IN GROUP 7: 2NI-126, 2NI-1 852, 2NI-853, 2NI-175, 2NI-176, AND 2 ONLY IF DISASSEMBLED FOR	LOWING 134, 2NI-
	٠.						MAINTENANCE, REPAIR, OR VOLUM EXAMINATION. Group 7 has been completed for the Th Interval	
M2 D42 50 0026								
M2.B12.50.0026				-				050.007A .050.0074
2NI-180	NI Class 1	MCFI-2N115 MC-ISIN3-2562-03.01 MCM 1205.36-0028	NDE-64	VT-3	SS	0.000 / 6.000	GROUP 8. 6" WESTINGHOUSE SWIN CHECK VALVE. INSPECT THE FOLL VALVE IN GROUP 8: 2NI-180 ONLY II DISASSEMBLED FOR MAINTENANCE	OWING F
							REPAIR, OR VOLUMETRIC EXAMINA Group 8 has been completed for the Th Interval	TION.
Category B-N-1			•	•				
M2.B13.10.0001	,					,	B1	3.010.00
2RPV-INTERIOR	NC Class 1	MCM 2201.01-0001 MC-ISIN3-2553-01.00	NDE-63	VT-3	SS	0.000 / 0.000	REACTOR VESSEL INTERIOR. AREA BE EXAMINED SHALL INCLUDE THE SPACES ABOVE AND BELOW THE REACTOR CORE THAT ARE MADE	
at the second of			,				ACCESSIBLE FOR EXAMINATION BY REMOVAL OF COMPONENTS DURIN	IG
	: '			***			NORMAL REFUELING OUTAGES. IN EACH INSPECTION PERIOD. THIS EXAMINATION WAS PERFORM THE SECOND INTERVAL PER RFR 0	IED FOR
	· .						EXAMINATION ALSO PERFORMED F 2EOC-16/OUTAGE 1, WILL REPORT I WILL NOT COUNT FOR PERCENTAGE	BUT
•							PURPOSE. EXAMINATION WILL BE PERFORMED 2EOC-17/OUTAGE 2 AI REPORT FOR PERCENTAGES AT TH	
Category C-B				,		•		
M2.C2.11.0005		•		· · · · · · · · · · · · · · · · · · ·			C0	02.011.00
2RCHPSS-INLET Circumferential	NV Class 2	MCM 1201.04-272 MC-ISIN3-2554-03.00	NDE-35	PT.	SS	0.375 / 4.000	RECIPROCATING CHARGING PUMP SUCTION STABLIZER.	
			•			Inlet Nozzle to SHELL		

	Summary Num			M	cGuire 2 Insp	2, 3rd Interval,	ou 3 (EOC-18)	
	Component ID / Type	System	ISO/DWG Numbers	Procedure		Mat	Sched Thick/Dia	Cal Blocks Comments / Historical Data
	Category C-B					•		
	M2.C2.11.0006							C02.011.002
	2RCHPSS-OUTLET Circumferential	NV Class 2	MCM 1201.04-272 MC-ISIN3-2554-03.00	NDE-35	PT .	SS	0.375 / 4.000	RECIPROCATING CHARGING PUMP SUCTION STABLIZER.
	Category C-C			4			Outlet Nozzle to SHELL	
	M2.C3.10.0008	<del></del>		<del></del>			AT	C03.010.003
	2NSHX-SUPPORT-2B	NS Class 2	MCM 1201.06-0090 MC-ISIN3-2563-01.00 MCM 1201.06-093	NDÉ-35	PT	SS	0.750 / 0.000	Containment Spray Heat Exchanger 2B Support Welded Attachment. With Heat Exchangers 2A and 2B being manfactured by two different vendors using two different designs, we will
					,			examine both to meet Class 2 requirements.  This surface exam will include the base metal and weld surfaces of the seismic lugs, stiffening ring (around the entire periphery of the heat exchanger), and heat exchanger exterior
					·		· •	surface, including welds within the lug and stiffening ring, that lie within the surface examination boundaries shown in Figure IWC-2500-5. Reference PIPS M-07-00323, M-08-1192 and Work Request #947475.
	· · · · · · · · · · · · · · · · · · ·		· · · · · · · · · · · · · · · · · · ·			<u> </u>		TTOE WING WORK TROUBERT TO THE TOTAL THE TOTAL TO THE TOTAL THE TOTAL TO THE TOTAL THE TOTAL TO THE TOTAL TOT
	M2.C3.10.0009						•	C03.010.004
	2SWIF-SUPPORT-2B	NV Class 2	MCM 1201.04-27 MC-ISIN3-2554-03.00 MC-1223-1	NDE-35	PT	SS	0.375 / 0.000	SEAL WATER INJECTION FILTER 2B SUPPORT. WELDED ATTACHMENT.
_	M2.C3.20.0026						· · · · · · · · · · · · · · · · · · ·	C03.020.051
	2MCA-NV-5647 Mech Snubber	NV Class 2	MCSRD-2ND-350/sht. 7 MC-ISIN3-2554-03.01	NDE-35	PT	SS	0.125 / 8.000	WELDED ATTACHMENT. INSPECT WITH M2.F1.20.0119
			2MCA-NV-5647			~	•	
	•		•				Mech Snubber	·.
	Category C-G		•					
	M2.C6.20.0029							C06.020.001A
	2CF0026AB-1	CF	MCM 1205.23-0004	NDE-35	PT	CS	0.000 / 16.000	ITEM # FWI-003. INSPECT ONE VALVE IN
	Circumferential	Class 2	MC-ISIN3-2591-01.01					THIS GROUP (1A-1D) PER INTERVAL. PT may be used in place of MT if necessary.
							Valve Body To Valve Body	· · · · · · · · · · · · · · · · · · ·
	M2.C6.20.0047							. C06.020.004A
	2ND0070-1 Circumferential	ND Class 2	MCM 2205.00-0005 MC-ISIN3-2561-01.00	NDE-35	PT	SS	0.477 / 8.000	ITEM # 9D-216. INSPECT ONE VALVE IN THIS GROUP (4A-4D) PER INTERVAL.
					•		Valve Body To Valve Body	
_								

McGuire 2, 3rd Interval, ou

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Summary Num Component ID / Type	System	n ISO/DWG Numbers	Procedure	Insp Req	Mat	Sched Thick/Dia	Cal Blocks Comments / Historical Data
Category D-A							·
M2.D1.10.0022 2NDHX-SUPPORT-2A	ND Class 3	MCM 1201.06-22 MC-ISIN3-2561-01.00 MCM 1201.06-48, MC 1220-32	NDE-65	VT-1	NA	0.750 / 0.000	2A RESIDUAL HEAT REMOVAL HEAT EXCHANGER SUPPORT WELDED ATTACHMENT. EXAMINE SEISMIC LUG AT TOP OF ND HEAT EXCHANGER 2A. EXAMINE WITH M2.F1.40.0074. REFERENCE
,							PIP M-07-323.
M2.D1.10.0023							
2NSHX-SUPPORT-2B	NS Class 3	MCM 1201.06-0090 MC-ISIN3-2563-01.00 MC 1220-32, MC 1220- 103	NDE-65	VT-1	NA	0.750 / 0.000	2B CONTAINMENT SPRAY HEAT EXCHANGER SUPPORT WELDED ATTACHMENT. EXAMINE WITH M2.F1.40.0080. SINCE "HX A" & "HX B" ARE OF DIFFERENT DESIGN, BOTH WILL BE EXAMINED. REFERENCE PIP M-07-323. Examine Welded Attachments, Support Lugs located on Class C side below the bottom Tube
		•			2		Sheet. The Seismic Lugs were visually examined EOC- 18/Outage 3 under this Summary Number but have been re-categorized to Summary Number M2.C3.10.0008.
M2.D1.10.0024 2NSHX-SUPPORT-2A	NS Class 3	MCM 1201.06-0025, MC M장무화워3-2563-01.00	NDE-65	VT-1	NA	0.750 / 0.000	2A CONTAINMENT SPRAY HEAT EXCHANGER SUPPORT WELDED ATTACHMENT. EXAMINE SEISMIC TIE
		MCM 1201.06-093, MC 1220-103					DOWN LUGS AT TOP OF NS HEAT EXCHANGER 2A. EXAMINE WITH M2.F1.40.0092. SINCE "HX A" & "HX B" ARE
							OF DIFFERENT DESIGN, BOTH WILL BE EXAMINED. REFERENCE PIP M-07-323.
M2.D1.10.0026						-	
2NSHX-SUPPORT-2A	NS Class 3	MCM 1201.06-0025, MC M장무화원3-2563-01.00	NDE-65	VT-1	· NA	0.750 / 0.000	2A CONTAINMENT SPRAY HEAT EXCHANGER SUPPORT WELDED ATTACHMENT. EXAMINE SUPPORT LUGS
_		MCM 1201.06-093, MC 1220-103					AND RING. EXAMINE WITH M2.F1.40.0092. SINCE "HX A" & "HX B" ARE OF DIFFERENT DESIGN, BOTH WILL BE EXAMINED.
Category F-A							
M2.F1.10.0004 2MCR-NC-4293 Mech Snubber	NC Class 1	MCSRD-2NC-203/sht. 1	NDE-66	VT-3	NA	0.000 / 6.000	F01.010.0040
				· ·		Mech Snubber	
							•

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Summary Num Component ID / Type	System	ISO/DWG Numbers	Procedure	Insp Req	Mat	Sched Thick/Dia	Cal Blocks Comments / Historical Data	
Category F-A								
M2.F1.10.0005 2MCR-NC-4289 Spring Hgr	NC Class 1	MCSRD-2NC-203/sht. 1	NDE-66	VT-3	NA NA	0.000 / 4.000		F01.010.005C
NO 51 10 00 10						Spring Hgr		
M2.F1.10.0040 2MCR-NV-4779 Spring Hgr	NV Class 1	MCSRD-2NV-204/sht. 1	NDE-66	VT-3	NA	0.000 / 2.000		F01.010.101C
						Spring Hgr	•	
M2.F1.10.0049 2MCR-NV-4380 Rigid Restraint	NV Class 1	MCSRD-2NV-209/sht. 1	NDE-66	VT-3	NA	0.000 / 2.000		F01.010.110B
						Rigid Restraint		
M2.F1.10.0142								F01.010.092A, F01.010.6164
2MCR-NI-4730 Rigid Support	NI Class 1	MCSRD-2NI-209/sht. 2	NDE-66	VT-3	NA	0.000 / 2.000		
						Rigid Support		
M2.F1.10.0161								F01.010.111A, F01.010.6202
2MCR-NV-4103 Rigid Support	NV Class 1	MCSRD-2NV-206/sht. 1	NDE-66	VT-3	NA	0.000 / 2.000		
						Rigid Support		
M2.F1.10.0178								F01.010.114C, F01.010.6233
2MCR-NV-4406 Mech Snubber	NV Class 1	MCSRD-2NV-204/sht. 1	NDE-66	VT-3	NA	0.000 / 4.000		
						Mech Snubber		
M2.F1.20.0061 2MCR-NI-4026 Hyd Snubber	NI Class 2	MCSRD-2NI-201/sht. 1	NDE-66	VT-3	NA	0.000 / 6.000		F01.020.154C
						Hyd Snubber		
M2.F1.20.0062 2MCR-NI-4017 Mech Snubber	NI Class 2	MCSRD-2NI-201/sht. 2	NDE-66	VT-3	NA	0.000 / 6.000		F01.020.155C
						Mech Snubber		

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Summa Compone	ary Num ent ID / Type	System	ISO/DWG Numbers	Procedure	Insp Req	Mat	Sched Thick/Dia	Cal Blocks Comments / Historical Data	
Category	F-A	•	e <sup>s</sup>						
M2.F1.20	.0086						<u> </u>		F01.020.201A
2MCR-NS	S-4516.	NS	MCSRD-2NS-201/sht. 1	NDE-66	VT-3	NA	0.000 / 8.000	,	
Rigid Sup	port	Class 2					. •		
							Rigid Support		
M2.F1.20	.0091								F01.020.206B
2MCR-NS		NS	MCSRD-2NS-203/sht. 1	NDE-66	VT-3	NA	0.000 / 8.000		
Rigid Res	straint	Class 2					5,5557 4,554		
				ē			Rigid Restraint		
M2.F1.20	.0092			·			Tigia Resitain		F01.020.207B
2MCR-NS		NS	MCSRD-2NS-203/sht. 1	NDE-66	VT-3	NA	0.000 / 8.000		101.020.2010
Rigid Res		Class 2					,		
		-		*		•	Rigid Restraint		
M2.F1.20	0095	<del></del>				<del></del>	Tigiu Nestraint		F01.020.210A,
1112.1 11.2,0	.0000		•				•		F01.020.210A,
2MCR-NS	3-4665	, NS	MCSRD-2NS-204/sht. 1	NDE-66	VT-3	NA	0.000 / 8.000		•
Rigid Res	straint	Class 2		× 1	•				
			• *				Rigid Restraint		
M2.F1.20	.0096			·				· · · · · · · · · · · · · · · · · · ·	F01.020.211B
2MCR-NS	S-4701	· NS	MCSRD-2NS-205/sht. 1	NDE-66	VT-3	NA	0.000 / 8.000	•	•
Rigid Res	straint	Class 2	•						
							Rigid Restraint		•
M2.F1.20	.0097				-,				F01.020.212B
2MCR-NS	S-4710	NS	MCSRD-2NS-205/sht. 1	NDE-66	VT-3	NA	0.000 / 8.000		
Rigid Res	straint	Class 2						• • • • • • • • • • • • • • • • • • •	
	•		•			•	Rigid Restraint		
M2.F1.20	.0098								F01.020.213B
2MCR-NS		NS	MCSRD-2NS-205/sht. 1	NDE-66	VT-3	NA	0.000 / 8.000		•
Rigid Res	straint	Class 2							•
		•					Rigid Restraint	· ·	
M2.F1.20	0.0099		<u> </u>	· · · · · · · · · · · · · · · · · · ·	<del></del>		<u></u>	<u></u>	F01.020.214B
2MCR-NS		NS	MCSRD-2NS-206/sht. 1	NDE-66	VT-3	NA	0.000 / 8.000	•	
Rigid Res	straint	Class 2		•					
,		•		4			Rigid Restraint	:	
		٠.					- nare - rechent		

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Summary Num Component ID / Type	System	ISO/DWG Numbers	Procedure	Insp Req	Mat	Sched Thick/Dia	Cal Blocks Comments / Historical Data	
Category F-A				•				
M2.F1.20.0100								F01.020.215A
2MCR-NS-4757	NS	MCSRD-2NS-206/sht. 1	NDE-66	VT-3	· NA	0.000 / 8.000		
Rigid Support	Class 2					-		
						Rigid Support		
M2.F1.20.0101			· · · · · · · · · · · · · · · · · · ·	<del></del>				F01.020.216E
2MCR-NS-4765	NS	MCSRD-2NS-206/sht. 1	NDE-66	VT-3	NA	0.000 / 8.000		
Rigid Restraint	Class 2		•					
						Rigid Restraint		
M2.F1.20.0102		,						F01.020.217E
2MCA-NS-5008	NS	MCSRD-2NS-350/sht. 1	NDE-66	VT-3	NA	0.000 / 10.000	•	
Rigid Restraint	Class 2							
						Rigid Restraint		
M2.F1.20.0103							,	F01.020.218/
2MCA-NS-5102	NS	MCSRD-2NS-351/sht. 1	NDE-66	VT-3	NA	0.000 / 10.000		
Rigid Support	Class 2							
						Rigid Support		
M2.F1.20.0104								F01.020.2198
2MCA-NS-5107	NS	MCSRD-2NS-351/sht. 1	NDE-66	VT-3	NA	0.000 / 10.000		
Rigid Restraint	Class 2							
			•			Rigid Restraint		
M2.F1.20.0105								F01.020.220/
2MCA-NS-5116	NS	MCSRD-2NS-351/sht. 1	NDE-66	VT-3	NA	0.000 / 10.000		
Rigid Support	Class 2							
						Rigid Support	_	
M2.F1.20.0106							·	F01.020.221/
2MCA-NS-5202	NS	MCSRD-2NS-352/sht. 1	NDE-66	VT-3	NA	0.000 / 10.000	(x,y) = (x,y) + (y,y) = (y,y) + (y,y) + (y,y) + (y,y) + (y,y) = (y,y) + (y,y	
Rigid Support	Class 2							
						Rigid Support		
M2.F1.20.0107							The state of the s	F01.020.2220
2MCA-NS-5260	NS	MCSRD-2NS-352/sht. 1	NDE-66	VT-3	NA	0.000 / 10.000		
Spring Hgr	Class 2			•		•		
				-		Spring Hgr		
M2.F1.20.0117	-							F01.020.257
2-MCA-S-NV-521-1-A	NV	2-MCA-S-NV-521-1	NDE-66	VT-3	NA	0.000 / 4.000		
Rigid Support	Class 2				•			
						Rigid Support		
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Summary Num Component ID / Type	System	ISO/DWG Numbers	Procedure	Insp Req	Mat	Sched Thick/Dia	Cal Blocks Comments / Historical Data	
Category F-A								
M2.F1.20.0119								F01.020.259
2MCA-NV-5647	NV	MCSRD-2ND-350/sht. 7	NDE-66	VT-3	NA	0.125 / 8.000	INSPECT WITH M2.C3.20.0026.	
Mech Snubber	Class 2							
. *						Mech Snubber		
M2.F1.20.0120								F01.020.260
2MCA-NV-7046	NV	MCSRD-2ND-350/sht. 7	NDE-66	VT-3	NA	0.000 / 8.000		. 01.020.200
Rigid Restraint	Class 2	-				3,333, 3,333		*
		•				Rigid Restraint		
M2.F1.20.0128								F01.020.268
2MCR-NV-4101	NV	MCSRD-2NV-206/sht. 1	NDE-66	VT-3	ÌΝΑ	0.600 / 2.000		
Rigid Support	Class 2	MC-ISIN3-2554-01.00						
		2MCR-NV-4101						
		•				Rigid Support	·	
M2.F1.20.0129				·	<del></del>	ragid oupport		F01.020.269
2MCR-NV-4576	NV	MCSRD-2NV-224/sht. 1	NDE-66	VT-3	NA	0.000 / 2.000		101.020.203
Rigid Restraint	Class 2	MOOND LITT LEWON.		. 71,0	(4/3	0.00072.000		
			,	•		Rigid Restraint		
M2.F1.20.0159						,		F01.020.350A
								F01.020.351
2MCR-RN-4537		MCSRD-2RN-203/sht. 1	NDE-66	VT-3	NA	0.000 / 6.000		
Rigid Support	Class 2							
		,				Rigid Support		
M2.F1.20.0160								F01.020.375A
0140 1 5047	D) i		NDE					F01.020.375
2MCA-RV-5017 Rigid Support	RV Class 2	MCSRD-2RV-350/sht. 1	NDE-66	VI-3	ŅA	0.000 / 12.000		
ragia Support	Class 2							
						Rigid Support		
M2.F1.20.0171								F01.020.4270
2MCA-SM-H141	CM	MCSRD-2SMA/sht. 3	NDE 66	VT 2	NIA	0.000 / 36.000		F01.020.436
Hyd Snubber	Class 2	IVICSRD-25IVIA/SIIL. 3	NDE-66	VT-3	NA	0.000 / 36.000		•
Tiya Onubbei	Class 2			i				
						Hyd Snubber		
M2.F1.20.0341								F01.020.129A
2MCA-ND-5910	ND	MCSRD-2ND-350/sht. 2	NDE-66	VT-3	NA	0.125 / 12.000		. 01.020.00
Rigid Support	Class 2			<b>.</b>	, .			
* *						Rigid Support		

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Summary Component l	Num ID / Type	System	ISO/DWG Numbers	Procedure	Insp Req	Mat	Sched Thick/Dia	Cal Blocks Comments / Historical Data	
Category F	<u>-A</u>								
M2.F1.20.050	05				·				F01.020.267A, F01.020.6881
2MCA-NV-50 Rigid Suppor		NV Class 2	MCSRD-2NV-350/sht. 2	NDE-66	VT-3	NA	0.000 / 2.000		
•							Rigid Support	-	
M2.F1.20.058	84								F01.020.266C, F01.020.7035
2MCA-NV-53 Mech Snubbe		NV Class 2	MCSRD-2NV-353/sht. 2	NDE-66	VT-3	NA	0.000 / 4.000		
			•				Mech Snubber		
M2.F1.20.07	05	Mark and the second sec							F01.020.426A, F01.020.7223
2MCA-SM-H Rigid Suppor		SM Class 2	MCSRD-2SMA/sht. 3	NDE-66	VT-3	NA	0.000736.000		
			•		*		Rigid Support		
M2.F1.20.07	60								F01.020.478C, F01.020.7317
2MCA-SV-H6 Mec Snb/Spr		SV Class 2	MCSRD-2SVA/sht: 1	NDE-66	VT-3	NA	0.000 / 6.000		F01.020.7317
							Mec Snb/Spr Hgr		
M2.F1.20.07	81								F01.020.020C, F01.020.7358
2MCR-CA-H Mec Snb/Spr		CA Class 2	MCSRD-2CAO/sht. 1	NDE-66	VT-3	NA	0.000 / 6.000		
							Mec Snb/Spr Hgr		
M2.F1.20.08	18								F01.020.186A, F01.020.7433
2MCR-NI-40 Rigid Suppor		NI Class 2	MCSRD-2NI-203/sht. 1	NDE-66	VT-3	NA	0.000 / 6.000		F01.020.7433
					·		Rigid Support		
M2.F1.20.08	62	· · · · · · · · · · · · · · · · · · ·							F01.020.185A, F01.020.7518
2MCR-NI-45 Rigid Suppor		NI Class 2	MCSRD-2NI-203/sht. 1	NDE-66	VT-3	NA	0.125 / 6.000		
							Rigid Support		

McGuire 2, 3rd Interval, ou

3 (EOC-18)

Summary Num Component ID / Type	System	ISO/DWG Numbers	Procedure	Insp Req	Mat	Sched Thick/Dia	Cal Blocks Comments / Historical Data	
Category F-A								
M2.F1.20.1001								F01.020.256A,
2MCR-NV-4171 Rigid Support	NV Class 2	MCSRD-2NV-223/sht. 1	NDE-66	VT-3	NA	0.000 / 2.000		F01.020.7805
						Rigid Support	-	
M2.F1.20.1002								F01.020.258A,
2MCR-NV-4172 Rigid Support	NV Class 2	MCSRD-2NV-223/sht. 1	NDE-66	VT-3	NA	0.000 / 2.000		F01.020.7806
						Rigid Support		
M2.F1.20.1011					*			F01.020.261A, F01.020.7823
2MCR-NV-4181 Rigid Support	NV Class 2	MCSRD-2NV-223/sht. 2	NDE-66	VT-3	NA ·	0.000 / 2.000		
						Rigid Support		
M2.F1.20.1013			,					F01.020.262A,
2MCR-NV-4191 Rigid Support	NV Class 2	MCSRD-2NV-224/sht. 1	NDE-66	VT-3	NA	0.000 / 2.000		F01.020.7826
	٠					Rigid Support		
M2.F1.20.1180 2MCA-CA-H11 Rigid Support	CA Class 2	MCSRD-2CAM/sht. 2	NDE-66	VT-3	· NA	0.125 / 4.000		F01.020.012A
						Rigid Support		
M2.F1.30.0031 2MCA-KC-3332 Mech Snubber	KC Class 3	MCSRD-2KC-351/sht. 5	NDE-66	VT-3	· NA	0.281 / 16.000		F01.030.0620
						Mech Snubber		
M2.F1.30.0032 2MCA-KC-3078 Mec Snb/Spr Hgr	KC Class 3	MCSRD-2KC-351/sht. 6	NDE-66	VT-3	NA	0.000 / 16.000		F01.030.0630
wed dibropi rigi	01433 0					Mec Snb/Spr Hgr		
M2.F1.30.0033 2MCA-KC-3030	KC	MCSRD-2KC-351/sht. 7	NDE-66	VT-3	NA	0.000 / 20.000		F01.030.0640
Hyd Snubber	Class 3	WOOKD-210-001/6Ht. /	1402-00	V 1-3	IAV	3.000 / 20.000		
						Hyd Snubber	·	

SDQA Cat "C"

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McGuire 2, 3rd Interval, ou

Summary Num Component ID / Type	System	ISO/DWG Numbers	Procedure	Insp Req	Mat	Sched Thick/Dia	Cal Blocks Comments / Historical Data	
Category F-A		•						
M2.F1.30.0034							***	F01.030.065A
2MCA-KC-3325	KC	MCSRD-2KC-351/sht. 7	NDE-66	VT-3	NA	0.000 / 20.000		
Rigid Support	Class 3					, •		
		. ′			•	Rigid Support		
M2.F1.30.0035								F01.030.066A
2MCA-KC-3150	KC	MCSRD-2KC-358/sht. 1	NDE-66	VT-3	NA	0.365 / 16.000		
Rigid Support	Class 3							٠.
						Rigid Support		
M2.F1.30.0036								F01.030.067A
2MCA-KC-3144	KÇ	MCSRD-2KC-358/sht. 2	NDE-66	VT-3	NA	0.000 / 8.000		
Rigid Support	Class 3	•						
						Rigid Support	/	
M2.F1.30.0037	——————————————————————————————————————	, , , ,						F01.030.068A
2MCA-KC-3274	KC	MCSRD-2KC-358/sht. 3	NDE-66	VT-3	· NA	0.000 / 8.000		
Rigid Support	Class 3							
						Rigid Support		
M2.F1.30.0248							•	F01.030.072A,
2MCA-KC-3011	кс	MCSRD-2KC-351/sht. 3	NDE-66	VT-3	NA	0.000 / 14.000		F01.030.8267
Rigid Support	Class 3	WC3KD-2KC-351/8Ht. 3	NDE-00	V1-3	NA	0.0007 14.000		
ragia capport	Class 5					•		
						Rigid Support		
M2.F1.30.0254								F01.030.075C, F01.030.8277
2MCA-KC-3020	кс	MCSRD-2KC-351/sht. 4	NDE-66	VT-3	NA	0.000 / 16.000	·	101,030.0277
Mech Snubber	Class 3	WOOKS-21(0-551)5116. 4	1452-00	V1 0	19/3	0.0007 10.000	•	
						Mech Snubber		
M2.F1.40.0005						MOST CHADDO		F01.040.005,
		•						F01.040.005E
2RCP-B-SUPPORT		MC 1070-7, MC 1070-2	NDE-66	VT-3	NA	0.000 / 0.000	REACTOR COOLANT PUMP EXAMINE SUPPORT COLUM	
Rigid Restraint	Class 1	MC-ISIN3-2553-01.00					LATERAL RESTRAINT. REFE	
		MC-1070-08-2, MC-1070- 17, MCM 2201.01-0084	•				07-323.	
						nicia nocazotek		
						Rigid Restraint		•

McGuire 2, 3rd Interval, ou

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Summary Num Component ID / Type	System	ISO/DWG Numbers	Procedure	Insp Req	Mat	Sched Thick/Dia	Cal Blocks Comments / Historical Data
Category F-A						,	
M2.F1.40.0073							F01.040.006
2NDP-SUPPORT-2A Rigid Restraint	ND Class 2	MCM 1201.05-014, MC MRS식회N3-2561-01.00	<b>NDE-66</b>	VT-3	NA	0.000 / 0.000	RESIDUAL HEAT REMOVAL 2A PUMP SUPPORT. EXAMINE HORIZONTAL RESTRAINT AND VERTICAL SUPPORT.
		MCM 1201.05-0048					REFERENCE PI M-07-323.
			·			Rigid Restraint	
M2.F1.40.0074							F01.040.007
2NDHX-SUPPORT-2A Rigid Restraint	ND Class 2	MCM 1201.06-22 MC-ISIN3-2561-01.00 MCM 1201.06-48, MC 1220-32	NDE-66	VT-3	NA	0.750 / 0.000	2A RESIDUAL HEAT REMOVAL HEAT EXCHANGER SUPPORT. EXAMINE LOWER SUPPORT AND UPPER RESTRAINT. EXAMINE WITH M2.D1.10.0022. REFERENCE PIP M-07-323.
						Rigid Restraint	
M2.F1.40.0075		***************************************					F01.040.008
2NSP-SUPPORT-2A	NS	MC 1680-00, MCM	NDE-66	VT-3	NA	0.000 / 0.000	CONTAINMENT SPRAY PUMP 2A SUPPORT.
Rigid Restraint	Class 2	MO181492963-01.00					EXAMINE HORIZONTAL RESTRAINT AND VERTICAL SUPPORT. EOC18 / OUTAGE 3
· ,		MC 1220-74, MC 1690- 014.01					REINSPECTION OF SUPPORT TO INCLUDE LATERAL RESTRAINT. REFERENCE PIP M-07-323.
·						Rigid Restraint	
M2.F1.40.0080			, , , , , ,				F01.040.039
2NSHX-SUPPORT-2B Rigid Restraint	NS Class 2	MCM 1201.06-0090 MC-ISIN3-2563-01.00 MC 1220-32, MC 1220-	NDE-66	VT-3	NA	0.750 / 0.000	2B CONTAINMENT SPRAY HEAT EXCHANGER SUPPORT. EXAMINE LOWER SUPPORT AND UPPER LATERAL RESTRAINTS. EXAMINE WITH
		103					M2.D1.10.0023. SINCE "HX A" & "HX B" ARE OF DIFFERENT DESIGN, BOTH WILL BE
							EXAMINED. EOC18 / OUTAGE 3
					₩ <sup>*</sup>		REINSPECTION OF SUPPORT TO INCLUDE UPPER LATERAL RESTRAINTS. REFERENCE PIP M-07-323.
M2.F1.40.0092							F01.040.009
2NSHX-SUPPORT-2A Rigid Restraint	NS Class 2	MCM 1201.06-0025, MC M29313-2563-01.00	NDE-66	VT-3	NA	0.750 / 0.000	2A CONTAINMENT SPRAY HEAT EXCHANGER SUPPORT. EXAMINE LOWER
		MCM 1201.06-093, MC 1220-103					SUPPORT AND UPPER LATERAL RESTRAINTS. EXAMINE WITH M2.D1.10.0024. SINCE "HX A" & "HX B" ARE OF DIFFERENT DESIGN, BOTH WILL BE EXAMINED. EOC.—18 / OUTAGE 3
							REINSPECTION OF SUPPORT TO INCLUDE UPPER LATERAL RESTRAINTS. REFERENCE PIP M-07-323.
					,		

McGuire 2, 3rd Interval, ou

Summary Num				Insp		, ,		
Component ID / Type	System	ISO/DWG Numbers	Procedure	Req	Mat	Sched Thick/Dia	Cal Blocks (	Comments / Historical Data
<u>Category</u> <u>F-A</u>								
M2.F1.40.0104								F01.040.0178
2SWIF-SUPPORT-2B Rigid Restraint	NV Class 2	MCM 1201.04-27 MC-ISIN3-2554-03.00 MC-1223-1	NDE-66	VT-3	NA	0.375 / 0.000		SEAL WATER INJECTION FILTER 2B SUPPORT.
						Rigid Restraint		
M2.F1.40.0105								F01.040.018E
2NIP-SUPPORT-2B Rigid Restraint		MCM 1201.05-454 MC-ISIN3-2562-03.00	NDE-66	VT-3	NA	0.000 / 0.000		SAFETY INJECTION PUMP 2B SUPPORT LEGS (4). REFERENCE MANUAL MCM 1201.05-280.
						Rigid Restraint		
M2.F1.40.0106								F01.040.019E
2KFHX-SUPPORT-2A Rigid Restraint	KF Class 3	MCM 1201.06-0027 MC-ISIN3-2570-01.01 MC-1220-32	NDE-66	VT-3	NA	0.250 / 0.000		FUEL POOL COOLING HX 2A SUPPORT.
						Rigid Restraint		
M2.F1.40.0132								
2CRDM-SUPPORT	NC Class 1	MCM 1201.13-23 MCM 1201.13-24 MCM 1201.13-25	NDE-66	VT-3	NA	0.000 / 0.000		REACTOR VESSEL CRDM SEISMIC SUPPORT. EXAMINE TURN BUCKLE, ALTHOUGH NOT REQUIRED BY CODE (PER MARK PYNE AND KEVIN RHYNE) THE FRAME WILL BE VISUALLY EXAMINED AS A SUPPLEMENT TO THE TURN BUCKLE EXAM .
Category Q-A								•
M2.Q1.1.0001	<del></del>	A						
2NC2FW2-NW6	NC Class 1	MCFI-2NC2	PDI-UT-8	UT		1.406 / 14.000	DE-13-AX-01 DE-13-CIRC- 01	2 and inspected under Section XI Appendix Q as required by Reg. Guide 1.147. Alloy 600/82/182 weld with weld overlay Alloy
						·		690/52/152. This weld overlay (2NC2FW2-NW6) covers welds 2PZR-W1SE and 2NC2FW2-3.  14 Inch Pressurizer Surge Nozzle Examine EOC-18 3/1/2008, then 25% of the overlay population is required to be examined
								every ten years. Weld (2PZR-W1SE) was previously scheduled for EOC-18 but not examined. (M2.R1.11.0035).
						Weld overlay		

McGuire 2, 3rd Interval, ou.

ou. 3 (EOC-18)

			W	coure i	z, 3ra inter	vai, ou	i. 3 (±0	JC-18)		•
Summary Num Component ID / Type	System	ISO/DWG Numbers	Procedure	Insp Req	Mat	<b>:</b> .	Sch	ed Thick/Dia	Cal Blocks (	Comments / Historical Data
Category Q-A			•							
M2.Q1.1.0002	•						· .			
2NC2FW61-NW4	NC		PDI-UT-8	UT ·			•	0.719 / 6.000	DE-8-AX-01	Weld overlay installed under Code Case N-504-
•		MCFI-2NC61							DE-8-CIRC-01	2 and inspected under Section XI Appendix Q
	Class 1								•	as required by Reg. Guide 1.147. Alloy
										600/82/182 weld with weld overlay Alloy 690/52/152. This weld overlay (2NC2FW61-
		:						,		NW4) covers welds 2PZR-W3SE and
			•						•	2NC2FW61-1. 6 Inch Pressurizer Relief Nozzle. Examine EOC-
,		• •			•					18 3/1/2008, then 25% of the overlay population
								4, "		is required to be examined every ten years.
		•	•		*					
			· · · · · · · · · · · · · · · · · · ·	<u> </u>			Weld ove	rlay		<u> </u>
M2.Q1.1.0003			-							
2NC2FW53-NW1	NC		PDI-UT-8	UT				0.719 / 6.000	DE-8-AX-01	Weld overlay installed under Code Case N-504-
		MCFI-2NC53							DE-8-CIRC-01	2 and inspected under Section XI Appendix Q
•	Class 1		-							as required by Reg. Guide 1.147. Alloy 600/82/182 weld with weld overlay Alloy
						-				690/52/152. This weld overlay (2NC2FW53-
			*			•				NW1) covers welds 2PZR-W4ASE and 2NC2FW53-12. 6 Inch Pressurizer Safety
										Nozzle. Examine EOC-18 3/1/2008, then 25%
										of the overlay population is required to be
			-					·		examined every ten years.
	* •		•							:
							Weld ove	riay		
M2.Q1.1.0004			001117.0		-		•	0.740 ( 0.000		
2NC2FW53-NW2	NC	MCFI-2NC53	PDI-UT-8	UŢ				0.719 / 6.000	DE-8-AX-01 DE-8-CIRC-01	Weld overlay installed under Code Case N-504- 2 and inspected under Section XI Appendix Q
	Class 1	WIGHT-211033		•					DE-0-CINC-01	as required by Reg. Guide 1.147. Alloy
	-	•								600/82/182 weld with weld overlay Alloy
					,			•		690/52/152. This weld overlay (2NC2FW53-NW2) covers welds 2PZR-W4BSE and
						;	•	•		2NC2FW53-26. 6 Inch Pressurizer Safety
-			-				•	-	•	Nozzle. Examine EOC-18 3/1/2008, then 25% of the overlay population is required to be
									•	examined every ten years.
• •		•						+ 1	•	
•					•					•

Weld overlay

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	nry Num nt ID / Type	System	ISO/DWG Numbers	Procedure	Insp Req	. Mat	Sched Thick/Dia	Cal Blocks Comments / Historical Data
Category	<u>Q-A</u>					•		
M2.Q1.1.0	0005							·
2NC2FW5	53-NW3	NC Class 1	MCFI-2NC53	PDI-UT-8	UT		0.719 / 6.000	DE-8-AX-01 Weld overlay installed under Code Case N-504- DE-8-CIRC-01 2 and inspected under Section XI Appendix Q as required by Reg. Guide 1.147. Alloy 600/82/182 weld with weld overlay Alloy
					· .			690/52/152. This weld overlay (2NC2FW53-NW3) covers welds 2PZR-W4CSE and 2NC2FW53-13. 6 Inch Pressurizer Safety Nozzle. Examine EOC-18 3/1/2008, then 25% of the overlay population is required to be examined every ten years.
							Weld overlay	
M2.Q1.1.0	0006							
2NC2FW1	13-NW5	NC	MCFI-2NC13	PDI-UT-8	UT		0.531 / 4.000	DE-6-AX-01 Weld overlay installed under Code Case N-504- DE-6-CIRC-01 2 and inspected under Section XI Appendix Q DE-8-CIRC-01 as required by Reg. Guide 1.147. Alloy
		Class 1						600/82/182 weld with weld overlay Alloy 690/52/152. This weld overlay (2NC2FW13-NW5) covers welds 2PZR-W2SE and 2NC2FW13-1. 4 Inch Pressurizer Spray Nozzle. Examine EOC-18 3/1/2008, then 25% of the overlay population is required to be examined every ten years.
								Weld (2PZR-W2SE) was previously scheduled and examined in EOC-17 (R01.011.022)
	•							
Category	R-A						Weld overlay	
M2.R1.11.						·	A CONTRACTOR OF THE STATE OF TH	. Risk Segment NV-002AB R01.011.1007
2NV2F-84		NV Class 2	MCFI-2NV1 MC-ISIN-2554-03.01	NDE-12	RT	SS	0.134 / 6.000	This weld was changed from 2NVP31-2 so RT could be performed on a weld in this segment.
		0.000					Elham to Dina	
M2.R1.11	.0189	<u>′</u>		-			Elbow to Pipe	Risk Segment NV-002AA R01.011.1014
2NV2FW1 Circumfer		NV Class 2	MCFI-2NV115 MC-ISIN-2554-03.01	NDE-12	RT	SS	0.148 / 8.000	
			• .				Pipe to Elbow	

			M	·-	3rd Interval, ou	3 (EOC-18)			,
Summary Num Component ID / Type	System	ISO/DWG Numbers	Procedure	Insp Req	Mat	Sched Thick/Dia	Cal Blocks	Comments / Historical Data	
Category R-A	·	•							
M2.R1.11.0275								Risk Segment NV-083	R01.011.152
2NV2FW215-48	NV	MCFI-2NV215 MC-ISIN-2554-01.02	NDE-600	UT	SS	0.344 / 2.000	Component	SEE SECTION 8 FOR CALIE REQUIREMENTS.	RATION BLOCK
Circumferential	Class 2								
						Pipe To Pipe			
M2.R1.11.0278								Risk Segment NV-108A	R01.011.155
2RCHPSS-OUT-1	NV	MCFI-2NV32	PDI-UT-2	UT	SS	0.237 / 4.000	PDI-UT-2-M	- 11	
Circumferential	Class 2	MC-ISIN-2554-03.00 MCM1201.04-0272						RECIPROCATING CHARGIN SUCTION STABILIZER. Equ 2NVAC0052. EOC-18 exami as additional sample for indica Summary Number M2.R1.11.0 PIP M-08-01705.	ipment # nation performed ation found on
Terminal End					•				
						Nozzle to Flange		•	
M2.R1.11.0279						-		Risk Segment NV-108A	R01.011.156
2RCHP-IN Circumferential	NV Class 2	MCM 2201.05-0031 001 MC-ISIN3-2554-03.00	NDE-12	RT	SS	0.237 / 4.000		RECIPROCATING CHARGIN SEE SECTION 8 FOR CALIB REQUIREMENTS. Pump flar be removed before examination performed.	RATION BLOCK nge bolting must
Terminal End						Steel As Borra			
MO D4 44 0400						Flange to Pump	<del></del>	5: 1.0	501.011.101
M2.R1.11.0463 2NS2F427 Circumferential	NS Class 2	MCFI-2NS17 MC-ISIN-2563-01.00	NDE-12	RT	SS	0.148 / 8.000	•	Risk Segment NS-020	R01.011.104
						Elbow To Pipe			
M2.R1.11.1534								Risk Segment NV-002AA	R01.011.127
2NV2FW115-4	NV	MCFI-2NV115	NDE-12	RT	SS	0.148 / 8.000		•	
Circumferential	Class 2	MC-ISIN-2554-03.01		-					
				•.		Elbow to Pipe			
M2.R1.11.1536						,		Risk Segment NV-002AB	R01.011.129
2NVP8-3 Circumferential		MCFI-2NV1 MC-ISIN-2554-03.01	NDE-12	RT	SS	0.134 / 6.000		-	
						Pipe to Elbow		•	

McGuire 2, 3rd Interval, ou

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<u>Category</u> <u>R-A</u> M2.R1.11.1594 2NV2FW215-37  Circumferential Ci		MCFI-2NV215 MC-ISIN-2554-01.02	NDE-600	UT					
2NV2FW215-37			NDE-600	UT					
•			NDE-600	UT				Risk Segment NV-080A	R01.011.147
Circumferential Ci	Class 2			•	SS	0.438 / 3.000	Component	SEE SECTION 8 FOR CAL REQUIREMENTS.	BRATION BLOCK
Circumterential							•		
						Pipe To Tee		•	
M2.R1.11.1598		,						Risk Segment NV-083	R01.011.151
2NV2FW215-49		MCFI-2NV215 MC-ISIN-2554-01.02	NDE-600	UT	SS	0.344 / 2.000	Component	SEE SECTION 8 FOR CAL REQUIREMENTS.	IBRATION BLOCK
Circumferential C	Class 2						·		
						Pipe To Pipe			
M2.R1,13.0002								Risk Segment RV-002	R01.013.002
2RV2FW30-27	RV	MCFI-2RV30	NDE-946	UT	CS	0.375 / 12.000	Step_Wedge	EXAMINE A 1 FT. LENGTH	OF PIPE AT WELD
Circumferential C	Class 2	MC-ISIN-2604-03.00						TO DETERMINE WALL THE INCHES EACH SIDE OF W INCH GRID	
						Pipe To Flange			
					End	of Report			
S	STATIST	TICS ONLY Class	1 30 CI	ass 2 64	Class 3	Total by Class 108	S Sy	stems 108 Total Co	ount 108

#### 4.0 Results of Inspections Performed

The results of each examination shown in the Inspection Results (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 Subsections 4.1 and 4.2. Corrective measures performed and limited examinations are described in further detail in Subsections 4.3 and 4.4.

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

SUMMARY NUMBER = ASME Section XI Tables IWB-2500-1 (Class 1), IWC-2500-1 (Class 2), IWF-

2500-1 (Class 1 and Class 2), Augmented Requirements

**ID NUMBER** 

= Unique Identification Number

SYSTEM

Component System Identification

INSP DATE

Date of Examination

**INSP STATUS** 

= CLR Clear

REC Recordable REP Reportable

INSP LIMITED

Indicates inspection was limited.

Coverage obtained is listed.

GEO REF

= <u>Y</u> Yes N No

(Geometric Reflector applies only to UT)

RFR (Relief Request)

Y Yes N No

**COMMENTS** 

General and / or Detail Description

# DUKE ENERGY CORPORATION QUALITY ASSURANT TECHNICAL SERVICES

Scheduleworks

# Inservice Inspection Database Management System Inspection Results

McGuire 2, 3rd Interval, Outage 3 (EOC-18)

Inspection Results for McGuire Unit 2 EOC-18

				inspe	oudin nesults	ioi ivicat	ine Orac	2 200-18	
Summary No	Component ID	System	Insp Date	Insp Status	Insp Limited	Geo Ref	RFR	Comment	
M2.B10.10.0002	2PZR-W13A	NC	03/17/08	CLR	N	N	N	MT-08-001	
M2.B10.10.0003	2PZR-W13B	NC	03/17/08	REC	N	N	N	MT-08-002	
								Linear Indica	tion acceptable per ASME Section XI Table IWB-3510-3
M2.B12.50.0024	2NI-175	NI	03/12/08	CLR	N	N	N	VT-08-066	
M2.B12.50.0026	2NI-180	NI	03/13/08	CLR	N	N	N .	VT-08-063	-
M2.B13.10.0001	2RPV-INTERIOR	NC	03/23/08	CLR	N	N	N	VT-08-071	
M2.B3.140.0005	2SGC-INLET	NC	03/14/08	CLR	N	N	N	UT-08-008	
M2.B3.140.0006	2SGC-OUTLET	NC	03/14/08	CLR	Ŋ	N	N	UT-08-007	
M2.B7.20.0001	2PZR-MWB	NC	03/13/08	CLR	N	N	N	VT-08-065	
M2.B7.50.0001	2NC53-FL1	NC	03/06/08	CLR	N	N	N	VT-08-068	
M2.B7.50.0002	2NC53-FL2	NC	03/06/08	CLR	N	N	N	VT-08-069	
M2.B7.50.0003	2NC53-FL3	NC	03/08/08	CLR	N	N	N	VT-08-070	
M2.C2.11.0005	2RCHPSS-INLET	NV		CLR	N	N	N	PT-08-003	
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Summary No	Component ID	System	Insp Date	Insp Status	Insp Limited	∌o Ref	RFR	Comment
M2.C2.11.0006	2RCHPSS-OUTLET	NV	02/26/08	CLR	N	N	Ņ	PT-08-001
M2.C3.10.0008	2NSHX-SUPPORT-2B	NS	03/26/08	CLR	N	N ·	N	PT-08-008
M2.C3.10.0009	2SWIF-SUPPORT-2B	NV	03/21/08	CLR	N	N	. N	PT-08-006
M2.C3.20.0026	2MCA-NV-5647	`NV	03/25/08	CLR	N	N	N	PT-08-007
M2.C6.20.0029	2CF0026AB-1	CF	03/18/08	CLR	N	N	N	PT-08-005
M2.C6.20.0047	2ND0070-1	ND	02/26/08	CLR	N	N	N	PT-08-002
M2.D1.10.0022	2NDHX-SUPPORT-2A	ND	02/25/08	CLR	N	N	N	VT-08-022
M2.D1.10.0023	2NSHX-SUPPORT-2B	NS	01/31/08	CLR	Ň	N	N	VT-08-023
								The Seismic Lugs were visually examined EOC-18/Outage 3 under this Summary Number, this item has been re-categorized to Summary Number M2.C3.10.0008. Reference PIPs M-07-0323, M-08-01192 and Work Request 947475.
M2.D1.10.0024	2NSHX-SUPPORT-2A	NS	01/31/08	CLR	N ·	N	N	VT-08-021
M2.D1.10.0026	2NSHX-SUPPORT-2A	NS	03/25/08	CLR	N	N	N	VT-08-075
M2.F1.10.0003	2MCR-NC-4292	NC	03/04/08	REC	98.00%	N	N	VT-08-079  This item was rescheduled from Outson 3/EOC-18 to Outson 4/EOC-19, new

This item was rescheduled from Outage 3/EOC-18 to Outage 4/EOC-19, new support must be selected to replace this support due to examination being limited at 98% coverage. Reference PIPs M-08-2342 and M-08-03061.

Summary No	Component ID	System	Insp Date	Insp Status	Insp Limited	₃o Ref	RFR	R Comment
M2.F1.10.0004	2MCR-NC-4293	· NC	04/02/08	CLR	N	N	N	VT-08-078
M2.F1.10.0005	2MCR-NC-4289	NC	03/05/08	REC	N	N	N	VT-08-035
	•							Hanger acceptable for continued service, no operability concer for this support. Chain hoist removed from support
M2.F1.10.0040	2MCR-NV-4779	NV	03/05/08	CLR	N	N	N	VT-08-036
M2.F1.10.0049	2MCR-NV-4380	NV	03/05/08	CLR	N	N .	¹ N	
M2.F1.10.0142	2MCR-NI-4730	NI	03/05/08	CLR	N	N	N	VT-08-038 .
M2.F1.10.0161	2MCR-NV-4103	NV	03/05/08	CLR	N	N	N	VT-08-039
M2.F1.10.0178	2MCR-NV-4406	NV	03/05/08	CLR	N	N	N	VT-08-040
M2.F1.20.0061	2MCR-NI-4026	NÍ	03/05/08	CLR	N	N	N	VT-08-042
M2.F1.20.0062	2MCR-NI-4017	NI	03/05/08	CLR	N	N	N	VT-08-043
M2.F1.20.0086	2MCR-NS-4516	ŅS	03/05/08	CLR	N	N	N	VT-08-051
M2.F1.20.0091	2MCR-NS-4616	NS	03/05/08	CLR	N	N	N	VT-08-052
M2.F1.20.0092	2MCR-NS-4614	NS	03/05/08	CLR	N	N	N	VT-08-053
M2.F1.20.0095	2MCR-NS-4665	NS	03/05/08	CLR	N .	N	N	VT-08-054
M2.F1.20.0096	2MCR-NS-4701	NS	03/03/08	CLR	N	N	N	VT-08-055
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Summary No	Component ID	System	Insp Date	Insp Status	Insp Limited	го Ref	RFR	Comment	
M2.F1.20.0097	2MCR-NS-4710	NS	03/03/08	CLR	N	N	N	VT-08-056	
M2.F1.20.0098	2MCR-NS-4715	NS	03/05/08	CLR	N	N	N	VT-08-057	
M2.F1.20.0099	2MCR-NS-4759	NS	03/03/08	CLR	N	N	N	VT-08-058	
M2.F1.20.0100	2MCR-NS-4757	NS	03/03/08	CLR	N	N	N	VT-08-059	
M2.F1.20.0101	2MCR-NS-4765	NS	03/03/08	CLR	N	N	N	VT-08-060	
M2.F1.20.0102	2MCA-NS-5008	NS	02/07/08	CLR	N	N	N	VT-08-002	
M2.F1.20.0103	2MCA-NS-5102	NS	02/07/08	CLR	N	N	N	VT-08-073	
M2.F1.20.0104	2MCA-NS-5107	NS	02/07/08	CLR	N	N	N	VT-08-009	
M2.F1.20.0105	2MCA-NS-5116	NS	02/06/08	CLR	N	N	N	VT-08-031	
M2.F1.20.0106	2MCA-NS-5202	NS	02/05/08	CLR	N	N	N .	VT-08-032	· · ·
M2.F1.20.0107	2MCA-NS-5260	NS	02/05/08	CLR	N ,	N ·	N	VT-08-003	
M2.F1.20.0117	2-MCA-S-NV-521-1-A	· NV	02/05/08	CLR	N	N	N	VT-08-020	
M2.F1.20.0119	2MCA-NV-5647	NV	02/07/08	CLR	N	N	N	VT-08-013	
M2.F1.20.0120	2MCA-NV-7046	· NV	02/07/08	CLR	N	N ,	N	VT-08-016	
	-			·					

Summary No	Component ID	System	Insp Date	Insp Status	Insp Limited	.eo Ref	RFR	Comment
M2.F1.20.0128	2MCR-NV-4101	NV	03/04/08	CLR	N	N	N	VT-08-044
M2.F1.20.0129	2MCR-NV-4576	NV	03/05/08	CLR	N	N	N	VT-08-045
	2MCR-RN-4537		03/05/08	CLR	N	N	N	VT-08-067
M2.F1.20.0160	2MCA-RV-5017	RV	02/07/08	CLR	N	N	N	VT-08-017
	2MCA-SM-H141		02/06/08	CLR	N	N	N	VT-08-019
M2.F1.20.0341	2MCA-ND-5910	ND	02/07/08	CLR	N	N	N	VT-08-015
M2.F1.20.0505	2MCA-NV-5002	NV	02/05/08	CLR	N	N	N	VT-08-006
M2.F1.20.0584	2MCA-NV-5302	NV	02/05/08	CLR	N	N	N	VT-08-010
M2.F1.20.0705	2MCA-SM-H140	SM	02/06/08	CLR	N	N	N	VT-08-018
M2.F1.20.0760	2MCA-SV-H6	SV	02/06/08	CLR	·N	N	N	VT-08-001
M2.F1.20.0781	2MCR-CA-H168	CA	03/05/08	CLR	N	N	N	VT-08-041
M2.F1.20.0818	2MCR-NI-4034	NI	03/05/08	REC	N	N	N	VT-08-080
								Welds on shim plate were broken, WO 01804236-01 repaired the shim plate. Attachment 301 statement states hanger acceptable for continued service.
M2.F1.20.0862	2MCR-NI-4561	NI	03/05/08	CLR	N	· N .	N	VT-08-046
M2.F1.20.1001	2MCR-NV-4171	NV	03/04/08	CLR	N	N	N	VT-08-047
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Summary No	Component ID	System	insp Date	Insp Status	Insp Limited	∌o Ref	RFR	R Comment
M2.F1.20.1002	2MCR-NV-4172	NV	03/04/08	CLR	N	N	. N	VT-08-048
M2.F1.20.1011	2MCR-NV-4181	· NV	03/05/08	CLR	N	N	N .	VT-08-049
M2.F1.20.1013	2MCR-NV-4191	NV	03/05/08	CLR	N	- N	N	VT-08-050
M2.F1.20.1180	2MCA-CA-H11	CA	01/28/08	CLR	N	N	N	VT-08-034
M2.F1.30.0031	2MCA-KC-3332	кс	02/06/08	CLR	N	N	N	VT-08-012
M2.F1.30.0032	2MCA-KC-3078	КС	02/05/08	REC	N	N	Ν.	VT-08-074
								Base plate out of tolerance. W/R 948112 used to repair the base plate. Hanger acceptable for continued service no operability concerns.
M2.F1.30.0033	2MCA-KC-3030	КС	02/06/08	CLR .	N	N	N	VT-08-011
M2.F1.30.0034	2MCA-KC-3325	кс	02/05/08	CLR	N	N	N	VT-08-008
M2.F1.30.0035	2MCA-KC-3150	кс	02/07/08	CLR	N	N	.N	VT-08-033
M2.F1.30.0036	2MCA-KC-3144	КС	02/05/08	CLR	N	N	N	VT-08-014
M2.F1.30.0037	2MCA-KC-3274	- KC	02/06/08	CLR	N	N	N	VT-08-005
M2.F1.30.0248	2MCA-KC-3011	: KC	02/06/08	CLR	N	N	N	VT-08-004
M2.F1.30.0254	2MCA-KC-3020	КС	02/05/08	CLR	N	N	N	VT-08-007

Summary No	Component ID	System	Insp Date	Insp Status	Insp Limited	.ao Ref	RFR	Comment		
M2.F1.40.0005	2RCP-B-SUPPORT	NC	03/13/08	CLR	N	N	Ν	VT-08-062		
M2.F1.40.0073	2NDP-SUPPORT-2A	ND	01/30/08	CLR	N	N	N	VT-08-024		
	2NDHX-SUPPORT-2A		02/25/08	CLR	N	N	N	VT-08-025		
M2.F1.40.0075	2NSP-SUPPORT-2A	NS	01/30/08	CLR	N	N	N	VT-08-026		
M2.F1.40.0080	2NSHX-SUPPORT-2B	NS	01/31/08	CLR	N	N	N	VT-08-027		
M2.F1.40.0092	2NSHX-SUPPORT-2A	NS	01/31/08	CLR	N	N	N	VT-08-028		
M2.F1.40.0104	2SWIF-SUPPORT-2B	NV	03/21/08	CLR	N	N	N	VT-08-072		, <u></u>
	2NIP-SUPPORT-2B		01/29/08	CLR	N	N	N	VT-08-029		
M2.F1.40.0106	2KFHX-SUPPORT-2A	KF	01/29/08	CLR	N	N	N	VT-08-030		
M2.F1.40.0132	2CRDM-SUPPORT	NC	03/31/08	CLR	N	N	N	VT-08-081		
M2.G1.1.0004	2RCP-2D	NC	03/17/08	CLR	N	N	N	UT-08-013		
M2.G3.1.0001	2NC2FW22-7	NC	03/10/08	CLR	N	N	N	PT-08-004		
		NC	03/10/08	CLR	N	N	N	. UT-08-003		
M2.G6.2.0001	2PZR-Manway	NC	03/13/08	CLR	N	N ·	N	VT-08-064		
M2.Q1.1.0001	2NC2FW2-NW6	NC	03/07/08	CLR	N	N	N	UT-08-001		
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Summary No	Component ID	System	Insp Date	Insp Status	Insp Limited	∴eo Ref	RFR	Comment
M2.Q1.1.0002	2NC2FW61-NW4	NC	03/14/08	CLR	N	N	N	UT-08-009
M2.Q1.1.0003	2NC2FW53-NW1	ЙС	03/14/08	CLR	N	N	N	UT-08-010
M2.Q1.1.0004	2NC2FW53-NW2	NC	03/14/08	CLR	N	N .	N	UT-08-011
M2.Q1.1.0005	2NC2FW53-NW3	, NC	03/14/08	CLR	N	N 	. N	UT-08-012
M2.Q1.1.0006	2NC2FW13-NW5	NC .	03/09/08	CLR	N	N -	N	UT-08-002
M2.R1.11.0143	2NV2F-84	NV	03/11/08	REC	N	N	N	RT-N/A Indication determined to be film artifact and found to be acceptable.
M2.R1.11.0189	2NV2FW115-5	NV	03/14/08	REC	99.00%	N	N	RT-N/A Indication determined to be film artifact and found to be acceptable.
M2.R1.11.0275	2NV2FW215-48	NV	03/11/08	CLR	N	N	N	UT-08-005
M2.R1.11.0278	2RCHPSS-OUT-1	NV	03/17/08	CLR	95.60%	N	N	UT-08-014  During 2EOC-18 this item was examined as an additional sample for Summary Number M2.R1.11.0279. Reference PIP M-08-01705.
M2.R1.11.0279	2RCHP-IN	NV	03/14/08	REP	78.00%	N .	Υ	RT-N/A  This weld was found to be reportable during 2EOC-18, additional sample was performed on M2.R1.11.0278 (2RCHPSS-OUT-1) and found to be acceptable. (Reference PIP M-08-01705). Weld was repaired and reexamined on 4-13-08 and found to be acceptable. Weld Limited to 78.00% RFR to be submitted for limitation.

#### Inspection Results for McGuire Unit 2 EOC-18

Summary No	Component ID	System	Insp Date	Insp Status	Insp Limited	ao Ref	RFR	Comment
M2.R1.11.0463	2NS2F427	NS	03/17/08	REC	N	N	N	RT-N/A
								Indication determined to be concavity and found to be acceptable.
M2.R1.11.1534	2NV2FW115-4	NV	03/14/08	REC	N	N	N	RT-N/A
								Indication determined to be film artifact and found to be acceptable.
M2.R1.11.1536	2NVP8-3	NV	03/11/08	CLR	N	N	N	RT-N/A
								Indication determined to be film artifact and found to be acceptable.
M2.R1.11.1594	2NV2FW215-37	NV	03/11/08	CLR	97.70%	N	N	UT-08-004
M2.R1.11.1598	2NV2FW215-49	NV	03/11/08	CLR	N	N	N	UT-08-006
M2,R1.13.0002	2RV2FW30-27	RV	03/20/08	CLR	N	N	N	UT-08-15

### 4.1 Reportable Indications

There was one reportable indication for the examinations associated with this report period.

#### 4.2 Corrective Action

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

PIP M-08-1705 was written to document reportable indications found during RT examination on 2RCHP-IN (Summary Number M2.R1.11.0279). Plan Addenda 2MNS-034 was written to schedule one additional sample examination using ASME Section XI, IWC-2430 requirements of the 1998 Edition of ASME Section XI with the 2000 Addenda. The additional sample was scheduled and performed during EOC-18 and found to be acceptable. The reportable indications found during the RT examination were repaired during EOC-18. No code surveillance inspections are required because indications were repaired and found acceptable on 4-13-08.

#### 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's Corporate Office in Charlotte, North Carolina.

# 4.4 <u>Limited Examinations</u>

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's Corporate Office in Charlotte, North Carolina.

<u>Item Number</u>

**Percent Coverage** 

M2.R1.11.0279

78.00%

# 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 item was determined to have had work performed outside this report period. Listed below is the information to address these issues.

Work Order Number	Signoff Date/EOC	PIP Number
N/A	N/A	N/A

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	Identification Number	ISI
	·	Class
558698	Replace snubber on upper lateral support (SG-D)	В
572524	Valve 2ND-3 replace body bolting	В
586253	Replace body to bonnet bolting on Valve 2NV483	В
590178	Replace disc in valve 2NS44	В
590831-01	Replace 10 bonnet studs and 20 nuts on valve 2FW28	В
590831-18	Machined 1" inspection port in bonnet and install plug on valve 2FW28	В
592071-02	Replace valve 2BB1	В
592071-04	Replace material on hanger 2MCA-BB-5028	В
592071-23	Replace bolting material on hanger 2MCA-BB-5021	В
592072-02	Replace valve 2BB3	В
1702030	Work on hanger 2MCA-NI-5047 welds	В
1710916	Replace disc in valve 2BB287	В
1713164	Replace body to bonnet bolting on valve 2NI184	В
1718559	Replaced valves 2NI15 and 354 and seal welded	Α
	and replaced piping	
1719700-06	Replace valve 2NC1	Α
1719700-25	Replace load pin in hanger	Α
	2MCR-NC-4034	
1722213	Replaced valve 2NC2	Α

Work Order	Identification Number	ISI Class
1745170	Replaced snubber and bolting material in extension piece on hanger 2MCA-CA-59	В
1745171	Replaced snubber on hanger 2MCA-CA-130	В
1745172	Replaced snubber on hanger 2MCA-CA-130	B
1745174	Replaced snubber on hanger 2MCA-ND-6380	В
1745175	Replaced snubber on hanger 2MCA-NV-7009	В
1745177	Replaced snubber on hanger 2MCA-SV-58	B
1745179	Replaced snubber on hanger 2MCA-CA-140	В
1745181	Replaced snubber on hanger 2MCA-ND-5508	В
1745182	Replaced snubber on hanger 2MCR-NI-4699	· B
1745184	Replaced snubber on hanger 2MCA-SV-1	В
1745185	Replaced snubber on hanger 2MCR-NI-4026	В
1745187	Replaced snubber on hanger 2MCA-SM-152	В
1745189	Replaced snubber on hanger 2MCA-CA-89	В
1745190	Replaced snubber on hanger 2MCR-NI-4556	Α
1745191	Replaced snubber and 3/8" bolt at bracket on	В
	hanger 2MCR-NI-4043	
1745192	Replaced snubber on hanger 2MCR-NI-4716	В
1745194	Replaced snubber on hanger 2MCA-NI-4722	В
1745195	Replaced snubber on hanger 2MCA-CA-56	В
1745197	Replaced snubber on hanger 2MCA-SM-104	В
1745201	Replaced snubber on hanger 2MCA-ND-5580	В
1745202	Replaced snubber on hanger 2MCA-ND-6181	B ·
1745204	Replaced snubber on hanger 2MCA-SM-19	В
1745205	Replaced snubber on hanger 2MCA-SM-20	В.
1745206	Replaced snubber on hanger 2MCA-SM-153	В
1745207	Replaced snubber on hanger 2MCR-NI-4661	. A
1745208	Replaced snubber on hanger 2MCA-SM-74	B
1745209	Replaced snubber on hanger 2MCA-SM-283	В
1745285	Replaced bolting material at inlet and outlet flange at valve 2NS2	В
1747839	Replaced material on hanger 2MCA-BB-5489	В
1750367-01	Replaced bolting material in flange at valve 2NV220	В
1751042	Replaced control valves on snubber at upper lateral support SG-A	В
1751150	Replaced disc and bonnet on valve 2NM6	В
1761865	Replaced item 9 and 10 on hanger 2MCR-NV-4218	В
1761865-01	Replace valve 2NV841 and associated piping	Α
1761865-13	Replaced item 2 on hanger 2MCR-NV-4781	В
1769371	Replaced valve 2NC3	Α
1799893	Replaced pivot pin in hanger 2MCA-CA-87	В

Work Order	Identification Number	ISI
		Class
1801521-01	Seal welded body to bonnet on valve 2NI349	Α
1802555	Replaced snubber on hanger 2MCA-S-NV-535-01-H	В
1802706	Replaced load pin in hanger 2MCR-NI-4025	Α
1802766-01	Repaired weld 2RCHP-IN	В
1802942	Replace items 3, 4, and 5 on hanger 2MCR-NV-	В
	5055	
1803324	Replace snubbers on hanger 2MCR-NV-4106	Α
1803674	Replace snubber and adapter plate on hanger	Α
	2MCR-NC-4272	
1804042	Replace snubber on hanger 2MCA-NV-5315	В

# 5.2 Class 3 Preservice Examinations

The Class 3 NIS-2 forms are not required by code for reporting purposes. The Class 3 forms are listed here to assist in the ISI Plan review process.

Work Order	Identification Number	ISI
		Class
583573-07	Weld build-up on top and bottom of casing	С
	2RNPU0004	
1699256	Piping added to RN system per MD200353	С
1699326-01	Replaced studs and nuts in flange 2KC4-FI2 at	C
	valve 2KC57A	
1699327-01	Replace bolting material in flange at valve 2KC82	С
1730869-39	Install new hanger on 2MCA-RN-3404	. C
1730869-40	Install new hanger 2MCA-RN-3405	· C
1730869-41	Install new hanger 2MCA-RN-3406	С
1730869-42	Install new hanger 2MCA-RN-3407	С
1730869-43	Install new hanger 2MCA-RN-3408	C
1730869-44	Install new hanger 2MCA-RN-3409	С
1730869-45	Install new hanger 2MCA-RN-3410	С
1730869-46	Install new hanger 2MCA-RN-3411	С
1730869-47	Install new hanger*2MCA-RN-3412	С
1730869-65	Added piping and valves 2RN1086 and 2RN1087	С
1734686	Replace bolting in filter trap at flange 2NVFL0051	С
1745180	Replace snubber and mounting bolting material on	C
,	hanger 2MCA-NB-14	
1745196	Replace snubber on hanger 2MCA-KC-3030	С
1758578	Replaced bolting material in bonnet on valve 2LD32	С

Work Order	Identification Number	ISI
		Class
1763015-26	Installed new hanger on 2MCA-RN-3413	С
1763015-32	Added piping and valves 2RN408 and 2RN410	С
1763015-46	Installed new hanger on 2MCA-RN-3413	С
1763617-32	Replaced valve 2RN69	С
1763617-60	Added item 12 on hanger 2MCA-CA-5625	С
1764228-32	Cut out and replace valve 2CA86	С
1785753	Added piping and valves 2RN404 and 2RN409	С
1801758	Replaced snubber on hanger 2MCA-KC-3332	C
1801841	Replaced snubber on hanger 2MCA-RN-3019	С
1802868	Added piping on RN System	С
1802998	Replaced valve 2RN285	С
1805056	Replaced snubber on hanger 2MCA-CA-128	С

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

			As Required By 1	The Pictisions Of The ASI	ME Code Section XI			
1.	Owner Address:	Duke Power Company	•				1a. Date <u>1</u>	March 18, 2008
		526 S. Church Street, Charlott	e, NC 28201-1006				Sheet	<u>1</u> of <u>1</u>
2.	Plant Address:	McGuire Nuclear Station						
		12700 Hagers Ferry Road, Hu	ntersville, NC 28078					
2a.	. Unit: □1 🖾2	□3 □Shared (specify Units		)				
3.	Work Performed By Address:	y: <u>Duke Power Company</u> 526 S. Church Street, Charle	otte NC 28201-1006		3a. W	ork Orde	r # : 558698 Repair Organization	Job#
	Type Code Symbol	Stamp: <u>N/A</u> Authorization No.	N/A Expiration Date: N/	<u>'A</u>	3b. N	SM or MN	1#: <u>N/A</u>	
4.	(a) Identification of	of System: NC - Reactor Cools	ant	4. (b) Class	of System: B			
5.	(a) Applicable Coi (b) Applicable Edi	nstruction Code: <u>ASME III</u> 19 <u>71</u> tion of Section XI Utilized for Re	Edition, <u>Summer and W</u> pair / Replacement Activ	<u>/inter</u> Addenda, vity: 1998, 2000 Adden	N/A da_(1998 through 20	000 Adder	Code	Cases d CC and their sup
3.	Identification of Co	mponents:	·		•			
_	Column 1	Column 2	Column 3	Column 4	Column 5	Col 6	Column 7	Column 8
	Name of Component	Name of Mfg	Mfg Serial No.	, National Board No.	Other Identification	Year Built	Corrected, Removed, or Installed	ASME Code Stamped (yes or no)
1	Upper lateral	Duke Power	88765043/2	N/A	N/A	N/A	☐ Repaired, ☐ Replaced,	☑ No
	support S/G [	<b>I</b>	'				☑ Replacement	□ Yes
3							☐ Repaired,	□ No

Ĺ	Column 1	Column 2	Column 3	Column 4	Column 5	Col 6	Column 7	Column 8
	Name of Component	Name of Mfg	Mfg Serial No.	National Board No.	Other Identification	Year Built	Corrected, Removed, or Installed	ASME Code Stamped (yes or no)
Α							☐ Repaired,	☑ No
l	Upper lateral	Duke Power	88765043/2	N/A	N/A	N/A	☐ Replaced,	
	support S/G D						☑ Replacement	□ Yes
В							☐ Repaired,	□No
	Upper lateral	Duke Power	88765043/9	N/A	N/A	N/A	☐ Replaced,	
	support S/G D						☐ Replacement	□ Yes
C							☐ Repaired,	□ No
							☐ Replaced,	
		·					☐ Replacement	□ Yes
D							☐ Repaired,	□No
						ļ	☐ Replaced,	
]					· · · · · ·		☐ Replacement	☐ Yes
E							☐ Repaired,	□ No
	} .				·		☐ Replaced,	
	<u>i.                                    </u>						☐ Replacement	☐ Yes
F							☐ Repaired,	□No
]						İ	☐ Replaced,	
							☐ Replacement	☐ Yes

7.	Description of Work Replaced snubber.	
	Tests Conducted:Hydrostatic ☐ Pneumatic ☐ Nom. Operating Press. ☐ Other ☐ Exemp  Pressurepsig	t⊠
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  Signed FL Grass Jr,QA Tech Specialist 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 2-26-00 to 3-17-08; and state that to the best of my 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.    Description	

# FORM NIS-2 OWNER'S REPO' OR REPAIR / REPLACEMENT ACTIVITY As Required By The Processions Of The ASME Code Section XI

										-
1.	Owner Address:	Duke Pov	ver Company					1a. Date <u>S</u>	September 13, 2007	
		526 S. Ch	urch Street, Charlotte,	NC 28201-1006		•		Sheet	_1_ of _1	
2.	Plant Address:	McGuire I	Nuclear Station							
*		12700 Ha	gers Ferry Road, Hunt	ersville, NC 28078	•			)		
2a.	Unit: □1 ☑2		Shared (specify Units _		)			,		
3.	Work Performed B Address:		ower Company Church Street, Charlot	te NC 28201-1006		3a. W	ork Orde	r#: 572524 Repair Organization	Job #	
	Type Code Symbo	Stamp: N/	A uthorization No. No. 1	<u>I/A</u> Expiration Date: N	<u>/A</u>	3b. N	SM or MN	1#:N/A		
4.	(a) Identification of	f System:	ND - Residual Heat I	Removal	4. (b) Class	of System: B		· · · · · · · · · · · · · · · · · · ·		
5.	(a) Applicable Co (b) Applicable Edi	nstruction ( tion of Sec	Code: <u>ASME III</u> 19 <u>71</u> E tion XI Utilized for Rep	dition, <u>Summer and V</u> air / Replacement Acti	Vinter Addenda,	N/A da_(1998 through 20	000 Adder		Cases d CC and their supp	or
6.	Identification of Co	mponents:		· ·						
	Column 1		Column 2	Column 3	Column 4	Column 5	Col 6	Column 7	Column 8	
	Name of Component		Name of Mfg	Mfg Serial No.	National Board No.	Other Identification	Year Built	Corrected, Removed, or Installed	ASME Code Stamped (yes or no)	
Α	2ND-3	·	Dresser	TH-03997	1937	N/A	1987	☐ Repaired, ☐ Replaced,	□No	
				·			ļ	☑ Replacement	☑ Yes	
В							-	☐ Repaired,	□No	
					,			☐ Replaced, ☐ Replacement	□Yes	
C			· · · · · · · · · · · · · · · · · · ·			<del> </del>		☐ Repaired,	□No	
								☐ Replaced,		•
:							<u> </u>	☐ Replacement	☐ Yes	
D							[	☐ Repaired,	□No	
				: 1				☐ Replaced, ☐ Replacement	□ Yes	
ı	ł .	1	i i		I	1	1	l m i sebiaceinem	, ,	

E

□ No

☐ Yes □No

☐ Yes

☐ Replacement
☐ Replaced,
☐ Replacement
☐ Replaced,
☐ Replaced,
☐ Replaced,
☐ Replaced,
☐ Replacement

CERTIFICATE OF INSERVICE INSPE  I, the undersigned, holding a valid commission issued by the Pressure Vessel Inspectors and the State or Province of North HSB CT have inspected the components described in this Own P-II-DI to P-II-DI; and state that to the best of my line has performed examinations and taken corrective measures of accordance with the requirements of ASME Code, Section XI. By signing this certificate neither the Inspector nor his employer or implied, concerning the examinations and corrective measures the property for the implementation of the impleme		
Pressure		ıt⊡
(Applicable Manufacturer's Data Reports to CERTIFICATE OF COMPLIANC I certify that the statements made in the report are correct and of the ASME Code, Section XI.  Type Code Symbol Stamp N/A Certificate of Authorization No. N/A  Signed FL Grass Jr, QA Tech Specialist Owner of Owner's Designee, Title  CERTIFICATE OF INSERVICE INSPE  I, the undersigned, holding a valid commission issued by the I Pressure Vessel Inspectors and the State or Province of Nor HSB CT have inspected the components described in this has performed examinations and taken corrective measures of accordance with the requirements of ASME Code, Section XI. By signing this certificate neither the Inspector nor his employ or implied, concerning the examinations and corrective measures any personal injury or property damage or a loss of any kind a inspection.		
CERTIFICATE OF COMPLIANCE I certify that the statements made in the report are correct and of the ASME Code, Section XI.  Type Code Symbol Stamp N/A Certificate of Authorization No. N/A  Signed FL Grass Jr,QA Tech Specialist Owner of Owner's Designee, Title  CERTIFICATE OF INSERVICE INSPE  I, the undersigned, holding a valid commission issued by the Pressure Vessel Inspectors and the State or Province of North HSB CT have inspected the components described in this Owner of the Code, Section XI. By signing this certificate neither the Inspector nor his employer in any personal injury or property damage or a loss of any kind a inspection.  Drova L. Way Jerome F Swan Commissions		
I certify that the statements made in the report are correct and of the ASME Code, Section XI.  Type Code Symbol Stamp N/A Certificate of Authorization No. N/A  Signed FL Grass Jr,QA Tech Specialist Owner of Owner's Designee, Title  CERTIFICATE OF INSERVICE INSPE  I, the undersigned, holding a valid commission issued by the N Pressure Vessel Inspectors and the State or Province of Nor HSB CT have inspected the components described in this Own  1-1-01 to 9-17-07; and state that to the best of my I has performed examinations and taken corrective measures of accordance with the requirements of ASME Code, Section XI. By signing this certificate neither the Inspector nor his employ or implied, concerning the examinations and corrective measures or implied to the province of th	Te valve is placed line the system.	
I certify that the statements made in the report are correct and of the ASME Code, Section XI.  Type Code Symbol Stamp N/A Certificate of Authorization No. N/A  Signed FL Grass Jr,QA Tech Specialist Owner of Owner's Designee, Title  CERTIFICATE OF INSERVICE INSPE  I, the undersigned, holding a valid commission issued by the N Pressure Vessel Inspectors and the State or Province of Nor HSB CT have inspected the components described in this Own  1-1-01 to 9-17-07; and state that to the best of my I has performed examinations and taken corrective measures of accordance with the requirements of ASME Code, Section XI. By signing this certificate neither the Inspector nor his employ or implied, concerning the examinations and corrective measures or implied to the province of th		
I certify that the statements made in the report are correct and of the ASME Code, Section XI.  Type Code Symbol Stamp N/A Certificate of Authorization No. N/A  Signed FL Grass Jr,QA Tech Specialist Owner of Owner's Designee, Title  CERTIFICATE OF INSERVICE INSPE  I, the undersigned, holding a valid commission issued by the N Pressure Vessel Inspectors and the State or Province of Nor HSB CT have inspected the components described in this Own  1-1-01 to 9-17-07; and state that to the best of my I has performed examinations and taken corrective measures of accordance with the requirements of ASME Code, Section XI. By signing this certificate neither the Inspector nor his employ or implied, concerning the examinations and corrective measures or implied to the province of th		
I certify that the statements made in the report are correct and of the ASME Code, Section XI.  Type Code Symbol Stamp N/A Certificate of Authorization No. N/A  Signed FL Grass Jr, QA Tech Specialist Owner of Owner's Designee, Title  CERTIFICATE OF INSERVICE INSPE  I, the undersigned, holding a valid commission issued by the N Pressure Vessel Inspectors and the State or Province of Nor HSB CT have inspected the components described in this Ow  1-11-07 to 9-17-07; and state that to the best of my N has performed examinations and taken corrective measures of accordance with the requirements of ASME Code, Section XI. By signing this certificate neither the Inspector nor his employer or implied, concerning the examinations and corrective measurements. Furthermore, neither the Inspector nor his employer is any personal injury or property damage or a loss of any kind a inspection.	o be attached)	
I certify that the statements made in the report are correct and of the ASME Code, Section XI.  Type Code Symbol Stamp N/A Certificate of Authorization No. N/A  Signed FL Grass Jr, QA Tech Specialist Owner of Owner's Designee, Title  CERTIFICATE OF INSERVICE INSPE  I, the undersigned, holding a valid commission issued by the N Pressure Vessel Inspectors and the State or Province of Nor HSB CT have inspected the components described in this Ow  1-11-07 to 9-17-07; and state that to the best of my N has performed examinations and taken corrective measures of accordance with the requirements of ASME Code, Section XI. By signing this certificate neither the Inspector nor his employer or implied, concerning the examinations and corrective measurements. Furthermore, neither the Inspector nor his employer is any personal injury or property damage or a loss of any kind a inspection.	NCE	•
Signed FL Grass Jr, QA Tech Specialist Owner of Owner's Designee, Title  CERTIFICATE OF INSERVICE INSPE  I, the undersigned, holding a valid commission issued by the N Pressure Vessel Inspectors and the State or Province of Nor HSB CT have inspected the components described in this Ow  1-11-01 to 9-17-07; and state that to the best of my N has performed examinations and taken corrective measures of accordance with the requirements of ASME Code, Section XI. By signing this certificate neither the Inspector nor his employer or implied, concerning the examinations and corrective measures or implied to the first provide the first provid		
CERTIFICATE OF INSERVICE INSPE  I, the undersigned, holding a valid commission issued by the Inspectors and the State or Province of North HSB CT have inspected the components described in this Own 1-11-07 to 9-17-07; and state that to the best of my linear has performed examinations and taken corrective measures of accordance with the requirements of ASME Code, Section XI. By signing this certificate neither the Inspector nor his employer or implied, concerning the examinations and corrective measures any personal injury or property damage or a loss of any kind a inspection.    Province   Province   North Inspector    Expiration Date <u>N/A</u>		
I, the undersigned, holding a valid commission issued by the Pressure Vessel Inspectors and the State or Province of Nor HSB CT have inspected the components described in this Ow 1-11-01 to 9-17-01; and state that to the best of my has performed examinations and taken corrective measures of accordance with the requirements of ASME Code, Section XI. By signing this certificate neither the Inspector nor his employer or implied, concerning the examinations and corrective measures Report. Furthermore, neither the Inspector nor his employer sany personal injury or property damage or a loss of any kind a inspection.	Date 9/13/2007	
I, the undersigned, holding a valid commission issued by the Pressure Vessel Inspectors and the State or Province of Nor HSB CT have inspected the components described in this Ow 1-11-01 to 9-17-01; and state that to the best of my has performed examinations and taken corrective measures of accordance with the requirements of ASME Code, Section XI. By signing this certificate neither the Inspector nor his employer or implied, concerning the examinations and corrective measures Report. Furthermore, neither the Inspector nor his employer sany personal injury or property damage or a loss of any kind a inspection.		
Jewnet - Lwan Jerome F Swan Commissions	e National Board of Boiler and lorth Carolina and employed by Dwner's Report during the period y knowledge and belief, the Owner s described in this Owner's Report in XI. Dyer makes any warranty, expressed usures described in this Owner's ar shall be liable in any manner for	
Inspector's Signature National Boa  Date 9-17, 2007	NC1524, N-I oard, State, Province and Endorsements	

### FORM NIS-2 OWNER'S REPO' FOR

FOR REPAIR / REPLACEMENT ACTIVITY

	, 5.	As Required By The Psions Of The ASME Code Section XI	
Owner Address	: Duke Power Company		1

١.	Owner Address:	Duke Power Company	•		ra. Date April 9, 2006
		526 S. Church Street, Charlotte, NC 28201-1006			Sheet _ 1 _ of _1
2.	Plant Address:	McGuire Nuclear Station			
		12700 Hagers Ferry Road, Huntersville, NC 28078			
2a.	Unit: □1 ☑2	□3 □Shared (specify Units		-	
3.	Work Performed B	y: <u>Duke Power Company</u>	•	3a. Work Order #:	586253
	Address:	526 S. Church Street, Charlotte NC 28201-1006			Repair Organization Job #
	Type Code Symbol	Stamp: $N/A$ Authorization No. $N/A$ Expiration Date: $N/A$	<u>.</u>	3b. NSM or MM #:_	N/A
4.	(a) Identification of	f System: NV – Chemical and Volume Control	4. (b) Class of System: _		
5.		nstruction Code: <u>ASME III</u> 19 <u>71</u> Edition, <u>Summer and Win</u> tion of Section XI Utilized for Repair / Replacement Activity		ough 2000 Addenda fo	Code Cases or 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)
Α	2-NV-VA-483	Dresser	TEO9055	414.	N/A	1978	☐ Repaired, ☐ Replaced,	□ No
В	·	:				-	☐ Replacement ☐ Repaired, ☐ Replaced, ☐ Replacement	☑ Yes □ No □ Yes
С			·				☐ Repaired, ☐ Replaced, ☐ Replacement	□ No
D							☐ Repaired, ☐ Replaced, ☐ Replacement	□ No
Е	·				٠.		☐ Repaired, ☐ Replaced, ☐ Replacement	□ No
F							☐ Repaired, ☐ Replaced, ☐ Replacement	□ No □ Yes

7.	Description of Work Replaced body to bonnet bolting.	
	Tests Conducted:Hydrostatic ☐ Pneumatic ☐ Nom. Operating Press. ☑ Other ☐ Exempt  Pressurepsig Test Temp°F  Pressurepsig Test Temp°F  Pressurepsig Test Temp°F	: 🗆
9.	Remarks Functional performed per task 3.	
	(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  Signed House FL Grass Jr, QA Tech Specialist Owner of Owner's Designee, Title	
	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 3-14-08 to 440-18; and state that to the best of my 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.    Provided House   Commissions NC1524, N-I   National Board, State, Province and Endorsements   National Board, State, Province and Endorse   National Board, State, Province and Endors	

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

			710 Flequiled By	THE PICASIONS OF THE ASIV	12 0000 000001741			
1.	Owner Address:	Duke Power Company					1a. Date	April 09, 2008
		526 S. Church Street, Charlot	te, NC 28201-1006				Sheet	<u>1</u> of <u>1</u>
2.	Plant Address:	McGuire Nuclear Station						
		12700 Hagers Ferry Road, Hu	intersville, NC 28078					
2a	Unit: □1 ☑2	□3 □Shared (specify Units		1	-		•	
<u>-u</u> .	O ,	Lo Lonarda (opoony oma		<del></del> /			•	
3.	•	y: Duke Power Company	I-W- NO 00001 1000		3a. W	ork Orde	r#:590178_	
	Address:	526 S. Church Street, Char	ioπe INC 28201-1006				Repair Organization	Job #
	Type Code Symbol	Stamp: N/A Authorization No.	N/A Expiration Date: N	<u>/A</u>	3b. N	SM or MN	/ #: <u>N/A</u>	
4.	(a) Identification o	f System: <u>NS – Containment</u>	Spray	4. (b) Class	of System: B	<u> </u>		
5.	(a) Applicable Cor (b) Applicable Edi	nstruction Code: <u>ASME III</u> 19 <u>71</u> tion of Section XI Utilized for Re	Edition, <u>Summer and V</u> epair / Replacement Active	Vinter Addenda, vity: 1998, 2000 Addend	N/A da_(1998 through 20	00 Adder		Cases d CC and their support
6.	Identification of Co	mponents:						
	Column 1	Column 2	Column 3	Column 4	Column 5	Col 6	Column 7	Column 8
	Name of Component	Name of Mfg	Mfg Serial No.	National Board No.	Other Identification	Year Built	Corrected, Removed, or Installed	ASME Code Stamped (yes or no)
A							☐ Repaired,	□ No
	2-NS-VA-44	Kerotest	SI8-8	411	N/A	1973	☐ Replaced,	
							☑ Replacement	☑ Yes
В							☐ Repaired,	□No
							☐ Replaced,	
							☐ Replacement	☐ Yes
С						ļ	☐ Repaired,	□No
						1	☐ Replaced, ☐ Replacement	□ Yes
D						<del> </del>	☐ Replacement	□ No
		·					☐ Replaced,	
					194		☐ Replacement	□ Yes

Ε

F

□ No

☐ Yes ☐ No

☐ Yes

☐ Replacement
☐ Replaced,
☐ Replacement
☐ Replaced,
☐ Replaced,
☐ Replaced,
☐ Replacement

7.	Description of Work Replaced disc.	··
8.	Tests Conducted:Hydrostatic ☐ Pneumatic ☐ Nom. Operating Press. ☑ Other ☐ Exe	empt⊏
	Pressurepsig Test Temp°F Pressurepsig Test Temp°F Pressurepsig Test Temp°F	
9.	Remarks Functional preformed per task 03.	
	(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 4/9/2003 Owner or Owner's Designee, Title	
•		•
	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 3-16-08 to 4-10-08 and state that to the best of my 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.  Orange Juran Jerome F Swan Commissions NC1524, N-I Inspector's Signature National Board, State, Province and Endorsements	·
	Date <u>4-10-2008</u>	

# FORM NIS-2 OWNER'S REPO! OR REPAIR / REPLACEMENT ACTIVITY As Required By The Promisions Of The ASME Code Section XI

1.	Owner Address:	Duke Power Company	1a. Date March 18, 2008
		526 S. Church Street, Charlotte, NC 28201-1006	Sheet <u>1</u> of <u>1</u>
2.	Plant Address:	McGuire Nuclear Station	
		12700 Hagers Ferry Road, Huntersville, NC 28078	
2a.	Unit: □1 Ø2	□3 □Shared (specify Units)	
3.	Work Performed B Address:		590831-01 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	of System: FW- 4. (b) Class of System: B	
5.		nstruction Code: <u>ASME III</u> 19 <u>71</u> Edition, <u>Summer and Winter</u> Addenda, <u>N/A</u> tion of Section XI Utilized for Repair / Replacement Activity: <u>1998, 2000 Addenda</u> (1998 through 2000 Addenda for	Code Cases Class MC and CC and their supports)
6.	Identification of Co	mponents:	

	Column 1	Column 2	Column 3	Column 4	Column 5	Col 6	Column 7	Column 8
	Name of Component	Name of Mfg	Mfg Serial No.	National Board No.	Other Identification	Year Built	Corrected, Removed, or Installed	
Α	2FW-VA-28	Walworth	C56162	127	N/A	1974	☐ Repaired, ☐ Replaced,	□No
В							☐ Replacement☐ Repaired,☐ Replaced,☐ Replacement	☑ Yes □ No □ Yes
С							☐ Repaired, ☐ Replaced, ☐ Replacement	□ No □ Yes
D						,	☐ Repaired, ☐ Replaced, ☐ Replacement	□ No □ Yes
E					\ <u>\</u>		☐ Repaired, ☐ Replaced, ☐ Replacement	□ No □ Yes
F					·		☐ Repaired, ☐ Replaced, ☐ Replacement	□ No □ Yes

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

7.	Description of Work Replaced 10 bonnet studs and 20 nuts.
8.	Tests Conducted:Hydrostatic ☐ Pneumatic ☐ Nom. Operating Press. ☑ Other ☐ Exempt
	Pressurepsig Test Temp°F Pressure psig Test Temp. °F
9.	Pressurepsig Test Temp°F Pressurepsig Test Temp°F Remarks functional performed per task 09.
	(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  Signed FL Grass Jr, QA Tech Specialist  Date 3/18/2008
	CERTIFICATE OF 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 3-16-08 to 3-19-08, and state that to the best of my 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.    Mational Board, State, Province and Endorsements   National Board, State, Province and Endors
	Date 3-19-, 2008

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

 011111111111111111111111111111111111111	O, 1 1 12 1 1 1 1 1 1 2 1 0 2 1 1 2 1 1 1 1
As Required By The Pic	visions Of The ASME Code Section XI

1.	Owner Address:	Duke Power Company					1a. Date <u>/</u>	April 8, 2008
		526 S. Church Street, Charlotte	e, NC 28201-1006				Sheet _	of _1
2.	Plant Address:	McGuire Nuclear Station						+ *
		12700 Hagers Ferry Road, Hu	ntersville, NC 28078		-			
2a.	Unit: □1 🗹2	□3 □Shared (specify Units	<u> </u>	)			•	
3.	Work Performed By Address:	7: <u>Duke Power Company</u> 526 S. Church Street, Charle	otte NC 28201-1006		3a. W	ork Orde	#: 590831 - Repair Organization	
	Type Code Symbol	Stamp: N/A Authorization No.	N/A Expiration Date: N	<u>\/A</u>	3b. N	SM or MM	1#: <u>N/A</u>	·
4.	(a) Identification o	f System: <u>FW- Refueling Wate</u>	r	4. (b) Class	of System: B	_		
5.	(a) Applicable Cor (b) Applicable Edit	nstruction Code: <u>ASME III</u> 19 <u>71</u> tion of Section XI Utilized for Re	Edition, <u>Summer and \</u> pair / Replacement Act	<u>Winter</u> Addenda, ivity: 1998, 2000 Adden	N/A da_(1998 through 20	00 Adder	Code nda for Class MC and	
6.	Identification of Co	mponents:						
	Column 1	Column 2	Column 3	Column 4	Column 5	Col 6	Column 7	Column 8
	Name of Component	Name of Mfg	Mfg Serial No.	National Board No.	Other Identification	Year Built	Corrected, Removed, or Installed	ASME Code Stamped (yes or no)
Α	2FW-VA-28	Walworth	C56162	127	N/A	1974	☐ Repaired, ☐ Replaced, ☑ Replacement	□ No ☑ Yes
В							☐ Repaired, ☐ Replaced,	□No

	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							☐ Repaired,	□No
	2FW-VA-28	Walworth	C56162	127	N/A	1974	☐ Replaced,	
							☑ Replacement	
В							☐ Repaired,	□No
1			İ			1	☐ Replaced,	
							☐ Replacement	☐ Yes
C							☐ Repaired,	□No
	1	ļ					☐ Replaced,	
							☐ Replacement	□Yes
D							☐ Repaired,	□No
1							☐ Replaced,	
l					***	-	☐ Replacement	□ Yes
E					٠.		☐ Repaired,	□No
						İ	☐ Replaced,	
							☐ Replacement	☐ Yes
F							☐ Repaired,	□ No
						1	☐ Replaced,	
1		<u>}</u>	]	)			☐ Replacement	□Yes

	7. Description of Work Machined 1" inspection port in bonnet and installed plug.	_
8.	Tests Conducted:Hydrostatic ☐ Pneumatic ☐ Nom. Operating Press. ☑ Other ☐ Exempt	
	Pressurepsig Test Temp°F Pressurepsig Test Temp°F Pressurepsig Test Temp°F	
9.	Remarks functional performed on task 26 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 <u>N/A</u> Certificate of Authorization No. <u>N/A</u> Expiration Date <u>N/A</u>	
	Signed FL Grass Jr, QA Tech Specialist Date 4/8/2008 Owner or Owner's Designee, Title	
. (	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 3-12-05 to 4-2-05; 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.    Province and Endorsements   National Board, State, Province and Endorsements   N	

# FORM NIS-2 OWNER'S REP( FOR REPAIR / REPLACEMENT ACTIVITY As Required By The . . . visions Of The ASME Code Section XI

1.	Owner Address:	Duke Power Company		1a. Date <u>April 10, 2008</u>
•		526 S. Church Street, Charlotte, NC 28201-1006		Sheet <u>1</u> of <u>1</u>
2.	Plant Address:	McGuire Nuclear Station		
		12700 Hagers Ferry Road, Huntersville, NC 28078		
2a.	Unit: □1 ☑2	□3 □Shared (specify Units)		
3.	Work Performed B Address:	y: Duke Power Company 526 S. Church Street, Charlotte NC 28201-1006	3a. Work Order #:_	592071-02 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	f System: <u>BB - Steam Generator Blowdown Recycle</u> 4. (b) Class of System:	В	
5.		nstruction Code: <u>ASME III</u> 19 <u>71</u> Edition, <u>Summer and Winter</u> Addenda, <u>N/A</u> tion of Section XI Utilized for Repair / Replacement Activity: <u>1998, 2000 Addenda</u> (1998 thro	ugh 2000 Addenda fo	Code Cases r Class MC and CC and their supports)
6.	Identification of Co	mponents:		

	Column 1	Column 2	Column 3	Column 4	Column 5	Col 6	Column 7	Column 8
	Name of Component	Name of Mfg	Mfg Serial No.	National Board No.	Other Identification	Year Built	Corrected, Removed, or Installed	ASME Code Stamped (yes or no)
A	2BB-VA-1	Borg Warner	29936	1045	N/A	1978	☐ Repaired, ☑ Replaced,	□ No
В						<del> </del>	☐ Replacement☐ Repaired,	☑ Yes □ No
	2BB-VA-1	Flowserve Corp	E-496P-1-1	2223	N/A	1999	☐ Replaced, ☐ Replacement	☑ Yes
С			***************************************				☐ Repaired, ☐ Replaced,	□No
				,			☐ Replacement	☐ Yes
D							☐ Repaired, ☐ Replaced,	□No
E							☐ Replacement☐ Repaired,☐ Replaced,☐	☐ Yes ☐ No
							☐ Replacement	□ Yes
F							☐ Repaired, ☐ Replaced,	□ No
						<u></u>	☐ Replacement	☐ Yes

7.	Description of Work Replaced material per MD201761.
8.	Tests Conducted:Hydrostatic ☐ Pneumatic ☐ Nom. Operating Press. ☑ Other ☐ Exempt☐  Pressurepsig Test Temp°F  Pressurepsig Test Temp°F  Pressurepsig Test Temp°F
9. —	Remarks Functional test performed per task 02.
	(Applicable Manufacturer's Data Reports to be attached)
	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  Signed FL Grass Jr, QA Tech Specialist Owner or Owner's Designee, Title  CERTIFICATE OF COMPLIANCE  Expiration Date N/A  Date 4/142008
,	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 2-14-08 to 4-14-08 and state that to the best of my 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.    Notional Board, State, Province and Endorsements   Date 4-14-2008

# FORM NPV-1 MANUFACTURERS' DATA REPORT FOR NUCLEAR PUMPS OR VALVES

# As Required by the Provisions of the ASME Code Rules

Flowsery 701 First	ve Corp. st Street, Williamsport,	PA 17701 Order	No_E496P-1				
	(Name & Address of Manuscium	<b>●</b> ₹)					
Duke Energy Corpor	ration, P.O. Box 1015, Ch	narlotte, NC.	No. MN 49678				
	(Name and Address)	28201-1015.					
Owner Duke Energy (	Corporation						
Location of Plant McGuire Nuclear Station, 13225 Hagers Ferry Rd., Huntersville, NC.							
5. Pump or Valve Identification Valve, Two (2), 2"-1500#- Gate Valve.							
•	196P-1-1 and E496P-1-2 (Brief description of service for which						
	(Brief description of service for which	edmbmaur was geergued)					
74450	R/C Prepared by Flor	wserve Corp.					
(b) National Board No. NB# 2							
Design Conditions 3600	(Pressure) pai 10	O oF	2				
The material, design, construc	tion, and workmanship complies with	h ASME Code Section III. Class					
1971	Addenda Dace (S) 1973	. N/A	•				
Edition	Addenda Date (3)	, Case No					
Mark No.	Material Spec. No.	. Manufacturer	Remarks				
(a) Castings	"O COST CEOM	CMI	<u> </u>				
Disc: Pc#1, Pc	#2 SA351_CF8M	CMI	· · · · · · · · · · · · · · · · · · ·				
		C					
(b) Forgings			<del></del>				
Body: SN 11, SN 1	2 SA182-F316	BW/IP Pump Div.	<b>──</b>				
RS# 303856; T/C:	A5						
Bonnet: PC# 1, P	C# 2 SA182-F316	Mid-Southern	INV)				
HT# L49056			AKAM"				
•			O <del>. tr. K</del>				
			(M-It				
			<del></del>				

	Mark No.	Material Spec. No.	Manufacturer	Remarks				
(c)	Bolting							
(3)	N/A		·	R2				
		·						
	****							
(d) Other Parts								
	N/A							
*								
	5100	·	*					
8. Hvdro	5400 static testpsi	•	ř					
•	C	ERTIFICATION OF I	DESIGN					
	Flowcomus C	omnomation Will	Liamenont DA 17	701				
	information on file at Flowserve C	Same as above	i ialispurt, PA. 17	701				
Stress	analysis report on file at			50 /237				
Design	specifications certified by R. E. Mi	N/A	(1) Prof. Eng. State	30 Reg. No. 4237				
	analysis report certified by	IN/ A	(1) Prof. Eng. Scate_	Reg. No				
(1) Sign	nature not required. List name only.		•	,				
Wa cass	tify that the statements made in this repo							
we cert	•	it are correct.	RRD	NIVOI				
Date	10/21/99 19 Signed _	Flowserve Corp.	By KRIJ	afor				
	•	(Manufacturer)	,					
Certific	cate of Authorization No. N1.712	_ expires4/15/01	<u> </u>					
		·	· · · · · · · · · · · · · · · · · · ·					
<del></del>		· · · · · · · · · · · · · · · · · · ·						
	CERTI	FICATE OF SHOP IN	ISPECTION	1				
				•.				
	ne undersigned, holding a valid commiss							
	the State of Review of Bonneylvan	•						
	Boston, MA on 4-12-lin 10-2-819, 99		neve inspected the equipme					
has con	structed this equipment in accordance wi	th the applicable Subse	best of my knowledge and	rion III				
By :	signing this ceffillicate, neither the insc	ector not his employer.	makes any warranty avoice	ered or implied concern.				
mk me	ing 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.							
	The state of the s							
	10-10 09	•						
Date		<del></del>	•					
				•				
( 9	Ma la Tourse		<b>a</b>	110000000				
	(inspecies) Charles Young	——— Commissions —	Pennsylvania 23 (National Board, State,					
	July 10 ung		/					

### FORM NIS-2 OWNER'S REPOR. OR REPAIR / REPLACEMENT ACTIVITY

				As Required By T	he Provisions Of The ASM	E Code Section XI				
1.	Owner Address:	Duke	Power Company		•	,		1a. Date <u>A</u>	pril 3, 2008	
		<u>526 S</u>	. Church Street, Charlotte	NC 28201-1006	•			Sheet _	<u>1</u> of <u>1</u>	
2.	Plant Address:	McGu	ire Nuclear Station	· · · · · · · · · · · · · · · · · · ·				•		
		12700	) Hagers Ferry Road, Hun	tersville, NC 28078		·				
2a.	. Unit: □1  ☑2	□3	☐Shared (specify Units	<u> </u>	)					
3.	Work Performed By Address:		ke Power Company S.S. Church Street, Charlo	tte NC 28201-1006	·	3a. W	ork Ordei	#: 592071 - Repair Organization		
	Type Code Symbol Stamp: N/A Authorization No. N/A Expiration Date: N/A 3b. NSM or MM #: N/A									
4.	(a) Identification of	f Syste	m: BB - Steam Genera	tor Blowdown Recycl	e 4. (b)	Class of System	n: <u>B</u>	·		
5.	(a) Applicable Co (b) Applicable Edi	nstructi tion of	on Code: <u>ASME III</u> 19 <u>71</u> E Section XI Utilized for Rep	Edition, <u>Summer and W</u> pair / Replacement Activ	<u>/inter</u> Addenda, rity: 1998, 2000 Addend	N/A a_(1998 through 20	00 Adder		Cases I CC and their supp	orts)
6.	Identification of Co	mpone	nts:			•			•	
	Column 1		Column 2	Column 3	Column 4	Column 5	Col 6	Column 7	Column 8	
	Name of Component		Name of Mfg	Mfg Serial No.	National Board No.	Other Identification	Year Built	Corrected, Removed, or Installed	ASME Code Stamped (yes or no)	
Α								☐ Repaired,	☑ No	
	2MCA-BB-502	28	Duke Power	N/A	N/A	N/A	N/A	☐ Replaced,		
						,		☑ Replacement	□ Yes	•
В		.		,	-,			☐ Repaired,	□No	
						•		☐ Replaced, ☐ Replacement	□ Yes	
С								☐ Replacement	□ No	

	Name of Component	Name of Mig	Mitg Serial No.	ivational board ivo.	Other identification	rear built	Installed	(yes or no)
Α							☐ Repaired,	☑ No
	2MCA-BB-5028	Duke Power	N/A	N/A	N/A	N/A	☐ Replaced,	
			·		,		☑ Replacement	☐ Yes
В		······································	,				☐ Repaired,	□ No
1	1			=,			☐ Replaced,	
							☐ Replacement	□ Yes
C							☐ Repaired,	□ No
	1						☐ Replaced,	
	}		1		·		☐ Replacement	☐ Yes
D							☐ Repaired,	□No
			1				☐ Replaced,	
		•	÷			<u> </u>	☐ Replacement	☐ Yes
E							□ Repaired,	□ No
					٠ أ		☐ Replaced,	
	[						☐ Replacement	☐ Yes
F							☐ Repaired,	□No
			•				☐ Replaced,	
				1		1	☐ Replacement	☐ Yes

7.	Description of Work Replaced material per MD201761.	
8.	Tests Conducted:Hydrostatic ☐ Pneumatic ☐ Nom. Operating Press. ☐ Other ☐ Exc	empt⊠
9.	Pressurepsig Test Temp°F Pressurepsig Test Temp°F Pressurepsig Test Temp°F Remarks	
	(Applicable Manufacturer's Data Reports to be attached)	
	CERTIFICATE OF COMPLIANCE  I certify that the statements made in the report are correct and this conforms to the requirements of the ASME Code, Section XI.  Type Code Symbol Stamp N/A Certificate of Authorization No. N/A  Signed FL Grass Jr, QA Tech Specialist Owner or Owner's Designee, Title	
	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 HSBCT have inspected the components described in this Owner's Report during the period 3-27-08 to 4-4-08; and state that to the best of my 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.    Provided House of the Inspector of Inspector's Signature   National Board, State, Province and Endorsements	

#### FORM NIS-2 OWNER'S REPOR'1 . JR REPAIR / REPLACEMENT ACTIVITY

			As Required By T	he Provisions Of The ASM	E Code Section XI	•			
1.	Owner Address:	Duke Power Company				<del></del>	1a. Date <u>A</u>	pril 1, 2008	
		526 S. Church Street, Charlotte	NC 28201-1006				Sheet _	<u>1</u> of <u>1</u>	
2.	Plant Address:	McGuire Nuclear Station 12700 Hagers Ferry Road, Hun	tersville, NC 28078						
2a.	Unit: □1 ☑2	□3 □Shared (specify Units		)					
3.	Work Performed By Address:	/: <u>Duke Power Company</u> 526 S. Church Street, Charlo	tte NC 28201-1006		3a. W	ork Order	#: 592071 ~  Repair Organization		
	Type Code Symbol	Stamp: N/A Authorization No.	N/A Expiration Date: N/	A	3b. NS	SM or MM	1#: <u>N/A</u>		
4.	(a) Identification of	f System: <u>BB - Steam Genera</u>	tor Blowdown Recycle	e 4. (b) Class	of System: B				
5.	(a) Applicable Cor (b) Applicable Edi	nstruction Code: <u>ASME III</u> 19 <u>71</u> tion of Section XI Utilized for Rep	Edition, <u>Summer and W</u> pair / Replacement Activ	inter Addenda, ity: 1998, 2000 Addend	N/A la_(1998 through 20	00 Adden		Cases I CC and their supp	orts)
6.	Identification of Co	mponents:							
	Column 1	Column 2	Column 3	Column 4	Column 5	Col 6	Column 7	Column 8	
	Name of Component	Name of Mfg	Mfg Serial No.	National Board No.	Other Identification	Year Built	Corrected, Removed, or Installed	ASME Code Stamped (yes or no)	
Α	2MCA-BB-502	1 Duke Power	N/A	N/A	N/A	N/A	☐ Repaired, ☑ Replaced,	☑ No	·

	Column 1	Column 2	Column 3	Column 4	Column 5	Col 6	Column 7	Column 8
	Name of Component	Name of Mfg	Mfg Serial No.	National Board No.	Other Identification	Year Built	Corrected, Removed, or installed	ASME Code Stamped (yes or no)
Α							☐ Repaired,	☑ No
	2MCA-BB-5021	Duke Power	N/A	N/A	N/A	N/A	☑ Replaced,	
							☐ Replacement	☐ Yes
В							☐ Repaired,	□No
	)					Ì	☐ Replaced,	}
			·				☐ Replacement	☐ Yes
С							☐ Repaired,	□No
•	]					Ī	☐ Replaced,	Ì
	1						☐ Replacement	☐ Yes
D						1	☐ Repaired,	□No
	]		1				☐ Replaced,	
							☐ Replacement	☐ Yes
E							☐ Repaired,	□ No
_	1			•		1	☐ Replaced,	}
							☐ Replacement	☐ Yes
F							☐ Repaired,	□No
				,			☐ Replaced,	
1				1 .		1	☐ Replacement	☐ Yes

7.	Description of Work Replaced bolting material.
8.	Tests Conducted:Hydrostatic ☐ Pneumatic ☐ Nom. Operating Press. ☐ Other ☐ Exempt⊠
	Pressurepsig Test Temp°F Pressurepsig Test Temp°F Pressurepsig 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  Signed FL Grass Jr, QA Tech Specialist  Owner or Owner's Designee, Title
	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 3-28-08 to 4-2-08; and state that to the best of my 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.    Provided Head of the National Board, State, Province and Endorsements   National Board, State, Province and Endorsements

## FORM NIS-2 OWNER'S REPOR 1 . OR REPAIR / REPLACEMENT ACTIVITY As Required By The Provisions Of The ASME Code Section XI

1.	Owner Address:	Duke Power Company	·	1a. Date <u>April 10, 2008</u>
	•	526 S. Church Street, Charlotte, NC 28201-1006		Sheet _1 of _1
2.	Plant Address:	McGuire Nuclear Station		
		12700 Hagers Ferry Road, Huntersville, NC 28078		
2a.	Unit: □1 ☑2	□3 □Shared (specify Units)		
3.	Work Performed B	/ <del></del>	3a. Work Order #:_	592072-02
	Address:	526 S. Church Street, Charlotte NC 28201-1006		Repair Organization Job #
	Type Code Symbo	Stamp: N/A Authorization No. N/A Expiration Date: N/A	3b. NSM or MM #:	N/A
4.	(a) Identification of	f System: <u>BB - Steam Generator Blowdown Recycle</u> 4. (b) Class of System:	В	-
5.	(a) Applicable Co (b) Applicable Edi	nstruction Code: <u>ASME III</u> 19 <u>71</u> Edition, <u>Summer and Winter</u> Addenda, <u>N/A</u> tion of Section XI Utilized for Repair / Replacement Activity: <u>1998, 2000 Addenda</u> (1998 thro	ugh 2000 Addenda fo	Code Cases r Class MC and CC and their supports)
6.	Identification of Co	mponents:		

	Column 1	Column 2	Column 3	Column 4	Column 5	Col 6	Column 7	Column 8
	Name of Component	Name of Mfg	Mfg Serial No.	National Board No.	Other Identification	Year Built		ASME Code Stamped (yes or no)
Α	2BB-VA-3	Borg Warner	9089	105	N/A	1976	<ul><li>☐ Repaired,</li><li>☑ Replaced,</li></ul>	□ No
							☐ Replacement	☑ Yes
В							☐ Repaired,	□No
	2BB-VA-3	Flowserve Corp	53BDY	1554	N/A	2005	☐ Replaced,	
	·				·		☑ Replacement	☑ Yes
C							□ Repaired,	□No
l			•				☐ Replaced,	
ļ .		į į					☐ Replacement	☐ Yes
D							□ Repaired,	□ No
1							☐ Replaced,	Į
1							☐ Replacement	☐ Yes
E							☐ Repaired,	□ No
1						Ì	☐ Replaced,	
							☐ Replacement	☐ Yes
F	1				,		☐ Repaired,	□No
							☐ Replaced,	
1		]					☐ Replacement	☐ Yes

7.	Description of Work Replaced material per MD201761.
8.	Tests Conducted:Hydrostatic ☐ Pneumatic ☐ Nom. Operating Press. ☑ Other ☐ Exempt☐  Pressurepsig Test Temp°F
9.	Pressurepsig Test Temp°F Pressurepsig Test Temp°F Remarks <u>Functional test performed per task 02.</u>
	(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  Signed FL Grass Jr, QA Tech Specialist  Owner of Owner's Designee, Title  Date 4/10/208
	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 2-14-08; and state that to the best of my 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.    Commissions NC1524, N-I   National Board, State, Province and Endorsements

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

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

	Flowserve C	prporation, 1900	S. Saunders St., R	aleigh, NC 27603		·
Manufactured for <u>Duke I</u>	Energy Corp. Po	O Box 1015 Charlot	te. NC 28201-1015			
Location of Installation M		(Name and Addre	ss of Purchaser or Owner)	sville. NC 28078-8	985	
<u> </u>	•	(Name	and Address)			
Pump or Valve	Valve	Nominal Inle	Size 2"	Outlet Size	2 <sup>rd</sup>	
(a) Model No. Series No. or Type	(b) N Certificate Holder's Serial No.	(c) Canadian Registration No.	(d) Drawing No.	(e) Class	(f) Nat'L Bd. No.	(g) Year Built
(1) 1500# /	53BDY /	N/A	74450 REV. B	2 /	1554	2005
(2)	•	· ·	•.			
(3)	<del></del>					
(4)			· · · · · · · · · · · · · · · · · · ·	······································		
(5)				·		<del></del>
(6)						
σ <sub></sub>						
(8)						
(9)		•		• • •		<del></del>
(10)		•	•		-	• .
Design Conditions			er as Value Dans	Class		
Cold Working Pressure	Pressure) 3600	psi at 100 °F.	°F or Valve Press		1500	(1)
Pressure Retaining Pieces  Mark No.		Material Spec. No.	Manufactu	mr.	Remarks	-
(a) Castings		· · · · · · · · · · · · · · · · · · ·	·		Contains	
L7795 -		SA351-CF8M	Flowser	ve	Gate	
				:		
	<del></del>					
						• .
		· · · · · · · · · · · · · · · · · · ·				•
		•		·		
(b) Forgings			<del></del> _			
85500 -		SA182-F316	Flowser		Bonnet	
85511 ~	<del></del>	SA182-F316	Larson	· · · · · · · · · · · · · · · · · · ·	Body	<u>:</u>
	<del></del>					<del></del>
	1					

<sup>(1)</sup> For manually operated valves only

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

Pg. 2 of Valve S/N 53BDY / through Mark No. Manufacturer Remarks Material Spec. No. (c) Bolting (d) Other Parts Hydrostatic test psi. Disk Differential test pressure 5400 3960 CERTIFICATE OF COMPLIANCE We certify that the statements made in this report are correct and that this pump, or valve, to the rules of construction conforms 1971 ASME Code for Nuclear Power Plant Components. of the Section III, Div. 1., Edition Addenda Summer 1973 ... Code Case No. Date Signed Flowserve Corp. (N Certificate Holder) Our ASME Certificate of Authorization No. to use the symbol expirés N-1562 N 11-26-06 **CERTIFICATION OF DESIGN** Design information on file at Flowserve Corporation Raleigh, NC Stress analysis report (Class 1 only) on file at Design specifications certified by (1) R.E. Miller PE State Reg. No. Stress analysis certified by (1 PE State Reg. No. (1) Signature not required. List name only. CERTIFICATE OF SHOP INSPECTION I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of North Carolina and employed by of Hartford Connecticut HSB CT have inspected the pump, or valve, described in this Data Report on 12110 165 , and state that, to the best of my knowledge and belief, the N Certificate Holder has constructed this pump, or valve, in accordance with ASME Code, Section III. By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the equipment described in this s 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. Commissions NC/42/

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

			As Required by	The Provisions Of The ASM	E Code Section XI				
1.	Owner Address:	Duke Power Company	• .				1a. Date _	March 24, 2008	
		526 S. Church Street, Charlot	te, NC 28201-1006				Sheet	of	•
2.	Plant Address:	McGuire Nuclear Station							
		12700 Hagers Ferry Road, Hu	intersville, NC 28078						
2a.	Unit: □1 🖾2	□3 □Shared (specify Units	s	)	. •				
3.		y: Duke Power Company	Lu. NO 00004 4000		3a. W	ork Ordei	#:1702030		
	Address:	526 S. Church Street, Char	lotte NC 28201-1006				Repair Organization	Job #	
	Type Code Symbol	Stamp: N/A Authorization No.	N/A Expiration Date: N	<u>1/A</u>	3b. N	SM or MM	#: <u>N/A</u>		
4.	(a) Identification of	of System: NI - Safety Injection	<u>n</u>	4. (b) Class of	of System:B	_			
5.	(a) Applicable Cor (b) Applicable Edi	nstruction Code: <u>ASME III</u> 19 <u>71</u> tion of Section XI Utilized for R	Edition, <u>Summer and Version</u>	<u>Winter</u> Addenda,	N/A a_(1998 through 20	00 Adder	da for Class MC and		oports)
6.	Identification of Co	mponents:							
	Column 1	Column 2	Column 3	Column 4	Column 5	Col 6	Column 7	Column 8	7
	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)	<u> </u>
Α							☐ Repaired,	☑ No	
	2MCA-NI-504	7 Duke Power	N/A	· N/A	N/A	N/A	☐ Replaced,	□ Vaa	
В			<del>                                     </del>			<del> </del>	☑ Replacement	☐ Yes ☐ No	-
D						1	<ul><li>☐ Repaired,</li><li>☐ Replaced,</li></ul>	□ 140	
							☐ Replaced,	□ Yes	
C						<del> </del>	☐ Repaired,	□ No	7
							☐ Replaced,		
	ļ						☐ Replacement	☐ Yes	
D							☐ Repaired,	□No	
							☐ Replaced,		
							☐ Replacement	☐ Yes	_
E							☐ Repaired,	□No	
							☐ Replaced,		
				_		ļ	☐ Replacement	□ Yes	-
F		}					☐ Repaired,	□No	
					,		☐ Replaced, ☐ Replacement	☐ Yes	
L			<u></u>				La neplacement	<u>п 169</u>	

7.	Description of Work Cut items 3 and 4 then welded together after valve work completed.					
8.	Tests Conducted:Hydrostatic ☐ Pneumatic ☐ Nom. Operating Press. ☐ Other ☐ Exempt☑					
	Pressurepsig Test Temp°F Pressurepsig Test Temp°F					
9.	Pressurepsig Test Temp°F Remarks					
	(Applicable Manufacturer's Data Reports to be attached)					
	CERTIFICATE OF COMPLIANCE  I certify that the statements made in the report are correct and this conforms to the requirements of the ASME Code, Section XI.					
	Type Code Symbol Stamp <u>N/A</u> Certificate of Authorization No. <u>N/A</u> Expiration Date <u>N/A</u>					
	Signed FL Grass Jr, QA Tech Specialist Date 3/24/2003 Owner or Owner's Designee, Title					
	CERTIFICATE OF INSERVICE INSPECTION  I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of North Carolina and employed by HSB CT have inspected the components described in this Owner's Report during the period 3-/3-08 to 3-25-08 and state that to the best of my 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.    Province and Endorsements   National Board, State, Province and Endorsements					

### FORM NIS-2 OWNER'S REPOR. . OR REPAIR / REPLACEMENT ACTIVITY As Required By The Provisions Of The ASME Code Section XI

			7.5 Ficquired by 1	THE FIGURE OF THE ACIVIL	- Oode Geomon XI			
1.	Owner Address:	Duke Power Company				<u>-</u>		pril 10, 2008
		526 S. Church Street, Charlotte,	NC 28201-1006				Sheet _	<u>1</u> of <u>1</u> .
2.	Plant Address:	McGuire Nuclear Station						
	*	12700 Hagers Ferry Road, Hunte	ersville, NC 28078		•			
2a.	Unit: □1 ☑2	□3 □Shared (specify Units _		)				
3.	Work Performed B	· ——————	- NO 00004 4000		3a. W	ork Order	#: 1710916	
	Address:	526 S. Church Street, Charlott	e NC 28201-1006				Repair Organization	JOD #
	Type Code Symbo	I Stamp: N/A Authorization No. N	/A Expiration Date: N	<u> </u>	3b. N	SM or MM	#:ME20157	72
4.	(a) Identification of	of System: BB - Steam Generator	Blowdown Recycle	4. (b) Class of	of System: B	<del></del>		,
5.	(a) Applicable Co (b) Applicable Ed	nstruction Code: <u>ASME III</u> 19 <u>71</u> Edition of Section XI Utilized for Repa	dition, <u>Summer and W</u> uir / Replacement Activ	/inter Addenda,	N/A la_(1998 through 20	00 Adden	Code da for Class MC and	
6.	Identification of Co	omponents:						
	Column 1	Column 2	Column 3	Column 4	Column 5	Col 6	Column 7	Column 8
	Name of Component	Name of Mfg	Mfg Serial No.	National Board No.	Other Identification	Year Built	Corrected, Removed, or Installed	ASME Code Stamped (yes or no)
Α	2-BB-VA-28	7 Kerotest	96EP0329	N/A	N/A	1996	<ul><li>☐ Repaired,</li><li>☐ Replaced,</li></ul>	□ No

	Column 1	Column 2	Column 3	Column 4	Column 5	Col 6	Column 7	Column 8
	Name of Component	Name of Mfg	Mfg Serial No.	National Board No.	Other Identification	Year Built	Corrected, Removed, or Installed	ASME Code Stamped (yes or no)
Α							☐ Repaired,	□No
	2-BB-VA-287	Kerotest	96EP0329	N/A	N/A	1996	☐ Replaced,	
		•					☑ Replacement	☑ Yes
В							☐ Repaired,	□ No
							□ Replaced,	
					·	<u>                                      </u>	☐ Replacement	☐ Yes
C							☐ Repaired,	□ No
_	}		•				☐ Replaced,	
	[					<b>.</b>	☐ Replacement	☐ Yes
D				•			☐ Repaired,	□ No
_	[						☐ Replaced,	
				,			☐ Replacement	☐ Yes
E						1	☐ Repaired,	□No
_	]						☐ Replaced,	
							☐ Replacement	☐ Yes
F							□ Repaired,	□ No
			,				☐ Replaced,	
	]			,		1	☐ Replacement	☐ Yes

7.	Description of Work Replaced disc.
8.	Tests Conducted:Hydrostatic ☐ Pneumatic ☐ Nom. Operating Press. ☑ Other ☐ Exempt☐  Pressurepsig
9.	Pressurepsig Test Temp°F Pressurepsig Test Temp°F Remarks Functional test performed per task 5.
_	(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  Signed FL Grass Jr, QA Tech Specialist Owner of Owner's Designee, Title
·	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 3 - 21 - 0 to 4-14-03; and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of ASME 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.    Warring   Details
## FORM NIS-2 OWNER'S REPOR OR REPAIR / REPLACEMENT ACTIVITY As Required By The Provisions Of The ASME Code Section XI

	<del></del>				2 ddad ddallan yn			
1.	Owner Address:	Duke Power Company					1a. Date <u>A</u>	pril 9, 2008
		526 S. Church Street, Charlo	tte, NC 28201-1006	· .	*		Sheet _	<u>1</u> of <u>1</u>
2.	Plant Address:	McGuire Nuclear Station	:					
	Sheet of							
20	Unit: 🖂 1 🖂 0			,				
2a.,	Office Lite 122	шэ шэпагей (specify Offic	s	)				•
3.			dotte NC 28201-1006		3a. W	ork Ordei	# : <u>1713164</u>	loh #
	, 100.000	<u> </u>					. Topan Organization	555 #
	Type Code Symbo	Stamp: N/A Authorization No	. N/A Expiration Date: N/	<u>A</u>	3b. N	SM or MN	1#:N/A	
4.	(a) Identification of	of System: NI - Safety Injection	on	4. (b) Class	of System: B	_		
5.	(a) Applicable Co	nstruction Code: ASME III 197	1 Edition, Summer and W	inter Addenda,	N/A		Code	Cases
	(b) Applicable Edi	tion of Section XI Utilized for F	epair / Replacement Activ	rity: 1998, 2000 Adden	<u>ia</u> (1998 through 20	00 Adder	ida for Class MC and	d CC and their supports)
6.	Identification of Co	mponents:						** .
	Column 1	Column 2	Column 3	Column 4	Column 5	Col 6	Column 7	Column 8
	Name of Component	Name of Mfg	Mfg Serial No.	National Board No.	Other Identification	Year Built		ASME Code Stamped (yes or no)
Α		•					☐ Repaired,	
	2-NI-VA-184	Walworth	C55814	119	N/A	1974		T.V.
<del> </del>								
В								LI NO
								□Yes
C		•						□No
	·		•				☐ Replaced,	:
l							☐ Replacement	☐ Yes
D								□No
		·	· ·					
		· "				ļ		
E								□ No
1				· .				
<u></u>						ļ		
F								1100
			<u> </u>			ļ	☐ Replaced,	□Yes
	<u> </u>			<u> </u>	<u> </u>		I m Trebiacement	1 03

7.	Description of Work Replaced body to bonnet bolting.
8.	Tests Conducted:Hydrostatic ☐ Pneumatic ☐ Nom. Operating Press. ☑ Other ☐ Exempt☐
	Pressurepsig Test Temp°F Pressurepsig Test Temp°F Pressurepsig Test Temp°F
9.	Remarks Functional performed per task 8.
	(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  Signed FL Grass Jr, QA Tech Specialist  Owner of Owner's Designee, Title
	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 3-13-03 to 4-10-20; and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of ASME Code, Section XI.  By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection.    Commissions NC1524, N-I

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

1.	Owner Address:	Duke Power Company		1a. Date April 10, 2008
		526 S. Church Street, Charlotte, NC 28201-1006		Sheet1_ 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 B	/ · · · · · · · · · · · · · · · · · · ·	3a. Work Order #:	1718559
	Address:	526 S. Church Street, Charlotte NC 28201-1006		Repair Organization Job #
	Type Code Symbo	Stamp: N/A Authorization No. N/A Expiration Date: N/A	3b. NSM or MM #:_	N/A
4.	(a) Identification of	f System: NI - Safety Injection 4. (b) Class of System:	Α	
5.		nstruction Code: ASME III 1971 Edition, Summer and Winter Addenda, N/A	ush 2000 Addanda f	Code Cases
	(b) Applicable Ed	tion of Section XI Utilized for Repair / Replacement Activity: 1998, 2000 Addenda (1998 throu	ugn zooo Addenda id	or class wie and de and their supports

6.	Identification of Compon	ents:			
	Column 1	Column 2	Column 3	Column 4	
	Name of Component	Name of Mfg	Mfg Serial No.	National Board No.	Oti

	Column 1	Column 2	Column 3	Column 4	Column 5	Col 6	Column 7	Column 8
	Name of Component	Name of Mfg	Mfg Serial No.	National Board No.	Other Identification	Year Built	Corrected, Removed, or Installed	ASME Code Stamped (yes or no)
Α	2NI-VA-15	Kerotest	RT2-9	18123	N/A	1977	☐ Repaired, ☐ Replaced,	□ No ☑ Yes
В	2NI-VA-15	BW/P International	96EP0224	82	N/A	1996	☐ Replacement ☐ Repaired, ☐ Replaced,	□ No
	2141 777 10	DW// International	JOET 0224	. 02		1000	☑ Replacement	☑ Yes
С	2NI-VA-354	Kerotest	NU3-1	12030	N/A	1976	☐ Repaired, ☐ Replaced,	□ No ☑ Yes
<u></u>						<u> </u>	☐ Replacement☐ Repaired,	□ No
	2NI-VA-354	BW/P International	96EP0223	81	N/A	1996	☐ Replaced, ☐ Replacement	☑ Yes
Е	NI Piping	Duke Power	N/A	83	N/A	1982	☐ Repaired, ☐ Replaced,	□ No
F							☐ Replacement☐ Repaired,	☑ Yes □ No
							☐ Replaced, ☐ Replacement	Yes

	Description of Work Replaced valves, seal welded, and piping between welds FW89-5 and 6.
	Tests Conducted:Hydrostatic ☑ Pneumatic □ Nom. Operating Press. □ Other □ Exempt□
9.	Pressure <u>2485</u> psig Test Temp. <u>Ambient</u> °F Pressurepsig Test Temp°F Pressurepsig Test Temp°F Remarks <u>test performed per MP/0/A/7650/076 on task 29</u> .
	(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  Signed FL Grass Jr,QA Tech Specialist Owner of Owner's Designee, Title
C	CERTIFICATE OF 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 10-18-07 to 14-60 ; and state that to the best of my 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.    Commissions NC1524, N-I   National Board, State, Province and Endorsements   National Board, State, Province and Endorse   National Board, State, Province and Province   National Board, State, Pr

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

Pg. 1 of 2

1. Manufactured and cer		POLATIONALL INC. LOS ANGELES OPERATION 2		2. VERNON, CA 90058
			of N Conificate Holder)	•
2. Manufactured for DU	CE POWER CO. SECUL	re site 13225 hagers fer	KY RO, BMY 73 HUNTI	RSVILLE, NC 28078-8985
		(name and address o	Purchasuri	···
3. Location of installation	DUKE POWER CO. H	CGUIRE SITE 13225 HAGERS	FERRY RO. HOT 73 F	UNTERSVILLE NC 28078-0985
	·	(name and t		
4. Model No., Series No.	, or Type CHECK	Drawing <u>DP-D9958-(1</u>	) AevD	CRN_N/A
5. ASME Code, Section	III. Division 1:	1971 WINTER 19	711	N/A
	(	edition) laddenda date		(Code Case no.)
6. Pump or valve	/R Nomir	nel inlet size 11	_ Outlot size	- <u>1</u>
7. Material: Body SALE	2 GR F316 Bonne	• •	· · ·	ting N/A
				•
(8)	(b)	(c)	(d)	(e)
Cert.	Nat'l	Body	Bonnet	Disk
Holder's	Board	Serial	Serial	Serial
Serial No.	No.	No	No.	No.
96KP0223	81	320470 SNL /	N/A	313803 SN27
96KP0224	82	320470 SY2	N/A	313803_SN43
96KP0225	83	319759B SN AFFE-4	N/A	313803_SN44
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<del></del> .		- <u></u>		
			<u> </u>	<del></del>
	<del></del>			
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<sup>\*</sup>Supplemental information in form of lists, sketches, or drawings may be used provided (1) size is 8½ × 11, (2) information in items 1 through 4 on this Data Report is included on each sheet. (3) each sheet is numbered and the number of sheets is recorded at the top of this form.

	FOF	RM NPV-1 (Back — I	Pg. 2 of <u>2</u> )	96 <b>EP</b> 0223
				THEO
			Certificate Holder's	Serial No. 96KP0225
. Da la constat	3600	100		1500#
I. Dealgn conditions	(pressure)	psi		1868
. Cold working pressure				
. Cold working pressure		psi at 100°F		
. Hydrostatic test 5400	)-5450nst	Disk differential test pro	SELIFA S	960-4010 ps
		·		
. Remerks: HATERIAL C		R F316 .	NAMEPLATE ATTAC	HED BY WIRE
CERCT HOLDERS SI	<u> </u>	COVER SN		····
96EP0223		314449A 5N2 V		
96EP0224		314449A 5344		
96EP0225		314449A SNS		
•				
		CERTIFICATION OF	DESIGN	
esign Specification certif	ied by ROBERT F	OGENE MILLER	P.E. State N.C.	Reg. no. 4860
esign Report certified by	73337777 B			Reg. no. <u>M19547</u>
<del></del>				
<mark>/e certify that the statem</mark> I the ASME Code, Section		eport are correct and that	this pump or valve conforms	to the rules for construction
Certificate of Authorizat		N-1130	kivolen i	TOO 10, 1999
, ,	—		المرابعة المرابعة	
ate 9/10/96 Na	me BR/IP INTER	Certificate Holder)	Signed	material
7 . 3	IN	Certificate Holder)		ed representative)
<del></del>	<del></del>	<del></del>		
		CERTIFICATE OF INSI	PECTION	
			•	
=	g a valid commiss CALTPORM	sion issued by the Nation	nal Board of Boiler and Press	ure Vessel Inspectors and
a State or Province of MORROOD., WASS.			ind employed by ARREST GET	
9/10/96			cted the pump, or valva, desc	
			y knowledge and belief, the	Certificate Holder has con-
ructed this pump, or valv	e, in accordance v	with the ASME Code, Sec	• • • • • • • • • • • • • • • • • • • •	
			UTUAL ENGINEERING ASSOC	
	•	• • • • • • • • • • • • • • • • • • • •	kes any warranty, expressed	
			spector nor his employer shall	
		loss of any kind arising fro —	om or connected with this insp	ection.
9/10/96 Signed	TAXCO	andered Commission	NB7103, NB1-	15, CA 1864
Are with the control of the control	Hautibrized Ins	oaccas)	[Nat'l. Bd. (Incl. endorsement	a) and state or over and so I

(1) For manually operated valves only.

17-14-02 14-14-02

# Enclosure 4.13 NIS-2 Owner's Report

SM/**0**/A/8140/001 Page I of I

Work Request/WO Task # 01718559-01

Se	ction A	,		Section B	<b>.</b>				Section C	,	
			-		To Be Repaired NEW Replacement Compone			Component	ıt		
Component #	Component Being Replaced/Repaired	Manf. Name	Manf. Serial #	National Board #	ASME Code Stamp YES/NO	Year Built	Manf. Name	Manf. Serial #	National Board #	ASME Code Stamp YES/NO	Year Built
EXAMPLE Valve I-NV-98	Replaced	Kerotest	1234	3		1976	BWIP	5678	5		1998
EXAMPLE Valve 1-NV-99	Repaired	Kerotest	5678	4		1977					_
2 NI-015	Replace	Kerotes	R\$12-9	18123		1977	Kerotest	96 EP825	81		1996
-	, ,	Kerotest	<b>S</b>	#x9		1976	G.	9688080			1990
	:		N 4 3220	12030		-					
<del></del>											
					<u> </u>	<u> </u>				· .	<u> </u>

Receivin	g Inspecti	on Repor	t Form	NPP-311A Re	v.: 4	Pag	e 1 of 2
Purchase Order No	MN10751	NP	P-315 Stock/0	Cat ID:	224685	ID:	19512
Station MC	MEDB ID.: 2	35100526N	Part No.:	09J-003	Q/	Shop No.:	0669
Vendor BW/IP INTER	NATIONAL INC		Manufacture	r: KEROTEST MF	G. CORP.		
Item No. Quant	ity	UTC No.	Heat No.	Lot No./Bat	ch No.	Serial No	).
1 1		850762	NA	NA		96EP0223	3
Description: VALVE,	CHECK,Y,1-1/2",09J-00	03,ASME CLASS 15	00,SW,SS,KEROT	EST MFG. CORP.,	ASME CL	ASS 1	
	MPLE Duke Pass Fail Vende  1 0 D  1 0 D  1 0 D  1 0 D	or	Yes     No  sis:	ify nship ☐ Tolerance	NPP-31	rocedures/Stand Used 1 Rev.: 4 QA Condition: Commercial Gr Over-Check	1
	Calibrat	ed Test, Examinatio	n, and Inspection	Equipment Used	: ;		
Instrument Type	мо	del Number	Seri	ial Number		Calibration	
I. Description of	f Problem 🗀 P	roblems Sent T	o:		s v:		
Originator:		Phone #:	FA	X #:		Date:	
Accepted By:		(Level II Receiving			Date:		
Final QA Approval:					Date:		

Receivin	g Inspecti	on Repor	rt Form N	IPP-311A Rev	ı.: 4	Page 1 of 2
Purchase Order No Station MC	MN10751  MEDB ID.: 2	□ NI	PP-315 Stock/Ca	t ID: 2	24685 QA	ID: 19513 A Shop No.: 0669
Vendor BW/IP INTER	NATIONAL INC		Manufacturer:	KEROTEST MF	G. CORP.	
Item No. Quant	ity	UTC No.	Heat No.	Lot No./Bato	h No.	Serial No.
1 1		852259	NA	NA		96EP0224
Description: VALVE	,CHECK,Y,1-1/2",09J-0	03,ASME CLASS 15	500,SW,SS,KEROTES	ST MFG. CORP.,,	ASME CL	ASS 1
	MPLE Duk Pass Fail Venc  1 0 D  1 0 D  1 0 D  1 0 D	lor	○ Yes ● No  ysis:		NPP-31	QA Condition: 1  Commercial Grade Over-Check
	Calibra	ted Test Evaminati	on, and Inspection E	auinment Heed:	·	
Instrument Type		odel Number	· · · · · · · · · · · · · · · · · · ·	Number		Calibration Due
I. Description o	f Problem	Problems Sent	То:		s v:	
i. Description of	1 1 totalem				<u> </u>	
		:				
Originator:		Phone #:	FAX	#:		Date:
Accepted By:		(Level II Receivir	ng Inspector)		Date: [	
Final QA Approval:					Date:	

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

1.	Owner Address:	Duke Power Company	1a. Date <u>April 10, 2008</u>
		526 S. Church Street, Charlotte, NC 28201-1006	Sheet <u>1</u> of <u>1</u>
2.	Plant Address:	McGuire Nuclear Station	•
		12700 Hagers Ferry Road, Huntersville, NC 28078	
2a.	Unit: □1 ☑2	□3 □Shared (specify Units)	
3.			
	Address:	526 S. Church Street, Charlotte NC 28201-1006	Repair Organization Job #
	Type Code Symbo	Stamp: <u>N/A</u> Authorization No. <u>N/A</u> Expiration Date: <u>N/A</u> 3b. NSM or MM #:	N/A
4.	(a) Identification of	of System: NC - Reactor Coolant 4. (b) Class of System: A	
·5.		nstruction Code: <u>ASME III</u> 19 <u>71</u> Edition, <u>Summer and Winter</u> Addenda, <u>N/A</u> ition of Section XI Utilized for Repair / Replacement Activity: <u>1998, 2000 Addenda</u> (1998 through 2000 Addenda fo	

#### 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)
Α	010 1/4 4	Ob	NECOOL OF COOL	00	N1/A .	4074	☐ Repaired,	□ No
	2NC-VA-1	Crosby	N56925-00-0006	30	N/A	1974	<ul><li>☑ Replaced,</li><li>□ Replacement</li></ul>	☑ Yes
В					-		☐ Repaired,	□No
	2NC-VA-1	Crosby	N56925-00-0003	27	N/A	1974	☐ Replaced,	
		·					☑ Replacement	☑ Yes
C						ļ	☐ Repaired,	□No
				·		ļ	☐ Replaced,	
						İ	☐ Replacement_	☐ Yes
D							☐ Repaired,	□No
							☐ Replaced,	
				•		-	☐ Replacement_	☐ Yes
E							☐ Repaired,	□ No
	·					1	☐ Replaced,	
-						]	☐ Replacement	☐ Yes
F							☐ Repaired,	□No
1						1	☐ Replaced,	
							☐ Replacement	☐ Yes

7.	Description of Work Replaced valve.	
	Tests Conducted:Hydrostatic ☐ Pneumatic ☐ Nom. Operating Press. ☑ Other ☐ Exception of the pressure	∍mpt□
	(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  Signed FL Grass Jr,QA Tech Specialist  Owner or Owner's Designee, Title  Date 4/10/2008	
	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 3-6-08 to 4-14-08; and state that to the best of my 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.    Commissions NC1524, N-I   National Board, State, Province and Endorsements   National Board, State, Province and Province   National Board, State, Province   National Board, State, P	

C. C. S. C. Y

# CROSBY VALVE & BAGE COMPANY WRENTHAM, MASS

## FORM NV-1 FOR SAFETY AND SAFETY RELIEF VALVES As required by the Provisions of the ASME Code Rules

Q.C.-448

NB-27

#### DATA REPORT Safety and Safety Relief Valves

purculactured By Crosby Valv	e & Gace Company, 43 Ke	ndrick St., Wrentham, Mass. 02093
6N6 HB-BP-86	•	2/12/22
Model No. N-30923	Company	Contract Date 2/12/73
buke rower	Company	Order Vo. A 22057
2. Manufactured for Chai loute,	Name and Address	Order NoA-33957
Dulse Person Compan	. 422 South Ohough St	Charlatta Nambh Canalia 20003
3. Owner Duke Power Compan	Name and Address	. Charlotte, North Carolina 28201
	•	
4. Location of Plant McGuire Nu	<u>clear Station Unit #1, (</u>	Cowans Ford, North Carolina
5. Valve Identification 1-NC-3	Serial No. <u>N56925-00-0</u>	0003 Drawing No <u>DS-C-56925 Rev. 0</u>
TypeSafety	Orifice Size	M Pipe Size Inlet 6 Outlet 6
Safety, Safety Relief, Filot, Po	wer Actuated I	nch Inch Inch Inch
6. Set Pressure (PSIG) 2485	#	700 F
, , , , , , , , , , , , , , , , , , , ,		Rated Temperature
Stamped Capacity 420006#/1	nr. 3 5 Overpre	essure 3 Blowdown (PSIC) 124
7. The material, design, construction	and workmanship comply with ASME	Code. Section III.  ddenda Date Winter 1972
Pressure Containing or Pressure Re		
a. Castings	Serial No. Identification	Material Specification Including Type or Grade
Body	N90397-31-0001	ASTN A-351-72 Gr. CF8M ASME SA-351 Gr. CF8M
Bonnet	N90353-34-0014	ASTM A-105-71 Gr. II ASME SA-105 Gr. II
b. Bar Stock and Forgings		
Support Rods		
Nozzle	N90399-32-0005	ASTM A-182-71 Gr. F
Disc Insert		
	<u> </u>	Haynes Stellite No. 6B
Spring Washers Bottom	<u> </u>	ASTM A-105-71 Gr. II ASME SA-105 Gr. II
Spring Washers Bottom  Adjusting Bolt	N90350-32-0029	ASTM A-105-71 Gr. II ASME SA-105 Gr. II ASTM A-193-70 Gr. B6 ASME SA-193 Gr. B6
Adjusting Bolt	N90350-32-0029 N90350-32-0030	ASTM A-105-71 Gr. II ASME SA-105 Gr. II ASTM A-193-70 Gr. B6
Spring Washers Bottom	N90350-32-0629 N90350-32-0030 N90351-35-0042	ASTM A-105-71 Gr. II ASME SA-105 Gr. II ASTM A-193-70 Gr. B6 ASME SA-193 Gr. B6

Material Specification Serial No. or Identification Including Type or Grade NX-2761-0015 A-304 Gr. 515500 e. Syenes 4. Bolling e. Other Parts such as Pilot Components N90356-35-0016 Disc Holder Inconel 718 Bonnet Stud 87589 Bonnet Stud Nut 2371 We certify that the statements made in this report are correct. Signed Crosby Valve & Gage Manufacturer QA Manager Certificate of Authorization No. \_ 331 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.
Mutual Boiler & Machinery Insurance Co. & Waltham. and employed by Mass: have inspected the equipment described in this Data Report on in - 19state 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 for his employer shall be liable in any manner for any personal injury or property. damage or a loss of any kind acrosing from or connected with this inspection. \*Factory Mutual Group of Insurance Co. Commissions (National Board, State, Province and No.) (Inspector)

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# DUKE POWER COMPANY DESIGN ENGINEERING DEPARTMENT VENDOR QUALITY ASSURANCE CERTIFICATION

Name of Vendor Crosby Vilve & G	зде Сотр	item No.	
Address of Vendor Plant Wrentha	m, Mass.	02093 Spec. No.MCS-1205.09 Rev	· <u> </u>
Component(s) or Material <u>Stee</u>	l Safety	<u>Valve</u> Date <u>12/18/75</u>	
•		Shipping ID No.	
·		Release No. N/A	
Mill Power Order No. A	-33957		
Certification Included Yes	Full	X Partial	
		ons have been completed as requirentation, list materials or component	
1) Tested in accordance with (	Croshy Pr	ocedure T-16C65-0	
2)		· · · · · · · · · · · · · · · · · · ·	
3)			
Physical and Chemical Analysis	_X	Major Repair Records and Chart	
Design Report	N/A	Repair NDT	_ <u>x</u>
Stress Report	N/A	Hydro (Test PressPSIG)	X
Heat Treatment	<u>x</u> .	Cleanliness	<u>x</u>
Radiographic Test	X	Operating Test	_X
Ultrasonic Test	X	Performance Curve	_N/A
Magnetic Particle	<u>X</u> .	ASME Data Report	<u>X</u>
Penetrant Tests	<u>X</u>	Personnel Qualifications on Record	<u>•X</u>
Deviation Record None	·		
The following OA Documentation a the original copy of this form: tion applicable only to this spe Valve Documentat:	(If par cific sh	tial certification, include docum ipment.)	
	•		
Form 930.1	(Cont;	nued) Rev. 1	

# DUKE POWER COMPANY DESIGN ENGINEERING DEPARTMENT VENDOR QUALITY ASSURANCE CERTIFICATION

The listed component(s) or material(s) conform to the requirements of Duke Power Company Specification MCS-1205.09 Rev. 1 with the approved deviations noted above. The DA documentation has been completed and attached to this form. No later than component or material shipment, the complete DA documentation packet is being transmitted to Duke Power Company

	S. K. Blackley, Jr., Chief Engineer, Mechanical ε Nuclear Division
· ——	C. J. Wylie, Chief Engineer, Electrical Division
	L. C. Dail, Chief Engineer, Civil & Environmental Division
	Design Engineering Department P. O. Box 2178

A copy of this completed Vendor Qualit, Assurance Certification form will be included with shipping papers and shipped with the component to Duke Power Company, at the address designated in the specification. This is to certify that the item of equipment identified above fully meets the requirements of the above listed specification including all of the codes, standards, test requirements, and quality assurance requirements invoked therein.

Charlotte, N. C. 28242

Vendor Repusehtative Juthorized Signature

Title Q.A. Supervisor Date 12/18/75

### FORM NIS-2 OWNER'S REPOR. . OR REPAIR / REPLACEMENT ACTIVITY

	<del></del>		As Required By 1	he Provisions Of The ASM	IE Code Section XI			
1.	Owner Address:	Duke Power Company					1a. Date <u>/</u>	April 5, 2008
		526 S. Church Street, Charlott	e, NC 28201-1006				Sheet	1 of 1
2.	Plant Address:	McGuire Nuclear Station						
		12700 Hagers Ferry Road, Hu	ntersville, NC 28078					
2a.	Unit: □1 ☑2	□3 □Shared (specify Units		)	,			
3	Work Performed B	y: <u>Duke Power Company</u>			32 1/1	lark Orda	#: <u>1719700</u>	. 25
٠.	Address:	526 S. Church Street, Charl	otte NC 28201-1006		Ja. W	OIK OIGE	Repair Organization	
	Typo Codo Symbol	Stamp: <u>N/A</u> Authorization No.	N/A Expiration Data: N	/^	ah N	CAA BAR	1.4. N/A	
							l #:N/A	
4.	(a) Identification of	of System: NC - Reactor Cool	ant	4. (b) Class	of System: A			
5.	(a) Applicable Cor	nstruction Code: ASME III 1971	Edition, Summer and W	/inter Addenda,	N/A			Cases
	(b) Applicable Edi	tion of Section XI Utilized for Re	epair / Replacement Activ	vity: 1998, 2000 Addend	<u>da_(1998 through 20</u>	000 Adden	da for Class MC and	d CC and their supp
6.	Identification of Co	mponents:						
	Column 1	Column 2	Column 3	Column 4	Column 5	Col 6	Column 7	Column 8
	Name of Component	Name of Mfg	Mfg Serial No.	National Board No.	Other Identification	Year Built	Corrected, Removed, or Installed	ASME Code Stamped (yes or no)
Α							☐ Repaired,	☑ No
	2MCR-NC-403	Duke Power	N/A	N/A	N/A	N/A	☐ Replaced, ☐ Replacement	□Yes
В			<del>                                     </del>				☐ Repaired,	□ No
						1	☐ Replaced,	]
				ļ		<b> </b>	☐ Replacement	☐ Yes
С		, ,					<ul><li>☐ Repaired,</li><li>☐ Replaced,</li></ul>	□No
							☐ Replacement	□Yes
D			·				☐ Repaired,	□No
							☐ Replaced,	J □ Vaa
E			<del> </del>			<del> </del>	☐ Replacement☐ Repaired,	☐ Yes
<u>.                                    </u>							☐ Replaced,	
							☐ Replacement	□ Yes
F							☐ Repaired,	□No
							☐ Replaced,	
	<u> </u>			<u> </u>		<u> </u>	☐ Replacement	☐ Yes

7.	Description of Work Replaced load pin.	
8.	Tests Conducted:Hydrostatic ☐ Pneumatic ☐ Nom. Operating Press. ☐ Other ☐ Exem	ıpt⊠
9.	Pressurepsig Test Temp°F Pressurepsig Test Temp°F Pressurepsig Test Temp°F Remarks	
	(Applicable Manufacturer's Data Reports to be attached)	
	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  Signed FL Grass Jr.QA Tech Specialist Owner of 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 4-1-08 to 4-5-08; and state that to the best of my 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.    According to the Union of Board and Endorsements   National Board, State, Province and Endorsements	

## FORM NIS-2 OWNER'S REPOR. OR REPAIR / REPLACEMENT ACTIVITY As Required By The Provisions Of The ASME Code Section XI

			7.0 Troquired by 1	110 1 10 110 10110 01 1110 710	NIE COGC CCCION XI				
1.	Owner Address:	Duke Power Company					1a. Date <u>A</u>	April 10, 2008	
		526 S. Church Street, Charlotte	e, NC 28201-1006				Sheet	_1_ of <u>1</u>	
2.	Plant Address:	McGuire Nuclear Station					٠. ٠.	٠	
		12700 Hagers Ferry Road, Hu	ntersville, NC 28078						
2a.	Unit: □1 🖾2	□3 □Shared (specify Units							
3.	Work Performed B Address:	y: <u>Duke Power Company</u> 526 S. Church Street, Charle	otte NC 28201-1006		3a. V	/ork Ordei	#: 172213 Repair Organization		
	Type Code Symbo	Stamp: N/A Authorization No.	N/A Expiration Date: N	<u>′A</u>	3b. N	ISM or MM	1#:N/A		
4.	(a) Identification of	f System: <u>NC - Reactor Coola</u>	ant	4. (b) Clas	s of System: A				
5.	(a) Applicable Co (b) Applicable Edi	nstruction Code: <u>ASME III</u> 19 <u>71</u> tion of Section XI Utilized for Re	Edition, <u>Summer and W</u> pair / Replacement Activ	/inter Addenda, /ity: 1998, 2000 Adde	N/A nda (1998 through 20	000 Adden	Coo	de Cases d CC and their suppo	orts)
6.	Identification of Co	mponents:							
	Column 1	Column 2	Column 3	Column 4	Column 5	Col 6	Column 7	Column 8	
	Name of Component	Name of Mfg	Mfg Serial No.	National Board No.	Other Identification	Year Built	Corrected, Removed, or Installed	ASME Code Stamped (yes or no)	
Α	1		1		· ·	1	☐ Repaired.	□No	

	Column 1	Column 2	Column 3	Column 4	Column 5	Col 6	Column 7	Column 8
	Name of Component	Name of Mfg	Mfg Serial No.	National Board No.	Other Identification	Year Built	Corrected, Removed, or Installed	ASME Code Stamped (yes or no)
Α						}	☐ Repaired,	□ No
	2NC-VA-2	Crosby	N56925-00-0007	523 ·	N/A	1978	☑ Replaced,	
							☐ Replacement	☑ Yes
В			,			İ	□ Repaired,	□No
İ	2NC-VA-2	Crosby	N56925-00-0007	523	N/A	1978	☐ Replaced,	
L _							☑ Replacement	☑ Yes
C							☐ Repaired,	□No
1			'	•			☐ Replaced,	
			_		<u> </u>	İ	☐ Replacement	□ Yes
D		,					☐ Repaired,	□No
		•		•		}	☐ Replaced,	<u> </u>
			·			ľ	☐ Replacement	☐ Yes
E							☐ Repaired,	□No
				to a contract of		}	☐ Replaced,	
							☐ Replacement	☐ Yes
F							☐ Repaired,	□No
						1	☐ Replaced,	]
·						<u> </u>	☐ Replacement	☐ Yes

7.	Description of Work Replaced valve.
8.	Tests Conducted:Hydrostatic ☐ Pneumatic ☐ Nom. Operating Press. ☑ Other ☐ Exempt☐  Pressure2235psigTest Temp558°F
	Pressurepsig Test Temp°F Pressure psig Test Temp. °F
	Pressurepsig Test Temp°F Remarks Valve removed from system sent to vendor to be tested and place back in ginal position for service. The functional test was performed per task 4.
	(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  Signed FL Grass Jr.QA Tech Specialist Date 4/10/2008
	Owner of Owner's Designee, Title
	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 3-8-08 to 4-14-08; and state that to the best of my 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.



## 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

A.C.-44C

#### DATA REPORT Safety and Safety Relief Valves

Crosby Valvo & Cago Co. 43 Kendrick St. Wrentham MA 02003									
1. Manufactured By Crosby Valve & Gage Co., 43 Kendrick St., Wrentham, MA 02093  Name and Address									
Model No. HB-86-BP Order No N300580J Contract Date 3/25/76 National Board No. 523									
2. Manufactured For Duke Power Co., Charlotte, No. Carolina Order No. A33957  Name and Address									
3. Owner Duke Power Co:, 422 South Church St., Charlotte, North Carolina 28201									
Name and Address									
4. Location of Plant McGuire Nuclear Station Unit, Cowans Ford, North Carolina									
5. Valve Identification SPARE - 1 Serial No. N56925-00-0007 Drawing No. DS-C-56925 Rev. C									
TypeSafety	Orifice Size M	Pipe Size - Inlet 6 Outlet 6							
Safety, Safety Relief, Pilot, Power		ch Inch Inch Inch							
6. Set Pressure (PSIC) 2485		700 F							
Stamped Capacity 420006 1bs./hi	c. Sat. 3 % Overpres	sureBlowdown (PSDC) 5% of S.P.							
Stamped Oapacity									
Hydrostatic Test (PSIG) Inlet	4575 Comple	ete Valve 750 psig							
7. The material, design, construction and	workmanship comply with ASME	Code, Section III.							
Class 1 Edition 1971	Addenda DateWin	ter 1972							
Pressure Containing or Pressure Retain	ing Components								
a. Castings	Serial No. Identification	Material Specification Including Type or Grade							
Body	<b>N90397-33-0007</b>	ASME SA351 Gr. CF8M							
Bonnet	N90353-41-0113	ASME SA105							
b. Bar Stock and Forgings	•								
Bellows K56383-40-0036	N90356-40-0040	Inconel Alloy 718							
Nozzle	N90399-35-0011	ASME SA182 Gr. F316							
Disc Insert	N90426-37-0026	Haynes Stellite Alloy No. 6B							
N90350-40-0226 Spring WashersK56380-45-0110 N90350-40-0237 ASME SA105									
Adjusting Bolt	ASTM A193-70 Gr. B6 ASME SA193 Gr. B6								
Spindle K56381-49-0143	N90354-47-0141	ASTM A193-73 Gr. B6 ASME SA193 Gr. B6							

	Serial No. or	Material Specification
. •	Identification	Including Type or Grade
c. Spring K56380-45-0110	NX2761-0023	ASTM A304-76 51860H
d. Bolting	•	
e. Other Parts such as Pilot Componen	ts	
Bonnet Stud	87589	ASTM A193 Gr. B7
Bonnet Nut	2371	ASTM A197 CL. 24
		·.
We certify that the statements made in to Date 3.7 19 78 Signe	d Crosby Valve & G	age Co. By Ky Alman
•	Manufacturer	
Certificate of Authorization No.	1878 expires S	eptember 30, 1980
		•
<b>:</b>	ERTIFICATE OF SHOP IN	
Pressure Vessei Inspectors Factory Yutual Sys inspected the equipment des	and the State or Province stems*. Norwood, Macribed in this Data Report knowledge and belief, the	on 19 19 and Manufacturer has constructed this equip-
By signing this certificate pressed or implied, concern	, neither the Inspector nor ing the equipment described er shall be liable in any m	his employer makes any warranty, ex- d in this Data Report. Furthermore, neither vanner for any personal injury or property
(Inspector)	Commissions Nati	tional Board, State, Provider and Most

\*Arkwright-Boston Manufacturers Mutual Insurance Company - Mutual Boiler & Machinery Division.

15 mil

# DUKE POWER COMPANY QUALITY ASSURANCE DEPARTMENT SUPPLIER QUALITY ASSURANCE CERTIFICATION

Umanthan Vara 020	מ מענות מיים	tem or Req. No. Item 1
wrentham, mass, UZ	J93	tem of neq. no
	Spec.	No. MCS-1205.09-1 Rev.
X*     Design Report     N/A     Stress Report     X     Heat T       X     Radiographic Test     X     Ultrasonic Test     X     Magnet       X     Penetrant Test     X     Repair NDE     X     Cleanl	-00-0009	
Description of Component(s) or Material(s) Steel Safety V  X		
Description of Component(s) or	Material(s) Steel Safety Valves	
,		
Y Attached Documentation o	overs all Components/Materials on Mill	Power Order.
Attached Documentation c	overs partial shipment of Components/M	aterials on Mill Power Order.
The following listed tests, in	spections and reports have been comple	ted as required by the
-	spections and reports have been comple	ted as required by the
specification:		
Specification: X Physical & Chemical Anal	ysis <u>X</u> Major Repa	ir Records & Charts
X Physical & Chemical Anal X Hydro (Test Pressure - P.	ysis <u>X</u> Major Repa	ir Records & Charts
X Physical & Chemical Anal X Hydro (Test Pressure - P y No. EC-158 & EC-427	ysis <u>X</u> Major Repa SIG <u>2485</u> ) <u>X</u> Personnel	ir Records & Charts Qualifications on Record
X Physical & Chemical Anal-X Hydro (Test Pressure - P. Y No. EC-158 & EC-427 X* Design Report	ysis $X$ Major Repart $X$ Major Repart $X$ Personnel	ir Records & Charts Qualifications on Record 
X Physical & Chemical Anal-X Hydro (Test Pressure - Py No. EC-158 & EC-427 X* Design Report X Radiographic Test	ysis <u>X</u> Major Repa SIG <u>2485</u> ) <u>X</u> Personnel <u>N/A</u> Stress Report <u>X</u> Ultrasonic Test	ir Records & Charts Qualifications on Record
X Physical & Chemical Analy X Hydro (Test Pressure - P. Y No. EC-158 & EC-427 X* Design Report X Radiographic Test X Penetrant Test	ysis X Major Repa SIG 2485) X Personnel  N/A Stress Report X Ultrasonic Test X Repair NDE	ir Records & Charts Qualifications on Record  X Heat Treatment X Magnetic Particle. X Cleanliness
X Physical & Chemical Analogy X Hydro (Test Pressure - P. Y No. EC-158 & EC-427 X* Design Report X Radiographic Test X Penetrant Test X Operating Test	ysis  SIG 2485)  X Major Repa X Personnel  N/A Stress Report X Ultrasonic Test X Repair NDE N/A Performance Curve	ir Records & Charts Qualifications on Record  X Heat Treatment X Magnetic Particle. X Cleanliness
X Physical & Chemical Anal X Hydro (Test Pressure - P. Y No. EC-158 & EC-427 X* Design Report X Radiographic Test X Penetrant Test X Operating Test X Dimensional Check	ysis  SIG 2485)  X Major Repa X Personnel  N/A Stress Report X Ultrasonic Test X Repair NDE N/A Performance Curve N/A Deviation Record #	ir Records & Charts Qualifications on Record  X Heat Treatment X Magnetic Particle. X Cleanliness X ASME Data Report
X Physical & Chemical Anal X Hydro (Test Pressure - P. Y No. EC-158 & EC-427 X* Design Report X Radiographic Test X Penetrant Test X Operating Test X Dimensional Check	ysis  SIG 2485)  X Major Repa X Personnel  N/A Stress Report X Ultrasonic Test X Repair NDE N/A Performance Curve N/A Deviation Record #	ir Records & Charts Qualifications on Record  X Heat Treatment X Magnetic Particle. X Cleanliness X ASME Data Report
X Physical & Chemical Anal X Hydro (Test Pressure - Programme of the pressure	ysis  SIG 2485)  X Major Repa X Personnel  N/A Stress Report X Ultrasonic Test X Repair NDE N/A Performance Curve N/A Deviation Record #	ir Records & Charts Qualifications on Record  X Heat Treatment X Magnetic Particle. X Cleanliness X ASME Data Report
X Physical & Chemical Anal X Hydro (Test Pressure - Programme of the Pressure - Programme of the Pressure of t	ysis  SIG 2485)  X Personnel  N/A Stress Report  X Ultrasonic Test  X Repair NDE  N/A Performance Curve  N/A Deviation Record #	ir Records & Charts Qualifications on Record  X Heat Treatment X Magnetic Particle. X Cleanliness X ASME Data Report
X Physical & Chemical Anal X Hydro (Test Pressure - Programme of the Pressure - Programme of the Pressure of t	ysis  X Major Repa X SIG 2485)  X Personnel  X Ultrasonic Test X Repair NDE N/A Performance Curve N/A Deviation Record #	ir Records & Charts Qualifications on Record  X Heat Treatment X Magnetic Particle. X Cleanliness X ASME Data Report
X Physical & Chemical Analy X Hydro (Test Pressure - Pr	ysis  SIG 2485)  X Personnel  N/A Stress Report  X Ultrasonic Test  X Repair NDE  N/A Performance Curve  N/A Deviation Record #	ir Records & Charts Qualifications on Record

(See Instructions)

Title Q. A. Supervisor Date March 14,197;

Form 930.1A / Rev. 3

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

	·········		As Required By	The Provisions Of The ASM	E Code Section XI			
1.	Owner Address:	Duke Power Company				· · · · · ·	1a. Date _	March 16, 2008
	526 S. Church Street, Charlotte, NC 28201-1006						Sheet _	<u>1</u> of <u>1</u>
2.	Plant Address:	McGuire Nuclear Station						
		12700 Hagers Ferry Road, Hu	ntersville, NC 28078					
2a.	Unit: □1 ☑2	□3 □Shared (specify Units		)				
3. Work Performed By: Duke Power Company Address: S26 S. Church Street, Charlotte NC 28201-1006  3a. Work Order #: 1745170  Repair Organization Job #								
	Type Code Symbol	Stamp: N/A Authorization No.	N/A Expiration Date: N	<u> </u>	3b. N	SM or MM	1#:N/A	
4.	(a) Identification of	f System: <u>CA – Auxiliary Feed</u>	water	4. (b) Class	of System: B	_ <u>-</u>		
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 support							
6.	Identification of Cor	mponents:						
	Column 1	Column 2	Column 3	Column 4	Column 5	Col 6	Column 7	Column 8
	Name of Component	Name of Mfg	Mfg Serial No.	National Board No.	Other Identification	Year Built	Corrected, Removed, or Installed	ASME Code Stamped (yes or no)
Α	2MCA-CA-59	Duke Power	18063	N/A	N/A	N/A	☐ Repaired, ☑ Replaced,	☑ No
							☐ Replacement	☐ Yes
В							☐ Repaired,	☑ No

	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							☐ Repaired,	☑ No
	2MCA-CA-59	Duke Power	18063	N/A	N/A	N/A	☑ Replaced,	
							□ Replacement	☐ Yes
В							☐ Repaired,	☑ No
	2MCA-CA-59	Duke Power	36863	N/A	N/A	N/A	☐ Replaced,	
L							☑ Replacement	☐ Yes
C							☐ Repaired,	□No
		•				Ì	☐ Replaced,	
					<u> </u>	<u></u> _	□ Replacement	☐ Yes
D							☐ Repaired,	□ No
ļ		•					☐ Replaced,	
							☐ Replacement	☐ Yes
E		·				1	☐ Repaired,	□No
Ì							☐ Replaced,	
						<u> </u>	☐ Replacement	☐ Yes
F							☐ Repaired,	□No
							☐ Replaced,	[
							☐ Replacement	☐ Yes

7.	Description of Work Replaced snubber and bolting material on extension piece.									
8.	Tests Conducted:Hydrostatic  Pneumatic  Nom. Operating Press.  Other  Exercises Exercise Pressure psig Test Temp.  Pressure psig Test Temp.  Pressure Pressure Pressure Psig Test Temp.  Pressure Psig Test Temp.  Pressure Psig Test Temp.  Pressure Psig Test Temp.  Pressure Psig Test Temp.  Pressure Psig Test Temp.  Pressure Psig Test Temp.  Pressure Psig Test Temp.  Pressure Psig Test Temp.  Pressure Psig Test Temp.  Pressure Psig Test Temp.  Pressure Psig Test Temp.  Pressure Psig Test Temp.  Pressure Psig Test Temp.  Pressure Psig Test Temp.  Pressure Psig Test Temp.  Pressure Psig Test Temp.  Pressure Psig Test Temp.  Pressure Psig Test Temp.  Psig Test Temp.	empt								
9.	Pressurepsig Test Temp°F Remarks	<del></del>								
	(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  Signed FL Grass Jr, QA Tech Specialist  Owner of 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 2-/4-8 to 3-/8-08, and state that to the best of my 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.									

# FORM NIS-2 OWNER'S REPOI 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				_	March 10, 2008 1 of 1
2.	Plant Address:	McGuire Nuclear Station 12700 Hagers Ferry Road, Hun					•	
2a.	Unit: □1 Ø2	□3 □Shared (specify Units		)				
3.	Work Performed B Address:	y: <u>Duke Power Company</u> 526 S. Church Street, Charlo	tte NC 28201-1006		3a. V	Vork Order	#: 1745171 Repair Organization	Job #
	Type Code Symbo	Stamp: N/A Authorization No.	N/A Expiration Date: N/	<u>A</u>	3b. N	ISM or MM	#:N/A	
4.	(a) Identification of	of System: <u>CA - Auxiliary Feedw</u>	vater	4. (b) Class of	of System: B			
5.	(a) Applicable Co (b) Applicable Ed	nstruction Code: <u>ASME III</u> 19 <u>71</u> I ition of Section XI Utilized for Rep	Edition, <u>Summer and W</u> pair / Replacement Activ	inter Addenda, ity: 1998, 2000 Addend	N/A a (1998 through 2	000 Addend		Cases d CC and their supports
6.	Identification of Co	mponents:	÷.				,	
	Column 1	Column 2	Column 3	Column 4	Column 5	Col 6	Column 7	Column 8
$\overline{}$	Name of Component	Name of Mfg	Mfg Serial No.	National Board No.	Other Identification	Year Built	Corrected, Removed, or	ASME Code Stamped

	Column 1	Column 2	Column 3	Column 4	Column 5	Col 6	Column 7	Column 8
	Name of Component	Name of Mfg	Mfg Serial No.	National Board No.	Other Identification	Year Built	Corrected, Removed, or Installed	ASME Code Stamped (yes or no)
Α							☐ Repaired,	☑No
ł	2MCA-CA-130	Duke Power	20494	N/A	N/A	N/A	☑ Replaced,	
)	]				)		☐ Replacement	☐ Yes
B							☐ Repaired,	☑ No
}	2MCA-CA-130	Duke Power	36861	N/A	N/A	N/A	☐ Replaced,	
1	}					ļ	☑ Replacement	☐ Yes
C							☐ Repaired,	□No
	1				Ì	1	☐ Replaced,	
1						Í	☐ Replacement	□ Yes
D	-						☐ Repaired,	□No
-							☐ Replaced,	
ļ	]						☐ Replacement	☐ Yes
E							☐ Repaired,	□No
] _				}	}		☐ Replaced,	}
1						<u> </u>	☐ Replacement	☐ Yes
F							☐ Repaired,	□No
'							☐ Replaced,	[
1							☐ Replacement	☐ Yes

7.	Description of Work Replaced snubber.	
,		
8.	Tests Conducted:Hydrostatic ☐ Pneumatic ☐ Nom. Operating Press. ☐ Other ☐ Exem	npt <sub>M</sub>
	Pressurepsig Test Temp°F	
	Pressurepsig Test Temp°F	
•	Pressurepsig Test Temp°F	
9.	Remarks	
		<del></del>
	(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 Hose of FL Grass Jr, QA Tech Specialist Date 3/10/2008	
	Owner's Designee, Title	٠.
	CERTIFICATE OF INSERVICE INSPECTION	
	I, the undersigned, holding a valid commission issued by the National Board of Boiler and	•
	Pressure Vessel Inspectors and the State or Province of <u>North Carolina</u> and employed by <u>HSB CT</u> have inspected the components described in this Owner's Report during the period	
	$\frac{13801}{2-14-08}$ to $\frac{3-1/-08}{2}$ ; and state that to the best of my 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.	
	grave Man Gommissions NC1524, N-I	
	Inspector's Signature National Board, State, Province and Endorsements	•*
	Date 3-11-2008	

# FORM NIS-2 OWNER'S REPOR 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 <u>March 10, 2008</u> Sheet 1 of 1
2.	Plant Address:	McGuire Nuclear Station	Officer
2a.	Unit: □1 ☑2	12700 Hagers Ferry Road, Huntersville, NC 28078  □3 □Shared (specify Units)	
3.	Work Performed By Address:	500 0 01 1 01 1 11 110 00004 4000	1745172 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	f System: <u>CA – Auxiliary Feedwater</u> 4. (b) Class of System: <u>B</u>	
5.		nstruction Code: <u>ASME III</u> 19 <u>71</u> Edition, <u>Summer and Winter</u> Addenda, <u>N/A</u> tion of Section XI Utilized for Repair / Replacement Activity: <u>1998, 2000 Addenda</u> (1998 through 2000 Addenda for	Code Cases Class MC and CC and their supports)
6.	Identification of Co	mponents:	

	Column 1	Column 2	Column 3	Column 4	Column 5	Col 6	Column 7	Column 8
	Name of Component	Name of Mfg	Mfg Serial No.	National Board No.	Other Identification	Year Built	Corrected, Removed, or Installed	ASME Code Stamped (yes or no)
Α							☐ Repaired,	☑ No
	2MCA-CA-130	Duke Power	21774	N/A	. N/A	N/A	☑ Replaced,	
			<u> </u>			<u> </u>	□ Replacement	☐ Yes
B	l					ļ	☐ Repaired,	☑No
1	2MCA-CA-130	Duke Power	36862	N/A	N/A	N/A	☐ Replaced,	
İ						İ	☑ Replacement	☐ Yes
C							☐ Repaired,	□No
							☐ Replaced,	
						· .	☐ Replacement	☐ Yes
D							☐ Repaired,	□No
	-						☐ Replaced,	
-							☐ Replacement	☐ Yes
E						T	☐ Repaired,	□No
							☐ Replaced,	ļ
}							☐ Replacement	☐ Yes
F							☐ Repaired,	□ No
1							☐ Replaced,	
					]	}	☐ Replacement	☐ Yes

7.	Description of Work Replaced snubber.	
8.	Tests Conducted:Hydrostatic ☐ Pneumatic ☐ Nom. Operating Press. ☐ Other ☐ Exe	empt⊠
	Pressurepsig Test Temp°F Pressurepsig Test Temp°F Pressurepsig 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  Signed FL Grass Jr, QA Tech Specialist Owner or Owner's Designee, Title	
	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 2-14-06 to 3-11-06 and state that to the best of my 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.    Variable   Variable   Value   V	

### FORM NIS-2 OWNER'S REPOR. OR REPAIR / REPLACEMENT ACTIVITY

			As Required By	The Provisions Of The ASM	E Code Section XI			·
1.		ike Power Company 6 S. Church Street, Charlotte	e, NC 28201-1006	n.				<u>March 17, 2008</u> 1 of <u>1</u>
2.		Guire Nuclear Station 700 Hagers Ferry Road, Hur	ntersville, NC 28078	·				<b>~</b>
2a.	Unit: □1 🖾2 🗆	3 □Shared (specify Units		)				
3.	Work Performed By: Address:	Duke Power Company 526 S. Church Street, Charlo	otte NC 28201-1006		3a. W	ork Orde	#: 1745174 Repair Organization	
	Type Code Symbol Sta	amp: N/A Authorization No.	N/A Expiration Date: N	<u>/A</u>	3b. N	SM or MM	l #:N/A	
4.	(a) Identification of System: <u>ND - Residual Heat Removal</u> 4. (b) Class of System: <u>B</u>							
<sub>.</sub> 5.	<ul><li>(a) Applicable Constr</li><li>(b) Applicable Edition</li></ul>	uction Code: <u>ASME III</u> 19 <u>71</u> of Section XI Utilized for Re	Edition, <u>Summer and V</u> pair / Replacement Acti	<u>Vinter</u> Addenda, vity: <u>1998, 2000 Addend</u>	N/A da (1998 through 20	00 Adder	Code da for Class MC and	Cases d CC and their support
6.	Identification of Compo	onents:						
	Column 1	Column 2	Column 3	Column 4	Column 5	Col 6	Column 7	Column 8
	Name of Component	Name of Mfg	Mfg Serial No.	National Board No.	Other Identification	Year Built	Corrected, Removed, or Installed	ASME Code Stamped (yes or no)
Α	2MCA-ND-6380	Duke Power	21755	N/A	N/A	N/A	<ul><li>□ Repaired,</li><li>☑ Replaced,</li></ul>	⊠ No
							☐ Replacement	☐ Yes
В	2MCA-ND-6380	Duke Power	14908	N/A	N/A	N/A	☐ Repaired, ☐ Replaced,	☑ No
]	2.1107(112 0000	Builto I Owell	14000	14//	14//	14//1	☑ Replacement	□Yes
C				†	<del>                                     </del>		☐ Repaired,	□No
1							☐ Replaced,	
L			<u> </u>				□ Replacement	☐ Yes

L							L Replacement_	⊔ Yes
В							☐ Repaired,	☑ No
	2MCA-ND-6380	Duke Power	14908	N/A	N/A	N/A	☐ Replaced,	
<u> </u>							☑ Replacement	□ Yes
С							☐ Repaired,	□No
1							☐ Replaced,	
							☐ Replacement	☐ Yes
D							☐ Repaired,	□ No
}	Ì						☐ Replaced,	
İ							☐ Replacement	☐ Yes
E							☐ Repaired,	□No
							☐ Replaced,	
İ			,				☐ Replacement_	☐ Yes
F							☐ Repaired,	□No
							☐ Replaced,	
							☐ Replacement	☐ Yes

7.	Description of Work Replaced snubber.	
8.	Tests Conducted:Hydrostatic ☐ Pneumatic ☐ Nom. Operating Press. ☐ Other ☐ Exc	empt⊠
9.	Pressurepsig Test Temp°F Pressurepsig Test Temp°F Pressurepsig Test Temp°F Remarks	
	(Applicable Manufacturer's Data Reports to be attached)	
	CERTIFICATE OF COMPLIANCE I certify that the statements made in the report are correct and this conforms to the requirements of the ASME Code, Section XI.  Type Code Symbol Stamp N/A Certificate of Authorization No. N/A  Signed FL Grass Jr,QA Tech Specialist Owner of Owner's Designee, Title	
	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 2-14-08 to 3-18-08, and state that to the best of my 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.    Value	l

### FORM NIS-2 OWNER'S REPOR. OR REPAIR / REPLACEMENT ACTIVITY

			As Required By T	he Provisions Of The ASM	E Code Section XI			
1.	Owner Address:	Duke Power Company					1a. Date <u>N</u>	March 24, 2008
		526 S. Church Street, Charlotte	NC 28201-1006				Sheet_	1 of 1
2.	Plant Address:	McGuire Nuclear Station						
		12700 Hagers Ferry Road, Hur	tersville, NC 28078	•	·		•	
2a.	Unit: □1 ☑2	□3 □Shared (specify Units		)				
3	Work Performed B	y: Duke Power Company			3a \∧	lork Order	r#:1745175	
0.	Address:	526 S. Church Street, Charlo	tte NC 28201-1006		Ja. VV	OIK Older	Repair Organization	
	Type Code Symbol	Stamp: N/A Authorization No.	N/A Expiration Date: N/	<u>A</u>	3b. N	SM or MM	1#:N/A	
4.	(a) Identification of	of System: NV - Chemical and	Volume Control	4. (b) Class	of System: B			
5.		nstruction Code: ASME III 1971			•	_	Code	Casas
٥.	(b) Applicable Edi	tion of Section XI Utilized for Re	pair / Replacement Activ	ity: 1998, 2000 Addend	10/A 1a (1998 through 20	000 Adder	nda for Class MC and	d CC and their support
6.	Identification of Co	mponents:						
	Column 1	Column 2	Column 3	Column 4	Column 5	Col 6	Column 7	Column 8
	Name of Component	Name of Mfg	Mfg Serial No.	National Board No.	Other Identification	Year Built	Corrected, Removed, or Installed	ASME Code Stamped (yes or no)
A							☐ Repaired,	☑ No
	2MCA-NV-700	Duke Power	20489	N/A	N/A	N/A	☑ Replaced, ☐ Replacement	□Yes
В							☐ Replacement	☑ No
	2MCA-NV-700	Duke Power	36859	N/A	N/A	N/A	☐ Replaced,	
				· · · · · · · · · · · · · · · · · · ·		<u> </u>	☑ Replacement	□ Yes
С				<u> </u>		1	☐ Repaired, ☐ Replaced,	□No
		·					☐ Replaced,	□Yes
D							☐ Repaired,	□No
							☐ Replaced,	
<u> </u>							Replacement	□ Yes
Ε							☐ Repaired, ☐ Replaced,	□No
							☐ Replacement	□Yes
F						1	☐ Repaired,	□No
							☐ Replaced,	}
<u> </u>						<u> </u>	☐ Replacement	☐ Yes

7.	Description of Work Replaced snubber.
8.	Tests Conducted:Hydrostatic ☐ Pneumatic ☐ Nom. Operating Press. ☐ Other ☐ Exempt⊠
	Pressurepsig Test Temp°F Pressurepsig Test Temp°F Pressurepsig 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  Signed How G FL Grass Jr, QA Tech Specialist Date 5/25/2018  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 2-14-03 to 3-28-08 and state that to the best of my 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.    Commissions NC1524, N-I   National Board, State, Province and Endorsements

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

				TIC T TOVISIONS OF THE MOIN				
1.	Owner Address:	Duke Power Company						March 10, 2008
		526 S. Church Street, Charlotte	NC 28201-1006				Sneet_	1 of 1
2.	Plant Address:	McGuire Nuclear Station	·				•	
		12700 Hagers Ferry Road, Hun	tersville, NC 28078					
2a.	Unit: □1 ☑2	☐3 ☐Shared (specify Units _		)				
3.	Work Performed B	y: Duke Power Company			3a W	ork Order	#: 1745177	
Ο.	Address:	526 S. Church Street, Charlo	tte NC 28201-1006		ou. W	0111 01401	Repair Organization	
	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,						,	
	Type Code Symbo	Stamp: <u>N/A</u> Authorization No. <u>I</u>	N/A Expiration Date: N/	<u>A</u>	3b. N	SM or MM	#:N/A	<del></del>
4.	(a) Identification of	of System: SV - Main Steam Ve	ent to Asmosphere	4. (b) Class	of System: <u>B</u>	<del></del>		
5.	(a) Applicable Co (b) Applicable Edi	nstruction Code: <u>ASME III</u> 19 <u>71</u> E tion of Section XI Utilized for Rep	Edition, <u>Summer and W</u> pair / Replacement Activ	inter Addenda, ity: 1998, 2000 Addend	N/A da (1998 through 20	00 Adden		Cases d CC and their supports
6.	Identification of Co	mponents:					•	
	Column 1	Column 2	Column 3	Column 4	Column 5	Col 6	Column 7	Column 8
	Name of Component	Name of Mfg	Mfg Serial No.	National Board No.	Other Identification	Year Built	Corrected, Removed, or Installed	ASME Code Stamped (yes or no)

	Column 1	Column 2	Column 3	Column 4	Column 5	Col 6	Column 7	Column 8
	Name of Component	Name of Mfg	Mfg Serial No.	National Board No.	Other Identification	Year Built	Corrected, Removed, or Installed	ASME Code Stamped (yes or no)
Α							□ Repaired,	☑ No
	2MCA-SV-58	Duke Power	100	N/A	N/A	N/A	☑ Replaced,	
)				<u> </u>		<u> </u>	□ Replacement	☐ Yes
В	`						☐ Repaired,	⊠No
	2MCA-SV-58	Duke Power	36858	N/A	N/A	N/A	☐ Replaced,	ĺ
	22		ļ		,	)	☑ Replacement	☐ Yes
C							☐ Repaired,	□No
						]	☐ Replaced,	
		[			<b>\</b>	1	☐ Replacement	☐ Yes
D							☐ Repaired,	□No
_			·				☐ Replaced,	ļ
l	-						☐ Replacement	□Yes
E							☐ Repaired,	□No
-		}					☐ Replaced,	
1					Ì		☐ Replacement	□ Yes
F		<u> </u>	<del>                                     </del>				☐ Repaired,	□No
} '		j					☐ Replaced,	
}						1	☐ Replacement	□ Yes

7.	Description of Work Replaced snubber
8.	Tests Conducted:Hydrostatic ☐ Pneumatic ☐ Nom. Operating Press. ☐ Other ☐ Exempt⊠
9.	Pressurepsig Test Temp°F Pressurepsig Test Temp°F Pressurepsig Test Temp°F Remarks
	(Applicable Manufacturer's Data Reports to be attached)
	CERTIFICATE OF COMPLIANCE  I certify that the statements made in the report are correct and this conforms to the requirements of the ASME Code, Section XI.  Type Code Symbol Stamp N/A  Certificate of Authorization No. N/A  Signed FL Grass Jr, QA Tech Specialist 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 2-14-08 o 3-11-08; and state that to the best of my 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.    Commissions NC1524, N-I   National Board, State, Province and Endorsements

## FORM NIS-2 OWNER'S REPOR. OR REPAIR / REPLACEMENT ACTIVITY

			As nequired by	The Provisions Of The ASM	IE Code Section XI			
1.	Owner Address:	Duke Power Company					1a. Date _	March 10, 2008
		526 S. Church Street, Charlotte	NC 28201-1006				Sheet	<u>1</u> of <u>1</u>
2.	Plant Address:	McGuire Nuclear Station	·					
		12700 Hagers Ferry Road, Hur	itersville NC 28078					•
22	Unit: □1	□3 □Shared (specify Units		,				
∠a.	Oline. Let lete	Попагей (specify Offits .		)				
3.		y: Duke Power Company	W- NO 00004 4000		3a. W	ork Orde	r#:1745179	
	Address:	526 S. Church Street, Charlo	πe NC 28201-1006				Repair Organization	Job #
	Type Code Symbo	Stamp: N/A Authorization No.	N/A Expiration Date: N	<u>I/A</u>	3b. N	SM or MM	1#:N/A	
4.	(a) Identification of	f System: <u>CA – Auxiliary Feedv</u>	vater	4. (b) Class	of System: B	_		
5.	(a) Applicable Co (b) Applicable Edi	nstruction Code: <u>ASME III</u> 19 <u>71</u> l tion of Section XI Utilized for Rep	Edition, <u>Summer and V</u> pair / Replacement Acti	<u>Vinter</u> Addenda, vity: 1998, 2000 Addend	N/A da_(1998 through 20	00 Adder	Code	Cases I CC and their supports
6.	Identification of Co	mponents:						
	Column 1	Column 2	Column 3	Column 4	Column 5	Col 6	Column 7	Column 8
	Name of Component	Name of Mfg	Mfg Serial No.	National Board No.	Other Identification	Year Built	Corrected, Removed, or Installed	ASME Code Stamped (yes or no)
Α							☐ Repaired,	☑ No
	2MCA-CA-14	0 Duke Power	20372	N/A	N/A	N/A	☑ Replaced,	
В	<u></u>		<u> </u>				☐ Replacement	☐ Yes ☑ No
D	2MCA-CA-14	0 Duke Power	19547	N/A	N/A	N/A	☐ Repaired, ☐ Replaced,	MINO
	2101071 071 14	Bake I ower	10047	10//	13//	1	· ☑ Replacement	☐ Yes
С							☐ Repaired,	□No
					ļ		☐ Replaced,	
			<u> </u>		<u> </u>		☐ Replacement	□ Yes
D						]	☐ Repaired,	□No
							☐ Replaced, ☐ Replacement	□Yes
E				<del> </del>	<u> </u>	<del> </del>	☐ Repaired,	□ No
-							☐ Replaced,	
							☐ Replacement	□ Yes
F							☐ Repaired,	□No
							☐ Replaced,	
	<u> </u>		<u> </u>	<u> </u>		L	☐ Replacement	☐ Yes

7.	Description of Work Replaced snubber.	
_		
8.	Tests Conducted:Hydrostatic ☐ Pneumatic ☐ Nom. Operating Press. ☐ Other ☐ Exempti	Ŋ
	Pressure psia Test Temp. °F	
	Pressurepsig Test Temp°F Pressurepsig Test Temp°F	
	Pressurepsig Test Temp°F	
9.	Remarks	
_		
	(Applicable Manufacturer's Data Reports to be attached)	
	(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 <u>N/A</u>	
	Certificate of Authorization No. <u>N/A</u> Expiration Date <u>N/A</u>	
	Signed Holease FL Grass Jr, QA Tech Specialist Date 3/10/2007 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 <u>North Carolina</u> and employed by HSB CT have inspected the components described in this Owner's Report during the period	
	$\frac{2-14-08}{2-14-08}$ to $\frac{3-11-08}{2-14-08}$ ; and state that to the best of my 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.	
	erome f Swan Commissions NC1524, N-I	
	Inspector's Signature National Board, State, Province and Endorsements	
	Date 3-11-08	

## FORM NIS-2 OWNER'S REPOR. OR REPAIR / REPLACEMENT ACTIVITY As Required By The Provisions Of The ASME Code Section XI

1.	Owner Address:	Duke Power Company	1a. Date March 17, 2008
		526 S. Church Street, Charlotte, NC 28201-1006	Sheet <u>1</u> of <u>1</u>
2.	Plant Address:	McGuire Nuclear Station	
		12700 Hagers Ferry Road, Huntersville, NC 28078	
2a.	. Unit: □1	□3 □Shared (specify Units)	
3.	Work Performed B Address:	/ <del></del>	1745181 Repair Organization Job #
	Type Code Symbo	Stamp: N/A Authorization No. N/A Expiration Date: N/A 3b. NSM or MM #:	N/A
4.	(a) Ident	ification of System: ND - Residual Heat Removal 4. (b) Class of System: B	
5.	(a) Applicable Co (b) Applicable Ed	nstruction Code: <u>ASME III</u> 19 <u>71</u> Edition, <u>Summer and Winter</u> Addenda, <u>N/A</u> ition of Section XI Utilized for Repair / Replacement Activity: <u>1998, 2000 Addenda</u> (1998 through 2000 Addenda for	Code Cases Class MC and CC and their supports)
6	Identification of Co	omnonents:	

	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	(yes or no)
A	2MCA-ND-5508	Duke Power	14936	N/A	N/A	N/A	☐ Repaired, ☑ Replaced, ☐ Replacement	☑ No □ Yes
В	2MCA-ND-5508	Duke Power	36855	N/A	N/A	N/A	☐ Repaired, ☐ Replaced, ☐ Replacement	☑ No
C							☐ Repaired, ☐ Replaced, ☐ Replacement	□ No □ Yes
D			·				☐ Repaired, ☐ Replaced, ☐ Replacement	□ No □ Yes
Ε							☐ Repaired, ☐ Replaced, ☐ Replacement	□ No
F							☐ Repaired, ☐ Replaced, ☐ Replacement	□No

7.	Description of Work Replaced snubber.
8.	Tests Conducted:Hydrostatic ☐ Pneumatic ☐ Nom. Operating Press. ☐ Other ☐ Exempt
	Pressurepsig Test Temp°F
	Pressurepsig Test Temp°F
	Pressurepsig 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 Stemp N/A
	Type Code Symbol Stamp <u>N/A</u> Certificate of Authorization No. <u>N/A</u> Expiration Date <u>N/A</u>
	12.
	Signed FL Grass Jr, QA Tech Specialist Date 3/17/2008  Owner or Owner's Designee, Title
	CERTIFICATE OF MOSPIVOS MOREOTION
	CERTIFICATE OF 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
	2-14-08 to $3-19-08$ and state that to the best of my 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.
	Alroyse T. Jura Jerome F Swan Commissions NC1524, N-I
	Inspector's Signature National Board, State, Province and Endorsements
	Date 3 - 19-2008

## FORM NIS-2 OWNER'S REPOR. JR REPAIR / REPLACEMENT ACTIVITY

_		- OIII OIIIIII	,
	As Required B	The Provisions Of The ASME Code Section XI	

1.	Owner Address:	<u>Duke Power Company</u> 526 S. Church Street, Charlotte	e, NC 28201-1006					March 25, 2008
		McGuire Nuclear Station  12700 Hagers Ferry Road, Hur  □3 □Shared (specify Units)						
	Work Performed By Address:	: <u>Duke Power Company</u> 526 S. Church Street, Charlo	otte NC 28201-1006		3a. W	ork Orde	r # : <u>1745182</u> Repair Organization	
	Type Code Symbol	Stamp: N/A Authorization No.	N/A Expiration Date: N/A		3b. N	SM or MM	1#:N/A	·
4.	(a) Identification of	System: NI - Safety Injection	· · · · · · · · · · · · · · · · · · ·	4. (b) Class	of System: B			
	(a) Applicable Con (b) Applicable Edit	struction Code: <u>ASME III</u> 19 <u>71</u> I on of Section XI Utilized for Rep	Edition, <u>Summer and Wir</u> pair / Replacement Activit	nter Addenda, y: 1998, 2000 Addend	N/A la_(1998 through 20	00 Adder	Code (	Cases d CC and their supports
6.	Identification of Con	nponents:			,			
	Column 1	Column 2	Column 3	Column 4	Column 5	Col 6	Column 7	Column 8
	Name of Component	Name of Mfg	Mfg Serial No.	National Board No.	Other Identification	Year Built	Corrected, Removed, or Installed	

	Column 1	Column 2	Column 3	Column 4	Column 5	Col 6	Column 7	Column 8
	Name of Component	Name of Mfg	Mfg Serial No.	National Board No.	Other Identification	Year Built	Corrected, Removed, or Installed	ASME Code Stamped (yes or no)
Α	2MCR-NI-4699	Duke Power	20732	N/A	N/A	N/A	☐ Repaired, ☑ Replaced,	☑ No
В	2MCR-NI-4699	Duke Power	16569	N/A	. N/A	N/A	☐ Replacement☐ Repaired,☐ Replaced,☐	☐ Yes ☑ No
							☑ Replacement	☐ Yes
С	·						☐ Repaired, ☐ Replaced,	· □ No
		<del></del>		•			☐ Replacement	□ Yes
D							☐ Repaired, ☐ Replaced,	□ No
							☐ Replacement	□ Yes
E							☐ Repaired, ☐ Replaced,	□ No
							☐ Replacement	☐ Yes
F							☐ Repaired, ☐ Replaced,	□No
	<u> </u>		.1		1	1	☐ Replacement	☐ Yes

7.	Description of	f Work	Replaced s	nubber			
8.	Tests Conduc	cted:Hydrosta	tic □ Pneumati	c □ Nom. Oper	ating Press.	☐ Other ☐ Exem	npt⊠
		Pressure	nsia	Test Temn	۰F		
		Pressure	psig psig	Test Temp	 ∘F		
	•	Pressure	psig	Test Temp	 °F		
9.	Remarks						·
		(Appli	cable Manufacturer'	s Data Reports to be	attached)		<del></del>
	of the ASM Type Code	E Code, Section  Symbol Stamp of Authorization	n XI. <u>N/A</u> No. <u>N/A</u> . Grass Jr,QA Tec	, <b>E</b> )	piration Date <u>I</u>		
	Pressure V <u>HSB CT</u> has <u>2~/4~ OS</u> has perfore accordance By signing or implied, Report. Fu	rsigned, holding ressel Inspectors ave inspected the to 3 - 26 - 08 med examination with the require this certificate neconcerning the earthermore, neither al injury or proper than the results of the results are results.	ements of ASME Ceither the Inspecto examinations and certhe Inspector neerty damage or a lo	n issued by the Na Province of North cribed in this Owne the best of my kn ctive measures de code, Section XI. r nor his employer corrective measure or his employer sh oss of any kind aris	tional Board of Carolina and er's Report duri owledge and be scribed in this can makes any was described in all be liable in a	employed by ing the period elief, the Owner Owner's Report in rranty, expressed this Owner's iny manner for innected with this	

# FORM NIS-2 OWNER'S REPOI. .: 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 <u>March 9, 2008</u> Sheet <u>1</u> of <u>1</u>
2.	Plant Address:	McGuire Nuclear Station		
		12700 Hagers Ferry Road, Huntersville, NC 28078		
2a.	Unit: □1 Ø2	□3 □Shared (specify Units)		
3.	Work Performed By Address:	y: <u>Duke Power Company</u> 526 S. Church Street, Charlotte NC 28201-1006	3a. Work Order # :	1745184 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	f System: <u>SV - Main Steam Vent to Asmosphere</u> 4. (b) Class of System:	В	
5.	(a) Applicable Co (b) Applicable Edi	nstruction Code: <u>ASME III</u> 1971 Edition, <u>Summer and Winter</u> Addenda, <u>N/A</u> tion of Section XI Utilized for Repair / Replacement Activity: <u>1998, 2000 Addenda</u> (1998 thro	ugh 2000 Addenda fo	Code Cases r Class MC and CC and their supports)
6.	Identification of Co	mponents:		

	Column 1	Column 2	Column 3	Column 4	Column 5	Col 6	Column 7	Column 8
	Name of Component	Name of Mfg	Mfg Serial No.	National Board No.	· Other Identification	Year Built	Corrected, Removed, or Installed	ASME Code Stamped (yes or no)
Α	0840 & 637.4	Duka Dawar	170	N1/A	. A1/A	N1/A	☐ Repaired,	☑ No
	2MCA-SV-1	Duke Power	173	N/A	N/A	N/A	<ul><li>☑ Replaced,</li><li>□ Replacement</li></ul>	☐ Yes
В	2MCA-SV-1	Duke Power	36853	N/A	N/A	N/A	☐ Repaired, ☐ Replaced,	☑ No
1							☑ Replacement	☐ Yes
С							☐ Repaired, ☐ Replaced,	□No
1						]	☐ Replacement	☐ Yes
D							☐ Repaired, ☐ Replaced,	□ No
<u> </u>							☐ Replacement	☐ Yes
Ε							☐ Repaired, ☐ Replaced,	□ No
<u> </u>				·		]	☐ Replacement	☐ Yes
F							☐ Repaired, ☐ Replaced,	□No
					<u> </u>	]	☐ Replacement	☐ Yes

7.	Description of Work Replaced snubber	<del></del>
8.	Tests Conducted:Hydrostatic ☐ Pneumatic ☐ Nom. Operating Press. ☐ Other ☐ Exe	empt⊠
9.	Pressurepsig Test Temp°F Pressurepsig Test Temp°F Pressurepsig Test Temp°F Remarks	
	(Applicable Manufacturer's Data Reports to be attached)	
	CERTIFICATE OF COMPLIANCE  I certify that the statements made in the report are correct and this conforms to the requirements of the ASME Code, Section XI.  Type Code Symbol Stamp N/A Certificate of Authorization No. N/A  Signed FL Grass Jr,QA Tech Specialist Owner of 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 2-14-08 to 3-10-8; and state that to the best of my 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.    Variational Board, State, Province and Endorsements Date 3-10-2008	

### FORM NIS-2 OWNER'S REPOR. . OR REPAIR / REPLACEMENT ACTIVITY

-	OTTILL OTTILL MILL MILL DIOCHILLY NO
	As Required By The Provisions Of The ASME Code Section XI

			As Required By	The Provisions Of Th	e ASME Code Section XI			
1.	Owner Address:	Duke Power Company					1a. Date <u>1</u>	March 17, 2008
		526 S. Church Street, Charlotte	NC 28201-1006	. et			Sheet	<u>1</u> of <u>1</u>
2.	Plant Address:	McGuire Nuclear Station						
	~	12700 Hagers Ferry Road, Hur	ntersville, NC 28078					
2a.	Unit: □1 ☑2	□3 □Shared (specify Units		)				
3.	Work Performed By Address:	y: <u>Duke Power Company</u> 526 S. Church Street, Charlo	otte NC 28201-1006		3a. V	Vork Orde	#: 1745185 Repair Organization	
	Type Code Symbol	Stamp: <u>N/A</u> Authorization No.	N/A Expiration Date:	N/A	3b. N	ISM or MN	1#:N/A	
4.	(a) Identification o	f System: NI - Safety Injection	·	4. (b)	Class of System: B	<del></del>		
5.	(a) Applicable Cor (b) Applicable Edi	nstruction Code: <u>ASME III</u> 19 <u>71</u> tion of Section XI Utilized for Re	Edition, <u>Summer and</u> pair / Replacement Ac	Winter Addenda,	N/A ddenda (1998 through 2	000 Adder	Code	Cases d CC and their suppo
6.	Identification of Co	mponents:						
	Column 1	Column 2	Column 3	Column 4	Column 5	Col 6	Column 7	Column 8
	Name of Component	Name of Mfg	Mfg Serial No.	National Board	No. Other Identification	Year Built	Corrected, Removed, or Installed	ASME Code Stamped (yes or no)
Α	2MCR-NI-402	6 Duke Power	20558	N/A	N/A	N/A	☐ Repaired, ☑ Replaced,	⊠ No
							☐ Replacement	☐ Yes
В							☐ Repaired,	☑ No

	Column 1	Column 2	L Column 3	Column 4	Column 5	COLD	Column /	Column 8
	Name of Component	Name of Mfg	Mfg Serial No.	National Board No.	Other Identification	Year Built	Corrected, Removed, or Installed	ASME Code Stamped (yes or no)
Α							☐ Repaired,	⊠ No
	2MCR-NI-4026	Duke Power	20558	N/A	N/A	N/A	☑ Replaced,	
							☐ Replacement	☐ Yes
В		,					☐ Repaired,	☑ No
	2MCR-NI-4026	Duke Power	36852	N/A	N/A	N/A	☐ Replaced,	
							☑ Replacement	☐ Yes
С							☐ Repaired,	□No
							☐ Replaced,	
_	İ						☐ Replacement	☐ Yes
D							☐ Repaired,	□No
							☐ Replaced,	
							☐ Replacement	□ Yes
Ε							☐ Repaired,	□No
							☐ Replaced,	
						·	☐ Replacement	☐ Yes
F							☐ Repaired,	□ No
						}	☐ Replaced,	}
			,	1		1	☐ Replacement	☐ Yes

7.	Description of Work Replaced snubber.
8.	Tests Conducted:Hydrostatic ☐ Pneumatic ☐ Nom. Operating Press. ☐ Other ☐ Exempt
	Pressurepsig Test Temp°F
	Pressure psig Test Temp. °F
	Pressurepsig Test Temp°F Pressurepsig Test Temp°F
9.	Remarks
	(Applicable Manufacturer's Data Reports to be attached)
	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  Signed How G FL Grass Jr, QA Tech Specialist Owner or Owner's Designee, Title
	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 2-14-08 to 3-18-08; and state that to the best of my 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.  **Description**  **Description
	Inspector's Signature  Date 3-18-88

# FORM NIS-2 OWNER'S REPOI 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	:			_	March 10, 2008
2.	Plant Address:	McGuire Nuclear Station 12700 Hagers Ferry Road, Hun	tersville, NC 28078					
2a.	Unit: □1 🖾2	□3 □Shared (specify Units		)				
3.	Work Performed By Address:	: <u>Duke Power Company</u> 526 S. Church Street, Charlo	tte NC 28201-1006		3a.	Work Order	#: 1745187 Repair Organization	
	Type Code Symbol	Stamp: N/A Authorization No.	N/A Expiration Date: N/	<u>A</u>	3b.	NSM or MM	#:N/A	
4.	(a) Identification o	System: SM - Main Steam		4. (b) Cla	ss of System: B			
5.		struction Code: <u>ASME III</u> 19 <u>71</u> lion of Section XI Utilized for Rep						Cases d CC and their supports)
6.	Identification of Co	mponents:		· ·				
	Column 1	Column 2	Column 3	Column 4	Column 5	Col 6	Column 7	Column 8
	Name of Component	Name of Mfg	Mto Serial No.	National Board No.	Other Identification	n Year Built	Corrected Removed or	ASME Code Stamped

	Column 1	Column 2	Column 3	Column 4	Column 5	Col 6	Column 7	Column 8
	Name of Component	Name of Mfg	Mfg Serial No.	National Board No.	Other Identification	Year Built	Corrected, Removed, or Installed	ASME Code Stamped (yes or no)
Α	2MCA-SM-152	Duke Power	22396	N/A	N/A	N/A	<ul><li>☐ Repaired,</li><li>☑ Replaced,</li></ul>	☑ No
	21010A-3101-132	Dake I owel	22030	19/4	IV/A	19/7	☐ Replacement	☐ Yes
В	2MCA-SM-152	Duke Power	15712	N/A	N/A	N/A	<ul><li>☐ Repaired,</li><li>☐ Replaced,</li><li>☑ Replacement</li></ul>	☑ No □ Yes
С							☐ Repaired, ☐ Replaced,	☐ No
							☐ Replacement	☐ Yes
D						1	☐ Repaired, ☐ Replaced,	□No
					ļ	ļ <u>.</u>	☐ Replacement	□ Yes
E			·				<ul><li>☐ Repaired,</li><li>☐ Replaced,</li></ul>	│ □ No
							☐ Replacement	☐ Yes
F		-					☐ Repaired, ☐ Replaced,	□No
L	İ						☐ Replacement	☐ Yes

7.	Description of Work Replaced snubber
8.	Tests Conducted:Hydrostatic ☐ Pneumatic ☐ Nom. Operating Press. ☐ Other ☐ Exempt☑
	Pressurepsig Test Temp°F Pressurepsig Test Temp°F Pressurepsig Test Temp °F
9.	Pressurepsig Test Temp°F Remarks
	(Applicable Manufacturer's Data Reports to be attached)
	CERTIFICATE OF COMPLIANCE  I certify that the statements made in the report are correct and this conforms to the requirements of the ASME Code, Section XI.  Type Code Symbol Stamp N/A Certificate of Authorization No. N/A  Signed Holling FL Grass Jr, QA Tech Specialist Owner of 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 2-14-08; and state that to the best of my 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.    Provided Hermitian State   Commissions   NC1524, N-I

## FORM NIS-2 OWNER'S REPO. .-OR REPAIR / REPLACEMENT ACTIVITY As Required By The Provisions Of The ASME Code Section XI

		<u> </u>	As Hodginga By 1	THE THOUSING OF THE FROM	E 0000 0000011 XI				
1.	Owner Address:	Duke Power Company	,				1a. Date <u>I</u>	March 10, 2008	
		526 S. Church Street, Charlotte	NC 28201-1006	a a			Sheet _	of	
2.	Plant Address:	McGuire Nuclear Station							
		12700 Hagers Ferry Road, Hun	tersville, NC 28078						
2a.	Unit: □1 🖾2	□3 □Shared (specify Units _		)	i				
3.					3a. W	ork Order	#: 1745189		
	Address:	526 S. Church Street, Charlo	tte NC 28201-1006				Repair Organization	Job #	
	Type Code Symbo	Stamp: N/A Authorization No. I	N/A Expiration Date: N	<u>/A</u>	3b. N	SM or MM	#:N/A		
4.	(a) Identification of	of System: <u>CA – Auxiliary Feedw</u>	rater	4. (b) Class	of System: B	<del></del>			
5.	(a) Applicable Co (b) Applicable Ed	nstruction Code: <u>ASME III</u> 19 <u>71</u> E ition of Section XI Utilized for Rep	Edition, <u>Summer and V</u> pair / Replacement Activ	Vinter Addenda, vity: 1998, 2000 Addend	N/A ia (1998 through 20	00 Adden		Cases I CC and their suppo	orts)
6.	Identification of Co	emponents:							
	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	2MCA-CA-89	Duke Power	20977	N/A	N/A	N/A	<ul><li>☐ Repaired,</li><li>☑ Replaced,</li></ul>	☑ No	

	Column 1	Column 2	Column 3	Column 4	Column 5	Col 6	Column 7	Column 8
	Name of Component	Name of Mfg	Mfg Serial No.	National Board No.	Other Identification	Year Built	Corrected, Removed, or Installed	ASME Code Stamped (yes or no)
Α				7			☐ Repaired,	☑ No
	2MCA-CA-89	Duke Power	20977	N/A	N/A	N/A	☑ Replaced,	
							☐ Replacement	□ Yes
В				· ·			☐ Repaired,	☑ No
	2MCA-CA-89	Duke Power	36851	N/A	N/A	N/A	☐ Replaced,	
							☑ Replacement	☐ Yes
C							☐ Repaired,	□ No
							☐ Replaced,	
	]	•				]	☐ Replacement	☐ Yes
D							☐ Repaired,	□ No
_		•				]	☐ Replaced,	
	.						☐ Replacement	☐ Yes
E	<del> </del>						☐ Repaired,	□No
-	1						☐ Replaced,	·
	]						☐ Replacement	☐ Yes
F							☐ Repaired,	□No
l '							☐ Replaced,	
]							☐ Replacement	□Yes

7.	Description of Work Replaced snubber.	
8.	Tests Conducted:Hydrostatic ☐ Pneumatic ☐ Nom. Operating Press. ☐ Other ☐ Exe	empt⊠
9	Pressurepsig Test Temp°F Pressurepsig Test Temp°F Pressurepsig Test Temp°F Remarks	
	Remarks	
	(Applicable Manufacturer's Data Reports to be attached)	/
	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  Signed FL Grass Jr,QA Tech Specialist Owner or Owner's Designee, Title	
1	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 2-14-08 to 3-11-08; and state that to the best of my 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.    Out   Description   Out   Ou	

## FORM NIS-2 OWNER'S REPOR. OR REPAIR / REPLACEMENT ACTIVITY

As	Required	By T	he P	Provisions	Of The	ASME	Code	Section	ΧI
		-, .		10101010	OI 1110	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	~~~	CCCGC	<i>,</i> ,,

	· · · · · · · · · · · · · · · · · · ·		As Required B	y The Pro	visions Of The ASM	E Code Section XI			
1.	Owner Address:	Duke Power Company				•		1a. Date <u>N</u>	larch 17, 2008
		526 S. Church Street, Charlotte,	NC 28201-1006					Sheet _	<u>1</u> of <u>1</u>
2.	Plant Address:	McGuire Nuclear Station							
		12700 Hagers Ferry Road, Hunt	ersville, NC 28078						
2a.	Unit: □1	□3 □Shared (specify Units _		)					
3.	Work Performed B Address:	y: <u>Duke Power Company</u> 526 S. Church Street, Charlott	e NC 28201-1006			3a. W	ork Orde	#: 1745190 Repair Organization	
	Type Code Symbo	Stamp: <u>N/A</u> Authorization No. <u>N</u>	<u>/A</u> Expiration Date:	<u>N/A</u>		3b. N	SM or MM	1#: <u>N/A</u>	
4.	(a) Identification of	of System: NI - Safety Injection	· · · · · · · · · · · · · · · · · · ·		4. (b) Class	of System:A	_		
5.	(a) Applicable Co (b) Applicable Edi	nstruction Code: <u>ASME III</u> 19 <u>71</u> E ition of Section XI Utilized for Repa	dition, <u>Summer and</u> air / Replacement Ad	Winter of the control	Addenda, 998, 2000 Addend	N/A la_(1998 through 20	000 Adder	Code	Cases I CC and their suppor
6.	Identification of Co	mponents:							
	Column 1	Column 2	Column 3		Column 4	Column 5	Col 6	Column 7	Column 8
	Name of Component	Name of Mfg	Mfg Serial No.		National Board No.	Other Identification	Year Built	Corrected, Removed, or Installed	ASME Code Stamped (yes or no)
Α	2MCR-NI-455	6 Duke Power	21122		N/A	N/A	N/A	☐ Repaired, ☑ Replaced,	☑ No
								☐ Replacement	□ Yes
В	1	1				· ·		☐ Repaired,	⊠ No I

					) Ocidinino	1 00.0	Ο Ο Ιωί Ι Ι Ι Ι	90.01.11.0
	Name of Component	Name of Mfg	Mfg Serial No.	National Board No.	Other Identification	Year Built	Corrected, Removed, or Installed	ASME Code Stamped (yes or no)
Α	2MCR-NI-4556	Duke Power	21122	N/A	N/A	N/A	☐ Repaired, ☑ Replaced,	☑ No
				'"''			☐ Replacement	☐ Yes
В	_						☐ Repaired,	☑ No
	2MCR-NI-4556	Duke Power	36850	N/A	N/A	N/A	☐ Replaced,	
			<u> </u>			-	☑ Replacement	☐ Yes
С	ļ					1	☐ Repaired,	□No
			,				☐ Replaced,	
							☐ Replacement	☐ Yes
D				,			☐ Repaired,	│ □ No
	\ 						☐ Replaced,	
							☐ Replacement	☐ Yes
E							☐ Repaired,	□No
	]	,				ļ	☐ Replaced,	
	j i	•		· ·			☐ Replacement	☐ Yes
F							☐ Repaired,	□No
		-					☐ Replaced,	]
				}	1		☐ Replacement	☐ Yes

7.	Description of Work Replaced snubber.	
8.	Tests Conducted:Hydrostatic ☐ Pneumatic ☐ Nom. Operating Press. ☐ Other ☐ Exempt	<b>I</b>
9.	Pressurepsig Test Temp°F Pressurepsig Test Temp°F Pressurepsig Test Temp°F Remarks	
· .		_
	(Applicable Manufacturer's Data Reports to be attached)	
	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  Signed FL Grass Jr, QA Tech Specialist Date 3/17/2008 Owner of 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 2-/4-03 to 3-/6-03; and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of ASME 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.    Commissions NC1524, N-I   National Board, State, Province and Endorsements	

# FORM NIS-2 OWNER'S REPOF...-OR REPAIR / REPLACEMENT ACTIVITY As Required By The Provisions Of The ASME Code Section XI

1.	Owner Address:	Duke Power Company		1a. Date <u>March 25, 2008</u>
	-	526 S. Church Street, Charlotte, NC 28201-1006	÷	Sheet _ 1 _ of _1
2.	Plant Address:	McGuire Nuclear Station		
		12700 Hagers Ferry Road, Huntersville, NC 28078	-	
2a.	Unit: □1 ☑2	□3 □Shared (specify Units)		
3.	Work Performed By	7: Duke Power Company 526 S. Church Street, Charlotte NC 28201-1006	3a. Work Order #:_	1745191 Repair Organization Job #
	Type Code Symbol	Stamp: N/A Authorization No. N/A Expiration Date: N/A	3b. NSM or MM #:	· · · · · · · · · · · · · · · · · · ·
4.	(a) Identification o	f System: NI - Safety Injection 4. (b) Class of System:	В	
5.		nstruction Code: <u>ASME III</u> 19 <u>71</u> Edition, <u>Summer and Winter</u> Addenda, <u>N/A</u> tion of Section XI Utilized for Repair / Replacement Activity: <u>1998, 2000 Addenda</u> (1998 thro		Code Cases r Class MC and CC and their supports)
6.	Identification of Co	mponents:		
			<b>\</b>	

	Column 1	Column 2	Column 3	Column 4	Column 5	Col 6	Column 7	Column 8
	Name of Component	Name of Mfg	Mfg Serial No.	National Board No.	Other Identification	Year Built	Corrected, Removed, or Installed	ASME Code Stamped (yes or no)
Α	2MCR-NI-4043	Duke Power	21752	N/A	N/A	N/A	☐ Repaired, ☑ Replaced,	☑ No
В	2MCR-NI-4043	Duke Power	14765	N/A	N/A	N/A	☐ Replacement☐ Repaired,☐ Replaced,☐	☐ Yes ☑ No
C			<u> </u>				☑ Replacement ☐ Repaired,	☐ Yes ☐ No
							☐ Replaced, ☐ Replacement	☐ Yes
D							☐ Repaired, ☐ Replaced, ☐ Replacement	□ No □ Yes
E							☐ Repaired, ☐ Replaced, ☐ Replacement	□ No
F							☐ Repaired, ☐ Replaced, ☐ Replacement	□ No

7.	Description of Work Replaced snubber and 3/8" bolt at bracket.
	Tests Conducted:Hydrostatic ☐ Pneumatic ☐ Nom. Operating Press. ☐ Other ☐ Exempt☐  Pressurepsig
	(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  Signed FL Grass Jr.QA Tech Specialist  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 2-/4-03 to 3-26-03; and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of ASME 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.    Mational Board, State, Province and Endorsements Date 3-26-2088

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

1.	Owner Address:	<u>Duke Power Company</u>					1a. Date <u>N</u>	1arch 17, 2008
		526 S. Church Street, Charlotte	, NC 28201-1006		•		Sheet	_1of _1
2.	Plant Address:	McGuire Nuclear Station						
	•	12700 Hagers Ferry Road, Hur	ntersville, NC 28078					
20	Unit: □1 ☑2			,				
2a.	Offic. Lit 1822	□3 □Shared (specify Units		)				
3.		: Duke Power Company			3a. W	ork Orde	#: <u>1745192</u>	
	Address:	526 S. Church Street, Charlo	tte NC 28201-1006				Repair Organization	Job #
	Type Code Symbol	Stamp: N/A Authorization No.	<u>N/A</u> Expiration Date: <u>N</u>	<u> 1/A</u>	3b. N	SM or MM	l #:N/A	
4.	(a) Identification o	f System: <u>NI – Safety Injection</u>		4. (b) Class	of System: B	<del></del>		
5.	(a) Applicable Cor (b) Applicable Edi	nstruction Code: <u>ASME III</u> 19 <u>71</u> tion of Section XI Utilized for Re <sub>l</sub>	Edition, <u>Summer and V</u> pair / Replacement Acti	<u>Vinter</u> Addenda, vity: <u>1998, 2000 Addend</u>	N/A da_(1998 through 20	00 Adder		Cases I CC and their suppo
6.	Identification of Co	mponents:				•		
	Column 1	Column 2	Column 3	Column 4	Column 5	Col 6	Column 7	Column 8
	Name of Component	Name of Mfg	Mfg Serial No.	National Board No.	Other Identification	Year Built	Corrected, Removed, or Installed	ASME Code Stamped (yes or no)
Α	,						☐ Repaired,	☑ No
	2MCR-NI-471	6 Duke Power	20742	N/A	N/A	N/A	☑ Replaced,	
			<u> </u>		<del></del>		☐ Replacement	□ Yes
В	2MCR-NI-471	6 Duke Power	00040	NI/A	NI/A	NI/A	☐ Repaired,	☑ No
	2MCH-N1-471	b Duke Power	36848	N/A	N/A	N/A	<ul><li>☐ Replaced,</li><li>☑ Replacement</li></ul>	□Yes
C				<del></del>	<del> </del>	<del> </del>	☐ Repaired,	□ No
_							☐ Replaced,	
							☐ Replacement	□Yes
D			·				☐ Repaired,	□No
							☐ Replaced,	
							☐ Replacement	☐ Yes
Ε					1		□ Repaired,	□No

☐ Yes □ No

☐ Yes

☐ Replaced,
☐ Replacement
☐ Repaired,
☐ Replaced,
☐ Replaced,
☐ Replacement

7.	Description of Work Replaced snubber.	· ——
8.	Tests Conducted:Hydrostatic ☐ Pneumatic ☐ Nom. Operating Press. ☐ Other ☐ Exempt	V
9.	Pressurepsig Test Temp°F Pressurepsig Test Temp°F Pressurepsig Test Temp°F Remarks	
	(Applicable Manufacturer's Data Reports to be attached)	
	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  Signed FL Grass Jr, QA Tech Specialist Owner 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 2-14-08 to 3-18-08 and state that to the best of my 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.	

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

•	• • • • • • • • • • • • • • • • • • • •	· · · · · ·	01 0.		*** * / * *		•
	As Required	By The	Provisions	Of The	ASME C	Code Section XI	

			As Required By	The Provisions Of The ASM	E Code Section XI	نائب والبيان والبيان			
1.	Owner Address:	Duke Power Company			•		1a. Date <u>N</u>	larch 10, 2008	
		526 S. Church Street, Charlotte	NC 28201-1006				Sheet _	1 of 1	
2.	Plant Address:	McGuire Nuclear Station			N.				
		12700 Hagers Ferry Road, Hur	tersville, NC 28078						
2a.	Unit: □1 🖾2	□3 □Shared (specify Units		)					
3.		: Duke Power Company			3a. W	ork Order	#: 1745194		
	Address:	526 S. Church Street, Charlo	tte NC 28201-1006				Repair Organization	Job #	
	Type Code Symbol	Stamp: N/A Authorization No.	N/A Expiration Date: N	<u>I/A</u>	3b. N	SM or MM	#:N/A		
4.	(a) Identification of	System: Ni - Safety Injection		4. (b) Class	of System: B				
5.	(a) Applicable Cor (b) Applicable Edit	nstruction Code: <u>ASME III</u> 19 <u>71</u> ion of Section XI Utilized for Re	Edition, <u>Summer and V</u> pair / Replacement Acti	<u>Vinter</u> Addenda, ivity: 1998, 2000 Addend	N/A da (1998 through 20	00 Adden	Code da for Class MC and	Cases d CC and their suppo	orts)
6.	Identification of Cor	mponents:							
	Column 1	Column 2	Column 3	Column 4	Column 5	Col 6	Column 7	Column 8	
	Name of Component	Name of Mfg	Mfg Serial No.	National Board No.	Other Identification	Year Built	Corrected, Removed, or Installed	ASME Code Stamped (yes or no)	
Α							☐ Repaired,	☑ No	
	2MCA-NI-472	2 Duke Power	118	N/A	N/A	N/A	☑ Replaced,		
						<b>}</b>	Replacement	Yes	
В							☐ Repaired,	☑ No	

	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							☐ Repaired,	☑ No
	2MCA-NI-4722	Duke Power	118	N/A	N/A	N/A	☑ Replaced,	
							☐ Replacement	☐ Yes
В							☐ Repaired,	☑ No
1	2MCA-NI-4722	<b>Duke Power</b>	36847	N/A	N/A	N/A	☐ Replaced,	
]	, ·					]	☑ Replacement	☐ Yes
C							☐ Repaired,	□No
		•					☐ Replaced,	
	Į.		1				☐ Replacement	☐ Yes
D							☐ Repaired,	□No
-	1					]	☐ Replaced,	
	1					·	☐ Replacement	☐ Yes
E							☐ Repaired,	□No
-							☐ Replaced,	}
	ĺ						☐ Replacement	☐ Yes
F							☐ Repaired,	□ No
							☐ Replaced,	]
-	1					-	☐ Replacement	□ Yes

7.	Description of Work Replaced snubber	
8.	Tests Conducted:Hydrostatic ☐ Pneumatic ☐ Nom. Operating Press. ☐ Other ☐ Exe	empt⊠
	Pressurepsig Test Temp°F	
	Pressurepsig Test Temp°F	
9.	Pressurepsig Test Temp°F Remarks	
		·
	(Applicable Manufacturer's Data Reports to be attached)	
-		•
	CERTIFICATE OF COMPLIANCE I certify that the statements made in the report are correct and this conforms to the requirements of the ASME Code, Section XI.  Type Code Symbol Stamp N/A Certificate of Authorization No. N/A  Signed FL Grass Jr, QA Tech Specialist Owner or Owner's Designee, Title	
	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 2-14-08 to 3-11-08; and state that to the best of my 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.    Province and Endorsements   National Board, State, Province and Endorsements	

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

		As nedared by the Hovisions of the	S AOME OOGS GEORGII AT	<u> </u>
1.	Owner Address:	Duke Power Company		1a. Date <u>March 10, 2008</u>
		526 S. Church Street, Charlotte, NC 28201-1006	<u>.</u>	Sheet <u>1</u> of <u>1</u>
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 Address:	v: <u>Duke Power Company</u> 526 S. Church Street, Charlotte NC 28201-1006	3a. Work Order # : _	1745195 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 o	f System: <u>CA – Auxiliary Feedwater</u> 4. (b) C	Class of System:B	
5.	(a) Applicable Cor (b) Applicable Edi	nstruction Code: <u>ASME III</u> 19 <u>71</u> Edition, <u>Summer and Winter</u> Addenda,	N/A ddenda_(1998 through 2000 Addenda fo	Code Cases r 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)
Α	2MCA-CA-56	Duke Power	10734	N/A	N/A	N/A	<ul><li>☐ Repaired,</li><li>☑ Replaced,</li></ul>	☑ No
	2IVIUA-UA-36	Duke Power	10734	IN/A	IN/A	18/7	☐ Replaced,	□ Yes
В	2MCA-CA-56	Duke Power	36846	N/A	N/A	N/A	<ul><li>☐ Repaired,</li><li>☐ Replaced,</li><li>☑ Replacement</li></ul>	☑ No □ Yes
С							☐ Repaired, ☐ Replaced, ☐ Replacement	□ No
D							☐ Repaired, ☐ Replaced, ☐ Replacement	□ No
Ε							☐ Repaired, ☐ Replaced, ☐ Replacement	□ No
F							☐ Repaired, ☐ Replaced, ☐ Replacement	□ No □ Yes

7.	Description of Work Replaced snubber.						
8.	Tests Conducted:Hydrostatic ☐ Pneumatic ☐ Nom. Operating Press. ☐ Other ☐ Exempt☑						
	Pressurepsig Test Temp°F Pressurepsig Test Temp°F Pressurepsig Test Temp°F						
9. —	Remarkspsig Test Temp F						
	(Applicable Manufacturer's Data Reports to be attached)						
CERTIFICATE OF COMPLIANCE  I certify that the statements made in the report are correct and this conforms to the requirements of the ASME Code, Section XI.  Type Code Symbol Stamp N/A Certificate of Authorization No. N/A  Signed FL Grass Jr, QA Tech Specialist Owner or Owner's Designee, Title							
(	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 2-14-08; and state that to the best of my 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.    Overland   Commissions   NC1524, N-I						

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

			As Required B	y The F	Provisions Of The ASMI	E Code Section XI			
1.	Owner Address:	Duke Power Company						1a. Date N	1arch 9, 2008
		526 S. Church Street, Charlotte	NC 28201-1006					Sheet _	<u>1</u> of <u>1</u>
2.	Plant Address:	McGuire Nuclear Station	· ·						
		12700 Hagers Ferry Road, Hur	tersville, NC 28078						,
2a.	Unit: □1 ☑2	□3 □Shared (specify Units		·	)				
3. Work Performed By: <u>Duke Power Company</u> 3a. Work Order # :					#:1745197				
	Address:	526 S. Church Street, Charlo	tte NC 28201-1006					Repair Organization	Job#
	Type Code Symbo	Stamp: N/A Authorization No.	N/A Expiration Date:	<u>N/A</u>	·	3b. N	SM or MN	#:N/A	
4.	(a) Identification of	f System: <u>SM - Main Steam</u>			_ 4. (b) Class o	of System: B			
5.	(a) Applicable Co	nstruction Code: ASME III 1971	Edition, Summer and	i Winte	er Addenda,	N/A		Code	
	(b) Applicable Edi	tion of Section XI Utilized for Rep	pair / Replacement A	ctivity:	1998, 2000 Addend	a (1998 through 20	00 Adden	da for Class MC and	d CC and their supports
6.	Identification of Co	mponents:					•		
	Column 1	Column 2	Column 3		Column 4	Column 5	Col 6	Column 7	Column 8
	Name of Component	Name of Mfg	Mfg Serial No.		National Board No.	Other Identification	Year Built	Corrected, Removed, or installed	ASME Code Stamped (yes or no)
Α								☐ Repaired,	☑ No
	2MCA-SM-10	4 Duke Power	197		N/A	N/A	N/A	☑ Replaced,	ПУсс
В							-	☐ Replacement☐ Repaired,	☐ Yes ☑ No
Ь	2MCA-SM-10	4 Duke Power	16035		N/A	N/A	N/A	☐ Replaced,	E 140
	2.0.07.0.0.7.0			·	,, .			☑ Replacement	☐ Yes
Ç								☐ Repaired,	□ No
								☐ Replaced,	
								Replacement	□ Yes
D								☐ Repaired, ☐ Replaced,	□No
		·						☐ Replacement	□Yes
E			<del></del>					☐ Repaired,	□No
<u> </u>								☐ Replaced,	
								☐ Replacement	□Yes
F								☐ Repaired,	□No
							1	☐ Replaced,	
								☐ Replacement	☐ Yes

7.	Description of Work Replaced snubber	<u>.</u>					
8.	Tests Conducted:Hydrostatic ☐ Pneumatic ☐ Nom. Operating Press. ☐ Other ☐ Exempt⊠						
9.	Pressurepsig Test Temp°F Pressurepsig Test Temp°F Pressurepsig Test Temp°F Remarks						
	(Applicable Manufacturer's Data Reports to be attached)						
	CERTIFICATE OF COMPLIANCE  I certify that the statements made in the report are correct and this conforms to the requirements of the ASME Code, Section XI.  Type Code Symbol Stamp N/A  Certificate of Authorization No. N/A  Signed FL Grass Jr, QA Tech Specialist  Owner or Owner's Designee, Titte						
	CERTIFICATE OF 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 2-14-00 to 3-10-03; and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of ASME 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.    Warred   Commissions   NC1524, N-I     Inspector's Signature   National Board, State, Province and Endorsements     Date 3-10-2008						

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

				no i tovidiche di mortem	2 0000 000001170			
1.	Owner Address:	Duke Power Company					1a. Date <u>N</u>	March 17, 2008
		526 S. Church Street, Charlotte	, NC 28201-1006				Sheet _	1 of 1
2.	Plant Address:	McGuire Nuclear Station		÷.				
		12700 Hagers Ferry Road, Hur	tersville, NC 28078					
2a.	Unit: □1 ☑2	□3 □Shared (specify Units		)				
3.	Work Performed By Address:	/: <u>Duke Power Company</u> 526 S. Church Street, Charlo	tte NC 28201-1006		3a. W	ork Order	#: 1745201 Repair Organization	
	Type Code Symbol	Stamp: N/A Authorization No.	N/A Expiration Date: N/A	<u>A</u>	3b. NS	SM or MM	#:N/A	
4.	(a) Identi	fication of System: <u>ND - Resi</u>	dual Heat Removal	4. (b)	Class of System	n: <u>B</u>	_	
5.	(a) Applicable Cor (b) Applicable Edi	nstruction Code: <u>ASME III</u> 19 <u>71</u> I tion of Section XI Utilized for Re <sub>l</sub>	Edition, <u>Summer and W</u> pair / Replacement Activ	inter Addenda, ity: 1998, 2000 Addend	N/A da_(1998 through 20	00 Adden		Cases d CC and their supports
6.	Identification of Co	mponents:						•.
	Column 1	Column 2	Column 3	Column 4	Column 5	Col 6	Column 7	Column 8
	Name of Component	Name of Mfg	Mfg Serial No.	National Board No.	Other Identification	Year Built	Corrected, Removed, or Installed	ASME Code Stamped (yes or no)

	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							☐ Repaired,	☑ No
	2MCA-ND-5880	Duke Power	20667	. N/A	N/A	N/A	☑ Replaced,	
			<u> </u>			1	☐ Replacement	□ Yes
В							☐ Repaired,	☑ No
	2MCA-ND-5880	Duke Power	36845	· N/A	N/A	N/A	☐ Replaced,	
				,			☑ Replacement	☐ Yes
C							☐ Repaired,	□No
							☐ Replaced,	
							☐ Replacement	☐ Yes
D							□ Repaired,	□No
	]						☐ Replaced,	
							☐ Replacement	☐ Yes
E							☐ Repaired,	□No
							☐ Replaced,	
}	1						☐ Replacement	☐ Yes
F							☐ Repaired,	□No
							☐ Replaced,	
1	·						☐ Replacement	☐ Yes

7.	Description of Work Replaced snubber.
8.	Tests Conducted:Hydrostatic ☐ Pneumatic ☐ Nom. Operating Press. ☐ Other ☐ Exempt⊠
	Pressurepsig Test Temp°F
	Pressurepsig Test Temp°F
	Pressurepsig Test Temp°F
9.	Remarks
•	
_	
	(Applicable Manufacturer's Data Reports to be attached)
	(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 Ald O El Grace Ir OA Toch Specialist Date 3/2/2 and
	Signed FL Grass Jr, QA Tech Specialist Date 3/12/202 Owner's Designee, Title
	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 2-14-08 to 3-16-08; and state that to the best of my 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.    Commissions NC1524, N-I   National Board, State, Province and Endorsements   Na

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

			As nequired by	The Provisions Of The ASIV	E Code Section XI				
1.	Owner Address:	Duke Power Company					1a. Date <u>1</u>	March 17, 2008	
		526 S. Church Street, Charlotte	e, NC 28201-1006				Sheet	1 of <u>1</u>	
2.	Plant Address:	McGuire Nuclear Station		· ::					
		12700 Hagers Ferry Road, Hu	ntersville, NC 28078						
2a.	Unit: □1 ☑2	□3 □Shared (specify Units		)					-
3.	Work Performed By Address:	y: <u>Duke Power Company</u> 526 S. Church Street, Charlo	otte NC 28201-1006		3a. W	ork Ordei	#: 1745202 Repair Organization		
	Type Code Symbol	Stamp: N/A Authorization No.	<u>N/A</u> Expiration Date: <u>N</u>	<u>//A</u>	3b. N	SM or MM	1#:N/A		
4.	(a) Identi	fication of System: <u>ND – Resi</u>	dual Heat Removal	4. (b)	Class of System	n: <u>B</u>	_		
5.	(a) Applicable Cor (b) Applicable Edi	nstruction Code: <u>ASME III</u> 19 <u>71</u> tion of Section XI Utilized for Re	Edition, <u>Summer and V</u> pair / Replacement Acti	Vinter Addenda, vity: 1998, 2000 Addend	N/A la (1998 through 20	00 Adder	Code	Cases d CC and their suppo	orts)
6.	Identification of Co	mponents:							
	Column 1	Column 2	Column 3	Column 4	Column 5	Col 6	Column 7	Column 8	
	Name of Component	Name of Mfg	Mfg Serial No.	National Board No.	Other Identification	Year Built	Corrected, Removed, or Installed	ASME Code Stamped (yes or no)	
А	2MCA-ND-618	31 Duke Power	21917	N/A	N/A	N/A	☐ Repaired, ☑ Replaced, ☐ Replacement	☑ No □ Yes	
В	2MCA ND 619	Pulko Powor	36844	N/A	N/Δ	N/A	☐ Repaired,	☑ No	

	Column 1	Column 2	Column 3	Column 4	Column 5	Colb	Column /	Column 8
	Name of Component	Name of Mfg	Mfg Serial No.	National Board No.	Other Identification	Year Built	Corrected, Removed, or Installed	ASME Code Stamped (yes or no)
Α							☐ Repaired,	☑ No
	2MCA-ND-6181	Duke Power	21917	N/A	N/A	N/A	☑ Replaced,	
						<u> </u>	□ Replacement	☐ Yes
В				,			☐ Repaired,	☑ No
	2MCA-ND-6181	Duke Power	36844	N/A	N/A	N/A	☐ Replaced,	
						<u> </u>	☑ Replacement	☐ Yes
С							☐ Repaired,	□ No
	] .				1	1	☐ Replaced,	
_							□ Replacement	☐ Yes
D					1.		☐ Repaired,	□ No
							☐ Replaced,	
Į							☐ Replacement	☐ Yes
E					1		☐ Repaired,	□No
ļ			*				☐ Replaced,	
l	į l						☐ Replacement_	☐ Yes
F							☐ Repaired,	□No
1		,					☐ Replaced,	
1	]						☐ Replacement	☐ Yes

7.	Description of Work Replaced snubber.
8.	Tests Conducted:Hydrostatic ☐ Pneumatic ☐ Nom. Operating Press. ☐ Other ☐ Exempt⊡
0	Pressurepsig Test Temp°F Pressurepsig Test Temp°F Pressurepsig Test Temp°F Remarks
9. 	nemarks
	(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  Signed FL Grass Jr,QA Tech Specialist Owner of 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 2-/4-00to 3-/6-02; and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of ASME Code, Section XI.  By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection.    Variable   Var

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

			As nequired by I	THE PROVISIONS OF THE ASIVI	E Code Section VI				
1.	Owner Address:	Duke Power Company		<u> </u>			1a. Date <u>N</u>	March 9, 2008	
		526 S. Church Street, Charlotte	, NC 28201-1006				Sheet _	1 of 1	
2.	Plant Address:	McGuire Nuclear Station		÷					
		12700 Hagers Ferry Road, Hur	tersville, NC 28078						
2a.	Unit: □1 ☑2	□3 □Shared (specify Units		)					
3.	Work Performed By Address:	y: <u>Duke Power Company</u> 526 S. Church Street, Charlo	otte NC 28201-1006		3a. W	ork Ordei	#: 1745204 Repair Organization		
	Type Code Symbol	Stamp: N/A Authorization No.	N/A Expiration Date: N	<u> </u>	3b. NS	SM or MM	I#:N/A		
4.	(a) Identification o	f System: <u>SM - Main Steam</u>		4. (b) Class	of System: B	<del></del>			
5.	(a) Applicable Cor (b) Applicable Edi	nstruction Code: <u>ASME III</u> 19 <u>71</u> tion of Section XI Utilized for Re	Edition, <u>Summer and V</u> pair / Replacement Acti	Vinter Addenda, vity: 1998, 2000 Addend	N/A da (1998 through 20	00 Adder	Code	Cases d CC and their supp	orts)
6.	Identification of Co	mponents:							
	Column 1	Column 2	Column 3	Column 4	Column 5	Col 6	Column 7	Column 8	
	Name of Component	Name of Mfg	Mfg Serial No.	National Board No.	Other Identification	Year Built	Corrected, Removed, or Installed	ASME Code Stamped (yes or no)	
Α	01404 514 40 (	(A) Duke Bewer	15115	N1/A	N1/A	NI/A	☐ Repaired,	☑ No	

	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	2MCA-SM-19.(A)	Duke Power	15115	N/A	N/A	N/A	<ul><li>□ Repaired,</li><li>☑ Replaced,</li></ul>	☑ No
							☐ Replacement	☐ Yes
В	2MCA-SM-19 (A)	Duke Power	21768	N/A	N/A	N/A	☐ Repaired, ☐ Replaced, ☑ Replacement	☑ No □ Yes
С	21121 211 12 (2)	D. D.	40407	A1/A	ALIA	21/4	☐ Repaired,	☑ No
	2MCA-SM-19 (B)	Duke Power	16137	N/A	N/A	N/A	☑ Replaced, □ Replacement	□ Yes
D	2MCA-SM-19 (B)	Duke Power	17366	N/A	N/A	N/A	☐ Repaired, ☐ Replaced, ☑ Replacement	☑ No □ Yes
E							☐ Repaired, ☐ Replaced,	□No
			-				☐ Replacement	□Yes
F							☐ Repaired, ☐ Replaced,	□No
			Ī				☐ Replacement	☐ Yes

7.	Description of Work Replaced snubbers
8.	Tests Conducted:Hydrostatic ☐ Pneumatic ☐ Nom. Operating Press. ☐ Other ☐ Exempt⊠
9.	Pressurepsig Test Temp°F Pressurepsig Test Temp°F Pressurepsig Test Temp°F Remarks
	(Applicable Manufacturer's Data Reports to be attached)
	CERTIFICATE OF COMPLIANCE  I certify that the statements made in the report are correct and this conforms to the requirements of the ASME Code, Section XI.  Type Code Symbol Stamp N/A Certificate of Authorization No. N/A  Signed FL Grass Jr, QA Tech Specialist Owner or Swner'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 2-14-08 to 3-10-08; and state that to the best of my 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.    Commissions NC1524, N-I   Inspector's Signature   National Board, State, Province and Endorsements   National Board, State, Province and Endorse

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

	<del></del>	<del></del>	As nequired b	y The Provisions Of The ASM	r code Section VI				
1.	Owner Address:	Duke Power Company					1a. Date M	larch 9, 2008	
		526 S. Church Street, Charlott	e. NC 28201-1006		•			1 of 1	
			0,110 20201 1000	• • • • • • • • • • • • • • • • • • • •			Oncot_		•
2.	Plant Address:	McGuire Nuclear Station	<del></del>						
	•	12700 Hagers Ferry Road, Hu	ntersville, NC 28078		· ·				,
2a.	Unit: □1 🖾2	□3 □Shared (specify Units		)			•		
2	Work Darfarmad D	y: Duke Power Company			:	Laule Ondan	# . 1745005		
3.	Address:	526 S. Church Street, Charl	otte NC 28201-1006		Ja. W	rork Order	#: 1745205 Repair Organization	Job #	•
	٠.				•		, -		
	Type Code Symbo	Stamp: N/A Authorization No.	N/A Expiration Date:	<u>N/A</u>	3b. N	SM or MM	#:N/A		
4.	(a) Identification of	of System: SM - Main Steam		4. (b) Class	of System:B			•	
•••		-					· .		
5.	(a) Applicable Cor	nstruction Code: <u>ASME III</u> 19 <u>71</u> ition of Section XI Utilized for Re	Edition, Summer and	Winter Addenda,	N/A	OO Addon		Cases	nte.
	(p) Abblicable Edi	mon or dection At Guilzed for the	pair / Nepiacement A	Citvity. <u>1990, 2000 Addent</u>	aa (1990 tillough 20	JOO Adden	da loi Glass MO and	J OO and then suppe	7113
6.	Identification of Co	mponents:	•						
	Column 1	Column 2	Column 3	Column 4	Column 5	Col 6	Column 7	Column 8	
	Name of Component	Name of Mfg	Mfg Serial No.	National Board No.	Other Identification	Year Built	Corrected, Removed, or	ASME Code Stamped	
A			<u> </u>				Installed  ☐ Repaired,	(yes or no) ☑ No	
^	2MCA-SM-20	Duke Power	15691	N/A	N/A	N/A	☑ Replaced,	E 140	
							☐ Replacement	☐ Yes	
В							☐ Repaired,	☑ No	
	2MCA-SM-20	Duke Power	, 36876	N/A	N/A	N/A	☐ Replaced,		
c						-	<ul><li>☑ Replacement</li><li>☐ Repaired,</li></ul>	☐ Yes	
							☐ Replaced,	L INO	
		ľ	-			•	☐ Replacement	□Yes	
D.						1	☐ Repaired,	□No	
}							☐ Replaced,		
							☐ Replacement	☐ Yes	
E							<ul><li>☐ Repaired,</li><li>☐ Replaced,</li></ul>	□No	
							☐ Replacement	□Yes	
F					<del>                                     </del>	+	☐ Repaired,	□No	
'							☐ Replaced,		
L					<u> </u>		☐ Replacement	☐ Yes	

7.	Description of Work Replaced snubber
8.	Tests Conducted:Hydrostatic ☐ Pneumatic ☐ Nom. Operating Press. ☐ Other ☐ Exempt⊠
	Pressurepsig Test Temp°F Pressurepsig Test Temp°F
9.	Pressurepsig Test Temp°F Remarks
	(Applicable Manufacturer's Data Reports to be attached)
.ė.	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  Signed FL Grass Jr, QA Tech Specialist 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 2-14-08 to 3-10-08; and state that to the best of my 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.    Practical Commissions

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

As Required By The Provisions Of The ASME	Code	Section >	ΧI
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Name of Component  Name of Mfg  Name of Mfg  Name of Mfg  National Board No.  National Board No.  Other Identification  Year Built  Corrected, Removed, or Installed (yes or no)  Repaired,  ZMCA-SM-153  Duke Power  21924  N/A  N/A  N/A  N/A  N/A  Replaced,				As Required By T	The Provisions Of The ASN	ME Code Section XI			
2. Plant Address: McGuire Nuclear Station  12700 Hagers Ferry Road, Huntersville, NC 28078  2a. Unit: □1	1.	Owner Address:	Duke Power Company	·				1a. Date <u>N</u>	March 17, 2008
2a. Unit:		**	526 S. Church Street, Charlotte	NC 28201-1006	•			Sheet _	of
2a. Unit:	2.	Plant Address:	McGuire Nuclear Station						
3. Work Performed By: Duke Power Company Address: 526 S. Church Street, Charlotte NC 28201-1006  Type Code Symbol Stamp: N/A Authorization No. N/A Expiration Date: 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 section of Components:  Column 1 Column 2 Column 3 Column 4 Column 5 Col 6 Column 7 Column 8 Name of Component Name of Mtg Mtg Serial No. National Board No. Other Identification Year Bullt Corrected, Removed, or ASME Code Stamp (yes or no).  A 2MCA-SM-153 Duke Power 21924 N/A N/A N/A N/A Replaced,			12700 Hagers Ferry Road, Hun	tersville, NC 28078					
Address: 526 S. Church Street, Charlotte NC 28201-1006  Type Code Symbol Stamp: N/A Authorization No. N/A Expiration Date: N/A  4. (a) Identification of System: SM — Main Steam	2a.	Unit:. □1	□3 □Shared (specify Units		)				€.
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 states of Column 1 Column 2 Column 3 Column 4 Column 5 Col 6 Column 7 Column 8 Name of Component Name of Mfg Serial No. National Board No. Other Identification Year Built Corrected, Removed, or ASME Code Stam (yes or no)  A 2MCA-SM-153 Duke Power 21924 N/A N/A N/A Replaced,	3.			tte NC 28201-1006		3a. W	/ork Ordei		Job #
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 soldentification of Components:    Column 1		Type Code Symbol	Stamp: N/A Authorization No.	N/A Expiration Date: N/	<u>/A</u>	3b. N	SM or MN	I#:N/A	
(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 section of Components:    Column 1	4.	(a) Identification o	f System: <u>SM - Main Steam</u>		4. (b) Class	of System: B			
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 ASME Code Stam (yes or no)  A 2MCA-SM-153 Duke Power 21924 N/A N/A N/A © Replaced,	5.								
Name of Component Name of Mfg Mfg Serial No. National Board No. Other Identification Year Built Corrected, Removed, or Installed (yes or no)  A 2MCA-SM-153 Duke Power 21924 N/A N/A N/A N/A Corrected, Removed, or ASME Code Stam (yes or no)  □ Repaired, □ Replaced,	6.	Identification of Co	mponents:					··	•
Installed (yes or no)		Column 1	Column 2	Column 3	Column 4	Column 5	Col 6	Column 7	Column 8
A 2MCA-SM-153 Duke Power 21924 N/A N/A N/A ☐ Repaired, ☐ No		Name of Component	Name of Mfg	Mfg Serial No.	National Board No.	Other Identification	Year Built		ASME Code Stamped (yes or no)
	A	2MCA-SM-15	3 Duke Power	21924	· N/A	N/A	N/A	☑ Replaced,	
B D Repaired VI No	_	<u> </u>			<u> </u>		ļ	☐ Replacement	□ Yes

Li	Column 1	Column 2	Column 3	Column 4	Column 5	Col 6	Column 7	Column 8
	Name of Component	Name of Mfg	Mfg Serial No.	National Board No.	Other Identification	Year Built	Corrected, Removed, or Installed	ASME Code Stamped (yes or no)
Α							☐ Repaired,	☑ No
ŀ	2MCA-SM-153	Duke Power .	21924	· N/A	N/A	N/A	☑ Replaced,	
1			•				☐ Replacement	□ Yes
В							☐ Repaired,	☑ No
1	2MCA-SM-153	Duke Power	15711	N/A	N/A	N/A	☐ Replaced,	
					·		☑ Replacement	☐ Yes
C							☐ Repaired,	□ No
1		,			į		☐ Replaced,	
	<u> </u>			· _			☐ Replacement	□ Yes
D		-					☐ Repaired,	□ No
	ļ				٠.	· .	☐ Replaced,	
l		·				l	☐ Replacement	☐ Yes
E							☐ Repaired,	□No
						}	☐ Replaced,	
		·					☐ Replacement	☐ Yes
F							☐ Repaired,	□ No ·
							☐ Replaced,	
-		1		ļ		<u> </u>	☐ Replacement	☐ Yes

7.	Description of Work Replaced snubber.	<u> </u>
8.	Tests Conducted:Hydrostatic ☐ Pneumatic ☐ Nom. Operating Press. ☐ Other ☐ Exe	mpt⊠
9.	Pressurepsig Test Temp°F Pressurepsig Test Temp°F Pressurepsig Test Temp°F Remarks	
	(Applicable Manufacturer's Data Reports to be attached)	
	CERTIFICATE OF COMPLIANCE  I certify that the statements made in the report are correct and this conforms to the requirements of the ASME Code, Section XI.  Type Code Symbol Stamp N/A  Certificate of Authorization No. N/A  Signed FL Grass Jr, QA Tech Specialist  Owner or Owner's Designee, Title	
	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 2-14-08 to 3-14-08; and state that to the best of my 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.    According to the National Board, State, Province and Endorsements	

OHM NIS-2	OWNER'S REPOR.	OR REPAI	R / REPLAC	EMENT ACT	IVITY
	As Required By The Prov	islons Of The A	SME Code Sect	tion XI	
			<del></del>		

1.	Owner Address:	<u>Duke Power Company</u>	1a. Date March 25, 2008
		526 S. Church Street, Charlotte, NC 28201-1006	Sheet 1 of 1
2.	Plant Address:	McGuire Nuclear Station	
		12700 Hagers Ferry Road, Huntersville, NC 28078	
2a.	Unit: ☐1	□3 □Shared (specify Units)	
3.	Work Performed By Address:	y: <u>Duke Power Company</u> 3a. W 526 S. Church Street, Charlotte NC 28201-1006	ork Order #: 1745207  Repair Organization Job #
	Type Code Symbol	Stamp: N/A Authorization No. N/A Expiration Date: N/A 3b. NS	SM or MM #:
4.	(a) Identification o	of System: NI – Safety Injection 4. (b) Class of System: A	<u>.                                    </u>
5.	(a) Applicable Coi (b) Applicable Edi	nstruction Code: <u>ASME III</u> 19 <u>71</u> Edition, <u>Summer and Winter</u> Addenda, <u>N/A</u> tion of Section XI Utilized for Repair / Replacement Activity: <u>1998, 2000 Addenda</u> (1998 through 20	Code Cases 00 Addenda for Class MC and CC and their supports
6	Identification of Co	mnononte:	

<ol><li>Identification of Components</li></ol>	Identification of Cor	nponents:
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	Column 1	Column 2	Column 3	Column 4	Column 5	Col 6	Column 7	Column 8
	Name of Component	Name of Mfg	Mfg Serial No.	National Board No.	Other Identification	Year Built	Corrected, Removed, or installed	ASME Code Stamped (yes or no)
Α	0MOD NII 4004	Dula Davia	10050	A1/A	21/4	21/4	☐ Repaired,	☑ No
	2MCR-NI-4661	Duke Power	18852	N/A	N/A	N/A	<ul><li>☑ Replaced,</li><li>☐ Replacement</li></ul>	□ Yes
В	<del></del>						☐ Repaired,	☑ No
	2MCR-NI-4661	Duke Power	36875	N/A	N/A	N/A	<ul><li>☐ Replaced,</li><li>☑ Replacement</li></ul>	□ Yes
C						<del>                                     </del>	☐ Repaired,	□No
							☐ Replaced, ☐ Replacement	☐ Yes
D					_		☐ Repaired,	□No
							☐ Replaced, ☐ Replacement	□Yes
E							☐ Repaired, ☐ Replaced,	□No
}				<u> </u>			☐ Replacement	☐ Yes
F							☐ Repaired,	□No
							☐ Replaced, ☐ Replacement	☐ Yes

7.	Description of Work Replaced snubber	
8.	Tests Conducted:Hydrostatic ☐ Pneumatic ☐ Nom. Operating Press. ☐ Other ☐ Exer	npt⊡
	Pressurepsig Test Temp°F Pressurepsig Test Temp°F Pressurepsig Test Temp°F	
9. —	Remarkspsig Test Temp*F	
_	(Applicable Manufacturer's Data Reports to be attached)	
	(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  Signed FL Grass Jr,QA Tech Specialist Owner of 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 2-14-08 to 324-06; and state that to the best of my 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.    Commissions NC1524, N-I   National Board, State, Province and Endorsements	

# FORM NIS-2 OWNER'S REPC. FOR REPAIR / REPLACEMENT ACTIVITY AS Required By The Provisions Of The ASME Code Section XI

1.	Owner Address:	Duke Power Company		1a. Date March 25, 2008
		526 S. Church Street, Charlotte, NC 28201-1006		Sheet <u>1</u> of <u>1</u>
2.	Plant Address:	McGuire Nuclear Station		
	•	12700 Hagers Ferry Road, Huntersville, NC 28078		
2a.	Unit: □1 🖾2	□3 □Shared (specify Units)		
3.	Work Performed B Address:	y: <u>Duke Power Company</u> 526 S. Church Street, Charlotte NC 28201-1006	3a. Work Order #:	1745208 Repair Organization Job #
	Type Code Symbo	Stamp: N/A Authorization No. N/A Expiration Date: N/A	3b. NSM or MM #:_	N/A
4.	(a) Identification of	f System: SM- Main Steam 4. (b) Class of System:	В	•
5.		nstruction Code: <u>ASME III</u> 19 <u>71</u> Edition, <u>Summer and Winter</u> Addenda, <u>N/A</u> tion of Section XI Utilized for Repair, / Replacement Activity: <u>1998, 2000 Addenda</u> (1998 thro	ough 2000 Addenda f	Code Cases or Class MC and CC and their supports)
6	Identification of Co	manantai	•	

6.	ident	ification	of	Component	s:
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	Column 1	Column 2	Column 3	Column 4	Column 5	Col 6	Column 7	Column 8
	Name of Component	Name of Mfg	Mfg Serial No.	National Board No.	Other Identification	Year Built	Corrected, Removed, or Installed	ASME Code Stamped (yes or no)
Α			01000		<b>31/A</b>	N1/A	☐ Repaired,	☑ No
}	2MCA-SM-74	Duke Power	21930	N/A	N/A	N/A	<ul><li>☑ Replaced,</li><li>□ Replacement</li></ul>	□Yes
В	2MCA-SM-74	Duke Power	22392	N/A	N/A	N/A	☐ Repaired, ☐ Replaced,	☑ No
						<u> </u>	☑ Replacement	☐ Yes
С			<u>.</u>				<ul><li>□ Repaired,</li><li>□ Replaced,</li></ul>	□No
							☐ Replacement	☐ Yes
D							☐ Repaired, ☐ Replaced, ☐ Replacement	□ No □ Yes
E							☐ Replacement ☐ Repaired, ☐ Replaced,	□ No
					<u> </u>		☐ Replacement	☐ Yes
F					·		☐ Repaired, ☐ Replaced,	□ No
						]	☐ Replacement	☐ Yes

7.	Description of Work Replaced snubber.
8.	Tests Conducted:Hydrostatic ☐ Pneumatic ☐ Nom. Operating Press. ☐ Other ☐ Exempt⊠
	Pressurepsig Test Temp°F Pressurepsig Test Temp°F Pressurepsig Test Temp°F
9. —	Remarks
	(Applicable Manufacturer's Data Reports to be attached)
	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  Signed FL Grass Jr, QA Tech Specialist 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 2-14-08 to 3-26-08; and state that to the best of my 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.  Order August Verome F Swan Commissions NC1524, N-I National Board, State, Province and Endorsements  National Board, State, Province and Endorsements

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

			·				
1.	Owner Address:	Duke Power Company				1a. Date <u>March 10, 2008</u>	
		526 S. Church Street, Charlotte	NC 28201-1006			Sheet 1 of 1	
2.	Plant Address:	McGuire Nuclear Station 12700 Hagers Ferry Road, Hun		:			
2a.	Unit: □1 Ø2	□3 □Shared (specify Units					
3.	Work Performed B Address:	y: <u>Duke Power Company</u> 526 S. Church Street, Charlo	tte NC 28201-1006		3a. Work Order #:_	1745209 Repair Organization Job #	
	Type Code Symbol	Stamp: N/A Authorization No. 1	N/A Expiration Date: N/A		3b. NSM or MM #:	N/A	
4.	(a) Identification of	of System: <u>SM – Main Steam</u>		4. (b) Class of System: _	<u>B</u>		
5.		nstruction Code: <u>ASME III</u> 19 <u>71</u> Etion of Section XI Utilized for Rep				Code Cases r Class MC and CC and their suppo	orts)
6.	Identification of Co	mponents:					
	Caluman	0-1				<del></del>	

	Column 1	Column 2	Column 3	Column 4	Column 5	Col 6	Column 7	Column 8
	Name of Component	Name of Mfg	Mfg Serial No.	National Board No.	Other Identification	Year Built	Corrected, Removed, or Installed	ASME Code Stamped (yes or no)
Α	2MCA-SM-283	Duke Power	17331	N/A	N/A	N/A	☐ Repaired, ☑ Replaced,	☑ No
-							☐ Replacement	□ Yes
В	2MCA-SM-283	Duke Power	36631	N/A	N/A	N/A	☐ Repaired,	☑ No
	21VICA-31VI-203	Duke Fower	30031	IN/A	IN/A	IN/A	☐ Replaced, ☐ Replacement	☐ Yes
С					-		☐ Repaired,	□ No
į							☐ Replaced,	
·	·				, , , , , , , , , , , , , , , , , , , ,	ļ	☐ Replacement	□ Yes
D							☐ Repaired,	□No
							☐ Replaced,	
							☐ Replacement	☐ Yes
E							☐ Repaired,	│ □ No
1		1				] .	☐ Replaced,	
							☐ Replacement	☐ Yes
F							☐ Repaired,	□No
Ì.		i i		1		Ì	☐ Replaced,	
1						1.	☐ Replacement	☐ Yes

7.	Description of Work Replaced snubber	
8.	Tests Conducted:Hydrostatic ☐ Pneumatic ☐ Nom. Operating Press. ☐ Other ☐ Exer	npt⊠
	Pressurepsig Test Temp°F	
	Pressurepsig Test Temp°F	
	Pressurepsig 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  Signed FL Grass Jr,QA Tech Specialist Owner of 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 2-14-08 to 3-11-08; and state that to the best of my 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.  **Province** The Inspector's Signature**  **Date** 3-11-288**  **Date** 3-11-288**  **Commissions** NC1524, N-I National Board, State, Province and Endorsements**  **Date** 3-11-288**  **Date	

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

1.	Owner Address:	Duke Power Company		1a. Date <u>March 28, 2008</u>
		526 S. Church Street, Charlotte, NC 28201-1006		Sheet <u>1</u> of <u>1</u>
2.	Plant Address:	McGuire Nuclear Station		
		12700 Hagers Ferry Road, Huntersville, NC 28078		
2a:	Unit: □1 Ø2	□3 □Shared (specify Units)		
3.	Work Performed B Address:	y: <u>Duke Power Company</u> 526 S. Church Street, Charlotte NC 28201-1006	3a. Work Order #:_	1745285 Repair Organization Job #
	Type Code Symbo	Stamp: <u>N/A</u> Authorization No. <u>N/A</u> Expiration Date: <u>N/A</u>	3b. NSM or MM #:	N/A
4.	(a) Identification of	of System: NS - Containment Spray 4. (b) Class of System:	В	
5.		nstruction Code: <u>ASME III</u> 19 <u>71</u> Edition, <u>Summer and Winter</u> Addenda, <u>N/A</u> tion of Section XI Utilized for Repair / Replacement Activity: <u>1998, 2000 Addenda</u> (1998 thro	ough 2000 Addenda fo	Code Cases or Class MC and CC and their supports)
6.	Identification of Co	mponents:		

	Column 1	Column 2	Column 3	Column 4	Column 5	Col 6	Column 7	Column 8
	Name of Component	Name of Mfg	Mfg Serial No.	National Board No.	Other Identification	Year Built	Corrected, Removed, or installed	ASME Code Stamped (yes or no)
Α	NS Piping	Duke Power	N/A	69	N/A	1982	☐ Repaired, ☐ Replaced, ☑ Replacement	□ No ☑ Yes
В				÷			☐ Repaired, ☐ Replaced, ☐ Replacement	□ No □ Yes
O							☐ Repaired, ☐ Replaced, ☐ Replacement	□ No □ Yes
Ω							☐ Repaired, ☐ Replaced, ☐ Replacement	□ No □ Yes
Ε							☐ Repaired, ☐ Replaced, ☐ Replacement	□ No □ Yes
F					·		☐ Repaired, ☐ Replaced, ☐ Replacement	□ No □ Yes

	Description of Work Replaced bolting material (studs and nuts) at the inlet and outlet nge at valve 2NS2.
8.	Tests Conducted:Hydrostatic ☐ Pneumatic ☐ Nom. Operating Press. ☑ Other ☐ Exempt☐  Pressurepsig Test Temp°F
	Pressurepsig Test Temp°F
	Pressurepsig Test Temp°F
9.	Remarks Functional performed per task 5.
	, (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 <u>N/A</u> Certificate of Authorization No. <u>N/A</u> Expiration Date <u>N/A</u>
	Signed FL Grass Jr, QA Tech Specialist Date 4/4/2008  Owner or Owner's Designee, Title
	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 3-24-08 to 4-5-08; and state that to the best of my 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.  Commissions NC1524, N-I Inspector's Signiture  National Board, State, Province and Endorsements  National Board, State, Province and Endorsements
	Codic Par November 1

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

1.	Owner Address:	Duke Power Company					1a. Date <u>.</u>	pril 3, 2008
		526 S. Church Street, Charlotte	e, NC 28201-1006				Sheet_	1 of 1
2.	Plant Address:	McGuire Nuclear Station		p = 2			,	
	•	12700 Hagers Ferry Road, Hu	ntersville NC 28078					
0-	Linia (714 - 1770)			· ·	•			
2a.	Unit: □1 ☑2	□3 □Shared (specify Units		)				
3.		/: Duke Power Company			3a. W	ork Orde	r#: <u>1747839</u>	
	Address:	526 S, Church Street, Charle	otte NC 28201-1006		•		Repair Organization	Job #
	Type Code Symbol	Stamp: N/A Authorization No.	N/A Expiration Date: N	<u>I/A</u>	3b. N	SM or MM	1#: <u>N/A</u>	
4.	(a) Identification o	f System: BB - Steam Genera	ator Blowdown Recyc	le 4. (b) Class	of System: B	<del></del> -		
5.	(a) Applicable Cor	nstruction Code: <u>ASME III</u> 19 <u>71</u> tion of Section XI Utilized for Re	Edition, Summer and V	Vinter Addenda,	N/A	100 Adda		Cases
	(b) Applicable Edi	tion of Section XI Offized for He	pair / Hepiacement Act	vity: <u>1998, 2000 Addend</u>	<u>pa</u> (1998 through 20	oo Adder	ida ior Ciass MC and	oc and their support
6.	Identification of Co	mponents:						
	Column 1	Column 2	Column 3	Column 4	Column 5	Col 6	Column 7	Column 8
	Name of Component	Name of Mfg	Mfg Serial No.	National Board No.	Other Identification	Year Built	Corrected, Removed, or Installed	ASME Code Stamped (yes or no)
Α							☐ Repaired,	☑ No
	2MCA-BB-548	9 Duke Power	N/A	N/A	N/A	N/A	☐ Replaced,	
						<u> </u>	☑ Replacement	□ Yes
В	-					}	☐ Repaired,	□No
						ļ	☐ Replaced,	□ Voa
C			<del> </del>		<del> </del>	<del> </del>	☐ Replacement	☐ Yes
C		}	1	;		1	☐ Repaired, ☐ Replaced,	L 110
						ł	☐ Replaced,	□Yes
D		<del></del>	<del> </del>	<del>                                     </del>	<del> </del>	+	☐ Repaired,	□ No
U							☐ Replaced.	
					1	}	☐ Replaced,	□Yes
E			<del>                                     </del>			<del> </del>	☐ Repaired,	□No
_							☐ Replaced,	
		ĺ					☐ Replacement	☐ Yes

□No

☐ Yes

☐ Repaired,
☐ Replaced,
☐ Replacement

7.	Description of Work Replaced material per MD20176.	
8.	Tests Conducted:Hydrostatic ☐ Pneumatic ☐ Nom. Operating Press. ☐ Other ☐ Ex	empt⊠
9.	Pressurepsig Test Temp°F Pressurepsig Test Temp°F Pressurepsig Test Temp°F Remarks	
	(Applicable Manufacturer's Data Reports to be attached)	
	CERTIFICATE OF COMPLIANCE  I certify that the statements made in the report are correct and this conforms to the requirements of the ASME Code, Section XI.  Type Code Symbol Stamp N/A  Certificate of Authorization No. N/A  Signed FL Grass Jr,QA Tech Specialist  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 4-1-00 to 4-4-00; and state that to the best of my 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.    Commissions NC1524, N-I   National Board, State, Province and Endorsements   National Board, State, Province and Endorsements   National Board, State, Province and Endorsements   National Board, State, Province and Endorsements   National Board, State, Province and Endorsements   National Board, State, Province and Endorsements   National Board, State, Province and Endorsements   National Board, State, Province and Endorsements   National Board, State, Province and Endorsements   National Board, State, Province and Endorsements   National Board, State, Province and Endorsements   National Board, State, Province and Endorsements   National Board, State, Province and Endorsements   National Board, State, Province and Endorsements   National Board, State, Province and Endorsements   National Board, State, Province and Endorsements   National Board, State, Province and Endorsements   National Board, State, Province and Endorsements   National Board, State, Province and Endorsements   National Board, State, Province and Endorse   National Board, State, Province and Endorse   National Board, State, Provi	1

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

	=		As Required By T	he Provisions Of The ASM	E Code Section XI				
1.	Owner Address:	Duke Power Company					1a. Date <u>M</u>	lay 29, 2008	
		526 S. Church Street, Charlotte	NC 28201-1006	•			Sheet _	1 of 1	
2.	Plant Address:	McGuire Nuclear Station							
		12700 Hagers Ferry Road, Hun	tersville, NC 28078						
2a.	Unit: □1 ☑2	□3 □Shared (specify Units							
3	Work Performed By Address:	Duke Power Company 526 S. Church Street, Charlo	te NC 28201-1006	·	3a. W	ork Order#:_	1750367 Repair Organization		
	Type Code Symbol	Stamp: N/A Authorization No. I	N/A Expiration Date: N/	<u>.</u>	3b. NS	5M or MM #:	N/A		
4.	(a) Identification of	System: <u>NV - Chemical and V</u>	olume Control	4. (b) Class (	of System: B			•	
5. -		struction Code: <u>ASME III</u> 19 <u>71</u> Eion of Section XI Utilized for Rep			N/A <u>a</u> (1998 through 20	00 Addenda fo		Cases I CC and their supp	orts
6.	Identification of Cor	mponents:						• •	*
	Column 1	- Column 2	Column 3	Column 4	Column 5	Col 6	Column 7	Column 8	
	Name of Commones	Nome of Mic	Man Coriol No.	Madianal O. ( 141)	A11 . 1.1. CC . C			4.0445 0	

lumn 1	- Column 2	Column 3	Column 4	Column 5	Col 6	Column 7	Column 8
ne 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)
NV Piping	Duke Power	N/A	80	N/A	1982	☐ Repaired, ☐ Replaced,	□ No
		<del></del>		<del></del>		☑ Replacement ☐ Repaired, ☐ Replaced,	☑ Yes □ No
						☐ Replacement	□ Yes
			,			<ul><li>☐ Repaired,</li><li>☐ Replaced,</li></ul>	□No
	·					☐ Replacement	☐ Yes
						☐ Repaired, ☐ Replaced, ☐ Replacement	□ No □ Yes
						□ Repaired, □ Replaced,	□ No
					·	☐ Repaired, ☐ Replaced,	□ No
	·						☐ Replaced,

7.	Description of Work Replaced bolting material in flange at valve 2NV220.
8.	Tests Conducted:Hydrostatic ☐ Pneumatic ☐ Nom. Operating Press. ☑ Other ☐ Exempt☐
9.	Pressurepsig Test Temp°F Pressurepsig Test Temp°F Pressurepsig Test Temp°F Remarks Visual functional performed per task 2 of this work order with no leaks detected.
	(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  Signed FL Grass Jr, QA Tech Specialist Owner or Swner'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 3-/4-00 to 5-29-00 and state that to the best of my 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.    Provided House   Commissions   NC1524, N-I
(	Date 5-29-2008

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

	····		<del></del>		<del></del>			
1.	Owner Address:	Duke Power Company					1a. Date <u>N</u>	March 17, 2008
		526 S. Church Street, Charlotte			Sheet_	1_ of 1		
2.	Plant Address:	McGuire Nuclear Station			÷			
		12700 Hagers Ferry Road, Hur	ntersville, NC 28078				•	
2a.	Unit: □1 ☑2	☐3 ☐Shared (specify Units		)				
^	Marila Darkanna ad Di	· · ·		······································	0 - 141			•
3.	Address:	y: <u>Duke Power Company</u> 526 S. Church Street, Charlo	otte NC 28201-1006	-	3a. vv	ork Order	#: 1751042 Repair Organization	
						<b>.</b>		
	Type Code Symbol	Stamp: N/A Authorization No.	N/A Expiration Date: N	<u>/A</u>	3b. N	SM or MM	I #:N/A	
4.	(a) Identification o	f System: NC - Reactor Coola	<u>int</u>	4. (b) Class o	f System: B	<del></del>		
5.	(a) Applicable Cor	astruction Code: ASME III 1971	Edition Summer and W	Vinter Addenda	N/A		Code	Cases
0.	(b) Applicable Edi	nstruction Code: <u>ASME III</u> 19 <u>71</u> tion of Section XI Utilized for Re	pair / Replacement Activ	vity: 1998, 2000 Addenda	a (1998 through 20	00 Adden	da for Class MC and	d CC and their support
6.	Identification of Co	mponents:						
-	Column 1	Column 2	Column 3	Column 4	Column 5	Col 6	Column 7	Column 8
	Name of Component	Name of Mfg	Mfg Serial No.	National Board No.	Other Identification	Year Built	Corrected, Removed, or Installed	ASME Code Stamped (yes or no)
A.							☐ Repaired,	☑ No
	Upper lateral		4	N/A	N/A	N/A	☐ Replaced,	
	support S/G A	4				ļ	☑ Replacement	□ Yes
В							☐ Repaired,	□No
		·					☐ Replaced, ☐ Replacement	□Yes
C						<del> </del>	☐ Replacement	□No
Ç						}	☐ Replaced,	
						İ	☐ Replacement	□ Yes
D		<del></del>					☐ Repaired,	□No
U		·					☐ Replaced,	
				·   · · .	*		☐ Replacement	☐ Yes
E					<del></del>		☐ Repaired,	□No
	1	1		1			☐ Replaced,	
							☐ Replacement	□Yes
F	<del>                                     </del>						☐ Repaired,	□No
•							☐ Replaced,	1
				<u> </u>			☐ Replacement	□ Yes

8. Tests Conducted:Hydrost Pressure _ Pressure _	psig psig	Test Temp.	°F	Other □ Exempt☑
Pressure _ Pressure _	psig	Test Temp.	°F	•
Pressure _	psig	Test Temp		
	nsia		°F	
	<del></del>	Test Temp.	°F	
J. Hemano				
		B . B		
(Ap	olicable Manufacturer	s Data Reports to t	be attached)	
I certify that the statemer of the ASME Code, Secti	ts made in the repo	OF COMPLIANC rt are correct and		requirements
Type Code Symbol Stam	p N/A			
Certificate of Authorization	n No. <u>N/A</u>		Expiration Date N/A	
Signed — Hosse   Owner of Owne	FL Grass Jr,QA Tec 's Designee, Title	h Specialist [	Date <u>3/17/2</u> 008	3
	ERTIFICATE OF IN	SERVICE INSPE	CTION	
I, the undersigned, holdin Pressure Vessel Inspector HSB CT have inspected to 3-7-08 to 3-76-2 has performed examinating accordance with the requestion by signing this certificate or implied, concerning the Report. Furthermore, new any personal injury or profinspection.	g a valid commissions and the State or the components des 20; and state that to the sand taken corresponds of ASME (aneither the Inspector examinations and ther the Inspector nerty damage or a light of the sand sand the sand sand sand sand sand sand sand sand	n issued by the N Province of North Cribed in this Own of the best of my k ctive measures dode, Section XI. In nor his employer storective measure or his employer stores of any kind and Commissions	lational Board of Boil th Carolina and empler's Report during to the nowledge and belief the escribed in this Own the makes any warrantes described in this thall be liable in any reservances.	oloyed by he period , the Owner er's Report in  ty, expressed Owner's nanner for sted with this

## FORM NIS-2 OWNER'S REPO: OR REPAIR / REPLACEMENT ACTIVITY As Required By The Provisions Of The ASME Code Section XI

_								الرسيدات الرسادات والمرادات	
1.	Owner Address:	Duke Power Company					1a. Date <u>1</u>	March 26, 2008	
		526 S. Church Street, Charlotte,	NC 28201-1006				Sheet	1 of 1	
2.	Plant Address:	McGuire Nuclear Station		÷	. *				
	•	12700 Hagers Ferry Road, Hunt	tersville, NC 28078						
2a.	Unit: □1 Ø2			)					-
3.	Work Performed By Address:	y: <u>Duke Power Company</u> 526 S. Church Street, Charlot	te NC 28201-1006		3a. W	ork Orde	#: 1751150 Repair Organization		
	Type Code Symbol	Stamp: <u>N/A</u> Authorization No. <u>N</u>	N/A Expiration Date: N	<u>//A</u>	3b. N	SM or MM	1#:N/A		
4.	(a) Identification of	f System: NS - Nuclear Samplin	ng	4. (b) Class	of System: B		•		
5.	(a) Applicable Cor (b) Applicable Edi	nstruction Code: <u>ASME III</u> 19 <u>71</u> E tion of Section XI Utilized for Rep	dition, <u>Summer and V</u> air / Replacement Acti	<u>Vinter</u> Addenda, vity: 1998, 2000 Addend	N/A la_(1998 through 20		Code		orts
6.	Identification of Co	mponents:							
	Column 1	Column 2	Column 3	Column 4	Column 5	Col 6	Column 7	Column 8	
	Name of Component	Name of Mfg	Mfg Serial No.	National Board No.	Other Identification	Year Built		ASME Code Stamped (yes or no)	
A	2NM-VA-6	Kerotest	VB34-19	21376	N/A	1977	☐ Repaired, ☐ Replaced, ☑ Replacement	□ No ☑ Yes	
В							☐ Repaired, ☐ Replaced,	□ No	
	İ			1			☐ Replacement	☐ Yes	
С							☐ Repaired,	□No	
					-		<ul><li>□ Replaced,</li><li>□ Replacement</li></ul>	□Yes	
D							☐ Repaired, ☐ Replaced,	□ No	
							☐ Replacement	□Yes	
E	1.				T	1	☐ Repaired,	□No	
							☐ Replaced,		
						<u> </u>	☐ Replacement	☐ Yes	

□ No

□ Yes

☐ Repaired,
☐ Replaced,
☐ Replacement

7.	Description of Work Replaced disc and bonnet.
8.	Tests Conducted:Hydrostatic ☐ Pneumatic ☐ Nom. Operating Press. ☑ Other ☐ Exempt
9.	Pressurepsig Test Temp°F Pressurepsig Test Temp°F Pressurepsig Test Temp°F Remarks MNT Functional performed per task 8.
	(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  Signed FL Grass Jr, QA Tech Specialist Owner or Owner's Designee, Title  Date 3/26/2008
ł	CERTIFICATE OF 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 3-8-08 to 3-26-08; and state that to the best of my 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.  Commissions NC1524, N-I National Board, State, Province and Endorsements  National Board, State, Province and Endorsements

## FORM NIS-2 OWNER'S REPON. FOR REPAIR / REPLACEMENT ACTIVITY

			As Hequired by H	THE PTOVISIONS OF THE ASIVI	L CODE SECTION AT		<del></del>		
1.	Owner Address:	Duke Power Company					1a. Date <u>/</u>	April 3, 2008	
		526 S. Church Street, Charlotte,	NC 28201-1006				Sheet	1 of 1	
2.	Plant Address:	McGuire Nuclear Station		•		•			
		12700 Hagers Ferry Road, Hunt	tersville. NC 28078						
2a.	Unit: □1 ☑2	□3 □Shared (specify Units							
		`` , _	····	<del></del> /				4	
3.	Work Performed By Address:	<ul> <li>Duke Power Company</li> <li>526 S. Church Street, Charlot</li> </ul>	to NC 28201-1006		3a. W	ork Order	#: 1761865 Repair Organization		
	Address.	520 S. Ondich Street, Onahot	te NO 20201-1000				Repair Organization	J00 #	
	Type Code Symbol	Stamp: N/A Authorization No. No. No. No. No. No. No. No. No. No.	V/A Expiration Date: N//	<u>A</u> .	3b. N	SM or MM	#:N/A		
4.	(a) Identification o	f System: NV – Chemical and V	olume Control	4 (b) Class (	of System:B				
						<del></del>			
5.	(a) Applicable Cor	nstruction Code: <u>ASME III</u> 19 <u>71</u> Etion of Section XI Utilized for Rep	dition, <u>Summer and Wi</u> air / Benlacement Activi	inter Addenda,	N/A la /1998 through 20	00 Adden		Cases	orts
			an 7 riopiacoment rion	ny. 1000, 2000 Addend	<u>ia</u> (1000 tillough 20	OO Adden	da ioi Olass Mo ani	a oo ana inen sapp	0110
·6.	Identification of Co	mponents:		•			•	•	
	Column 1	Column 2	Column 3	Column 4	Column 5	Col 6	Column 7	Column 8	
	Name of Component	Name of Mfg	Mfg Serial No.	National Board No.	Other Identification	Year Built	Corrected, Removed, or Installed	ASME Code Stamped (yes or no)	
Α							☐ Repaired,	☑ No	ı
	2MCR-NV-421	8 Duke Power	N/A	N/A	N/A	N/A	☐ Replaced,		
В						<del> </del>	<ul><li>☑ Replacement</li><li>☐ Repaired,</li></ul>	☐ Yes ☐ No	l
D							☐ Replaced.		l
					·	ļ	☐ Replacement	☐ Yes	l
С							☐ Repaired,	□ No	
							☐ Replaced,		ı
D					<del> </del>	ļ	☐ Replacement ☐ Repaired,	☐ Yes	i
ט		•					☐ Replaced,	L 140	ĺ
							☐ Replacement	☐ Yes	
Ε					)		☐ Repaired,	□ No	
		1	,	,			☐ Replaced,		i
						<del> </del>	☐ Replacement	☐ Yes	1
F		ļ.				[	<ul><li>□ Repaired,</li><li>□ Replaced,</li></ul>	□No	ĺ
							☐ Replacement	☐Yes	ĺ
	<del> </del>		<del></del>	<del></del>	<del></del>	ــــــــــــــــــــــــــــــــــــــ			,

7.	Description of Work Replaced item numbers 9 and 10.	
8.	Tests Conducted:Hydrostatic ☐ Pneumatic ☐ Nom. Operating Press. ☐ Other ☐ Exe	empt⊠
	Pressurepsig Test Temp°F	
	Pressurepsig Test Temp°F	
^	Pressurepsig Test Temp°F	
9.	Remarks	
	(Applicable Manufacturer's Data Reports to be attached)	
	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  Signed FL Grass Jr, QA Tech Specialist Owner of Owner's Designee, Title	
	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 2-7-08 to 4-5-08; and state that to the best of my 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.    Commissions   NC1524, N-I   Inspector's Signature   National Board, State, Province and Endorsements   Date 4-5-2008	

# FORM NIS-2 OWNER'S REPOR : 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					oril 10, 2008
2.	Plant Address:							
		12700 Hagers Ferry Road, Hun	tersville, NC 28078					
2a.	Unit: □1 ☑2	□3 □Shared (specify Units _		)				
3.	Work Performed By Address:	y: <u>Duke Power Company</u> 526 S. Church Street, Charlo	tte NC 28201-1006		3a. W	ork Orde	#: 1761865-	
	Type Code Symbol	Stamp: N/A Authorization No. I	N/A Expiration Date: N/	<u>A</u>	3b. N	SM or MM	1#:N/A	
4.	(a) Identification of	f System: <u>NV – Chemical and V</u>	Volume Control	4. (b) Class	of System: A			
5.	(a) Applicable Cou (b) Applicable Edi	nstruction Code: <u>ASME III</u> 19 <u>71</u> E tion of Section XI Utilized for Rep	Edition, <u>Summer and W</u> pair / Replacement Activ	inter Addenda, ity: 1998, 2000 Addend	N/A la_(1998 through 20	00 Adder	Code onda for Class MC and	Cases I CC and their support
6.	Identification of Co	mponents:			·			
	Column 1	Column 2	Column 3	Column 4	Column 5	Col 6	Column 7	Column 8
	Name of Component	Name of Mfg	Mfg Serial No.	National Board No.	Other Identification	Year Built	Corrected, Removed, or Installed	ASME Code Stamped (yes or no)
Α	. 2NV841	Kerotest	95EP0240	N/A	N/A	1995	☐ Repaired, ☑ Replaced, ☐ Replacement	□ No ☑ Yes
В	2NV841	BW/IP International	97EP0308	N/A	N/A	1997	☐ Repaired, ☐ Replaced, ☐ Replacement	□ No ☑ Yes
С	NV Piping	Duke Power	N/A	80	N/A	1982	☐ Repaired, ☐ Replaced, ☐ Replacement	□ No ☑ Yes
D							☐ Repaired, ☐ Replaced,	□ No
	ļ					ļ	☐ Replacement	☐ Yes
Ε					1	ļ	☐ Repaired,	□No
						-	☐ Replaced, ☐ Replacement	☐ Yes
F							☐ Repaired,	□No
							☐ Replaced, ☐ Replacement	□ Yes

	Description of Work Replaced valve and piping between welds NV2FW73-32 & 37 and /2FW102-5 & 6.
	Tests Conducted:Hydrostatic ☐ Pneumatic ☐ Nom. Operating Press. ☑ Other ☐ Exempt☐  Pressurepsig
<u> </u>	Tiernand Idiotorial performed per task of by procedure wit 70/747030/070.
	(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  Signed FL Grass Jr, QA Tech Specialist  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 I-17-08; and state that to the best of my 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.    Province Inspector

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

Pg. 1 of \_

#### BH/IP INTERNATIONALL INC.

- 1. Manufactured and certified by PUMP DIV-, LOS ANGELES OPERATION 2300 EAST VERNON AVE. VERNON, CA (name and address of N Certificate Holder)
- 2. Manufactured for DUKE POWER CO. McGUIRE SITE 13225 HAGERS FERRY RD. HWY 73 HUNTERSVILLE, NC 28078-8985 (name and address of Purchaser)
- 2<u>80</u>78-8985

3. Location of installation Duke FORER	CO. ECGO.	TKE SITE I		nd addre	ess)	73 BUNI	LEKSVIIILE, NC 200	
4. Model No., Series No., or Type	DECK	Drawing	DP-D-991	1-(1)	_ RevC		CRN_N/A	
5. ASME Code, Section III, Division 1:	19	71	WINTER I	L971	1		N/A	
	(editi	an)	(addenda d	fate)	(class)		(Code Case no.)	
6. Pump or valve	Nominal in	let size	2	0	Outlet size	2	<del></del>	
			(in.)			(in.)		
7. Material: Body SA182 GR F316	Bonnet	N/A	Dist	k <u>SA47</u>	9 TYPE 316	Bolting	N/A	
(a) (b)		(c)			(d)		(e)	
Cert. Nat'l		Bod	у		Bonnet		Disk	
Holder's Board		Seria	Bi		Serial		Serial	
Serial No. No.		No.			No.		No.	
97EP0303 N/A	-	328282 SN	AHM2	<del></del>	N/A		328293 SN 5	
97EP0304 N/A	-	328282 SN			N/A		328293 SN 6	
97EP0305 N/A		328282 SN			N/A		328293 SN 11	
97EP0306 N/A	328282 SN AHM7-19			N/A		328293 SN 15		
97EP0307 N/A		328282 SN AHM8-2			N/A		328293 SN 17	
97EP0308 N/A		328282 SN			N/A		328293 SN 19	
	<del></del>							
	<del></del>							
		-						
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	<del></del>			•			$\overline{}$	

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

#### FORM NPV-1 (Back — Pg. 2 of $\frac{2}{}$ )

97ZV0303 THRU 972V0308

Certificate Holder's Serial No. 1500# 3600 8. Design conditions °F or valve pressure class (1) (pressure) (temperature)

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

psi at 100°F

MATERIAL COVER: SA182 GR F316 NAMEPLATE ATTACHED BY WIRE CERT BOLDERS SN COVER 97EP0303 328290 SN 1 97EP0304 328290 SN 2 97EP0305 328290 SN 3 97EP0306 328290 SN 4 97EP0307 328290 SN 5 97EP0308 328290 SN 6

**CERTIFICATION OF DESIGN** 

ROBERT EUGENE MILLER Design Specification certified by . P.E. State Reg. no. DAVID A. WURANGIAN Reg. no. <u>M19547</u> Design Report certified by

CERTIFICATE OF COMPLIANCE We certify that the statements made in this report are correct and that this pump or valve conforms to the rules for construction of the ASME Code, Section III, Division 1. N-1130 JUNE 10, 1999

BW/IP INTERNATIONAL INC. Date Sept. 22, 1997. Name (N Certificate Holder)

3600

9. Cold working pressure

Signe (authorized representative)

#### CERTIFICATE OF INSPECTION

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

#### \*FACTORY MUTUAL ENGINEERING ASSOCIATION

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

(Authorized Inspector)

[Nat'l, Bd. (incl. endorsements) and state or prov. and no.]

(1) For manually operated valves only.

N Certificate of Authorization No.

#### FORM NIS-2 OWNER'S REPOR. FOR REPAIR / REPLACEMENT ACTIVITY

			As Required By Tr	ne Provisions Of The ASM	ME Code Section XI			
1.	Owner Address:	Duke Power Company					1a. Date <u>A</u>	pril 6, 2008
	-	526 S. Church Street, Charlo	tte, NC 28201-1006		•		Sheet	1 of 1
2.	Plant Address:	McGuire Nuclear Station						
		12700 Hagers Ferry Road, H	untersville, NC 28078		·		••	
2a.	Unit: □1 ☑2	□3 □Shared (specify Unit	ts	)				
<b>3</b> .	Work Performed By Address:	r: Duke Power Company 526 S. Church Street, Cha	rlotte NC 28201-1006		3a. W	ork Order	#: 1761865 Repair Organization	
	Type Code Symbol	Stamp: N/A Authorization No	. <u>N/A</u> Expiration Date: <u>N/A</u>	<u>4</u>	3b. N	SM or MM	1#:N/A	
4.	(a) Identification of	f System: NV - Chemical an	d Volume Control	4. (b) Class	of System: B	<del></del>		
5.	(a) Applicable Cor (b) Applicable Edit	nstruction Code: <u>ASME III</u> 197 tion of Section XI Utilized for F	1 Edition, <u>Summer and Wi</u> Repair / Replacement Activi	inter Addenda, ity: 1998, 2000 Adden	N/A da_(1998 through 20	000 Adden		Cases I CC and their supp
6.	Identification of Con	mponents:						
	Column 1	Column 2	Column 3	Column 4	Column 5	Col 6	Column 7	Column 8
	Name of Component	Name of Mfg	Mfg Serial No.	National Board No.	Other Identification	Year Built	Corrected, Removed, or Installed	ASME Code Stamped (yes or no)
Ā	2MCR-NV-478	1 Duke Power	N/A	N/A	N/A	N/A	☐ Repaired, ☐ Replaced, ☑ Replacement	☑ No □ Yes
В							☐ Repaired,	□ No
:		•					☐ Replaced, ☐ Replacement	□ Yes
C							☐ Repaired, ☐ Replaced,	□ No
		, ·					☐ Replacement	□ Yes

Ā	2MCR-NV-4781	Duke Power	N/A	N/A	N/A	N/A	☐ Repaired, ☐ Replaced,	☑ No
	2WON-11V-4701	Duke Fower	IN/A	N/A	IN/A	19/24	☐ Replaced,	□Yes
В							☐ Repaired,	□No
							☐ Replaced,	1
						<u> </u>	☐ Replacement	□ Yes
C							☐ Repaired,	□ No
						}	☐ Replaced,	
		<u> </u>				l	□ Replacement	☐ Yes
D	,		7				☐ Repaired,	□ No
				)	·		☐ Replaced,	
1	]	<u> </u>			·		☐ Replacement	☐ Yes
E						ļ	☐ Repaired,	□No
	l ·			}	]	Ì	☐ Replaced,	
				<u> </u>	·		☐ Replacement	☐ Yes
F							☐ Repaired,	. □ No
							☐ Replaced,	•
-					l		☐ Replacement	☐ Yes

7.	Description of Work Replaced item number 2.	
8.	Tests Conducted:Hydrostatic ☐ Pneumatic ☐ Nom. Operating Press. ☐ Other ☐ Exe	mpt図
	Pressurepsig Test Temp°F Pressurepsig Test Temp°F Pressurepsig Test Temp°F Remarks	
	(Applicable Manufacturer's Data Reports to be attached)	
	CERTIFICATE OF COMPLIANCE  I certify that the statements made in the report are correct and this conforms to the requirements of the ASME Code, Section XI.  Type Code Symbol Stamp N/A  Certificate of Authorization No. N/A  Signed Area FL Grass Jr, QA Tech Specialist  Owner of 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 3-3i-08 to 4-7-08; and state that to the best of my 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.    Application	

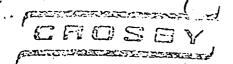
## FORM NIS-2 OWNER'S REPO. FOR REPAIR / REPLACEMENT ACTIVITY

As Rec	uired By	The Provisions	Of The ASME	Code Section XI

_	···		As Required By T	he Provisions Of The ASM	E Code Section XI .			····································			
1.	Owner Address:	Duke Power Company				•	1a. Date <u>A</u>	pril 10, 2008			
		526 S. Church Street, Charlot	te, NC 28201-1006				Sheet_	1 of <u>1</u>			
2.	Plant Address:	McGuire Nuclear Station									
		12700 Hagers Ferry Road, Hi	untersville, NC 28078								
2a.	Unit: □1 ☑2		s	)		·					
3.	Work Performed By: Duke Power Company Address: Duke Power Company 526 S. Church Street, Charlotte NC 28201-1006							#: 1769371  Repair Organization Job #			
	Type Code Symbol	ol 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	2NC-VA-3	Crosby	N56925-00-0002	26	N/A	1974	☐ Repaired, ☑ Replaced,	□No			
В							☐ Replacement☐ Repaired,	☑ Yes □ No			
۰	2NC-VA-3	Crosby	N56925-00-0001	25	N/A	1974	☐ Replaced,				
C	ļ	· · · · · · · · · · · · · · · · · · ·					☑ Replacement	☑ Yes			
U							☐ Repaired,	□ No			

1 ^ -	{		1	•			Li Repaired,	□ 1/10
	2NC-VA-3	Crosby	N56925-00-0002	26	N/A	1974	☑ Replaced,	
							☐ Replacement	☑ Yes
B	ļ		·   - · · ·	_			☐ Repaired,	□ No
1	2NC-VA-3	Crosby	N56925-00-0001	25	N/A	1974	☐ Replaced,	
							☑ Replacement	☑ Yes
C							☐ Repaired,	□ No
1			1		-		☐ Replaced,	
L_					L		☐ Replacement	☐ Yes
D							☐ Repaired,	□ No
							☐ Replaced,	
L_							☐ Replacement	☐ Yes
E							☐ Repaired,	□ No
Ì	1					Į	☐ Replaced,	
			<u> </u>				☐ Replacement	☐ Yes
F							☐ Repaired,	□ No
	1						☐ Replaced,	
!	1		1		- f	1	☐ Replacement	☐ Yes

7.	Description of Work Replaced valve.						
8.	Tests Conducted:Hydrostatic ☐ Pneumatic ☐ Nom. Operating Press. ☐ Other ☐ Exempt						
9.	Pressure 2235 psig Test Temp. 558 °F Pressure psig Test Temp. °F Pressure psig Test Temp. °F Remarks Functional test performed per task 4.						
	(Applicable Manufacturer's Data Reports to be attached)						
	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  Signed FL Grass Jr,QA Tech Specialist Owner of Owner's Designee, Title						
	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 3-6-03 to 1-14-03, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of ASME 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.						



# CROSSY 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.-41B

NB-25

DATA REPORT Safety and Safety Relief Valves

•		
		endrick St., Wrentham, Mass. 02093
6M6 HB-BP-86	Name and Address	2/12/72
Model No. <u>N-56925</u> Duke Power C	_Order_No. <u>N-300580</u>	Contract Date 2/12/73
2. Manufactured For Charlotte, N		Order No A-33957
Na Na	ime and Address	
3. Owner Duke Power Company	, 422 South Church St.	., Charlotte, North Carolina 28201
•	Name and Address	
4. Location of Plant McGuire Nucl	ear Station Unit #1, (	Cowans Ford, North Carolina
1-NC-1	N56025 00 0	DS-C-56925 Ray 0
5. Valve Identification		0001 Drawing No. <u>DS-C-56925 Rev. 0</u> 154
TypeSafety	Orifice Size	M Pipe Size Inlet 6 Outlet 6
Safety, Safety Relief, Pilot, Powe		nch Inch Inch Inch
6. Set Pressure (PSIG) 2485#	· · · · · · · · · · · · · · · · · · ·	700 F
(2000 ( 5 t)		
Stamped Capacity 420006#/hr	· 3 % Overpro	essure 3 Blowdown (PSIG) 124
Hydrostatic Test (PSIG) Inlet	/575 Comp	Para Valva 750
Hydrostatic Test (FSIG) filet	<u>4979</u> Comp	nete valve
7. The material, design, construction and	workmanship comply with ASME	Code, Section III.
Class 1 Edition	1971 A	ddenda Date <u>Winter 1972</u>
<u> </u>		
Pressure Containing or Pressure Reta	ining Components	
	One to be not	Managinal Connection to a
a. Castings	Serial No. Identification	Material Specification Including Type or Grade
		ASTM A-351-72 Gr. CF8M
Body	N90397-31-0003	ASNE SA-351 Gr. CF8M ASTM A-105-71 Gr. II
Bonnet	N90353-34-0016	ÄŠÍÉ SÁ-105 Gr. II
b. Bar Stock and Forgings		
Support Rods		·
• •	N90399-31-0003	ASTM A-182-71 Gr. F ASME SA-182 Gr. F
Nozzle		
Disc Insert Top	N90426-33-0010 N90350-32-0035	Haynes Stellite Gr. B6 ASTM A-105-71 Gr. II
Spring Washers Bottom	<u> </u>	AS: UE SA-105 Cr. II
Adjusting Bolt	N90351-35-0024	ASTE SA-193-70 CE6 B6
Spindle	_N90354-34-0025	ASTM A-193-71 Gr. E6 ASME SA-193 Cr. E6
		- ASTM A-276-72 Type 440C
Spindle Ball	N90355-0025	ASME SA-276 Type 440C
		· · · · · · · · · · · · · · · · · · ·

Serial No. or

Material Specification

	Identification	Including Type or Grade
c. Spring	NX-2761-0016	ASTM A-304 Gr. 51860H
. d. Bolting		
e. Other Parts such as Pilot Compos	ients	
Disc Holder	N90356-34-0014	Inconel 718
· Roman Chul	07500	ASTN A-193-71 Cr. B7
Bonnet Stud	87589	ASME SA-193 Gr. B7 ASTM A-194-71 Gr. 2H
Bonnet Stud Nut	2371.	ASME SA-194 Gr. 2H
	<u> </u>	
We certify that the statements made  Date 9-5 1974 Si		Co. By Ollmanager  QA Manager
	Mandiacetti et	QA Hanagel
Certificate of Authorization No.	331 expires Nover	rber 9, 1974
DESIGN INFORMATION ON FIL DESIGN REPORT NO. EC-158	LE AT CROSBY VALVE & GAGI	E COMPANY
	CERTIFICATE OF SHOP INSPECT	иои
Pressure Vessel Inspect Mutual Boiler & A	ding a valid commission issued by toos and the State or Province of Achinary Insurance Co.*	Mass. and employed by Walthem, Mass. have
state that to the best of	described in this Data Report on	acturer has constructed this equip-
By signing this certific	ate, neither the Inspector nor his en	uployer makes any warranty, ex-

pressed 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

(Ihapector)

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

\*Factory Mutual Group of Insurance Co. Commissions National Board, State, Province and No.

# DUKE POWER COMPANY DESIGN ENGINEERING DEPARTMENT VENDOR QUALITY ASSURANCE CERTIFICATION

Name of Vendor Crosby Vilve & G	age Comp	ltem No.
Address of Vendor Plant Wrenthan	m, Mass.	02093 Spec. No.MCS-1205.09 Rev. 1
Component(s) or MaterialStee	I Safety	Valve Date 12/18/75
•		Shipping ID No.
		Release No. N/A
Mill Power Order NoA-	-33957	
Certification Included Yes	Full	X Partial
		ions have been completed as required bation, list materials or components fo
1) Tested in accordance with C	roshy Pr	rocedure T-16065-0
2)		
3)		
Physical and Chemical Analysis	<u>X</u>	Major Repair Records and Chart $\underline{x}$
Design Report	_N/A_	Repair NDTX_
Stress Report	N/A	Hydro (Test PressPSIG) _x
Heat Treatment	<u> x</u>	Cleanliness <u>x</u>
Radiographic Test	<u> </u>	Operating Test
Ultrasonic Test	X	Performance CurveN/
Magnetic Particle	X	ASME Data Report X
Penetrant Tests	<u> X</u>	Personnel Qualifications on Record
Deviation Record None	· · · · · · · · · · · · · · · · · · ·	· .
	(If par cific sh	
Form 930.1	(Conti	inued) Rev. 1

# DUKE POWER \* LMPANY DESIGN ENGINEERING DEPARTMENT VENDOR QUALITY ASSURANCE CERTIFICATION

The listed component(s) or material(s) conform to the requirements of Duke Power Company Specification  $\underline{\text{MCS-1205.09 Rev. 1}}$  with the approved deviations noted above. The 0A documentation has been completed and attached to this form. No later than component or material shipment, the complete 0A documentation packet is being transmitted to Duke Power Company

S. K. Blackley, Jr., Chief Engineer, Mechanical & Nuclear Division

C. J. Wylie, Chief Engineer, Electrical Division

L. C. Dail, Chief Engineer, Civil & Environmental Division

Design Engineering Department P. O. Box 2178 Charlotte, N. C. 28242

A copy of this completed Vendor Quality Assurance Certification form will be included with shipping papers and shipped with the component to Duke Power Company, at the address designated in the specification. This is to certify that the item of equipment identified above fully meets the requirements of the above listed specification including all of the codes, standards, test requirements, and quality assurance requirements invoked therein.

Vence: Représentative Authorizeu Signature

Title Q.A. SupervisorDate 12/18/75

·Form 930.1

Rev. i

#### FORM NIS-2 OWNER'S REPOR. . OR REPAIR / REPLACEMENT ACTIVITY

			As nequired by i	he Provisions Of The ASM	Code Section XI					
1.	Owner Address:	Duke Power Company						March 9, 2008		
		526 S. Church Street, Charlotte	e, NC 28201-1006		•		Sheet _	_1_of <u>1</u>		
2.	Plant Address:	McGuire Nuclear Station	<del></del>							
	12700 Hagers Ferry Road, Huntersville, NC 28078									
2a	Unit: □1 Ø2	☐3 ☐Shared (specify Units		)						
				<del></del> /	•					
3.	Work Performed B Address:	y: <u>Duke Power Company</u> 526 S. Church Street, Charle	otte NC 28201-1006		3a. W	ork Order	#: 1799893 Repair Organization	Job #		
	Type Code Symbo	Stamp: N/A Authorization No.	N/A Expiration Date: N/	<u>'A</u>	3b. NS	SM or MM	#:N/A			
4.	(a) Identification of	of System: <u>CA – Auxiliary Feed</u> y	water	4. (b) Class of	of System: B					
5.	(a) Applicable Co	nstruction Code: ASME III 1971	Edition Summer and W	/inter Addenda	N/A		Code	Cases		
0.	(b) Applicable Edi	ition of Section XI Utilized for Re	pair / Replacement Activ	vity: 1998, 2000 Addend	a (1998 through 20	00 Adden				
6.	Identification of Co	mponents:					•	_		
	Column 1	Column 2	Column 3	Column 4	Column 5	Col 6	Column 7	Column 8		
	Name of Component	Name of Mfg	Mfg Serial No.	National Board No.	Other Identification	Year Built	Corrected, Removed, or Installed	ASME Code Stamped (yes or no)		
Α			•				☐ Repaired,	☑ No		
:	2MCA-CA-87	7 Duke Power	N/A	N/A	N/A	N/A	<ul><li>☐ Replaced,</li><li>☑ Replacement</li></ul>	☐ Yes		
В			<u> </u>	<del> </del>			☐ Repaired.	□ No		
			, ,			1	☐ Replaced,			
							□ Replacement	☐ Yes		
С							☐ Repaired,	□No		
							<ul><li>☐ Replaced,</li><li>☐ Replacement</li></ul>	☐ Yes		
D	ļ		<u> </u>		·	<del> </del>	☐ Replacement	□ No		
ט		<b>\</b>				Ì	☐ Replaced,			
				·			☐ Replacement	□ Yes		
E	<u> </u>		·	·			☐ Repaired,	□No		
İ							☐ Replaced,	□ Yes		
<u>_</u>	<b></b>					<del> </del>	☐ Replacement☐ Repaired,	□ No		
F					·		☐ Replaced,			
							☐ Replacement	□Yes		

7.	Description of Work Replaced pivot pin.						
8.	Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nom. Operating Press. ☐ Other ☐ Exe	mpt⊠					
	Pressurepsig Test Temp°F Pressurepsig Test Temp°F Pressurepsig Test Temp°F Remarks	•					
	(Applicable Manufacturer's Data Reports to be attached)						
CERTIFICATE OF COMPLIANCE I certify that the statements made in the report are correct and this conforms to the requirements of the ASME Code, Section XI.  Type Code Symbol Stamp N/A Certificate of Authorization No. N/A  Signed FL Grass Jr, QA Tech Specialist Owner of 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 3-5-08 to 3-11-08, and state that to the best of my 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.    Commissions NC1524, N-I   National Board, State, Province and Endorsements						

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

_											
1.	Owner Address:	Duke Power Company					1a. Date _(	03/22/2008			
		526 S. Church Street, Charlotte	e, NC 28201-1006				Sheet	of _1			
2.	Plant Address:	McGuire Nuclear Station	store ille NG 20079				·				
_		12700 Hagers Ferry Road, Hui									
2a.	Unit: □1 ⊠2	□3 □Shared (specify Units	<del></del>	)				•			
3.	Work Performed B				3a. W	ork Orde	r # : <u>01801521-01</u>				
	Address:	526 S. Church Street, Charle	otte NC 28201-1006				Repair Organization	Job #			
	Type Code Symbol	Stamp: N/A Authorization No.	N/A Expiration Date: N	<u>/A</u>	3b. N	SM or MN	/ #:N/A	:			
4.	(a) Identification o	f System: NI - Safety Injection	<u> </u>	4. (b) Class	of System:A	_					
5.	(a) Identification of System: NI – Safety Injection  4. (b) Class of System: A  (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 Co	mponents:									
	Column 1	Column 2	Column 3	Column 4	Column 5	Col 6	Column 7	Column 8			
	Name of Component	Name of Mfg	Mfg Serial No.	National Board No.	Other Identification	Year Built	Corrected, Removed, or Installed	ASME Code Stamped (yes or no)			
Α							□ Renaired	□ No			

	Column 1	Column 2	Column 3	Column 4	Column 5	Col 6	Column 7	Column 8
	Name of Component	Name of Mfg	Mfg Serial No.	National Board No.	Other Identification	Year Built	Corrected, Removed, or Installed	ASME Code Stamped (yes or no)
Α							☐ Repaired,	□ No
	Valve 2NI-0349	Kerotest	NU3-24	12035	N/A	1976	⊠Replaced,	
	1						□ Replacement	⊠Yes
В							☐ Repaired,	□ No
	1	•				\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	☐ Replaced,	
							☐ Replacement	☐ Yes
С							☐ Repaired,	□No
	1				.]		☐ Replaced,	
	<u>                                     </u>		<u> </u>	·			☐ Replacement	☐ Yes
D							☐ Repaired,	□ No
ŀ				and and see .			☐ Replaced,	
			•			<u> </u>	☐ Replacement	☐ Yes
E							☐ Repaired,	□No
							☐ Replaced,	
ļ						}	☐ Replacement	☐ Yes .
F							☐ Repaired,	□ No
		•		.[		1	☐ Replaced,	
							☐ Replacement	☐ Yes

7.	Description of Work Made Bonnet to Body Seal Weld				
	Tests Conducted: Hydrostotic G Programatic G Nom, Operating Proce G Other G Eve	mot⊠			
Ο.	Tests Conducted:Hydrostatic ☐ Pneumatic ☐ Nom. Operating Press.☐ Other ☐ Exe	mpu			
	Pressurepsig Test Temp°F Pressurepsig Test Temp°F				
	Pressurepsig Test Temp°F Pressurepsig Test Temp°F				
9.	Remarks				
	(Applicable Manufacturer's Data Reports to be attached)				
		1			
CERTIFICATE OF COMPLIANCE  I certify that the statements made in the report are correct and this conforms to the requirem of the ASME Code, Section XI.  Type Code Symbol Stamp N/A Certificate of Authorization No. N/A  Signed F.R. Sorrow, QA Tech Support Owner or Owner's Designee, Title  Date 03/22, 2008					
(	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 3-/0-08 to 3-25-05; 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.  Commissions NC1524, N-I  National Board, State, Province and Endorsements  National Board, State, Province and Endorsements				

### FORM NIS-2 OWNER'S REPO. ... 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 <u>March 18, 2008</u> Sheet 1 of 1
2.	Plant Address:	McGuire Nuclear Station					Official Total
		12700 Hagers Ferry Road, Huntersville, NC 28078				•	
2a.	Unit: □1 ☑2	□3 □Shared (specify Units)					
3.	Work Performed By Address:	y: <u>Duke Power Company</u> 526 S. Church Street, Charlotte NC 28201-1006	•		За.	Work Order # :	1802555 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 o	f System: NV - Chemical and Volume Control	4. (i	o) Class of System: _	В	-	

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)
А	2MCA-S-NV-535- 01H	Duke Power	7655	N/A	N/A	N/A	<ul><li>☐ Repaired,</li><li>☑ Replaced,</li><li>☐ Replacement</li></ul>	☑ No □ Yes
В	2MCA-S-NV-535- 01H	Duke Power	03615873-025	N/A	N/A	N/A	☐ Repaired, ☐ Replaced, ☑ Replacement	☑ No □ Yes
С							☐ Repaired, ☐ Replaced, ☐ Replacement	□ No □ Yes
D							☐ Repaired, ☐ Replaced, ☐ Replacement	□ No
E					·		☐ Repaired, ☐ Replaced, ☐ Replacement	□ No □ Yes
F							☐ Repaired, ☐ Replaced, ☐ Replacement	□ No □ Yes

7.	Description of Work Replaced snubber
8.	Tests Conducted:Hydrostatic ☐ Pneumatic ☐ Nom. Operating Press. ☐ Other ☐ Exempt⊠
	Pressurepsig Test Temp°F Pressurepsig Test Temp°F Pressurepsig 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  Signed Hand FL Grass Jr,QA Tech Specialist Owner of 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 3-13-03 to 3-19-08; and state that to the best of my 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.    Overland   Ov

#### FORM NIS-2 OWNER'S REPO. FOR REPAIR / REPLACEMENT ACTIVITY

			As Required By	The Provisions Of The ASM	E Code Section XI			
1.	Owner Address:	Duke Power Company					1a. Date <u>N</u>	farch 21, 2008
		526 S. Church Street, Charlott	e, NC 28201-1006				Sheet _	of
2.	Plant Address:	McGuire Nuclear Station	<del></del>	*		•		
	•	12700 Hagers Ferry Road, Hu	ntersville, NC 28078					
2a.	Unit: □1 🖾2	□3 □Shared (specify Units		)				
3.	Work Performed B Address:	y: <u>Duke Power Company</u> 526 S. Church Street, Charl	otte NC 28201-1006		3a. W	ork Order	#: 1802706 Repair Organization	
	Type Code Symbo	Stamp: <u>N/A</u> Authorization No.	N/A Expiration Date: N	<u> </u>	3b. N	SM or MM	#:N/A	
4.	(a) Identification of	of System: NI - Safety Injection	<u> </u>	4. (b) Class	of System: <u>A</u>			
5.	(a) Applicable Co. (b) Applicable Edi	nstruction Code: <u>ASME III</u> 19 <u>71</u> ition of Section XI Utilized for Re	Edition, <u>Summer and Version</u>	<u>Winter</u> Addenda, ivity: 1998, 2000 Addend	N/A da_(1998 through 20	00 Adden	Code da for Class MC and	Cases d CC and their supports
6.	Identification of Co	mponents:						
	Column 1	Column 2	Column 3	Column 4	Column 5	Col 6	Column 7	Column 8
	Name of Component	Name of Mfg	Mfg Serial No.	National Board No.	Other Identification	Year Built	Corrected, Removed, or installed	ASME Code Stamped (yes or no)
A	2MCR-NI-402	5 Duke Power	12101	N/A	N/A	N/A	☐ Repaired, ☐ Replaced,	☑ No
							☑ Replacement	☐ Yes
В					,		☐ Repaired,	□No
							☐ Replaced,	
					<u>                                     </u>	ļ	☐ Replacement	Yes
С							☐ Repaired,	□No
ļ	}		1 '		1	1	□ Replaced,	ı (

i				l			ii istalieu	(703 01 110)
A	1						☐ Repaired,	☑ No
	2MCR-NI-4025	Duke Power	12101	N/A	N/A	N/A	☐ Replaced,	ļ
1							☑ Replacement	☐ Yes
В							☐ Repaired,	□ No
1							☐ Replaced,	٥
		_					☐ Replacement	☐ Yes
C							☐ Repaired,	□ No
			·		l		☐ Replaced,	
							☐ Replacement	□Yes
T	<u> </u>						☐ Repaired,	□No
_	]	}					☐ Replaced,	
					1		☐ Replacement	☐ Yes
E	<del>                                     </del>						☐ Repaired,	□ No
-			1				☐ Replaced,	
			}		]	1	☐ Replacement	☐ Yes
F							☐ Repaired,	□No
\ '		}			1		☐ Replaced,	
							☐ Replacement	☐ Yes

7.	Description of Work Replaced load pin.	
8.	Tests Conducted:Hydrostatic ☐ Pneumatic ☐ Nom. Operating Press. ☐ Other ☐ Exem	npt⊡
	Pressurepsig Test Temp°F Pressurepsig Test Temp°F Pressurepsig Test Temp°F	
9.	Remarks	<del></del>
	(Applicable Manufacturer's Data Reports to be attached)	
	(Applicable Manufacturer 3 Data Fieborts 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 3/21/2008  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 1-2-3-24 to 3-26-24 and state that to the best of my 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.    Commissions NC1524, N-I   National Board, State, Province and Endorsements	

#### FORM NIS-2 OWNER'S REPO. FOR REPAIR / REPLACEMENT ACTIVITY

			As Required By	The Provisions Of The ASM	E Code Section XI		· ·	
1.	Owner Address:	Duke Power Company	· .				1a. Date <u>N</u>	May 5, 2008
		526 S. Church Street, Charlotte	e, NC 28201-1006				Sheet	1 of 1
2.	Plant Address:	McGuire Nuclear Station						
		12700 Hagers Ferry Road, Hur	ntersville, NC 28078	· ·				
2a.	Unit: □1	□3 □Shared (specify Units		)				
3.	Work Performed By Address:	/: <u>Duke Power Company</u> 526 S. Church Street, Charlo	otte NC 28201-1006		3a. W	ork Orde	r#: 1802766- Repair Organization	
	Type Code Symbol	Stamp: N/A Authorization No.	N/A Expiration Date: N	<u>I/A</u>	3b. N	SM or MM	1 #:N/A	
4.	(a) Identification of	f System: NV - Chemical and	Volume Control	4. (b) Class	of System:B			
5.	(a) Applicable Cor (b) Applicable Edit	nstruction Code: <u>ASME III</u> 19 <u>71</u> tion of Section XI Utilized for Re	Edition, <u>Summer and V</u> pair / Replacement Acti	<u>Vinter</u> Addenda, ivity: 1998, 2000 Addenc	N/A la_(1998 through 20	00 Adder	Code	Cases d CC and their supports
6.	Identification of Cor							
	Column 1	Column 2	Column 3	Column 4	Column 5	Col 6	Column 7	Column 8
	Name of Component	Name of Mfg	Mfg Serial No.	National Board No.	Other Identification	Year Built	Corrected, Removed, or Installed	ASME Code Stamped (yes or no)
Α	NV Piping	Duke Power	N/A	80	N/A	1982	☑ Repaired, □ Replaced,	□ No
В				<del>-</del>			☐ Replacement☐ Repaired,	☑ Yes ☐ No

L		Column 1	Column 2	Column 3	Column 4	Column 5	Col 6	Column 7	Column 8
		Name of Component	Name of Mfg	Mfg Serial No.	National Board No.	Other Identification	Year Built	Corrected, Removed, or Installed	ASME Code Stamped (yes or no)
- {	Α							☑ Repaired,	No
ļ		NV Piping	Duke Power	N/A	80	N/A	1982	☐ Replaced,	
L								□ Replacement	☑ Yes
- }	В							☐ Repaired,	□ No
				-			1	☐ Replaced,	
L								☐ Replacement	☐ Yes
	С			•	* ****			☐ Repaired,	□ No
ļ			•					☐ Replaced,	
L								☐ Replacement	☐ Yes
.	D		'					☐ Repaired,	□ No
Į						•		☐ Replaced,	Ì
L		·				·		☐ Replacement	☐ Yes
- {	Ε		•					☐ Repaired,	□No
								☐ Replaced,	
Ĺ								☐ Replacement	☐ Yes
	F	,						☐ Repaired,	□ No
								☐ Replaced,	
L								☐ Replacement	☐ 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 Repaired weld number 2RCHP-IN.

8.	Tests Conducted:Hydrostatic ☐ Pneumatic ☐ Nom. Operating Press. ☑ Other ☐ Exempt☐
	Pressure <u>2560</u> psig Test Temp. <u>94</u> °F  Pressure <u>psig</u> Test Temp. <u>°</u> F  Pressure psig Test Temp. °F
	Remarks <u>Functional performed on work order 1748696 – 07 per procedure</u> /0/A/7650/076.
	(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  Signed FL Grass Jr,QA Tech Specialist  Owner of 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 4-11-08 to 5-5-08; and state that to the best of my 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.    Verification   Veri

## FORM NIS-2 OWNER'S REPOI. .- OR REPAIR / REPLACEMENT ACTIVITY As Required By The Provisions Of The ASME Code Section XI

1.	Owner Address:		Power Company							pril 3, 2008
526 S. Church Street, Charlotte, NC 28201-1006 Sheet 1 of 1							_1 of _1			
2.	Plant Address:	McGu	ire Nuclear Station							
		12700	Hagers Ferry Road, Hui	ntersville. NC 28078						
22	Unit: □1 ☑2		☐Shared (specify Units		``				•	•
Za.	Offic. L.) Liz	110			/	:				
3.		y: <u>Dul</u>	ce Power Company				3a. W	ork Order	#: 1802942	
	Address:	<u>526</u>	S. Church Street, Charle	otte NC 28201-1006					Repair Organization	Job #
	Type Code Symbol	l Stamp	: N/A Authorization No.	N/A Expiration Date: N	<u>//A</u>		3b. N	SM or MM	l#: <u>N/A</u>	
1	(a) Identification of	of Systa	m: NV - Chemical and	Volume Central		4 (h) Class s	of Sustant D			
⊶.	(a) Identification C	n Syste	in. IVV - Chemical and	Volume Common		4. (b) Class C	of System: B	_		
5.	(a) Applicable Co	nstructi	on Code: <u>ASME III</u> 19 <u>71</u> Section XI Utilized for Re	Edition, Summer and \	Vinter A	ddenda,	N/A	·	Code	Cases
	(b) Applicable Edi	ition of	Section XI Utilized for Re	pair / Replacement Act	vity: <u>199</u>	98, 2000 Addend	a_(1998 through 20	00 Adden	da for Class MC and	d CC and their support
6.	Identification of Co	mpone	nts:	,						
	Column 1		Column 2	Column 3	T	Column 4	Column 5	Col 6	Column 7	Column 8
	Name of Component		Name of Mfg	Mfg Serial No.		tional Board No.	Other Identification	Year Built	Corrected, Removed, or	ASME Code Stamped
Ā					<del> </del>				Installed  Repaired,	(yes or no) ☑ No
	2MCR-NV-505	55	Duke Power	N/A		N/A	N/A	N/A	☐ Replaced,	
							· · ·		☑ Replacement	☐ Yes
В									☐ Repaired,	□ No
		l	•						☐ Replaced,	
			·	<u></u>	<u> </u>				☐ Replacement	☐ Yes
С		1							☐ Repaired,	□ No
					i			].	☐ Replaced,	
									☐ Replacement	☐ Yes
D		İ	•	Ĭ	1				□ Repaired,	□No
				· .					☐ Replaced,	
	<u> </u>				<del>-</del>			ļ	☐ Replacement	☐ Yes
E		1	i						☐ Repaired,	□No
		ļ							☐ Replaced,	
			<del></del>			·		ļ	☐ Replacement	☐ Yes
F					1				☐ Repaired,	□No
		-			1				☐ Replaced,	
	<u> </u>			<del></del>			<u> </u>	<u> </u>	☐ Replacement	☐ Yes

7.	Description of Work Replaced item numbers 3, 4, and 5.
8.	Tests Conducted:Hydrostatic ☐ Pneumatic ☐ Nom. Operating Press. ☐ Other ☐ Exempt⊠
	Pressurepsig Test Temp°F Pressurepsig Test Temp°F Pressurepsig Test Temp°F
9.	Remarks
	(Applicable Manufacturer's Data Reports to be attached)
	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  Signed FL Grass Jr,QA Tech Specialist Date 4/5 has 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 3-31-08 to 4-4-08; and state that to the best of my 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.    Commissions NC1524, N-I   National Board, State, Province and Endorsements

### FORM NIS-2 OWNER'S REPC 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 <u>March 24, 2008</u> Sheet <u>1</u> of <u>1</u>
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 Address:	y: <u>Duke Power Company</u> 526 S. Church Street, Charlotte NC 28201-1006  3a. Work Order #:	1803324 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 o	f System: NV – Chemical and Volume Control 4. (b) Class of System: A	
5.	(a) Applicable Cor (b) Applicable Edi	nstruction Code: <u>ASME III</u> 19 <u>71</u> Edition, <u>Summer and Winter</u> Addenda, <u>N/A</u> tion of Section XI Utilized for Repair / Replacement Activity: <u>1998, 2000 Addenda</u> (1998 through 2000 Addenda for	Code Cases or Class MC and CC and their supports)
6.	Identification of Co	mponents:	

	Column 1	Column 2	Column 3	Column 4	Column 5	Col 6	Column 7	Column 8
	Name of Component	Name of Mfg	Mfg Serial No.	National Board No.	Other Identification	Year Built	Corrected, Removed, or Installed	ASME Code Stamped (yes or no)
Α	2MCR-NV-4106 (A)	Duke Power	5002	N/A	N/A	N/A	<ul><li>☐ Repaired,</li><li>☑ Replaced,</li><li>☐ Replacement</li></ul>	☑ No ☐ Yes
В	2MCR-NV-4106 (A)	Duke Power	36739	N/A	N/A	N/A	☐ Repaired, ☐ Replaced, ☐ Replacement	☑ No ☐ Yes
С	2MCR-NV-4106 (B)	Duke Power	10972	N/A	N/A	N/A	<ul><li>☐ Repaired,</li><li>☑ Replaced,</li><li>☐ Replacement</li></ul>	☑ No □ Yes
D	2MCR-NV-4106 (B)	Duke Power	36738	N/A	N/A	N/A	☐ Repaired, ☐ Replaced, ☑ Replacement	☑ No □ Yes
E							☐ Repaired, ☐ Replaced, ☐ Replacement	□ No □ Yes
F							☐ Repaired, ☐ Replaced, ☐ Replacement	□ No □ Yes

7.	Description of Work Replaced snubbers.
8.	Tests Conducted:Hydrostatic ☐ Pneumatic ☐ Nom. Operating Press. ☐ Other ☐ Exempt☑
	Pressurepsig Test Temp°F
	Pressurepsig Test Temp°F Pressurepsig Test Temp°F
9.	Pressurepsig Test Temp°F Remarks
_	(Applicable Manufacturer's Data Reports to be attached)
	CERTIFICATE OF COMPLIANCE I certify that the statements made in the report are correct and this conforms to the requirements of the ASME Code, Section XI.
	Type Code Symbol Stamp N/A
	Certificate of Authorization No. N/A Expiration Date N/A
	Signed FL Grass Jr, QA Tech Specialist Date 3/05/2008 Owner of 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 3-(2-0) to 3-26-02; and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of ASME Code, Section XI.  By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection.    Overland   Section   National Board, State, Province and Endorsements

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

			· • · · · · · · · · · · · · · · · · · ·	,	
As	Required By	The Provis	sions Of The	ASME Cod	e Section XI

	·								
1.	Owner Address:	Duke Power Company						1a. Date <u>/</u>	April 1, 2008
		526 S. Church Street, Charlotte	NC 28201-1006					Sheet	1 of <u>1</u>
2.	Plant Address:	McGuire Nuclear Station	<del></del> \						
		12700 Hagers Ferry Road, Hur	tersville, NC 28078						•
2a.	Unit: □1 ☑2	□3 □Shared (specify Units		)					•
3.	Work Performed B Address:	By: <u>Duke Power Company</u> 526 S. Church Street, Charlo	tte NC 28201-1006	·		За.	Work Order # : _	1803674 Repair Organization	
	Type Code Symbo	ol Stamp: N/A Authorization No.	N/A Expiration Date: N/A			3b.	NSM or MM #:_	N/A	
4.	(a) Identification of	of System: <u>NC - Reactor Coola</u>	nt	4. (b)	Class of System:	_A_			•
5.	(a) Applicable Co (b) Applicable Edi	nstruction Code: <u>ASME III</u> 19 <u>71</u> ition of Section XI Utilized for Re	Edition, <u>Summer and Wir</u> pair / Replacement Activit	<u>nter</u> Addenda, y: <u>1998, 2000</u>	N/A Addenda (1998 th	irough	2000 Addenda fo		Cases d CC and their supports
6.	Identification of Co	omponents:	· ·						
	Column 1	Column 2	Column 3	Column	A Colu	mn 5	Cole	Column 7	Column 8

	Column 1	Column 2	Column 3	Column 4	Column 5	Col 6	Column 7	Column 8
	Name of Component	Name of Mfg	Mfg Serial No.	National Board No.	Other Identification	Year Built	Corrected, Removed, or Installed	ASME Code Stamped (yes or no)
Α	2MCR-NC-4272	Duke Power	3522	N/A	N/A	N/A	☐ Repaired, ☑ Replaced,	☑ No
						ļ	☐ Replacement	☐ Yes
В	2MCR-NC-4272	Duke Power	35716	N/A	N/A	N/A	☐ Repaired, ☐ Replaced, ☑ Replacement	☑ No □ Yes
С					·	·	☐ Repaired, ☐ Replaced, ☐ Replacement	□ No
D							☐ Repaired, ☐ Replaced, ☐ Replacement	□ No
E							☐ Repaired, ☐ Replaced,	□ No
F							☐ Replacement ☐ Repaired, ☐ Replaced, ☐ Replacement	☐ Yes☐ No☐ Yes☐

7.	Description of Work Replaced snubber and adapter plate.	
8.	Tests Conducted:Hydrostatic ☐ Pneumatic ☐ Nom. Operating Press. ☐ Other ☐ Exe	mpt⊠
	Pressurepsig Test Temp°F	
	Pressurepsig Test Temp°F	
9.	Pressurepsig Test Temp°F Remarks	
	(Applicable Manufacturer's Data Reports to be attached)	
	CERTIFICATE OF COMPLIANCE	!
	I certify that the statements made in the report are correct and this conforms to the requirements of the ASME Code, Section XI.	
	Type Code Symbol Stamp N/A	
	Certificate of Authorization No. N/A Expiration Date N/A	
	Signed FL Grass Jr, QA Tech Specialist Date 4/1/2008 Owner or Owner's Designee, Title	
	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 3-21-08 to 4-1-08; and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of ASME Code, Section XI.	
	By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection.	
	Inspector's Signature  Date 4-1-,2008  Commissions NC1524, N-I National Board, State, Province and Endorsements	

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

1.	Owner Address:	Duke Power Com	pany					1a. Date <u>A</u>	pril 7, 2008	
		526 S. Church Str	eet, Charlotte	e, NC 28201-1006				Sheet_	<u>1</u> of <u>1</u>	
2.	Plant Address:	McGuire Nuclear	Station		. :					
		12700 Hagers Fei	rry Road, Hui	ntersville, NC 28078						
2a.	Unit: □1	-			)					
		·			/					
3.	Work Performed By: Duke Power Company Address: 3a. Work Order # : 1804042  Repair Organization Job #									
	Type Code Symbol Stamp: N/A Authorization No. N/A Expiration Date: N/A 3b. NSM or MM #: N/A									
1	(a) Identification (	of System: NV - C	homical and	Volume Control	4 (b) Class	of System: R				
4.						-				
5	(a) Applicable Co	nstruction Code: AS	ME III 19 <u>71</u>	Edition, <u>Summer and W</u> pair / Replacement Activ	inter Addenda,	N/A		Code	Cases	
	(b) Applicable Ed	ition of Section XI U	Itilized for Re	pair / Replacement Activ	ity: <u>1998, 2000 Addend</u>	<u>la</u> (1998 through 20	000 Adden	da for Class MC and	d CC and their suppo	
6.	Identification of Co	emponents:			·	•				
	Column 1		mn 2	Column 3	Column 4	Column 5	Col 6	Column 7	Column 8	
	Name of Component	Name	of Mfg	Mfg Serial No.	National Board No.	Other Identification	Year Built	Corrected, Removed, or Installed	ASME Code Stamped (yes or no)	
Α								☐ Repaired,	☑ No	
	2MCA-NV-53	15 Duke	Power	945	N/A	N/A	N/A.	☑ Replaced,		
								☐ Replacement	□ Yes	
В			_					☐ Repaired,	☑ No	
	2MCA-NV-53	15 Duke	Power	30700002/004	N/A	N/A	N/A	☐ Replaced,	□ Vaa	
C	<del> </del>						<del> </del>	<ul><li>☑ Replacement</li><li>☐ Repaired,</li></ul>	☐ Yes	
C								☐ Replaced.		
								☐ Replacement	□Yes	
D	<u> </u>		·				<del> </del>	☐ Repaired.	□No	
		}			5			☐ Replaced.		
							l	☐ Replacement	□ Yes	
E								☐ Repaired,	□No	
					(	1		☐ Replaced,		
								☐ Replacement	☐ Yes	
F								☐ Repaired,	□No	
							1	☐ Replaced,		
							1	☐ Replacement	☐ Yes	

7.	Description of Work Replaced snubber.	
8.	Tests Conducted:Hydrostatic ☐ Pneumatic ☐ Nom. Operating Press. ☐ Other ☐ Exe	mpt☑
9.	Pressurepsig Test Temp°F Pressurepsig Test Temp°F Pressurepsig Test Temp°F Remarks	
	(Applicable Manufacturer's Data Reports to be attached)	
	CERTIFICATE OF COMPLIANCE  I certify that the statements made in the report are correct and this conforms to the requirements of the ASME Code, Section XI.  Type Code Symbol Stamp N/A  Certificate of Authorization No. N/A  Signed FL Grass Jr, QA Tech Specialist  Owner or Owner's Designee, Title	
. (	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 3-25-08 to 4-2-08; and state that to the best of my 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.    Owned	

### FORM NIS-2 OWNER'S REPO1. 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 <u>03/27/2008</u> Sheet 1 of 1
2.	Plant Address:	McGuire Nuclear Station 12700 Hagers Ferry Road, Hun					<u> </u>
2a.	Unit: □1 ⊠2	□3 □Shared (specify Units _		_)			
3.	Work Performed By Address:	y: <u>Duke Power Company</u> 526 S. Church Street, Charlot	te NC 28201-1006			3a. Work Order # :	00583573-07 Repair Organization Job #
	Type Code Symbol	Stamp: N/A Authorization No. 1	N/A Expiration Date: N/A			3b. NSM or MM #:_	N/A
4.	(a) Identification o	of System: RN Nuclear Service	Water	4. (b)	Class of System:	<u>C</u>	
5.		nstruction Code: <u>ASME III</u> 19 <u>71</u> E ition of Section XI Utilized for Rep				ugh 2000 Addenda	Code Cases for Class MC and CC and their supports)
6.	Identification of Co	mponents:					,
<u> </u>	Caluma	Caluma	Calvers	Oaluman	4 Calum	- F   Col C	Column 7 Column 9

	Column 1	Column 2	Column 3	Column 4	Column 5	Col 6	Column 7	Column 8
	Name of Component	Name of Mfg	Mfg Serial No.	National Board No.	Other Identification	Year Built	Corrected, Removed, or Installed	ASME Code Stamped (yes or no)
Α				• • • • • • • • • • • • • • • • • • • •			⊠Repaired,	□ No
	2RNPU0004	Bingham	B-2-988	88	(2B)RNPU	1973	☐ Replaced,	
							☐ Replacement	⊠Yes
В							☐ Repaired,	□ No
							☐ Replaced,	
	1				<u> </u>		☐ Replacement	☐ Yes
C							☐ Repaired,	□No
	1		·		ł		☐ Replaced,	
							☐ Replacement	☐ Yes
D							☐ Repaired,	□No
	}		mar in marin	(activity) is the		1	☐ Replaced,	
		1	A A A STATE OF THE STATE	121 ; ; ; ;	_		☐ Replacement	☐ Yes
Ē							☐ Repaired,	□No
_							☐ Replaced,	] .
			e e	•	,		☐ Replacement	☐ Yes
F							☐ Repaired,	□No
•							☐ Replaced,	
		1				1	☐ Replacement	☐ Yes

	Description of Work Weld Buildup on ID Of Top and Bottom Casing of 2RNPU000B)	<u>)4</u>
8.	Tests Conducted:Hydrostatic ☐ Pneumatic ☐ Nom. Operating Press. ☐ Other ☐Exe	mpt⊠
9.	Pressurepsig Test Temp°F Pressurepsig Test Temp°F Pressurepsig Test Temp°F Remarks	
	(Applicable Manufacturer's Data Reports to be attached)	
	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  Signed F.R. Sorrow, QA Tech Support Owner or Owner's Designee, Title  Date 03/27, 2008	psig Test Temp°F _psig Test Temp°F _psig Test Temp°F _psig Test Temp°F _psig Test Temp°F  psig Test Temp°F  psig Test Temp°F  psig Test Temp°F  ### Concept Compliance  ### Expiration Date N/A  ### A.QA Tech Support Date 03/27, 2008  ### Date 03/27, 2008  #### E OF INSERVICE INSPECTION  ### Date 03/27, 2008  ### Date 03/27,

#### FORM NIS-2 OWNER'S REPO!.. FOR REPAIR / REPLACEMENT ACTIVITY

			As Required By	The Provisions Of The ASM	E Code Section XI					
1.	Owner Address:	Duke Power Company					ر 1a. Date	June 28, 2007		
		526 S. Church Street, Charlotte	e, NC 28201-1006				Sheet_	<u>1</u> of <u>1</u>		
2.	Plant Address:	McGuire Nuclear Station								
		12700 Hagers Ferry Road, Hur	ntersville, NC 28078							
2a.	Unit: □1 🗹2	□3 □Shared (specify Units	<u> </u>	)						
3.		y: Duke Power Company			3a. W	ork Order	#: 1699256			
	Address:	526 S. Church Street, Charle	otte NC 28201-1006				Repair Organization	Job#		
	Type Code Symbol Stamp: N/A Authorization No. N/A Expiration Date: N/A 3b. NSM or MM #: MD200353									
4.	(a) Identification o	f System: RN - Nuclear Service	e Water	4. (b) Class	of System:C	<u>.</u>				
5.	(a) Applicable Cor (b) Applicable Edi	nstruction Code: <u>ASME III</u> 19 <u>71</u> tion of Section XI Utilized for Re	Edition, <u>Summer and V</u> pair / Replacement Acti	Vinter Addenda, vity: 1998, 2000 Addend	N/A la_(1998 through 20	00 Adden	Code da for Class MC and	Cases d CC and their supp	orts)	
6.	Identification of Co	mponents:			•					
	Column 1	Column 2	Column 3	Column 4	Column 5	Col 6	Column 7	Column 8		
_	Name of Component	Name of Mfg	Mfg Serial No.	National Board No.	Other Identification	Year Built	Corrected, Removed, or installed	ASME Code Stamped (yes or no)		
A.	RN Piping	Duke Power	N/A	60	N/A	1982	☐ Repaired, ☐ Replaced,	□ No ☑ Yes		
B.							☐ Replacement ☐ Repaired, ☐ Replaced,	□ No	ŀ	
			\ <u>.</u>		}		□ Replaced,	□Yes	I	

^	RN Piping	Duke Power	N/A	60	N/A	1982	☐ Replaced,	L 140
							☑ Replacement	☑ Yes
В						1	☐ Repaired,	□ No
1	[.	l			•	[	☐ Replaced,	
						<u> </u>	☐ Replacement	☐ Yes
ГО							□ Repaired,	□ No
					ł		☐ Replaced,	
1.	`						☐ Replacement	☐ Yes
							☐ Repaired,	□ No -
1					•		☐ Replaced,	
	ļ						☐ Replacement	☐ Yes
E	,						☐ Repaired,	□ No
							☐ Replaced,	
				·		l	☐ Replacement	☐ Yes
F		·. :					☐ Repaired,	□ No
		·					☐ Replaced,	
							☐ Replacement	☐ Yes

7.	Description of Work Additional piping added per MD200353.	—.·
	Tests Conducted:Hydrostatic ☐ Pneumatic ☐ Nom. Operating Press. ☑ Other ☐ Exercise ☐ Pressure ☐ 91 ☐ psig Test Temp. ☐ 65 ☐ °F ☐ Pressure ☐ psig Test Temp. ☐ °F ☐ Pressure ☐ Pressure ☐ psig Test Temp. ☐ °F ☐ Pressure ☐ P	empt□
	(Applicable Manufacturer's Data Reports to be attached)	
	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  Signed FL Grass Jr, QA Tech Specialist Owner or Owner's Designee, Title	
(	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 1/-8-06 to 7-10-07; and state that to the best of my 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.    NC1524, N-I   Inspector's Signature   National Board, State, Province and Endorsements   Date 7-10-07	

### FORM NIS-2 OWNER'S REPO... 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	,				_	03/21/2008 1 of 1
2.	Plant Address:	McGuire Nuclear Station				•			
		12700 Hagers Ferry Road, Hun	tersville, NC 28078						
2a.	Unit: □1 ⊠2	□3 □Shared (specify Units		)					
3.	Work Performed By Address:	/: <u>Duke Power Company</u> 526 S. Church Street, Charlo	tte NC 28201-1006				3a. Work Order	#: 01699326-01 Repair Organization	Job#
	Type Code Symbol	Stamp: N/A Authorization No.	N/A Expiration Date: N	<u>\/A</u>			3b. NSM or MM	#: <u>N/A</u>	
4.	(a) Identification of	f System: KC - COMPONENT (	COOLING		4.	(b)	Class of System:	<u>C</u>	
5.		nstruction Code: <u>ASME III</u> 19 <u>71</u> Bition of Section XI Utilized for Rep				N/A _(1998 thro	ugh 2000 Addend		le Cases d CC and their supports)
6.	Identification of Cor	mponents:	•				•.		-
	Column 1	Column 2	Column 3	Column	4	Columi	n 5   Col 6	Column 7	Column 8

	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	PIPING	Duke Energy	· N/A	- 78	2KC	1982	☐ Repaired, ☐ Replaced,	□No
	1111110	Dake Lifeigy	14/7	. 70	2110	1902	⊠Replacement	⊠Yes
В							<ul><li>□ Repaired,</li><li>□ Replaced,</li></ul>	□No
							☐ Replacement	□Yes
С							☐ Repaired, ☐ Replaced,	□No
							☐ Replacement	☐ Yes
D							☐ Repaired, ☐ Replaced,	□ No
						<u> </u>	Replacement	□ Yes
Ε							<ul><li>□ Repaired,</li><li>□ Replaced,</li></ul>	□ No
							☐ Replacement	☐ Yes
F							☐ Repaired, ☐ Replaced,	□No
							☐ Replacement	☐ Yes

7. <u>57</u>	Description of Work Replaced Studs and Nuts in flange joint 2KC4-FL2 at valve 2  A	<u>KC-</u>
8.	Tests Conducted:Hydrostatic ☐ Pneumatic ☐ Nom. Operating Press. ☐ Other ☐ Exer	mpt⊠
	Pressurepsig Test Temp°F Pressurepsig Test Temp°F Pressurepsig 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  Signed F.R. Sorrow, QA Tech Support  Owner or Owner's Designee, Title  Date 03/21/2008	
	CERTIFICATE OF 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 3-19-08 to 3-21-08; and state that to the best of my 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.  **Province and Endorsements Date 3-21-208**  **Date	

#### FORM NIS-2 OWNER'S REPO. . . FOR REPAIR / REPLACEMENT ACTIVITY

			As Required By	The Provisions Of The ASM	E Code Section XI			
1.	Owner Address:	Duke Power Company		·			1a. Date _I	<u> Varch 24, 2008</u>
		526 S. Church Street, Charlotte	, NC 28201-1006				Sheet _	<u>1</u> of <u>1</u>
2.	Plant Address:	McGuire Nuclear Station	<del></del>					
	•	12700 Hagers Ferry Road, Hun	tersville, NC 28078					
2a.	Unit: □1 Ø2	□3 □Shared (specify Units		)				
3.	Work Performed B Address:	y: <u>Duke Power Company</u> 526 S. Church Street, Charlo	tte NC 28201-1006		3a. W	ork Order	#: 1699327 Repair Organization	
	Type Code Symbo	Stamp: N/A Authorization No.	N/A Expiration Date: N	<u>I/A</u>	3b. N	SM or MM	#:N/A	
4.	(a) Identification of	of System: <u>KC – Component C</u>	ooling	4. (b) Class of	of System: C	<del></del>		
5.	(a) Applicable Co (b) Applicable Ed	nstruction Code: <u>ASME III</u> 19 <u>71</u> t tion of Section XI Utilized for Rep	Edition, <u>Summer and V</u> pair / Replacement Acti	<u>Vinter</u> Addenda, ivity: 1998, 2000 Addend	N/A a_(1998 through 20	000 Adden	Code da for Class MC and	Cases d CC and their suppo
6.	Identification of Co	mponents:		•				
	Column 1	Column 2	Column 3	Column 4	Column 5	Col 6	Column 7	Column 8
	Name of Component	Name of Mfg	Mfg Serial No.	National Board No.	Other Identification	Year Built	Corrected, Removed, or Installed	ASME Code Stamped (yes or no)
Α	KC Piping	Duke Power	N/A	78	N/A	1982	☐ Repaired, ☐ Replaced, ☑ Replacement	☐ No ☑ Yes
В						-	☐ Repaired,	□No
	]						☐ Replaced,	
C	<u> </u>		<u> </u>				☐ Replacement☐ Repaired,	☐ Yes
U							☐ Replaced,	2
							☐ Replacement	☐ Yes
D							☐ Repaired,	□No
		ŀ					☐ Replaced, ☐ Replacement	☐ Yes
E			<del>                                     </del>			<del> </del>	☐ Repaired,	□No
_							☐ Replaced,	
	<u> </u>						☐ Replacement	☐ Yes
F							☐ Repaired, ☐ Replaced,	□ No
							☐ Replaced,	☐ Yes
	<u> </u>				<del></del>		, =p	

7.	Description of Work Replaced bolting material in flange at valve 2KC82.	······
8.	Tests Conducted:Hydrostatic ☐ Pneumatic ☐ Nom. Operating Press. ☑ Other ☐ Exc	empt□
	Pressurepsig Test Temp°F	
	Pressurepsig Test Temp°F	
	Pressurepsig Test Temp°F	
9.	Remarks Visual functional performed per task 11 of work order.	
	(Applicable Manufacturer's Data Reports to be attached)	
	(Applicable Mandiacturer's Data Neports to be attached)	
	CERTIFICATE OF COMPLIANCE	7
	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 3/24/2008  Dwner or wher's Designee, Title	ŀ
	ewild of existing a Besignee, Title	
		-
	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 3-11-08 to 3-25-08, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of ASME Code, Section XI.  By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection.    Inspector's Signature	1

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

							the state of the s
1.	Owner Address:	<u>Duke Power Company</u>					1a. Date <u>May 8, 2008</u>
		526 S. Church Street, Charlotte, NC 28201-1006				·	Sheet <u>1</u> of <u>1</u>
2.	Plant Address:	McGuire Nuclear Station					
		12700 Hagers Ferry Road, Huntersville, NC 28078					
2a.	. Unit: □1 ☑2	□3 □Shared (specify Units	),				
3.	Work Performed B Address:	y: <u>Duke Power Company</u> 526 S. Church Street, Charlotte NC 28201-1006			· -	3a. Work Order #:	1763015-32 Repair Organization Job #
	Type Code Symbo	Stamp: N/A Authorization No. N/A Expiration Date: N/A				3b. NSM or MM #:	MD200464
4.	(a) Identification of	of System: RN - Nuclear Service Water	_ 4.	(b)	Class of System: _	<u>C</u>	•
5.		nstruction Code: <u>ASME III</u> 19 <u>71</u> Edition, <u>Summer and Winte</u> ition of Section XI Utilized for Repair / Replacement Activity:				ough 2000 Addenda fo	Code Cases r Class MC and CC and their supports)
6.	Identification of Co	emponents:					

	Column 1	Column 2	Column 3	Column 4	Column 5	Col 6	Column 7	Column 8
_	Name of Component	Name of Mfg	Mfg Serial No.	National Board No.	Other Identification	Year Built	Corrected, Removed, or Installed	ASME Code Stamped (yes or no)
Α	RN Piping	Duke Power	N/A	60	N/A	1982	<ul><li>□ Repaired,</li><li>□ Replaced,</li><li>☑ Replacement</li></ul>	□ No ☑ Yes
В	2RN-VA-408	Crane	D5479	N/A	N/A	2006	☐ Repaired, ☐ Replaced, ☑ Replacement	□ No ☑ Yes
С	2RN-VA-410	Crane	D5892	N/A	N/A	2006	☐ Repaired, ☐ Replaced, ☑ Replacement	□ No ☑ Yes
D	·						☐ Repaired, ☐ Replaced, ☐ Replacement	□ No □ Yes
Е					·		☐ Repaired, ☐ Replaced, ☐ Replacement	□ No
F							☐ Repaired, ☐ Replaced, ☐ Replacement	□ No □ Yes

7.	Description of Work Added valves 2RN VA 408 and 410 with piping per MD200464.	_
8.	Tests Conducted:Hydrostatic ☐ Pneumatic ☐ Nom. Operating Press. ☑ Other ☐ Exempt	]
9.	Pressure 71 psig Test Temp. 52.4 °F Pressure psig Test Temp. °F Pressure psig Test Temp. °F Remarks Functional performed per task 32 on procedure MP/0/A/7650/076.	_
	(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  Signed FL Grass Jr, QA Tech Specialist Owner or Owner's Designee, Title	•
	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 10-22-07 to 5-12-08 and state that to the best of my 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.    Province   Provin	

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

Pg. 1 of 2 CRANE Nuclear, Inc., 860 Remington Boulevard, Bolingbrook, IL 60440 Manufactured and certified (name and address of N Certificate Holder) Duke Energy Corporation, PO Box 1006, Charlotte, NC 28201-1015 (name and address of purchaser) Manufactured for 3. Location of installation McGuire Nuclear Station, 13225 Hagers Ferry Rd. HWY 73, Huntersville, NC 28078-8985 (name and address) N/A Model No., Series No., or Type 47-1/2UF-SPL Drawing CC03984 Rev. C CRN ASME Code, Section III, Division 1: 1998 N/A (Code Case no.) 6. Pump or valve Gate Valve Nominal inlet size **Outlet size** Material: **SA193 B8M** SA351 CF8M -SA351 CF8M Disk **SA351 CF8M** Bolting SA194 8M (a) valve Body Bonnet Bolting (b) pump Casting Cover (d) (a) (b) (c) (e) Cert. Nat'l Body/Casing **Bonnet/Cover** Disk Serial Holder's Serial Serial Board Serial No. No. No. No. No. D5478 ~ N/A D5408 ~ D5409 D5422 D5479 ~ D5410 D5419 D5405 N/A D5480 ~ N/A D5407 D5411 D5421

<sup>\*</sup> Supplemental information in the form of lists, sketches, or drawings may be used provided (1) size is 8 ½ x 11, (2) information in items 1 through 4 on this Data Report is included on each sheet. (3) each sheet is numbered and the number of sheets is recorded at the top of this form.

#### FORM NPV-1 (Back) --- Pg. 2 of 2

				tificate Holder's	-				
8 De	esign conditions	135 (pressure	psi	150 (lemperature)		alve pres	sure dass		· · · · · · · · · · · · · · · · · · ·
9. Co	old working pressure	275		psi at 100°F			•		
10. Hy	drostatic test	425	psi.	Disk differenti	al test press	ure	3(	0 <b>5</b>	psi
·		d P.E. first name	from Jam		•	-			
PO	No. DP20357, PO It								
_CN	II SO No. 28451-04	<del></del>			<del></del>		<del> </del>		
					~				
		•	CERTIFIC	ATION OF DES	IGN				
Docian Sr	pecifications certified t		sse M. Ha	ukine	P.E. State	NC	Reg. no.	2015	:a
		•		WALL			. <del>-</del>		
Design Re	eport certified by		N/A		P.E. State	N/A	Reg. no.	N/A	
		<del></del>			<del></del>				
	that the statements m ME Code, Section III, (		are correc	ct and that this p	ump or valve	e conform	ns to the rule	s for const	ruction
of the ASM		Division 1.	are correct N-289		ump or valve		ns to the rule		ruction
of the ASM	ME Code, Section III, (	Division 1.	N-289	9	Expires		•		ruction
of the ASM	ME Code, Section III, (	Division 1.	N-289	9 udear, Inc.	·	Septer	mber 24, 20		ruction
of the ASM	ME Code, Section III, (	Division 1.	N-289 CRANE NU	9 udear, Inc.	Expires	Septer	mber 24, 20	08 Dæt	ruction
of the ASM	ME Code, Section III, (	Division 1.	N-289 CRANE NU (N Certifica	9 udear, Inc.	Expires Signed	Septer	mber 24, 20	08 Dæt	ruction
of the ASM N Certifical Date	ME Code, Section III, (	Division 1.  Name C	N-289 CRANE NU (N Certifical	idear, Inc. te Holder) TE OF INSPECT	Expires Signed	Septer	mber 24, 20	08 DA Engineer	A-X
of the ASM  N Certifical  Date  the under state or Pro	ME Code, Section III. ( the of Authorization Note	Name CE d commission issu	N-289 CRANE Nu (N Certifical RRTIFICAT ued by the employed	ogear, Inc. lie Holder)  TE OF INSPECT National Board by	Signed Si	Septer  Septer  Pressur  HSB	mber 24, 200	08  OA Engineer  spectors ar	A-BC
of the ASM  N Certifical  Date  the under state or Profit	ME Code, Section III. ( Ille of Authorization No  08/09/06  rsigned, holding a vali ovince of thi Hartford, CT have	Name CE d commission issu	N-289 CRANE No. (N Certifical ERTIFICAT ued by the employed ump, or va	ogear, Inc. le Holder)  TE OF INSPECT National Board by live, described in	Expires Signed FION of Boller and	Septer  Septer  Pressur  HSB(  Report or	re Vessel In:	OA Engineer spectors aroust 09, 200	A-CL and the
of the ASM  N Certifical  Date  the under  State or Pro	ME Code, Section III. ( the of Authorization Note	Name CE d commission issued inspected the processor of th	N-289 CRANE No. (N Certifical ERTIFICAT ued by the employed ump, or va	ogear, Inc. le Holder)  TE OF INSPECT National Board by live, described in	Expires Signed FION of Boller and	Septer  Septer  Pressur  HSB(  Report or	re Vessel In:	OA Engineer spectors aroust 09, 200	A-CL and the
of the ASM  N Certifical  Date  the under  State or Pro	ME Code, Section III. (  Ile of Authorization No  08/09/06  rsigned, holding a vali ovince of Illi Hartford, CT have	Name CE d commission issued inspected the processor of th	N-289 CRANE No. (N Certifical ERTIFICAT ued by the employed ump, or va	ogear, Inc. le Holder)  TE OF INSPECT National Board by live, described in	Expires Signed FION of Boller and	Septer  Septer  Pressur  HSB(  Report or	re Vessel In:	OA Engineer spectors aroust 09, 200	A-CC
of the ASM  N Certifical  Date  the under  State or Pro  and state the  ith the ASM  y signing to	ME Code, Section III. (  the of Authorization No. 08/09/06  rsigned, holding a valiovince of IIII. Hartford, CT have that to the best of my the Code, Section III.  this certificate, neither	Name CE d commission issumble inspected the piknowledge and be Division 1.	N-289 CRANE NU (N Certifical RTIFICAT ued by the employed ump, or valief, the C	iclear, Inc. TE OF INSPECT National Board by Everythicate Holder	Signed (ION of Boller and has constru	Septer  Dressur  HSB0  Report or incled this	re Vessel Ins	DA Engineer  spectors are gust 09, 200 alve, in acconnecting to	nd the ordance
of the ASM  N Certifical  Date  the under  State or Pro  I H  and state the hith the ASM  y signing to omponent	ME Code, Section III. (  18 of Authorization No. 08/09/06  rsigned, holding a valiovince of IIII. Hartford, CT have that to the best of my the Code, Section III.	Name CE d commission issumble inspected the piknowledge and be Division 1. the inspector nor a Report. Furtherm	N-289 CRANE NU (N Certifical RTIFICAT ued by the employed ump, or valief, the C	iclear, Inc. TE OF INSPECT National Board by Every described in ertificate Holder	Signed (ION) of Boller and has constru	Septer  Septer  Description  De	re Vessel Insection Aug pump, or value or implied, coall be liable in	DA Engineer  spectors are gust 09, 200 alve, in acconnecting to	nd the ordance
of the ASM  N Certifical  Date  the under  State or Pro  and state the high the ASM  by signing to omponent	ME Code, Section III. ( the of Authorization Note	Name CE d commission issumble inspected the piknowledge and be Division 1. the inspector nor a Report. Furtherm	N-289 CRANE NU (N Certifical RTIFICAT ued by the employed ump, or valief, the C	iclear, Inc. TE OF INSPECT National Board by Every described in ertificate Holder	Signed (ION) of Boller and has constru	Septer  Septer  Description  De	re Vessel Insection Aug pump, or value or implied, coall be liable in	DA Engineer  spectors are gust 09, 200 alve, in acconnecting to	nd the ordance
of the ASM  N Certifical  Date  the under  State or Pro  of H  and state the title ASM  By signing the title to the proponent of the proponent	rsigned, holding a valiovince of tillitation, CT have that to the best of my ME Code, Section III, this certificate, neither described in this Data at injury or property data.	Name CE d commission issunds and re inspected the piknowledge and be Division 1. the inspector nor a Report. Furtherm	N-289 CRANE Nu (N Certifical (N Certifical CRTIFICAT) and by the employed tump, or valief, the Country (N Certifical CRTIFICAT) this employed tump, or valief, the Country (N Certifical CRTIFICAT)	iclear, Inc. lie Holder)  TE OF INSPECT  National Board by live, described in ertificate Holder  yer makes any was the inspector ising from or con	Signed (ION) of Boller and has constru	Septer  Septer  A Pressur  HSB( Report or  acted this  pressed to  player sha  this insp	re Vessel Insort Aug pump, or valor implied, coall be liable iection.	DA Engineer  spectors are gust 09, 200 alve, in acconnecting to	nd the ordance
of the ASM  N Certifical  Date  the under  State or Pro  of H  and state the title ASM  By signing the title to the proponent of the proponent	ME Code, Section III. ( the of Authorization Note	Name CE d commission issunds and re inspected the piknowledge and be Division 1. the inspector nor a Report. Furtherm	N-289 CRANE NU (N Certifical CRATIFICATION CONTINUED TO VALUE OF THE C	iclear, Inc. TE OF INSPECT National Board by Every described in ertificate Holder	Signed  FION  of Boller and  this Data I  has constru	Septer  Septer  Description  De	re Vessel Insection Aug pump, or value or implied, coall be liable in	DA Engineer spectors are pust 09, 200 alve, in accommon any man	nd the

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

Pg. 1 of 2

by	<del></del>		toress of N Certificate Holder)	
		(using and an	toless of the Certificate Etrider)	
<ol><li>Manufactured for</li></ol>	Duke Energy Corporation	, PO Box 1006, Charlo	ite, NC 28201-1015	
		bue sueu)	address of purchaser)	
3. Location of installation	McGuire Nuclear Sta	tion, 13225 Hagers Fer	ry Rd. HWY 73, Huntersville.	NC 28078-8985
			ame and address)	
4. Model No., Series No.,	or Tuno 47 1701E 6	SPL Drav	ing CC04072 Re	v. B CRN N/A
4. Model No., denes No.,	or Type 47-1/2UF-S	DIA"	ing <u>CC04072</u> Re	v. <u>B</u> CRN <u>N/A</u>
			/	
5. ASME Code, Section I	II, Division 1: 1998		✓ 2000 3 (addenda (class	N/A (Code Case no.)
	(80300)	,	dale)	5) (COUP C438 IN.)
	/			
6 Pump or valve	Gate Valve	Nominal inlet size	te <u>6</u> Outlet s	Z8 <u>6</u>
			()	,
7. Malerial:				
, in the second			_	✓SA193 B7
(a) valve Body	SA216 WCB Bonne	SA216 WCB	Disk SA351 CF8M	Bolting · SA194 2H
(4) (4)	Bomie		Diak V	boung
(b) pump Casting	Cover		Bolting	
(a)	(b)	(c)	(d)	. (e)
Cert.	rien	Body/Casing	Bonnet/Cover	Disk
Holder's	Board	Serial	Serial	Serial
Serial No.	No.	No.	No.	No.
D5892	N/A	D5896	D5908	D5916
D5893	N/A	D5897	✓D5909	
✓ D5894	N/A	D5898	D5910	05918 05919
	N/A	<u>D5899</u>	<u></u>	100919
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Supplemental information in the form of lists, sketches, or drawings may be used provided (1) size is 8 ½ x 11. (2) information in items 1 through 4 on this Data Report is included on each sheet. (3) each sheet is numbered and the number of sheets is recorded at the top of this form.

	FORM NPV-1	(=,		/		
	Certificate Hole	der's Senal No.	_/	D5892 throu	gh D5895	•
· · · · · · · · · · · · · · · · · · ·	135 psi 95		lve pres	sure dass _	·	(1)
Cold working pressure	285 psi at 100	)*F		•		
0. Hydrostatic test	450 psi. Disk diffe	erential test pressi	116 <u>.</u>	<b>√</b> 315	i	psi
1. Remarks: PO No. 00001637, PO Item 0	007 Duke liem No. 1MV-565					
CNI SO No. 29401-01						
Bolling: Studs Ht. # 230113/N	uts Ht. # 887035					
	CERTIFICATION OF	DESIGN	<u></u>			_
						1
esign Specifications certified by	Jesse M. Hawkins	P.E. State	NC	Reg. no.	20159	_
esign Report certified by	N/A	P.E. State	N/A	Reg. no.	N/A	_
e certify that the statements made i the ASME Code, Section III, Divisio	CERTIFICATE OF COM on this report are correct and that to on 1.		conform	is to the rules	for construction	on
the ASME Code. Section III. Division Certificate of Authorization No.	n this report are correct and that ton 1.  N-2899	this pump or valve		ns to the rules		on
the ASME Code. Section III. Division Certificate of Authorization No.	n this report are correct and that ton 1.	this pump or valve		mber 24, 2008		on
the ASME Code. Section III. Division Certificate of Authorization No.	N-2899  CRANE Nuclear, Inc. (N Cariffcate Holder)	this pump or valveExpiresSigned	Septer	mber 24, 2008		on
the ASME Code. Section III, Division Certificate of Authorization No.	n this report are correct and that ton 1.  N-2899  THE CRANE Nuclear, Inc. (N Certificate Holder)  CERTIFICATE OF INSI	Expires Signed PECTION	Septen	Nurowski p.E.	Sr. QA Engineer	_
the ASME Code. Section III, Division Certificate of Authorization No.  The 12/27/06 Nation No. Nation Nation No. Nation Nation Nation No. Nation	n this report are correct and that ton 1.  N-2899  THE CRANE Nuclear, Inc. (N Certificate Holder)  CERTIFICATE OF INSI	Expires Signed PECTION	Septer Jerore X	Kurowski pr E.	Sr. QA Engineer	
the ASME Code. Section III, Division Certificate of Authorization No.  The 12/27/06 Na natural	n this report are correct and that ton 1.  N-2899  THE CRANE Nuclear, Inc. (N Certificate Holder)  CERTIFICATE OF INSI	Expires Signed PECTION Board of Boiler and	Septer Jerore X	Kurowski E.	Sr. QA Engineer	
the ASME Code. Section III, Division Certificate of Authorization No.  The 12/27/06 Na natural	The CRANE Nuclear, Inc. (N Certificate Holder)  CERTIFICATE OF INSI nmission issued by the National B and employed by pected the pump, or valve, descri-	Expires Signed PECTION Board of Boiler and	Septem Jeorie X Pressu HSB Report o	Kurowski E.  re Vessel Insp	S. QA Engineer Dectors and th	e -
the ASME Code. Section III. Division  Certificate of Authorization No.  The 12/27/06 Na  The undersigned, holding a valid control of Province of Illinois  Hartford, CT have inside that to the best of my known	This report are correct and that ton 1.  N-2899  THE CRANE Nuclear, Inc. (N Careticate Holder)  CERTIFICATE OF INSI numission issued by the National B and employed by pected the pump, or valve, descri-	Expires Signed PECTION Board of Boiler and bloder has construit	Septen Jerone A Pressu HSB Report of	re Vessel Insport	sr. QA Engineer  pectors and the open 27, 2006  we, in accorda	e
certificate of Authorization No.  The 12/27/06 Na  The 12/27/06 Na  The 12/27/06 Na  The 12/27/06 Na  The or Province of Illinois  Hartford, CT have inside that to the best of my known in the ASME Code, Section III, Divisional Section of the Code of the code	This report are correct and that ton 1.  N-2899  THE CRANE Nuclear, Inc. (N Certificate Hoder)  CERTIFICATE OF INSI nmission issued by the National B and employed by pected the pump, or valve, descri- ledge and belief, the Certificate H tion 1.  Inspector nor his employer makes out. Furthermore, neither the insp	Expires  Signed  PECTION  Board of Boiler and libed in this Data folder has construited any warranty, expector nor his emp	Septen Jerore A  Jerore A  Report of cted this oressed aloyer sh	Kurowski p.E.  re Vessel Insport n Decerr pump, or value or implied, coall be liable in	Sr. QA Engineer  Dectors and the liber 27, 2006 are, in accordance in ac	e - nce
the ASME Code. Section III. Division Certificate of Authorization No.  The 12/27/06 Na  The 12/27/06 Na  The undersigned, holding a valid contact or Province of Illinois Hartford, CT have instant to the best of my known in the ASME Code, Section III. Divisions	This report are correct and that ton 1.  N-2899  THE CRANE Nuclear, Inc. (N Certificate Hoder)  CERTIFICATE OF INSI nmission issued by the National B and employed by pected the pump, or valve, descri- ledge and belief, the Certificate H tion 1.  Inspector nor his employer makes out. Furthermore, neither the insp	Expires  Signed  PECTION  Board of Boiler and libed in this Data folder has construited any warranty, expector nor his emp	Septen Jerore A  Jerore A  Report of cted this oressed aloyer sh	Kurowski p.E.  re Vessel Insport n Decerr pump, or value or implied, coall be liable in	Sr. QA Engineer  Dectors and the liber 27, 2006 are, in accordance in ac	e nce
the ASME Code. Section III, Division Certificate of Authorization No.  The 12/27/06 Na   The 12/27/06	The CRANE Nuclear, Inc.  (N Certificate Holder)  CERTIFICATE OF INSI nmission issued by the National B and employed by pected the pump, or valve, descri- ledge and belief, the Certificate H identition 1.	Expires  Signed  PECTION  Board of Boiler and bolder has constructed any warranty, expector nor his empor connected with	Septen Jerore A  Jerore A  Report of cted this oressed aloyer sh	Kurowski pre.  re Vessel Insp.  CT  pump, or value  or implied, co. all be liable in section.	Sr. QA Engineer  Dectors and the liber 27, 2006 are, in accordance in ac	e - nce
the ASME Code. Section III. Division Certificate of Authorization No.  The 12/27/06 Na  The 12/27/06 Na  The undersigned, holding a valid contained or Province of Illinois Hartford, CT have inside that to the best of my known in the ASME Code. Section III. Divisions of the ASME Code	This report are correct and that ton 1.  N-2899  THE CRANE Nuclear, Inc. (N Certificate Hoder)  CERTIFICATE OF INSI nmission issued by the National B and employed by pected the pump, or valve, descri- ledge and belief, the Certificate H tion 1.  Inspector nor his employer makes out. Furthermore, neither the insp	Expires  Signed  PECTION  Board of Boiler and libed in this Data folder has construct any warranty, expector nor his empor connected with	Pressu HSB Report of cted this pressed pressed pressed this insp	Kurowski p.E.  re Vessel Insport n Decerr pump, or value or implied, coall be liable in	sr. QA Engineer  pectors and the open state of the state	e - nce

(1) For manually operated valves only.

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### FORM NIS-2 OWNER'S REPOR . COR REPAIR / REPLACEMENT ACTIVITY As Required By The Provisions Of The ASME Code Section XI

				7.6qu	THE THE PROPERTY OF THE					
1.	Owner Address:	Duke Power Comp	any			•			1a. Date <u>[</u>	December 4, 2007
		526 S. Church Stre	et, Charlotte,	NC 28201-1006	•				Sheet _	<u>1</u> of <u>1</u>
2.	Plant Address:	McGuire Nuclear S	tation							
		12700 Hagers Ferr	v Road. Hunt	tersville. NC 28078	•					
22	Unit: □1				<b>\</b>	-				
La.	Olini. El El	ПО Попагеа (S	beeny offics _		/					
3.		y: Duke Power Cor		u - NO 00004 4000			3a. W	ork Orde	r#: <u>1730869</u> -	
	Address:	526 S. Church S	treet, Unariot	te NC 28201-1006					Repair Organization	Job #
	Type Code Symbo	Stamp: N/A Author	ization No. <u>N</u>	N/A Expiration Date: N	<u>√A</u>		3b. N	SM or MM	1#:MD20046	64
4.	(a) Identification of	of System: RN - Nuc	clear Service	Water	4. (b)	Class of System	: <u>C</u>			
5.	(a) Applicable Cor (b) Applicable Edi	nstruction Code: <u>ASI</u> tion of Section XI Ut	ME III 19 <u>71</u> E ilized for Rep	dition, <u>Summer and Vair / Replacement Act</u>	<u> Winter</u> Addenda,	<u>N/A</u> ddenda_(1998	through 20	000 Adder		Cases I CC and their supp
6.	Identification of Co	mponents:								
	Column 1	Colun	nn 2	Column 3	Column 4	Co	lumn 5	Col 6	Column 7	Column 8
	Name of Component	Name o	of Mfg	Mfg Serial No.	National Board	lo. Other I	dentification	Year Built	Corrected, Removed, or Installed	ASME Code Stamped (yes or no)
Α								<b> </b>	☐ Repaired,	☑ No
	2MCA-RN-340	)4 Duke F	Power	N/A	N/A	1	1/A	N/A	☐ Replaced,	
								ļ	☑ Replacement	☐ Yes ☐ No
В									☐ Repaired, ☐ Replaced,	
									☐ Replacement	☐ Yes
C			<del></del>						☐ Repaired,	□No
									☐ Replaced,	·
				·		·			☐ Replacement	☐ Yes
D									☐ Repaired,	□ No
									☐ Replaced, ☐ Replacement	□Yes
E							<del>,,</del>	<del>                                     </del>	☐ Repaired,	□ No
_									☐ Replaced,	
						1		1	☐ Replacement	☐ Yes

□ No

☐ Yes

☐ Repaired,
☐ Replaced,
☐ Replacement

7.	Description of Work New installed hanger per MOD # MD200464.	•
8.	Tests Conducted:Hydrostatic ☐ Pneumatic ☐ Nom. Operating Press. ☐ Other ☐ Exc	empt⊠
	Pressurepsig Test Temp°F	
	Pressurepsig Test Temp°F	
	Pressurepsig Test Temp°F	
9.	Remarks	
	(Applicable Manufacturer's Data Reports to be attached)	<del></del>
		,
	CERTIFICATE OF COMPLIANCE I certify that the statements made in the report are correct and this conforms to the requirements of the ASME Code, Section XI.	
	Type Code Symbol Stamp <u>N/A</u> Certificate of Authorization No. <u>N/A</u> Expiration Date <u>N/A</u>	
	<u> </u>	
	Signed FL Grass Jr,QA Tech Specialist Date 13/4/2007 Owner's Designee, Title	
		<b>⁴</b> . -
	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 III of 12 5 07; and state that to the best of my 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, peither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection.    Commissions NC1524, N-I	

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

As Required By The Provisions Of The ASME Code Section :	f The ASME Code Se	ction XI
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			7 to Heddined By	The Provisions Of The ASM	E Code George A			
1.	Owner Address:	Duke Power Company					1a. Date_	December 5, 2007
		526 S. Church Street, Charlotte	e, NC 28201-1006				Sheet	<u>1</u> of <u>1</u>
2.	Plant Address:	McGuire Nuclear Station						
		12700 Hagers Ferry Road, Hui	ntersville NC 28078					
20	Unit: □1 Ø2	•						
Za.	Offic. C. I. M. 2	□3 □Shared (specify Units		)				
3.		y: <u>Duke Power Company</u>			3a. W	ork Order	#: <u>1730869</u>	-40
	Address:	526 S. Church Street, Charle	otte NC 28201-1006				Repair Organization	Job #
	Type Code Symbo	Stamp: N/A Authorization No.	N/A Expiration Date: N	<u>I/A</u>	3b. N	SM or MM	1#: <u>MD2004</u> 6	54
4.	(a) Identification of	of System: RN - Nuclear Service	e Water	4. (b) Class of	of System: <u>C</u>			
5.	(a) Applicable Co (b) Applicable Edi	nstruction Code: <u>ASME III</u> 19 <u>71</u> tion of Section XI Utilized for Re	Edition, <u>Summer and V</u> pair / Replacement Acti	<u>Vinter</u> Addenda, ivity: 1998, 2000 Addend	N/A la (1998 through 20	00 Adden	Code	Cases d CC and their suppor
6.	Identification of Co		•		_,			
	Column 1	Column 2	Column 3	Column 4	Column 5	Col 6	Column 7	Column 8
	Name of Component	Name of Mfg	Mfg Serial No.	National Board No.	Other Identification	Year Built	Corrected, Removed, or Installed	ASME Code Stamped (yes or no)
A							☐ Repaired,	☑ No
	2MCA-RN-340	Duke Power	N/A	N/A	N/A	N/A	☐ Replaced,	
							☑ Replacement	☐ Yes
В					•		<ul><li>□ Repaired,</li><li>□ Replaced,</li></ul>	□No
					۲.		☐ Replaced,	□Yes
С					· · · · · · · · · · · · · · · · · · ·	1	☐ Repaired,	□No
•							☐ Replaced,	
					·		☐ Replacement	☐ Yes
D							☐ Repaired,	□ No
							☐ Replaced,	
_				<del> </del>	<u> </u>		Replacement	☐ Yes
Ε							☐ Repaired, ☐ Replaced,	I INO
					•		☐ Replacement	□Yes
F			<del> </del>			<b>†</b>	☐ Repaired,	□No
•							☐ Replaced,	·
					İ	<u> </u>	☐ Replacement	☐ Yes

7.	Description of Work New installed hanger per MOD # MD200464.
8.	Tests Conducted:Hydrostatic ☐ Pneumatic ☐ Nom. Operating Press. ☐ Other ☐ Exempt⊠
	Pressurepsig Test Temp°F
	Pressurepsig Test Temp°F
	Pressurepsig 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 <u>N/A</u> Certificate of Authorization No. <u>N/A</u> Expiration Date <u>N/A</u>
	Signed FL Grass Jr,QA Tech Specialist Date 12/5/2007 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 <u>North Carolina</u> and employed by <u>HSB CT</u> have inspected the components described in this Owner's Report during the period
	11/27/07 to 12/5/07; and state that to the best of my 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.
	exome Lowan Jerome F Swan Commissions NC1524, N-I
	Inspector's Signature National Board, State, Province and Endorsements
(	Date 12/5/07

# FORM NIS-2 OWNER'S REPOI .- 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				-	December 5, 2007		
2.	Plant Address:	McGuire Nuclear Station		: :						
		12700 Hagers Ferry Road, Hun	tersville, NC 28078							
2a.	Unit: □1 🖾2	□3 □Shared (specify Units		)						
3.	Work Performed By Address:	/: <u>Duke Power Company</u> 526 S. Church Street, Charlo	tte NC 28201-1006		3a. W	ork Orde	# : 1730869- Repair Organization			
	Type Code Symbol	Stamp: N/A Authorization No. 1	N/A Expiration Date:	<u>N/A</u>	3b. N	SM or MM	1#: <u>MD20046</u>	34		
4.	(a) Identification o	f System: RN - Nuclear Service	Water	4. (b) Class	s of System:C					
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 Co	mponents:								
	Column 1	Column 2	Column 3	Column 4	Column 5	Col 6	Column 7	Column 8		
	Name of Component	Name of Mfg	Mfg Serial No.	National Board No.	Other Identification	Year Built		ASME Code Stamped (yes or no)		
Ā	2MCA-RN-340	Duke Power	N/A	N/A	N/A	N/A	☐ Repaired, ☐ Replaced, ☑ Replacement	☑ No □ Yes		
В			<del> </del>			<del> </del>	☐ Repaired.	□No		
		Ĭ	}				☐ Replaced,			
			<u> </u>			ļ	☐ Replacement	□ Yes		
С		1					☐ Repaired,	□No		
						1	☐ Replaced, ☐ Replacement	□ Yes		
D						<u> </u>	☐ Repaired,	□ No		
_							☐ Replaced,			
							☐ Replacement	☐ Yes		
E							☐ Repaired,	□No		
							☐ Replaced,			
	<u> </u>		1			]	☐ Replacement	☐ Yes		

□ No

☐ Yes

☐ Repaired,
☐ Replaced,
☐ Replacement

7.	Description of Work New installed hanger per MOD # MD200464.	
8.	Tests Conducted:Hydrostatic ☐ Pneumatic ☐ Nom. Operating Press. ☐ Other ☐ Exe	empt[
	Pressurepsig Test Temp°F Pressurepsig Test Temp°F Pressurepsig Test Temp°F	
9.	Remarks	
		<u></u>
	(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  Signed FL Grass Jr,QA Tech Specialist  Owner or Owner's Designee, Title	
	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 II/27/07 to/2/5/07; and state that to the best of my 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.	

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

1.	Owner Address:	Duke Power Company						December 4, 2007	
		526 S. Church Street, Charlotte	NC 28201-1006				Sheet_	of	
2.	Plant Address:	McGuire Nuclear Station							
		12700 Hagers Ferry Road, Hun	tersville, NC 28078						
2a	Unit: □1 🗹2	□3 □Shared (specify Units		j.					
	31m. G1 G2	Le Lemanes (opeon) emie	· · · · · · · · · · · · · · · · · · ·	<del></del> / -					
3.	Work Performed B Address:	y: <u>Duke Power Company</u> 526 S. Church Street, Charlo	tte NC 28201-1006		3a. W	ork Order	#: 1730869- Repair Organization		
				t.					
	Type Code Symbo	Stamp: N/A Authorization No.	<u>N/A</u> Expiration Date: <u>N</u>	<u>/A</u>	3b. N	SM or MM	I#: MD20046	54	
4.	(a) Identification of	f System: RN - Nuclear Service	Water	4. (b) Class (	of System: C				
5.	(a) Applicable Co	nstruction Code: ASME III 1971 I	Edition Summer and W	linter Addenda	N/A		Code	Cases	
J.	(b) Applicable Edi	nstruction Code: <u>ASME III</u> 19 <u>71</u> I tion of Section XI Utilized for Rep	pair / Replacement Activ	vity: 1998, 2000 Addend	la (1998 through 20	00 Adden	da for Class MC and	d CC and their supports	
6.									
	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							☐ Repaired,	☑ No	
	2MCA-RN-340	Duke Power	N/A	N/A	N/A	N/A	□ Replaced,		
_			<u> </u>		<u> </u>	<u> </u>	☑ Replacement	☐ Yes	
В							☐ Repaired,	□ No	
							☐ Replaced,		
			<u> </u>				☐ Replacement	☐ Yes	
С		Į.					☐ Repaired,	□No	
							☐ Replaced,		
				<u> </u>	<u> </u>	<del> </del>	☐ Replacement	□ Yes	
D				•	1		☐ Repaired,	□No	
						1	☐ Replaced,	□ Yes	
<u> </u>	<u> </u>		<del> </del>			<del> </del>	☐ Replacement	□ No	
Ε					}		☐ Repaired,	1 110	
							☐ Replaced, ☐ Replacement	□ Yes	
<u> </u>	ļ					+	☐ Replacement	□ No	
F							☐ Replaced,		
1			1				☐ Replacement	□ Yes	
	l			<u> </u>	<u> </u>	<u></u>	L Deplacement	L 163	

7.	Description of Work New installed hanger per MOD # MD200464.	
8.	Tests Conducted:Hydrostatic ☐ Pneumatic ☐ Nom. Operating Press. ☐ Other ☐ Exempt®	<b>7</b>
9.	Pressurepsig Test Temp°F Pressurepsig Test Temp°F Pressurepsig Test Temp°F Remarks	
		_ _ _
	(Applicable Manufacturer's Data Reports to be attached)	_
	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  Signed  FL Grass Jr, QA Tech Specialist Owner or Swner's Designee, Title	
	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 III 27/07 to 12/5/07; and state that to the best of my 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.    Province and Endorsements   National Board, State, Province and Endorsements	

#### FORM

M NIS-2 OWNER'S REPOROR REPAIR / REPLACEMENT	ACTIVITY
As Required By The Provisions Of The ASME Code Section XI	•

1.	Owner Address:	Duke Pow	er Company			•		1a. Date _	January 2, 2008
		526 S. Ch	urch Street, Charlotte	, NC 28201-1006				Sheet	1 of 1
2.	Plant Address:	McGuire N	luclear Station						
		12700 Had	gers Ferry Road, Hur	tersville, NC 28078					
2a.	Unit: □1 ☑2	□3 □S	hared (specify Units		)				
		-			<del></del> /				
3.	Work Performed By Address:		ower Company Church Street, Charlo			3a. W	ork Orde	r#: <u>1730869</u>	
	Add1655.	<u>520 5. (</u>	ondich Street, Chanc	nte NC 20201-1000	•	٠.		Repair Organization	Job #
	Type Code Symbol	Stamp: <u>N/</u>	A Authorization No.	N/A Expiration Date: N/	<u>/A</u>	3b. N	SM or MM	1#: MD20046	64
4.	(a) Identification o	of System:	RN - Nuclear Service	Water	4. (b) Class	of System:C	;	•	
٠	(a) Applicable Cor	notruction C	Codo: ASME III 1071 I	Edition Cummer and M		•		0 - 4 -	0
Э.	(b) Applicable Edit	tion of Sect	ion XI Utilized for Re	pair / Replacement Activ	<u>/inter</u> Addenda, vity: <u>1998, 2000 Addend</u>	N/A 1a (1998 through 20	00 Adder	Code	Cases d CC and their supp
				,					
6.	Identification of Col	mponents:	•	•					
	Column 1		Column 2	Column 3	Column 4	. Column 5	Col 6	Column 7	Column 8
	Name of Component		Name of Mfg	Mfg Serial No.	National Board No.	Other Identification	Year Built	Corrected, Removed, or Installed	ASME Code Stamped (yes or no)
A								☐ Repaired,	☑ No
	2MCA-RN-340	)8	Duke Power	N/A	N/A	N/A	N/A	☐ Replaced,	<b></b>
В					ļ			☑ Replacement	☐ Yes ☐ No
D							ļ	☐ Repaired, ☐ Replaced,	LI NO
						•		☐ Replacement	□Yes
С								☐ Repaired,	□No
					•			☐ Replaced,	
				.,,				☐ Replacement	□ Yes
D								☐ Repaired,	□No
				-			1	☐ Replaced,	·
								☐ Replacement	☐ Yes
E			*					☐ Repaired,	□No
_						ļ	1	☐ Replaced,	
_					1	1	ł		1
								☐ Replacement	□ Yes
F								☐ Replacement☐ Repaired,	☐ Yes
			· · · · · · · · · · · · · · · · · · ·					☐ Replacement	

7.	Description of Work New installed hanger per MOD # MD200464.	
8.	Tests Conducted:Hydrostatic ☐ Pneumatic ☐ Nom. Operating Press. ☐ Other ☐ Exe	empt⊠
	Pressurepsig Test Temp°F	
	Pressurepsig Test Temp°F	
	Pressurepsig Test Temp°F	
9.	Remarks	
	(Applicable Manufacturer's Data Reports to be attached)	
	(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 <u>N/A</u> Certificate of Authorization No. <u>N/A</u> Expiration Date <u>N/A</u>	
	Signed FL Grass Jr, QA Tech Specialist Date 1/2/2008 Owner or owner's Designee, Title	
		) ]
(	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 Parameter of the Carolina 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.    Value   Section   National Board, State, Province and Endorsements   National Board, State, Province and Endorse	
`	Date // d/, dCO	

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

	<del></del>	والمراجع والمراجع والمراجع والمراجع والمراجع والمراجع والمراجع والمراجع والمراجع والمراجع والمراجع والمراجع والمراجع	As Required By I	ne Provisions Of The ASM	E Code Section XI			
1.	Owner Address:	Duke Power Company		•			1a. Date _[	December 4, 2007
		526 S. Church Street, Charlotte	e, NC 28201-1006				Sheet _	_1 of _1
2.	Plant Address:	McGuire Nuclear Station						
		12700 Hagers Ferry Road, Hur	ntersville, NC 28078					•
2a.	Unit: □1 ☑2	□3 □Shared (specify Units		)				
3.	Work Performed By: Duke Power Company Address: Duke Power Company Sepair Organization Job #  Sepair Organization Job #							
	Type Code Symbol Stamp: N/A Authorization No. N/A Expiration Date: N/A 3b. NSM or MM #: MD200464							
4.	(a) Identification o	System: RN - Nuclear Service	e Water	4. (b) Class	of System:C			
5.	(a) Applicable Cor (b) Applicable Edi	nstruction Code: <u>ASME III</u> 19 <u>71</u> tion of Section XI Utilized for Re	Edition, <u>Summer and W</u> pair / Replacement Activ	inter Addenda, rity: 1998, 2000 Addend	N/A da (1998 through 20	00 Adden	Code da for Class MC and	Cases d CC and their suppor
6.	Identification of Co	mponents:						
	Column 1	Column 2	Column 3	Column 4	Column 5	Col 6	Column 7	Column 8
	Name of Component	Name of Mfg	Mfg Serial No.	National Board No.	Other Identification	Year Built	Corrected, Removed, or Installed	ASME Code Stamped (yes or no)
Α	2MCA-RN-340	9 Duke Power	N/A	N/A	N/A	N/A	☐ Repaired, ☐ Replaced,	☑ No
В							☐ Replacement ☐ Repaired, ☐ Replaced,	□ Yes □ No

	Ociditiii	Columnit	Column	I Ooium 4	Coldinity	0010	Ooiumin /	Columnia
	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							☐ Repaired,	☑ No
	2MCA-RN-3409	Duke Power	N/A	N/A	N/A	N/A	☐ Replaced,	
						<u> </u>	☑ Replacement	☐ Yes
В							☐ Repaired,	□No
							☐ Replaced,	,
						<u> </u>	☐ Replacement	☐ Yes
C							☐ Repaired,	□No
	]			,		1	☐ Replaced,	
							☐ Replacement	☐ Yes
D							☐ Repaired,	□No
						]	☐ Replaced,	
	ļ i		\		·	Ì	☐ Replacement	☐ Yes
E							☐ Repaired,	□No
	1		Ì				☐ Replaced,	
ļ			]			L	☐ Replacement	☐ Yes
F							☐ Repaired,	□No
}	]					}	☐ Replaced,	)
[	1		İ	1	1	1	☐ Replacement	☐Yes

7.	Description of Work New installed hanger per MOD # MD200464.	
8.	Tests Conducted:Hydrostatic ☐ Pneumatic ☐ Nom. Operating Press. ☐ Other ☐ Exe	empt⊡
9.	Pressurepsig Test Temp°F Pressurepsig Test Temp°F Pressurepsig Test Temp°F Remarks	
_		
	(Applicable Manufacturer's Data Reports to be attached)	
	CERTIFICATE OF COMPLIANCE  I certify that the statements made in the report are correct and this conforms to the requirements of the ASME Code, Section XI.  Type Code Symbol Stamp N/A  Certificate of Authorization No. N/A  Signed FL Grass Jr.QA Tech Specialist  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 III 1907 to 2507; and state that to the best of my 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.    Variable 12   Variable 2   Variable 3   Variable 4   Variable 4   Variable 5   Variable 6   Variable 6   Variable 6   Variable 6   Variable 7   Variable	

## FORM NIS-2 OWNER'S REPOR. . OR REPAIR / REPLACEMENT ACTIVITY As Required By The Provisions Of The ASME Code Section XI

1.	Owner Address:	Duke Power Company	1a. Date <u>December 4, 2007</u>
		526 S. Church Street, Charlotte, NC 28201-1006	Sheet <u>1</u> of <u>1</u>
2.	Plant Address:	McGuire Nuclear Station	
		12700 Hagers Ferry Road, Huntersville, NC 28078	
2a.	Unit: □1 ☑2	□3 □Shared (specify Units)	
3.	Work Performed By Address:	y: <u>Duke Power Company</u> 526 S. Church Street, Charlotte NC 28201-1006	3a. Work Order #: 1730869-45  Repair Organization Job #
	Type Code Symbol	Stamp: N/A Authorization No. N/A Expiration Date: N/A	3b. NSM or MM #:MD200464
4.	(a) Identification o	f System: RN - Nuclear Service Water 4. (b) Class of System:	<u> </u>
5.		nstruction Code: <u>ASME III</u> 19 <u>71</u> Edition, <u>Summer and Winter</u> Addenda, <u>N/A</u> tion of Section XI Utilized for Repair / Replacement Activity: <u>1998, 2000 Addenda</u> (1998 thr	Code Cases rough 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)
Α	2MCA-RN-3410	Duke Power	N/A	N/A	N/A	N/A	☐ Repaired, ☐ Replaced, ☑ Replacement	☑ No □ Yes
В							☐ Repaired, ☐ Replaced, ☐ Replacement	□ No
С							☐ Repaired, ☐ Replaced, ☐ Replacement	□ No □ Yes
D							☐ Repaired, ☐ Replaced, ☐ Replacement	□ No □ Yes
E							☐ Repaired, ☐ Replaced, ☐ Replacement	□ No □ Yes
F				·			☐ Repaired, ☐ Replaced, ☐ Replacement	□ No □ Yes

7.	Description of Work New installed hanger per MOD # MD200464.
8.	Tests Conducted:Hydrostatic ☐ Pneumatic ☐ Nom. Operating Press. ☐ Other ☐ Exempt ☐  Pressurepsig
9.	Pressurepsig Test Temp1 Pressurepsig Test Temp°F Remarks
	(Applicable Manufacturer's Data Reports to be attached)
	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  Signed FL Grass Jr, QA Tech Specialist Owner or Owner's Designee, Title
	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 ill27/07 to 12/0-5/0/2; and state that to the best of my 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.    Commissions NC1524, N-I   Inspector's Signature   National Board, State, Province and Endorsements   Date 12/05/07

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

			7.5 Floquiles By 1	HE I TOVISIONS OF THE FROM	L OCCU OCCUON XI			
1.	Owner Address:	Duke Power Company						December 4, 2007
		526 S. Church Street, Charlo	tte, NC 28201-1006				Sheet _	1 of 1
2.	Plant Address:	McGuire Nuclear Station		•				•
		12700 Hagers Ferry Road, H	untersville, NC 28078					
2a.	Unit: □1 ☑2		s	)				
2	Mark Darformed D	y: <u>Duke Power Company</u>	•			lands Ouda	. #	40
٥.	Address:	526 S. Church Street, Cha	rlotte NC 28201-1006		3a. vv	ork Orde	#: 1730869	
							., .	
	Type Code Symbo	Stamp: N/A Authorization No	. N/A Expiration Date: N/	<u>'A</u>	3b. N	SM or MN	1#: <u>MD20046</u>	64
4.	(a) Identification of	of System: <u>RN - Nuclear Servi</u>	ce Water	4. (b) Class	of System:C			
5.	(a) Applicable Co	nstruction Code: <u>ASME III</u> 19 <u>7</u> ition of Section XI Utilized for F	1 Edition, Summer and W	/inter Addenda,	N/A 1a (1998 through 20	OO Adder		Cases
			icpan / Hopiacement Activ	nty. 1990, 2000 Addent	14 (1990 through 20	oo Addei	ida idi Ciass MO arit	a oo ana men sappor
6.	Identification of Co	mponents:						
	Column 1	Column 2	Column 3	Column 4	Column 5	Col 6	Column 7	Column 8
	Name of Component	Name of Mfg	Mfg Serial No.	National Board No.	Other Identification	Year Built	Corrected, Removed, or Installed	ASME Code Stamped (yes or no)
Α			·				☐ Repaired,	☑ No
	2MCA-RN-34	11 Duke Power	N/A	N/A	N/A	N/A	☐ Replaced,	
					,	<u> </u>	☑ Replacement	☐ Yes
В						1	☐ Repaired,	□No
		<u> </u>				1	☐ Replaced,	□ Yes
С	<del>                                     </del>			<u> </u>	<del> </del>	<del> </del>	☐ Replacement☐ Repaired,	□ No
C		İ				Ī	□ Replaced,	
							☐ Replacement	□Yes
D						<del>                                     </del>	☐ Repaired,	□No
_							☐ Replaced,	
					1		☐ Replacement	☐ Yes
E							☐ Repaired,	□No
							☐ Replaced,	]
			i				☐ Replacement	☐ Yes

□ No

☐ Yes

☐ Repaired,
☐ Replaced,
☐ Replacement

Description of Work New installed hanger per MOD # MD200464.
Tests Conducted:Hydrostatic ☐ Pneumatic ☐ Nom. Operating Press. ☐ Other ☐ Exempt
Pressurepsig Test Temp°F Pressurepsig Test Temp°F Pressurepsig Test Temp°F
Remarks
(Applicable Manufacturer's Data Reports to be attached)
CERTIFICATE OF COMPLIANCE  I certify that the statements made in the report are correct and this conforms to the requirements of the ASME Code, Section XI.  Type Code Symbol Stamp N/A Certificate of Authorization No. N/A  Signed Hays FL Grass Jr, QA Tech Specialist  Owner of 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 III 7/0/1 to 12/5/0/7; and state that to the best of my 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.

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

NIVI 1413-2 OWINER 3 REPORT FOR REPAIR / REPLACEIVIEN I	ACTIV
As Required By The Provisions Of The ASME Code Section XI	

				•				
1.	Owner Address:	Duke Power Company					1a. Date _	December 4, 2007
	•	526 S. Church Street, Charlotte	e, NC 28201-1006				Sheet	of
2.	Plant Address:	McGuire Nuclear Station						
		12700 Hagers Ferry Road, Hur	tersville, NC 28078					,
2a.	Unit: □1 🖾2	□3 □Shared (specify Units		·		•		
3.	Work Performed By				3a. W	ork Order	#:1730869	-47
	Address:	526 S. Church Street, Charlo	tte NC 28201-1006				Repair Organization	Job #
	Type Code Symbol	Stamp: N/A Authorization No.	N/A Expiration Date: N/A	7	3b. N	SM or MM	#:MD20046	54
4	(a) Identification of	System: RN - Nuclear Service	Water	4. (b) Class	of System: <u>C</u>	_		•
5.	(a) Applicable Con (b) Applicable Edit	struction Code: <u>ASME III</u> 19 <u>71</u> I ion of Section XI Utilized for Re	Edition, <u>Summer and Wi</u> pair / Replacement Activi	nter Addenda, ty: 1998, 2000 Addend	N/A la_(1998 through 20	00 Adden	Code	Cases d CC and their suppor
6.	Identification of Con	nponents:			•		-	
	Column 1	Column 2	Column 3	Column 4	Column 5	Col 6	Column 7	Column 8
	Name of Component	Name of Mfg	Mfg Serial No.	National Board No.	Other Identification	Year Built	Corrected, Removed, or Installed	ASME Code Stamped (ves or no)

	Column 1	Column 2	Column 3	Column 4	Column 5	Col 6	Column 7	Column 8
	Name of Component	Name of Mfg	Mfg Serial No.	National Board No.	Other Identification	Year Built	Corrected, Removed, or Installed	ASME Code Stamped (yes or no)
Α							☐ Repaired,	☑ No
	2MCA-RN-3412	Duke Power	N/A	N/A	N/A	N/A	☐ Replaced,	F71 \/ -
				<del></del>			☑ Replacement	☐ Yes
В		•	1				☐ Repaired,	□No
		-	,				☐ Replaced,	Į į
l						]	☐ Replacement	☐ Yes
C							☐ Repaired,	□No
}							☐ Replaced,	l
			Į l		ļ		☐ Replacement	☐ Yes
D			į				☐ Repaired,	□No
	\		/ · ·				☐ Replaced,	
					·		☐ Replacement	☐ Yes
E		,					☐ Repaired,	□No
			(	,			☐ Replaced,	1
			. ,			1	☐ Replacement	☐ Yes
F							☐ Repaired,	□No
	.		•				☐ Replaced,	[ l
					·		☐ Replacement	☐ Yes

7.	Description of Work New installed hanger per MOD # MD200464.							
8.	Tests Conducted:Hydrostatic ☐ Pneumatic ☐ Nom. Operating Press. ☐ Other ☐ Ex	empt⊠						
	Pressurepsig Test Temp°F Pressurepsig Test Temp°F Pressurepsig Test Temp°F Remarks	omptei						
	(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  Signed FL Grass Jr, QA Tech Specialist  Owner of 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 III 10 1 to 12 5 07; and state that to the best of my 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.    Warranta   Jerome F Swan   Commissions   NC1524, N-I   National Board, State, Province and Endorsements   Date	l						

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

1.	Owner Address:	Duke Power Company					1a. Date <u>A</u>	pril 15, 2008	
		526 S. Church Street, Charlotte	e, NC 28201-1006				Sheet _	<u>1</u> of <u>1</u>	
2	Plant Address:	McGuire Nuclear Station							
۷.	Tiam Address.		NO 00070						
		12700 Hagers Ferry Road, Hur				•			
2a.	Unit: □1 ☑2	□3 □Shared (specify Units		)					
3.	Work Performed B	y: Duke Power Company			3a. W	ork Order	#:1730869-	-65	
	Address:	526 S. Church Street, Charlo	otte NC 28201-1006				Repair Organization		
	T 0. 1- 0 - 1-1	Otaman NIA Anabanimakina Na	AI/A Fininghian Dakar A	1/4	Oh NI	CA4 A4A		2.4	
	Type Code Symbol	Stamp: N/A Authorization No.	N/A Expiration Date: I	<u>V/A</u>	3D. IN	SIVI OF IVIIV	#:MD20046	04	
4.	(a) Identification of	of System: RN - Nuclear Service	ce Water	4. (b) Class	of System:C				
~	(-) A	and writing Condens A Char III 1071	Edition Commercial	Alimbay Addamada	N1/A		Codo	Casos	
5.	(a) Applicable Col	nstruction Code: <u>ASME III</u> 19 <u>71</u> tion of Section XI Utilized for Re	pair / Replacement Act	ivity: 1998, 2000 Addenc	la (1998 through 20	00 Adden	da for Class MC and	d CC and their sup	ports
			,,					·	
6.	Identification of Co	mponents:							
	Column 1	Column 2	Column 3	Column 4	Column 5	Col 6	Column 7	Column 8	7
	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)	1
A							☐ Repaired,	□No	1
	RN System	Duke Power	N/A	60	N/A	1982	☐ Replaced,		
							☑ Replacement	☑ Yes	-
В	0.500.000		D5000	11/4	N1/A	0000	☐ Repaired,	□ No	
	2RN VA 1086	6 Crane	D5360	N/A	N/A	2006	<ul><li>☐ Replaced,</li><li>☑ Replacement</li></ul>	☑ Yes	
C	-			<del></del>		<u> </u>	☐ Repaired,	□ No	۱,
C	2RN VA 108	7 Crane	D5462	N/A	N/A	2006	☐ Replaced,		
	21114 474 1001	, orang	20102	See the major of the			☑ Replacement	☑ Yes	_
D							☐ Repaired,	□No	]
		•					☐ Replaced,		1
						ļ	☐ Replacement	□ Yes	-
Ε							☐ Repaired, ☐ Replaced,	□ No	1.
					· ·		☐ Replacement	□ Yes	
F	<del> </del>		<del> </del>	<del></del>	<del> </del>	1	☐ Repaired,	□No	1
		·					☐ Replaced,		1
		)					☐ Replacement	☐ Yes	_

7.	Description of Work Replaced valve 2RN-VA-1086 & 1087 and Piping per MD200464.
8.	Tests Conducted:Hydrostatic □ Pneumatic □ Nom. Operating Press. ☑ Other □ Exempt□
9.	Pressure 71 psig Test Temp. 52.4 °F Pressure psig Test Temp. °F Pressure psig Test Temp. °F Remarks Functional performed per task 65 on procedure MP/0/A/7650/076.
	(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  Signed H. J. FL Grass Jr, QA Tech Specialist Owner of Owner's Designee, Title  Date 5/5/2008
	CERTIFICATE OF 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 3-7-08 to 3-5-08; and state that to the best of my 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.    National Board, State, Province and Endorsements   National Board, State, Province and Endorse

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

			<del></del>								
1.	Manufactu	ured and ce	rtified by <u>CRA</u>	NE Nuclear, I	nc., 860 Remington	Boulevard	l, Bolingbrook,	L 6044	0		
				h, '	(name a	nd address of	N Certificate Holder	)			
_			<b>.</b>								
2.	Manufactu	ared for	Duke Energy (	corporation, F	O Box 1006, Charl	one, NC 2	8201-1015				
			•		(name an	d address of p	urchaser)				
3.	Lacation	of installation	AlaCuira A	hualane Cintin	a 12225 Hanne E	Dd 141/	VV 72 Hunton	مالنہ النہ	20070	9095	
J.	Cocaton	n maranauor	MCGONET	vociear Stano	n, 13225 Hagers Fe	name and add	VI /J, HUMEIS	vine, ive	. 20076-	0903	
						, 10.10 5-10 500	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,				
4	Model No.,	Series No.	or Type	5341WE	Ora	wing	CC03981	Rev.	C ·	CRN	N/A
•		,	, ,,,,,,	224 IME							
				•			_				
5.	ASME Cod	de. Section i	III, Division 1:	1998		2000		3		N/A	A
Ψ.		,	, =	(edition)		(addend		(class)	<del></del>	(Code Ca	se no.)
				•		date)					
_	_									_	
<b>6</b> .	Pump or va	aive	Swing Che	ck Valve	Norminal inlet s	ize		llet size		8 (in.)	
							(in.)			(in.)	
7.	Material:										
••					•						
			•	•						SA193	BBM
	(a) valve	Body	SA351 CF8M	Bonnet	SA351 CF8M	Disk	SA351 CF8N	A	Bolting	SA19-	
	(-,			,				<del></del>			
	(b) pump	Casting		Cover		Bolting					
	,		····								
	(a)		(b)		(c)		(d) ·			(e)	
	Cert.		Nat'i		Body/Casing	ε	Bonnet/Cover			Disk	
	Holder's		Board		Serial		Serial			Serial	
	Serial No.		No.		No.	,	No.			No.	
			·			<u>.</u>					
	D5359	<del></del>	N/A		D5363	·	D5371	<i>/</i> .		D5375	<u>/</u>
	D5360		N/A_	<del></del> ·	D5364 /		D5372 /	<b>-</b> -		D5376	
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Pg. 1 of 2

Supplemental information in the form of lists, sketches, or drawings may be used provided (1) size is 8 ½ x 11, (2) information in items 1 through 4 on this Data Report is included on each sheet. (3) each sheet is numbered and the number of sheets is recorded at the top of this form.

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

#### FORM NPV-1 (Back) --- Pg. 2 of 2

				Certificate Holds	er's Serial No.	1	D5359 throu	gh D5360	
					/				
8	Design conditions	135	p	si <u>150</u>	*F or v	vatve pressi	ure class _		
		(pressure	В	(temperate	ure)				
9.	Cold working press	sure	275	psi at 100°l	F				
10.	Hydrostatic test _	425	p:	sl. Disk differ	ential test pres	sure	305	<u> </u>	_ psi
11.		rrected P.E. first							
	PO No. DP20357, CNI SO No. 28451		ouke Item No.	1MV-559			<del></del>		
	Hinge Pin Plugs: A		16. Heat # 564	157					
	Cover Plug: ASME								
			CERTI	FICATION OF E	ESIGN				
Desig	n Specifications cert	tified by	*Jesse M.	Hawkins	P.E. State	NC_	Reg. no.	20159	
Desic	n Report certifled by	,	N/A		P.E. State	e N/A	Reg. no.	N/A	
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-			CERTIFIC	CATE OF COME	PLIANCE				
			CERTIFIC	CATE OF COMP	PLIANCE				
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	erlify that the stateme ASME Code, Sectio					ve conforms	s to the rules	for construct	ion
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of the		on III, Division 1.	report are co				s to the rules	_	ion
of the	ASME Code, Section tificate of Authorization	on III, Division 1.	report are co	rrect and that th	is pump or valv			_	ion 
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of the	ASME Code, Section tificate of Authorization	on III, Division 1.	report are co	rect and that the 2899  Nuclear, Inc.	is pump or valv	Septem	ober 24, 2008	_	ion —
of the	ASME Code, Section tificate of Authorization	on III, Division 1.	report are co	rect and that the 2899  Nuclear, Inc.	is pump or valv	Septem	ober 24, 2008	_	ion —
of the	ASME Code, Section tificate of Authorization	on III, Division 1.	N-CRANE	rect and that the 2899  Nuclear, Inc.	Expires Signed	Septem	ober 24, 2008	_	ion 
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(1) For manually operated valves only.

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

Pg. 1 of 2

	1.	Manufactured and cert	ified	CRANE Nuclear, Inc., 860 Remington Boulevard, Bollngbrook, IL 60440							
		by			(name and	address of N C	ertificate Holder)		· · · · · · · · · · · · · · · · · · ·	<del></del>	
	2.	Manufactured for	Duke Energy Co	rporation, P	O Box 1006, Charl	otte, NC 2	8201-1015 (rchaser)		·		
	3	tti of i-stellette's	Marchine Alice	McGuire Nuclear Station, 13225 Hagers Ferry Rd. HWY 73, Huntersville, NC 28078-8985							
	3.	Location of installation	McGuire Nu	clear Stauor	i, 13223 nagers Fe	name and add	ress)	VIIIE, 14C 200	10-0303		
	4.	Model No., Series No.,	or Type 1W	A-221LGB-3	XG Dra	wing	CC03986	RevE	CRN	N/A	
	5.	ASME Code, Section II	I, Division 1:	1998 (edition)	_	2000 (addended		3 (dass)	N/A (Code Cas	e no.)	
	6.	Pump or valve	Butterfly V	alve	Nominal inlets	ize	8 Out	let size _	8 (in.)		
	<b>7.</b>	Material:		* End Cap			_	/ _		سند	
		(a) valve Body	SA351 CF8M	*Bonnet	SA351 CF8M	Disk	SA351 CF8N	1 Bolti	SA193 ingCL 1		
		(b) pump Casting		Cover		Bolting		<del></del>		•	
	•	(a)	(b)		(c)		(d)		(e)		
		Cert.	Nati		Body/Casing	•1	Bonnet/Cover		Disk		
		Holder's	Board		Serial		Serial		Serial		
		Serial No.	No.		No.		No.		No.		
_	_	D5462 /	N/A		D5464		D5468 🗸		D5466		
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This form (E00037) may be obtained from the Order Dept. ASME, 22 Law Drive, Box 2300, Fairfield, NJ 07007-2300.

(RN)

<sup>\*</sup> Supplemental information in the form of lists, sketches, or drawings may be used provided (1) size is 8 ½ x 11, (2) information in items 1 through 4 on this Data Report is included on each sheet. (3) each sheet is numbered and the number of sheets is recorded at the top of this form.

#### FORM NPV-1 (Back) --- Pg. 2 of 2

	Certificate Holder's Serial No.	D5462 through D5463
8 Design conditions 135 (pressu		e pressure dass
9. Cold working pressure	275 psi at 100°F	
10. Hydrostatic test 425	psi. Disk differential test pressure	e
11. Remarks: PO No. DP20357, PO Item 0060, CNI SO No. 28451-06 End Cap Bolts: HL #150722		
Valve supplied with Gear Operato		
•	CERTIFICATION OF DESIGN	
Design Specifications certified by	Jesse M. Hawkins P.E. State	NC Reg. no. 20159
Design Report certified by	N/A P.E. State	N/A Reg. no. N/A
Certificate of Authorization No.  ateAugust 30. 2006 Name	CRANE Nuclear, Inc. Signed	September 24, 2008
	(N Certificate Holder) Jer	ome A. Kurowski, A.E. Sr. QA Engineer
	CERTIFICATE OF INSPECTION	·
the undersigned, holding a valid commis ate or Province of <u>Illinois</u>	sion issued by the National Board of Boiler and P and employed by	ressure Vessel Inspectors and the HSBCT
	ed the pump, or valve, described in this Data Rep e and belief, the Certificate Holder has constructed.	
mponent described in this Data Report.	ctor nor his employer makes any warranty, expre Furthermore, neither the inspector nor his employ oss of any kind arising from or connected with thi	yer shall be liable in any manner for
ate 08/30/06 Signed	Commissions  (Nati. Bd. (incl. d Ouyah)	IL 1005 endorsements) and state or prov. and no.)

(1) For manually operated valves only.

1821041

1821042

## FORM NIS-2 OWNER'S REPOR. . OR REPAIR / REPLACEMENT ACTIVITY As Required By The Provisions Of The ASME Code Section XI

1.	Owner Address:	Duke Power Company						anuary 23, 2008
		526 S. Church Street, Charlotte	e, NC 28201-1006				Sheet _	of _1
2.	Plant Address:	McGuire Nuclear Station	·					
		12700 Hagers Ferry Road, Hu	ntersville, NC 28078		,			
2a.	Unit: □1 ☑2	□3 □Shared (specify Units		)	•			
_								
3.	Work Performed B Address:	y: <u>Duke Power Company</u> 526 S. Church Street, Charle	htte NC 28201-1006		3a. W	ork Order	#: 1734686  Repair Organization	
	Address.	020 O. Origion Origon, Original	3KC 110 LOLO1 1000			•	Tiopan Organization	
	Type Code Symbo	Stamp: N/A Authorization No.	N/A Expiration Date: N	<u>I/A</u>	3b. N	SM or MN	I #:N/A	
4.	(a) Identification of	of System: NV - Chemical and	Volume Control	4. (b) Class	of System:C			
5.	(a) Applicable Co (b) Applicable Edi	nstruction Code: <u>ASME III</u> 19 <u>71</u> ition of Section XI Utilized for Re	Edition, Summer and Vipair / Replacement Acti	<u> Vinter</u> Addenda, ivity: 1998, 2000 Addend	N/A da_(1998 through 20	00 Adden	Code	Cases d CC and their support
6.	Identification of Co	emponents:	•					
	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							☐ Repaired,	□No
	NV System	Duke Power	N/A	. 80	N/A	1982	☐ Replaced,	
						ļ	☑ Replacement	☑ Yes
В							☐ Repaired,	□No
						1	☐ Replaced,☐ Replacement	□Yes
С	<u> </u>					<del> </del>	☐ Repaired,	□ No
							☐ Replaced,	
							☐ Replacement	□Yes
D	<del> </del>		<del>                                     </del>			1	☐ Repaired,	□ No ~
							☐ Replaced,	
							☐ Replacement	☐ Yes
E							☐ Repaired,	□No
-							☐ Replaced,	
							☐ Replacement	☐ Yes

□ No

☐ Yes

☐ Repaired,
☐ Replaced,
☐ Replacement

7.	Description of Work Replaced bolting material in filter trap at flange 2NVFL0051.
8.	Tests Conducted:Hydrostatic ☐ Pneumatic ☐ Nom. Operating Press. ☑ Other ☐ Exempt
	Pressurepsig Test Temp°F Pressurepsig Test Temp°F Pressurepsig Test Temp°F
9.	Pressurepsig Test Temp°F Remarks Maint functional verified no leakage at system pressure.
	(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 //23/2008 Owner of Owner's Designee, Title
. (	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 10-29-07 to 1-23-08; and state that to the best of my 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.    NC1524, N-I   Inspector's Signature   National Board, State, Province and Endorsements   National Board, State, Province and Endo

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

				THE CHERTICIAN OF THE FIGH	iE Godo Coolion Al			
1.	Owner Address:	Duke Power Company					1a. Date _	April 6, 2008
		526 S. Church Street, Charlotte	NC 28201-1006	•			Sheet	_1_ of <u>1</u>
2.	Plant Address:	McGuire Nuclear Station						
		12700 Hagers Ferry Road, Hur	starsvilla NC 28078					
20	Unit: □1 ☑2			,				
۷a.	Onit. Lit W2	□3 □Shared (specify Units		)				
3.	Work Performed By Address:	y: <u>Duke Power Company</u> 526 S. Church Street, Charlo	otte NC 28201-1006		3a. W	ork Orde	r # : 1745180 Repair Organization	Job #
	Type Code Symbol	Stamp: N/A Authorization No.	N/A Expiration Date: N	<u>I/A</u>	3b. N	SM or MN	/i #:N/A	
4.	(a) Identification o	of System: <u>NB - Boron Recycle</u>	)	4. (b) Class	of System:C			
5.	(a) Applicable Cor (b) Applicable Edi	nstruction Code: <u>ASME III</u> 19 <u>71</u> tion of Section XI Utilized for Re	Edition, <u>Summer and V</u> pair / Replacement Acti	Vinter Addenda,	N/A da_(1998 through 20	000 Adder	Coo	le Cases d CC and their suppo
	Identification of Co							
	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	2MCA-NB-14	Duke Power	20718	N/A	N/A	N/A	<ul><li>☐ Repaired,</li><li>☑ Replaced,</li></ul>	☑ No
B				<del></del>			☐ Replacement	☐ Yes ☑ No
ט	2MCA-NB-14	Duke Power	36856	N/A	N/A	N/A	☐ Repaired, ☐ Replaced, ☑ Replacement	☑ Yes
C							☐ Repaired, ☐ Replaced,	□ No
						<u> </u>	Replacement	□ Yes
D							☐ Repaired, ☐ Replaced,	□No
				<u> </u>			☐ Replacement	☐ Yes
E							☐ Repaired,	□No
				·			☐ Replaced, ☐ Replacement	□Yes
F			<del> </del>		<del>                                     </del>	<del> </del>	☐ Repaired,	□ No
	I	1	1	·	l	1		- ''"
			· ·		ł	1	☐ Replaced,	1

7.	Description of Work Replaced snubber and mounting bolting material.
8.	Tests Conducted:Hydrostatic ☐ Pneumatic ☐ Nom. Operating Press. ☐ Other ☐ Exempt⊠
	Pressurepsig Test Temp°F Pressurepsig Test Temp°F Pressurepsig 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  Signed FL Grass Jr, QA Tech Specialist Owner or Owner's Designee, Title
	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 2-14-08 to 4-7-08; and state that to the best of my 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.    Commissions NC1524, N-I

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

1.	Owner Address:	Duke Power Company					1a. Date <u>N</u>	1arch 17, 2008
		526 S. Church Street, Charlotte	e, NC 28201-1006				Sheet _	<u>1</u> of <u>1</u>
2.	Plant Address:	McGuire Nuclear Station						
		12700 Hagers Ferry Road, Hu	ntersville, NC 28078				•	
2a.	Unit: □1 ☑2	□3 □Shared (specify Units		)	• .			
				/				
3.		y: Duke Power Company	-H- NO 00001 1000		3a. W	ork Orde	#: <u>1745196</u>	
	Address:	526 S. Church Street, Charle	Olle INC 28201-1006				Repair Organization	JOD #
	Type Code Symbo	Stamp: N/A Authorization No.	N/A Expiration Date: N	<u>I/A</u>	3b. N	SM or MM	1#: <u>N/A</u>	
4	(a) Identification (	of System: <u>KC – Component C</u>		4 (b) Class	of System: C			
			•					
5.	(a) Applicable Co	nstruction Code: <u>ASME III</u> 19 <u>71</u> tion of Section XI Utilized for Re	Edition, Summer and V	Winter Addenda,	N/A		Code	Cases
	(b) Applicable Edi	tion of Section XI Utilized for He	epair / Replacement Acti	ivity: 1998-2000 Addeno	1a (1998 through 20	IUU Adder	ida for Class IVIC and	i CC and their suc
			•	). <u>1000  2000 / 1000 / 1</u>	<u>au</u> (1000 iiii0ugii 20		ida idi diaba ilia airi	
6.	Identification of Co			y. <u>1909  2007 1007 1</u>	<u></u> (1000 till dugt. 20	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		
6.	Identification of Co		Column 3	Column 4	Column 5	Col 6	Column 7	Column 8
6.		mponents:					Column 7 Corrected, Removed, or	Column 8 ASME Code Stamped
	Column 1	mponents:  Column 2	Column 3	Column 4	Column 5	Col 6	Column 7 Corrected, Removed, or Installed	Column 8
	Column 1	Mponents:  Column 2  Name of Mfg	Column 3	Column 4	Column 5	Col 6	Column 7 Corrected, Removed, or	Column 8  ASME Code Stamped (yes or no)  No
A	Column 1 Name of Component	Mponents:  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  Repaired, Replaced, Replacement	Column 8  ASME Code Stamped (yes or no)  No
A	Column 1 Name of Component  2MCA-KC-303	Column 2 Name of Mfg  Duke Power	Column 3 Mfg Serial No. 15122	Column 4 National Board No, N/A	Column 5 Other Identification N/A	Col 6 Year Built	Column 7 Corrected, Removed, or Installed Repaired, Replaced, Replacement Repaired,	Column 8  ASME Code Stamped (yes or no)  No
A	Column 1 Name of Component	Column 2 Name of Mfg  Duke Power	Column 3 Mfg Serial No.	Column 4 National Board No.	Column 5 Other Identification	Col 6 Year Built	Column 7 Corrected, Removed, or Installed  ☐ Repaired, ☐ Replaced, ☐ Replacement ☐ Repaired, ☐ Repaired, ☐ Replaced,	Column 8  ASME Code Stamped (yes or no)  No  Yes  No
A B	Column 1 Name of Component  2MCA-KC-303	Column 2 Name of Mfg  Duke Power	Column 3 Mfg Serial No. 15122	Column 4 National Board No, N/A	Column 5 Other Identification N/A	Col 6 Year Built	Column 7 Corrected, Removed, or Installed  Repaired, Replaced, Replacement Repaired, Replaced, Replaced, Replaced,	Column 8  ASME Code Stamped (yes or no)  No  Yes  No
A B	Column 1 Name of Component  2MCA-KC-303	Column 2 Name of Mfg  Duke Power	Column 3 Mfg Serial No. 15122	Column 4 National Board No, N/A	Column 5 Other Identification N/A	Col 6 Year Built	Column 7 Corrected, Removed, or Installed  ☐ Repaired, ☐ Replaced, ☐ Replacement ☐ Repaired, ☐ Replaced, ☐ Replaced, ☐ Replaced, ☐ Replacement ☐ Replacement	Column 8  ASME Code Stamped (yes or no)  No  Yes  No
A B	Column 1 Name of Component  2MCA-KC-303	Column 2 Name of Mfg  Duke Power	Column 3 Mfg Serial No. 15122	Column 4 National Board No, N/A	Column 5 Other Identification N/A	Col 6 Year Built	Column 7 Corrected, Removed, or Installed  ☐ Repaired, ☐ Replaced, ☐ Replacement ☐ Repaired, ☐ Replaced, ☐ Replaced, ☐ Replaced, ☐ Replacement ☐ Repaired, ☐ Repaired, ☐ Repaired, ☐ Repaired, ☐ Replaced,	Column 8  ASME Code Stamped (yes or no)  No  Yes  No  Yes  No
A B	Column 1 Name of Component  2MCA-KC-303	Column 2 Name of Mfg  Duke Power	Column 3 Mfg Serial No. 15122	Column 4 National Board No, N/A	Column 5 Other Identification N/A	Col 6 Year Built	Column 7 Corrected, Removed, or Installed  ☐ Repaired, ☐ Replaced, ☐ Replacement ☐ Repaired, ☐ Replaced, ☐ Replaced, ☐ Replaced, ☐ Replacement ☐ Repaired, ☐ Replacement	Column 8  ASME Code Stamped (yes or no)  ☑ No  ☐ Yes ☐ No ☐ Yes ☐ No ☐ Yes ☐ No ☐ Yes
A B	Column 1 Name of Component  2MCA-KC-303	Column 2 Name of Mfg  Duke Power	Column 3 Mfg Serial No. 15122	Column 4 National Board No, N/A	Column 5 Other Identification N/A	Col 6 Year Built	Column 7 Corrected, Removed, or Installed  ☐ Repaired, ☐ Replaced, ☐ Replacement ☐ Repaired, ☐ Replaced, ☐ Replaced, ☐ Replaced, ☐ Replacement ☐ Repaired, ☐ Repaired, ☐ Repaired, ☐ Repaired, ☐ Replaced,	Column 8  ASME Code Stamped (yes or no)  No  Yes  No  Yes  No

E

□ No

☐ Yes ☐ No

☐ Yes

☐ Repaired,

☐ Replaced,
☐ Replacement
☐ Repaired,
☐ Replaced,
☐ Replaced,
☐ Replacement

7.	Description of Work Replaced snubber.	<u>.</u>
8.	Tests Conducted:Hydrostatic □ Pneumatic □ Nom. Operating Press. □ Other □ Exen	npt⊠
	Pressurepsig Test Temp°F Pressurepsig Test Temp°F	
9.	Pressurepsig Test Temp°F Remarks	
	(Applicable Manufacturer's Data Reports to be attached)	
	CERTIFICATE OF COMPLIANCE  I certify that the statements made in the report are correct and this conforms to the requirements of the ASME Code, Section XI.  Type Code Symbol Stamp N/A Certificate of Authorization No. N/A  Signed FL Grass Jr, QA Tech Specialist Owner of Owner's Designee, Title	
. (	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 2-1/2-08 to 3-1/8-08; and state that to the best of my 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.    On one of the content of the Inspector of the Inspector of the Inspector's Signature   National Board, State, Province and Endorsements	

# 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					1a. Date _	March 17, 2008
		<u>526 S</u>	Church Street, Charlotte	e, NC 28201-1006				Sheet	1 of 1
2.	Plant Address:	<u>McGu</u>	re Nuclear Station						
		12700	Hagers Ferry Road, Hur	stersville NC 28078					
o -									
∠a.	Unit: □1 ☑2	□3	☐Shared (specify Units		)				
3.	Work Performed B	y: <u>Duk</u>	e Power Company			3a. W	ork Order	r#:1758578	,
	Address:	<u>526</u>	S. Church Street, Charlo	otte NC 28201-1006				Repair Organization	Job #
	Type Code Symbol	Stamn	: N/A Authorization No.	N/A Expiration Date: N	1/Δ	3h N	SM or MA	1#:N/A	
	Type dead dymbo.	· Otamp	. 1471 Mathonization 140.	KIM Expiration Date: IN	·	30. W	SIVI OI IVIIV	14	
4.	(a) Identi	fication	of System: LD - Diese	l Generator Engine L	ube Oil 4. (b)	Class of Systen	n: <u>C</u>	<del>_</del>	
5.	(a) Applicable Co.		Cada: AOME III 1071		A(!	****			
э.	(a) Applicable Col	tion of 9	on Code: <u>ASME III</u> 19 <u>71</u> Section XI Utilized for Re	coltion, <u>Summer and v</u> nair / Replacement Acti	Vinter Addenda,	N/A la (1998 through 20	OO Addor	Code	Cases
	(b) Applicable Edi		ocolion XI Otilized for the	pail / Hepiacement Acti	vity. 1990, 2000 Addent	<u>ia</u> (1990 iiii)ugii 20	oo Addel	iua ioi Ciass MC and	a CC and their supp
6.	Identification of Co	mpone	nts:						
	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			······································					☐ Repaired,	□ No
	2LD32		Walworth	C59073	576	N/A	1976	☐ Replaced,	·
							<u> </u>	☑ Replacement	☑ Yes
В								☐ Repaired,	□ No
- 1								☐ Replaced,	
				<u> </u>				☐ Replacement	☐ Yes
C		- 1						☐ Repaired,	□ No
		Ì						☐ Replaced,	
			·					☐ Replacement	☐ Yes
D		j				}	1	☐ Repaired,	□No
						[		☐ Replaced,	
					<u> </u>	·	<u> </u>	☐ Replacement	□ Yes
								l [] Danairad	□No
E		-						☐ Repaired,	- 140
E								☐ Replaced,	
E								☐ Replaced, ☐ Replacement	□ Yes
E								☐ Replaced, ☐ Replacement ☐ Repaired,	
								☐ Replaced, ☐ Replacement	□ Yes

E

7.	Description of Work Replaced bolting material in bonnet.
8.	Tests Conducted:Hydrostatic ☐ Pneumatic ☐ Nom. Operating Press. ☑ Other ☐ Exempt☐
	Pressurepsig Test Temp°F
	Pressurepsig Test Temp°F
	Remarks External leakage performed per task 2 of this work order. No discrepancies
100	nd.
_	
	(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 3/17/2008 Owner or Owner's Designee, Title
	owner of content of bedrighted, This
	CERTIFICATE OF 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
	$\frac{13507}{3-10-08}$ to $\frac{3-18-08}{3}$ ; and state that to the best of my 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.
	erove [ wan Jerome F Swan Commissions NC1524, N-1
/	Inspector's Signature National Board, State, Province and Endorsements
(	Date 3-18-2008
٠.	

# FORM NIS-2 OWNER'S REPOh. OR REPAIR / REPLACEMENT ACTIVITY As Required By The Provisions Of The ASME Code Section XI

1.	Owner Address:		Power Company Church Street, Charlotte	NC 28201-1006					December 4, 2007 1 of _1
2.	Plant Address:	<u>McGu</u>	ire Nuclear Station						
		12700	Hagers Ferry Road, Hun	tersville, NC 28078					•
20	Unit: □1 ☑2		☐Shared (specify Units		١			1	
<b>4</b> a.	Offit, Life W2	ЦS	Donated (specify Offics)		<del></del> /				
3.	Work Performed By Address:		te Power Company S. Church Street, Charlo	tte NC 28201-1006		3a. W	ork Order	#: 1763015 Repair Organization	
	Type Code Symbol	Stamp	: <u>N/A</u> Authorization No.	N/A Expiration Date: N	<u> //A</u>	3b. N	SM or MM	#: <u>MD20046</u>	64
4.	(a) Identification of	f Syste	m: RN - Nuclear Service	e Water	4. (b) Class	of System:C			
5.	(a) Applicable Co (b) Applicable Edi	nstruction of	on Code: <u>ASME III</u> 19 <u>71</u> I Section XI Utilized for Re <sub>l</sub>	Edition, <u>Summer and V</u> pair / Replacement Acti	Vinter Addenda, vity: 1998, 2000 Adden	N/A da (1998 through 20	000 Adden	Code da for Class MC and	Cases d CC and their suppor
6.	Identification of Co	mpone	nts:				٠		
	Column 1		Column 2	Column 3	Column 4	Column 5	Col 6	Column 7	Column 8
	Name of Component		Name of Mfg	Mfg Serial No.	National Board No.	Other Identification	Year Built	Corrected, Removed, or Installed	ASME Code Stamped (yes or no)
Α	2MCA-RN-341	13	Duke Power	N/A	N/A	N/A	N/A	☐ Repaired, ☐ Replaced, ☑ Replacement	☑ No
В		<del></del>		<u> </u>	<del> </del>	<u> </u>	<del> </del>	☐ Repaired,	□ No
U				,				☐ Replaced,	
								☐ Replacement	□Yes
Ç							1	☐ Repaired,	□No
		1		·				☐ Replaced,	
							<u> </u>	☐ Replacement	☐ Yes
D		-	•				-	☐ Repaired,	□No
		İ						☐ Replaced,	□ Yes
		<del></del>				-	+	☐ Replacement	□ No
Ε			•				1	☐ Repaired, ☐ Replaced,	LI 140
		1					1	☐ Replaced,	□Yes
F	<u></u>		<u></u>	<del> </del>			+	☐ Repaired,	□No
Γ.		1		<u>'</u>	1			☐ Replaced.	
			•					☐ Replacement	☐ Yes

7.	Description of Work New installed hanger per MOD # MD200464.	
8.	Tests Conducted:Hydrostatic ☐ Pneumatic ☐ Nom. Operating Press. ☐ Other ☐ Exe	empt⊠
9.	Pressurepsig Test Temp°F Pressurepsig Test Temp°F Pressurepsig Test Temp°F Remarks	
		·
	(Applicable Manufacturer's Data Reports to be attached)	
		•
	CERTIFICATE OF COMPLIANCE  I certify that the statements made in the report are correct and this conforms to the requirements of the ASME Code, Section XI.  Type Code Symbol Stamp N/A  Certificate of Authorization No. N/A  Signed FL Grass Jr,QA Tech Specialist Owner of 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 MSD To ASOT; and state that to the best of my 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.  Description of the National Board, State, Province and Endorsements National Board, State, Province and Endorsements	

### FORM NIS-2 OWNER'S REPOR. OR REPAIR / REPLACEMENT ACTIVITY As Required By The Provisions Of The ASME Code Section XI

		. As Required by The	Provision	IS OF	Ne ASIVIE Code Section	On XI			
1.	Owner Address:	Duke Power Company						1a. Date <u>January 2, 2008</u>	
		526 S. Church Street, Charlotte, NC 28201-1006						Sheet _ 1 _ of _1	_
2.	Plant Address:	McGuire Nuclear Station							
		12700 Hagers Ferry Road, Huntersville, NC 28078							
2a.	Unit: □1 ☑2	□3 □Shared (specify Units	_)						
3.	Work Performed By	: <u>Duke Power Company</u>				3a.	Work Order # : _	1763015-46	
	Address:	526 S. Church Street, Charlotte NC 28201-1006						Repair Organization Job #	
	Type Code Symbol	Stamp: N/A Authorization No. N/A Expiration Date: N/A			-	3b.	NSM or MM #:	MD200464	_
4.	(a) Identification o	System: RN - Nuclear Service Water	4.	(b)	Class of System: _	С			
5.	(a) Applicable Cor (b) Applicable Edi	struction Code: <u>ASME III</u> 19 <u>71</u> Edition, <u>Summer and Win</u> ion of Section XI Utilized for Repair / Replacement Activity	<u>er</u> Adde : <u>1998,</u>	nda, _ 2000	N/A Addenda (1998 thre	ough	2000 Addenda fo	Code Cases or Class MC and CC and their su	shoqqı

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)
Α	2MCA-RN-3413	Duke Power	N/A	N/A	N/A	N/A	☐ Repaired, ☐ Replaced, ☑ Replacement	☑ No . □ Yes
В							☐ Repaired, ☐ Replaced, ☐ Replacement	□ No □ Yes
C	·			:			<ul><li>□ Repaired,</li><li>□ Replaced,</li></ul>	□ No
D							☐ Replacement☐ Repaired,☐ Replaced,☐	☐ Yes
E					·		☐ Replacement☐ Repaired,☐ Replaced,☐	☐ Yes ☐ No
F	·						☐ Replacement ☐ Repaired, ☐ Replaced, ☐ Replacement	☐ Yes ☐ No ☐ Yes

7.	Description of Work New installed hanger per MOD # MD200464.
8.	Tests Conducted:Hydrostatic ☐ Pneumatic ☐ Nom. Operating Press. ☐ Other ☐ Exempt⊡
	Pressurepsig Test Temp°F
	Pressurepsig Test Temp°F
	Pressurepsig Test Temp°F
9.	Remarks
,	
	(Applicable Manufacturer's Data Reports to be attached)
	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  Signed Alfand FL Grass Jr, QA Tech Specialist 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 125/07 to 12/26; and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of ASME Code, Section XI.  By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection.    Description   Descripti

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

As Required B	v The Pro	ovisions Of	The	ASME	Code	Section	XI
713 Ticquitou D	, ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	01,0,0,10		, .C	0040	CCCHOIL	/\

			As Required By	the Provisions Of the ASM	IE Code Section XI		·			
1.	Owner Address:	Duke Power Company					1a. Date <u>A</u>	pril 10, 2008		
		526 S. Church Street, Charlotte	NC 28201-1006				Sheet _	_1 of _1		
2.	Plant Address:	McGuire Nuclear Station								
		12700 Hagers Ferry Road, Hun	tersville, NC 28078							
2a.	Unit: □1	□3 □Shared (specify Units		)						
3.	Work Performed By: Duke Power Company Address: Duke Power Company 526 S. Church Street, Charlotte NC 28201-1006  3a. Work Order #: 1763617-32  Repair Organization Job #									
	Type Code Symbol Stamp: N/A Authorization No. N/A Expiration Date: N/A 3b. NSM or MM #: MD201471									
4.	(a) Identification o	f System: <u>RN – Nuclear Servic</u>	e Water	4. (b) Class	of System:C	<del></del> -		·		
5.	(a) Applicable Cor (b) Applicable Edit	nstruction Code: <u>ASME III</u> 19 <u>71</u> E tion of Section XI Utilized for Rep	Edition, <u>Summer and V</u> pair / Replacement Acti	Vinter Addenda, vity: 1998, 2000 Addend	N/A da: (1998 through 20	00 Adder	Code	Cases d CC and their suppo	orts)	
6.	Identification of Co	mponents:		, ·						
	Column 1	Column 2	Column 3	Column 4	Column 5	Col 6	Column 7	Column 8		
	Name of Component	Name of Mfg	Mfg Serial No.	National Board No.	Other Identification	Year Built	Corrected, Removed, or Installed	ASME Code Stamped (yes or no)		
Ā	2-RN-VA-69	Walworth	C59134	637	V-File# 714	1976	☐ Repaired, ☑ Replaced,	□ No ☑ Yes		
В	2-RN-VA-69	Crane Nuclear	D7265	N/A	N/A	2008	☐ Replacement☐ Repaired,☐ Replaced,☐	□ No		

	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							☐ Repaired,	□ No
	2-RN-VA-69	Walworth	C59134	637	V-File# 714	1976	☑ Replaced,	
							☐ Replacement	☑ Yes
В							☐ Repaired,	□No
	2-RN-VA-69	Crane Nuclear	D7265	N/A	N/A	2008	☐ Replaced,	
						<u> </u>	☑ Replacement	☑ Yes
C							☐ Repaired,	□No
			,				☐ Replaced,	
							☐ Replacement	☐ Yes
D							☐ Repaired,	□No
]						1	☐ Replaced,	
		<u> </u>					☐ Replacement	☐ Yes
E							☐ Repaired,	□ No
							☐ Replaced,	
					}	]	☐ Replacement	☐ Yes
F							☐ Repaired,	□ No
							☐ Replaced,	
1	1						☐ Replacement	☐ Yes

7.	Description of Work Replaced valve.	
8.	Tests Conducted:Hydrostatic ☐ Pneumatic ☐ Nom. Operating Press. ☑ Other ☐ Exe	mpt□
	Pressure 100 psig Test Temp. 74 °F	
	Pressurepsig Test Temp°F Pressure psig Test Temp. °F	
۵	Pressurepsig Test Temp°F Remarks Functional performed per task 32.	
Э.	nemarks i unctional performed per task 32.	···-
		<del></del>
	(Applicable Manufacturer's Data Reports to be attached)	
	OFFICIATE OF COMPLIANCE	'
	CERTIFICATE OF COMPLIANCE I certify that the statements made in the report are correct and this conforms to the requirements of the ASME Code, Section XI.	•
	Type Code Symbol Stamp <u>N/A</u> Certificate of Authorization No. <u>N/A</u> Expiration Date <u>N/A</u>	
	Signed How FL Grass Jr, QA Tech Specialist Date 5/8/2008 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 3-10-08 to 5-8-08; and state that to the best of my 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.    NC1524, N-I   National Board, State, Province and Endorsements	
	Date <u>5-8-2008</u>	

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

Pg. 1 of 2

								,
_	Namo do objectado a adestra	alflad by	CDANC L	luclear, Inc., 860 Re	minatas Baula	yard Balinahraal	H EDAAC	· - /
1.	Manufactured and cer	uned by	CHAINE I	Inama and a	ming(on Boule ddress of N Cartific	vard, Bonnybrook	, IL 0044C	
	•			•		,		
2.	Manufactured forD	uke Energy Corpora	tion, POB	ox 1008, Charlotte, I	VC 28201-101	5		
				nbbe bne emen)	ess of purchaser)			
^	4 17 <b>4</b> 1 <b>1</b> - 11 - 11	. M.O.d., Norder	. 04-0 4:	7777 Usses Fam. (	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	lunda double NC 16	2079 9095	,
3.	Location of installation	McGuire Nuclear	Station, 1	3225 magers Ferry r	and address)	untersyme, IVC 20	3070-0903	
				friamo	5.74 652.422)		•	
4.	Model No., Series No.	, or Type 5202	-WE-SPL	Drawing	CC04304	Rev. C	CRN	N/A
				_		-	-	
5.	ASME Code Section	III. Division 1:	1998	2000		2		
Ģ.	ASME Code, Section	III, DIVISION 1:	(adition)	(addenda d	a(e)	(class)	(Code	Çase no.)
		سمر).		•			• • • •	,
6.	Pump or valve	Gate Valve		Nominal inlet size	8"	Outlet size		8"
	i							
7.	Material:							
۲.	1110 (01)01.	L/		ليممينا		مهمسعوب		SA193 B7 1
	(a) valve Body	SA216 WCB	Bonnet	SA216 WCB	Disk S	SA351 CF8M	Bolting	SA194 2H 4
	(b) pump Casting		Cover		Bolting		J	
	(-)			(-)			,	
	(a)	(b) Nat'l		(c)	(d) Bonnet/(	00000	(e	
	Cert. Holder's	Board	ž.	Body/Casing Serial	Seria		Dis Ser	
	Serial No.	No.		No.	No.		No	
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	D7265 L	N/A		D7202 V	D721	مسنة 14	D72	18
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This form (E00037) may be obtained from the Order Dept. ASME, 22 Law Drive, Box 2300, Fairfield, NJ 07007-2300.

<sup>\*</sup> Supplemental Information in the form of lists, sketches, or drawings may be used provided (1) size is 8 ½ x 11, (2) information in Items 1 through 4 on this Data Report is included on each sheet. (3) each sheet is numbered and the number of sheets is recorded at the top of this form.

CERTIFICATE OF COMPLIANCE  We certify that the statements made in this report are correct and that this pump or valve conforms to the rules for construction of the ASME Code, Section III, Division 1.  N Certificate of Authorization No.  N-2899  Expires  September 24, 2008  Expires  September 24, 2008  CRANE Nuclear, Inc.  (N Cartificate of Authorization No.  CERTIFICATE OF INSPECTION  In the undersigned, holding a valid commission issued by the National Board of Bollier and Pressure Vessel Inspectors and the State or Province of  Hartford, CT  have inspected the pump, or valve, described in this Data Report on March 7, 2008, and state that to the best of my knowledge and belief, the Cartificate Holder has constructed this pump, or valve, in accordance with the ASME Code, Section III, Division 1.  By signing this certificate, neither the inspector nor his employer makes any warranty, expressed or implied, concerning the component described in this Data Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for my personal Injury or property damage or loss of any kind arising from or connected with this inspection.		FORM NPV-1	(Back) Pg. 2 of 2	,
(gressure (femperature)  285 psi at 100°F  10. Hydrostatic tast 450 psi. Disk differential test pressure 315 psi  11. Remarks: Bonnet Stud Héat Code: 1H62, Bonnet Stud Nut Heat Code: 1H65  By-Pass Pipinin; SA108 GR B. H. #: 2005444 By-Pass Piping Elbows: SA105, Ht. #: 77230  By-Pass Pipinin; SA108 GR B. H. #: 2005444 By-Pass Piping Elbows: SA105, Ht. #: 77230  By-Pass Pipinin; SA108 GR B. H. #: 2005444 By-Pass Piping Elbows: SA105, Ht. #: 77230  By-Pass Pipinin; SA108 GR B. H. #: 2005444 By-Pass Piping Elbows: SA105, Ht. #: 77230  By-Pass Pipinin; SA108 GR B. H. #: 2005444 By-Pass Piping Elbows: SA105, Ht. #: 77230  By-Pass Pipinin; SA108 GR B. H. #: 2005444 By-Pass Piping Elbows: SA105, Ht. #: 77230  By-Pass Pipinin; SA108 GR B. H. #: 2005444 By-Pass Piping Elbows: SA105, Ht. #: 77230  CERTIFICATION OF DESIGN  Design Specifications certified by James Lamb, Jr. P. E. State NC Reg. no. 6005  CERTIFICATE OF COMPLIANCE  Ve certify that the statements made in this report are correct and that this pump or valve conforms to the rules for construction if the ASME Code, Section III, Division 1.  CERTIFICATE OF COMPLIANCE  (N Cardicale Holder)  CERTIFICATE OF INSPECTION  the undersigned, holding a valid commission issued by the National Board of Boller and Pressure Vessel Inspectors and the Halton of Province of Illinois and employed by HSBCT  Hartond, CT have inspected the pump, or valve, described in this Data Report on March 7, 2008, and state that to the best of my knowledge and belief, the Cardicale Holder has constructed this pump, or valve, in accordance the that ASME Code, Section III, Division 1.  y signing this certificate, neither the inspector nor his employer makes any warranty, expressed or implied, concerning the imponent described in this Data Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner (with the pump of properly damage or loss of any kind arising from or connected with this inspection.			Certificate Hokler's Serial No.	D7265
10. Hydrostalic tast 450 psi. Dlsk differential test pressure 315 psi  11. Remarks: Bonnet Stud Heat Code: 1H82, Bonnet Stud Nut Heat Code: 1H65 By-Pass Piping: SA108 GR B. H. #: 203644* By-Pass Piping Elbows: SA105. Ht. #: 77230 By-Pass Piping Valve S/N: 071171-13 PO No. 00091378 PC Islam # 0003, Duke Item 028-839 CNI S/O 31377-01  CERTIFICATION OF DESIGN  CERTIFICATION OF DESIGN  CERTIFICATE OF COMPLIANCE  Ve certified by N/A P.E. State NC Reg. no. 6005  CERTIFICATE OF COMPLIANCE  Ve certify that the statements made in this report are correct and that this pump or valve conforms to the rules for construction of the ASME Code, Section III, Division 1.  N Certificate of Authorization No. N-2899 Expires September 24, 2008  Date 03/07/08 Name CRANE Nuclear, Inc. Signed Fressure Vessel Inspectors and the Interior of Province of Illinois and employed by Hartford, CT have inspected the pump, or valve, ossenibed in this Data Report on March 7, 2008 and state that to the best of my knowledge and betief, the Cardificate Holder has constructed this pump, or valve, in accordance fifth the ASME Code, Section III, Division 1.  Signing this certificate, neither the inspector nor his employer makes any warranty, expressed or implied, concerning the emponent described in this Data Report on March 7, 2008 and state that to the best of my knowledge and betief, the Cardificate Holder has constructed this pump, or valve, in accordance fith the ASME Code, Section III, Division 1.  Signing this certificate, neither the inspector nor his employer makes any warranty, expressed or implied, concerning the emponent described in this Data Report, Eurthermore, neither the inspector nor his employer shall be liable in any manner for my personal Injury or properly damage or loss of any kind arising from or connected with this inspection.	8 Design conditions			
11. Remarks: Bonnet Stud Héat Code: 1H62_Bonnet Stud Nut Heat Code: 1H65_By-Pass Piping: SA106 GR B, Ht. #: 203644* By-Pass Piping Elbows: SA105, Ht. #: 77230  By-Pass Piping: Valve S/N: 07117-13 by-Po. No. 20093173 Po Item # 0003, Duke Item 028-839 by-Po. No. 20093173 Po Item # 0003, Duke Item 028-839 by-Po. No. 20093173 Po Item # 0003, Duke Item 028-839 by-Po. No. 20093173 Po Item # 0003, Duke Item 028-839 by-Po. No. 20093173 Po Item # 0003, Duke Item 028-839 by-Po. No. 20093173 Po Item # 0003, Duke Item 028-839 by-Po. No. 20093173 Po Item 028-839 by-Po. No. 20093173 Po Item 028-839 by-Po. No. 20093173 Po Item 028-839 by-Po. No. 20093173 Po Item 028-839 by-Po. No. 20093173 Po Item 028-839 by-Po. 20093173 Po Item 028-839 by	9. Cold working pressure	285 psl at 10	0°F	,
By-Pass Piping: SA106 GR B, Ht. #: 203844* By-Pass Piping Elbows: \$A105, Ht. #: 77230  By-Pass Piping Valve \$N: 07171-13 J  PO No. 00091378 PO Item # 0003, Duke Item 028-839 J  CNI S/O 31377-01  CERTIFICATION OF DESIGN  Design Specifications certified by James Lamb, Jr. P.E. State NC Reg. no. 6005  Design Report certified by N/A P.E. State N/A Reg. no. N/A  CERTIFICATE OF COMPLIANCE  We certify that the statements made in this report are correct and that this pump or valve conforms to the rules for construction of the ASME Code, Section III, Division 1.  N Certificate of Authorization No. N-2899 Expires September 24, 2088  Date 03/07/08 Name CRANE Nuclear, Inc. Signed Services P.E. St. Ouelly Assurance Engineer  CERTIFICATE OF INSPECTION  It is undersigned, holding a valid commission issued by the National Board of Boller and Pressure Vessel Inspectors and the State or Province of Illinois and employed by HSBCT  M Hartford, CT have inspected the pump, or valve, described in this Data Report on March 7, 2008 and state that to the best of my knowledge and bellef, the Certificate Holder has constructed this pump, or valve, in accordance with the ASME Code, Section III, Division 1.  Systgning this certificate, neither the inspector nor his employer makes any warranty, expressed or implied, concerning the component described in this Data Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for my personal Injury or property damage or loss of any kind arising from or connected with this inspection.	10. Hydrostatic test	450 psi. Dlsk dif	ferential lest pressure 315	psi
Design Specifications cartified by James Lamb, Jr. P.E. State NC Reg. no. 6005  Design Report certified by N/A P.E. State N/A Reg. no. N/A  CERTIFICATE OF COMPLIANCE  We certify that the statements made in this report are correct and that this pump or valve conforms to the rules for construction of the ASME Code, Section III, Division 1.  N Certificate of Authorization No. N-2899 Expires September 24, 2008  Date 03/07/08 Name CRANE Nuclear, Inc. Signed Jarone A. Knowskii, P.E. Sr. Duelly Assurance Singlinear  CERTIFICATE OF INSPECTION  It the undersigned, holding a valid commission issued by the National Board of Boller and Pressure Vessel Inspectors and the State or Province of Illinois and employed by HSBCT have inspected the pump. or valve, described in this Data Report on March 7, 2008 and state that to the best of my knowledge and belief, the Certificate Holder has constructed this pump, or valve, in accordance with the ASME Code, Section III, Division 1.  By signing this certificate, neither the inspector nor his employer shall be liable in any manner for my personal Injury or property damage or loss of any kind arising from or connected with this inspection.	By-Pass Piping: SA108 By-Pass Piping Valve S/ PO No. 00091378 PO Ita	GR B. Ht. #: 2036446 By-Pass Piping N: 071171-13		
CERTIFICATE OF COMPLIANCE  We certify that the statements made in this report are correct and that this pump or valve conforms to the rules for construction of the ASME Code, Section III, Division 1.  N Certificate of Authorization No.  N-2899  Expires  September 24, 2008  Date  03/07/08  Name  CRANE Nuclear, Inc.  Signed  According the National Board of Boller and Pressure Vessel Inspectors and the State or Province of  Ifflinois  and employed by  HSECT  In Hartford, CT  have inspected the pump, or valve, described in this Data Report on  March 7, 2008, and state that to the best of my knowledge and belief, the Cartificate Holder has constructed this pump, or valve, in accordance with the ASME Code, Section III, Division 1.  By signing this certificate, neither the inspector nor his employer makes any warranty, expressed or implied, concerning the component described in this Data Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for my personal Injury or property damage or loss of any kind arising from or connected with this inspection.		CERTIFICATION OF	F DESIGN	
CERTIFICATE OF COMPLIANCE  We certify that the statements made in this report are correct and that this pump or valve conforms to the rules for construction of the ASME Code, Section III, Division 1.  N Certificate of Authorization No.  N-2899  Expires  September 24, 2008  Date  03/07/08  Name  CRANE Nuclear, Inc.  Signed  Jeroma A. Kirovasti, P.E. Sr. Quality Assurance Engineer  State or Province of  Illinois  and employed by  HSBCT  Thatford, CT  have inspected the pump, or valve, described in this Data Report on March 7, 2008  and state that to the best of my knowledge and belief, the Certificate Holder has constructed this pump, or valve, in accordance with the ASME Code, Section III. Division 1.  By signing this certificate, neither the inspector nor his employer makes any warranty, expressed or implied, concerning the component described in this Data Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal Injury or property damage or loss of any kind arising from or connected with this inspection.	Design Specifications certified	oy James Lamb, Jr. 🗸	P.E. State NC Reg. no	o. <u>6005</u>
We certify that the statements made in this report are correct and that this pump or valve conforms to the rules for construction of the ASME Code, Section III, Division 1.  N Certificate of Authorization No.  N-2899  Expires  September 24, 2008  Date  03/07/08  Name  CRANE Nuclear, Inc.  (N Certificate Holder)  Signed  Jaronio A, Kurowaki, P.E.  Sr. Quality Assurance Engineer  CERTIFICATE OF INSPECTION  At the undersigned, holding a valid commission issued by the National Board of Boller and Pressure Vessel Inspectors and the State or Province of  Hartford, CT  have inspected the pump, or valve, described in this Data Report on  March 7, 2008  and state that to the best of my knowledge and belief, the Certificate Holder has constructed this pump, or valve, in accordance with the ASME Code, Section III, Division 1,  ay signing this certificate, neither the inspector nor his employer makes any warranty, expressed or implied, concerning the component described in this Data Report. Furthermore, neither the inspector nor his employer shall be liable in any manner for any personal Injury or property damage or loss of any kind arising from or connected with this inspection.	Design Report certified by	N/A	P.É. State N/A Reg. no	D. N/A
the undersigned, holding a valid commission issued by the National Board of Boller and Pressure Vessel Inspectors and the State or Province of Illinois and employed by HSBCT  If Hartford, CT have inspected the pump, or valve, described in this Data Report on March 7, 2008, and state that to the best of my knowledge and belief, the Certificate Holder has constructed this pump, or valve, in accordance with the ASME Code, Section III. Division 1.  By signing this certificate, neither the inspector nor his employer makes any warranty, expressed or implied, concerning the component described in this Data Report. Furthermore, neither the inspector nor his employer shall be liable in any manner for my personal injury or property damage or loss of any kind arising from or connected with this inspection.	Date <u>03/07/08</u> Nac		Jerome A. Kurowa	
State or Province of Illinois and employed by HSBCT  of Hartford, CT have inspected the pump, or valve, described in this Data Report on March 7, 2008 and state that to the best of my knowledge and belief, the Cartificate Holder has constructed this pump, or valve, in accordance with the ASME Code, Section III. Division 1.  By signing this certificate, neither the inspector nor his employer makes any warranty, expressed or implied, concerning the component described in this Data Report. Furthermore, neither the inspector nor his employer shall be liable in any manner for any personal injury or property damage or loss of any kind arising from or connected with this inspection.		CERTIFICATE OF IN	SPECTION	
component described in this Data Report. Furthermore, neither the inspector nor his employer shall be liable in any manner for any personal injury or property damage or loss of any kind arising from or connected with this inspection.  Date 03/07/08 Signed Commissions Illinois 1005	State or Province of  Hartford, CT  and state that to the best of my	Illinois and employed have inspected the pump, or valve knowledge and belief, the Certificate H	d by HSBCT e, described in this Data Report on M	larch 7, 200B
	component described in this Da	a Report. Furthermore, neither the In-	spector nor his employer shall be liable in	
	Date <u>03/07/08</u> Signed	Fred Oxyang Commis		a or prov. and no

### FORM NIS-2 OWNER'S REPOH. FOR REPAIR / REPLACEMENT ACTIVITY

	<del></del>		As Required By	The Provisions Of The ASM	IE Code Section XI		·		
1.	Owner Address:	Duke Power Company					1a. Date _(	03/26/2008	
		526 S. Church Street, Charlotte	e, NC 28201-1006				Sheet_	1 of 1	
2.	Plant Address:	McGuire Nuclear Station							
		12700 Hagers Ferry Road, Huj	ntersville, NC 28078		•			÷	
2a.	Unit: □1 ⊠2	□3 □Shared (specify Units		···)					
3.	Work Performed By		-		3a. W	ork Ordei	# : <u>01763617-60</u>		
Address: 526 S. Church Street, Charlotte NC 28201-1006 Repair Organization Job #									
	Type Code Symbol	Stamp: N/A Authorization No.	N/A Expiration Date: N	<u>/A</u>	3b. N	SM or MM	1#: <u>MD20147D</u>		
4.	(a) Identification o	f System: RN Nuclear Service	e Water	4. (b)	Class of System	n: <u>C</u>			
5.	(a) Applicable Cor (b) Applicable Edit	nstruction Code: <u>ASME III</u> 19 <u>71</u> tion of Section XI Utilized for Re	Edition, <u>Summer and W</u> pair / Replacement Activ	<u>Vinter</u> Addenda, vity: 1998, 2000 Addenc	N/A da_(1998 through 20	00 Adder	Code Cas		rts
6.	Identification of Co	mponents:			•				
	Column 1	Column 2	Column 3	Column 4	Column 5	Col 6	Column 7	Column 8	
	Name of Component	Name of Mfg	Mfg Serial No.	National Board No.	Other Identification	Year Built	Corrected, Removed, or Installed	ASME Code Stamped (yes or no)	
Α	2-MCA-CA-562	25 Duke Energy	N/A	N/A	Hanger	N/A	☐ Repaired, ☐ Replaced,	⊠No	
							⊠Replacement	☐ Yes	
В							☐ Repaired,	□ No	
							<ul><li>□ Replaced,</li><li>□ Replacement</li></ul>	□ Yes	
С				<del> </del>			☐ Repaired,	□ No	
~	1	i			1	I		· -	

	Traine or Component	Traine or wing	Img Ochar No.	riational board rio.	Other Identinoation	Tear Don	Installed	(yes or no)
Α							☐ Repaired,	⊠No
	2-MCA-CA-5625	Duke Energy	N/A	N/A	Hanger	N/A	☐ Replaced,	
1							⊠Replacement	☐ Yes
В							☐ Repaired,	□ No
				•		}	☐ Replaced,	
	<u> </u>						☐ Replacement	☐ Yes
C						ļ , ·	☐ Repaired,	□No
Ì							☐ Replaced,	
							☐ Replacement	☐ Yes
D							□ Repaired,	□ No
			5 200	roperion n			☐ Replaced,	
-		l_	. ;.	A			□ Replacement	☐ Yes
E							☐ Repaired,	□No
	1				4		☐ Replaced,	
							☐ Replacement	☐ Yes
F							☐ Repaired,	□ No
	1						☐ Replaced,	
						1	☐ Replacement	□ Yes

7.	Description of Work Added Item 12, 1/2 Plate Per MD20147D	
8.	Tests Conducted:Hydrostatic ☐ Pneumatic ☐ Nom. Operating Press. ☐ Other ☐ Exer	npt⊠
9.	Pressurepsig Test Temp°F Pressurepsig Test Temp°F Pressurepsig Test Temp°F Remarks	
_		
	(Applicable Manufacturer's Data Reports to be attached)	
	CERTIFICATE OF COMPLIANCE  I certify that the statements made in the report are correct and this conforms to the requirements of the ASME Code, Section XI.  Type Code Symbol Stamp N/A	
	Certificate of Authorization No. N/A Expiration Date N/A  Signed F.R. Sorrow, QA Tech Support Date 03/26, 2008  Owner or Owner's Designee, Title	*
	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 3-27-08, and state that to the best of my 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.    National Board, State, Province and Endorsements	

### FORM NIS-2 OWNER'S REPO. FOR REPAIR / REPLACEMENT ACTIVITY

1410-2	OWINER 3 HEFOI	TON NEPAIN /	HELFACEMENT	ACTIVI
	As Required By The Prov	visions Of The ASMI	F Code Section XI	

1.	Owner Address:	Duke Power Company	1a. Date <u>April 14, 2008</u>
		526 S. Church Street, Charlotte, NC 28201-1006	Sheet <u>1</u> of <u>1</u>
2.	Plant Address:	McGuire Nuclear Station	
		12700 Hagers Ferry Road, Huntersville, NC 28078	
2a.	Unit: □1 ☑2	□3 □Shared (specify Units)	
3.	Work Performed By Address:	500 C C	1764228-32 Repair Organization Job #
	Type Code Symbol	Stamp: N/A Authorization No. N/A Expiration Date: N/A 3b. NSM or MM #:	MD201471
4.	(a) Identification o	f System: <u>CA – Auxiliary Feedwater</u> 4. (b) Class of System: <u>C</u>	
5.		nstruction Code: <u>ASME III</u> 19 <u>71</u> Edition, <u>Summer and Winter</u> Addenda, <u>N/A</u> tion of Section XI Utilized for Repair / Replacement Activity: <u>1998, 2000 Addenda</u> (1998 through 2000 Addenda for the contract of the contract	Code Cases Class MC and CC and their supports)
6.	Identification of Co	mponents:	. •
	Column 1	Column 2 Column 2 Column 4 Column 5 Col 6 C	olumn 7 Column 9

	Column 1	Column 2	Column 3	Column 4	Column 5	Col 6	Column 7	Column 8
	Name of Component	Name of Mfg	Mfg Serial No.	National Board No.	Other Identification	Year Built	Corrected, Removed, or Installed	ASME Code Stamped (yes or no)
Α	2CA-VA-86	Walworth	C61561	677	V File# 781	1976	☐ Repaired, ☑ Replaced,	□ No
В							☐ Replacement☐ Repaired,	☑ Yes □ No
_	2CA-VA-86	Crane	D7264	N/A	N/A	2008	☐ Replaced, ☑ Replacement	☑ Yes
С				141 1 4 1 A			☐ Repaired, ☐ Replaced,	□ No
			`			<u> </u>	☐ Replacement	☐ Yes
D							☐ Repaired, ☐ Replaced, ☐ Replacement	□ No □ Yes
E							☐ Repaired, ☐ Replaced,	□ No
			•				☐ Replacement	☐ Yes
F							☐ Repaired, ☐ Replaced,	□ No
	i	I		į	Į.		☐ Replacement	☐ Yes

7.	Description of Work Cut out and replaced valve.	
8.	Tests Conducted:Hydrostatic ☐ Pneumatic ☐ Nom. Operating Press. ☑ Other ☐ Exe	∍mptĺ
9.	Pressure 62 psig Test Temp. 60 °F Pressure psig Test Temp. °F Pressure psig Test Temp. °F Remarks Functional performed per task 32.	
	(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  Signed FL Grass Jr, QA Tech Specialist  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 3-10-08 to 5-8-08; and state that to the best of my 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 injuryor property damage or a loss of any kind arising from or connected with this inspection.  Provided The Inspector's Signature Commissions NC1524, N-1 National Board, State, Province and Endorsements Date 5-8-0, 2008	

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

Pg. 1 of 2

1.	Manufactured and co	ertified by	CRANE I	Nuclear, Inc., 860 Rer	mington Boul	evard, Bolingbi cala Holder)	ook, IL 6044	10 /	
2.	Manufactured for	Duke Energy Corpora	tion, PO B	lox 1006, Charlotte, N	IC 28201-10	15			
				(name and addre	ss of purchasor)			-	
3.	Location of installation	on McGulre Nuclear	Station, 1	3225 Hagers Ferry R (name i	d. HWY 73, I and address)	Huntersville, No	NC 28078-8985 V		
4.	Model No., Series No	o., or Type5202	-WE-\$PL	Drawing	CC04304	Rev	C CRN	N/A	
5.	ASME Code, Section	n ill, Division 1:	1998 (adition)	2000 (addenda da	(e)	(class)	(Code	 = Case no.)	
6.	Pump or valve	Gate Valve		Nominal Inlet size	8"	Outlet siz	ze	8*	
7.	Material:								
	(a) valve Body (b) pump Casling	SA216 WCB✓	Bonnet Çover	SA216 WCBV	Disk Bolling _	SA351 CF8M	Bolling	SA193 87 SA194 2H	
	(a)	(b)		(c)	(d			e)	
	Cert.	Nati	!	Body/Casing	Bonnet			lsk	
	Holder's	Board		Serial	Sei			erial	
	Serial No.	No.		No.	N	J.	1	lo.	
	D7264	N/A		D7201 V	D7:	215	D7	217	
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Supplemental information in the form of lists, sketches, or drawings may be used provided (1) size to 8 % x 11, (2) information in items 1 through 4 on this Data Report is included on each sheet. (3) each sheet is numbered and the number of sheets is recorded at the top of this form.

	FORM NPV-1 (Back	() Pg. 2 of 2	•	
	Cer	tificate Holder's Serial No.	D7264 ✓	
8 Design conditions 135 psi (pressure		or valve pressure class		(1)
9. Cold working pressure	285 / psl at 100°F			
10. Hydrostatic test 450	psl. Disk differentia	l lest pressure	315 / psi	
11. Remarks: <u>Bonnet Stud Heat Co</u> <u>By-Pass Piping: SA106 GR B. Ht. #</u> <u>By-Pass Piping Valve S/N: 071171-</u> <u>PO No. 00091378 PO Item # 0003.</u> <u>CNI S/O 31377-01</u>	12 🗸	Code: 1H65 : SA105, HL #: 77230		
	CERTIFICATION OF DESI	3N		
Design Specifications cartified by	James Lamb, Jr.	P.E. State NC F	leg, no. <u>6005</u>	
Design Report certified by	N/A	P.E. State N/A F	Reg. no. N/A	
,				
	CERTIFICATE OF COMPLIA	NCE		
We certify that the statements made in this of the ASME Code, Section III, Division 1.	report are correct and that this pu	mp or valve conforms to the	rules for construction	
N Certificate of Authorization No.	N-2899	Expires September 24	1, 2008	
Dale <u>03/10/08</u> Name	CRANE Nuclear, Inc. (N Cartificate Holder)		Kurowski, P.E. surence Engineer	
	CERTIFICATE OF INSPECT	ION		
	and employed by spected the pump, or valve, desc and belief, the Certificate Holder i	HSBC1 Ibed in this Data Report on	March 10, 2008	
By signing this certificate, noither the inspe component described in this Data Report any personal injury or properly damage or i	Furthermore, neither the inspector	nor his employer shall be li	able in any manner for	)

5.8.08 KN 21

Illinois 1005
(Nat'l. Bd. (incl. endorsements) and state or prov. and no.)

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

1.	Owner Address:		Power Company  Church Street, Charlotte,	NC 28201-1006_							ebruary 25, 2008
2.	Plant Address:		uire Nuclear Station 0 Hagers Ferry Road, Hunt	ersville, NC 28078							
2a.	Unit: □1	□3	□Shared (specify Units _		)					•	
3.	Work Performed B Address:		ke Power Company 3 S. Church Street, Charlot	te NC 28201-1006				За.	Work Order #:	1785753 Repair Organization	
	Type Code Symbo	ol Stam	p: <u>N/A</u> Authorization No. <u>N</u>	V/A Expiration Date: N/	<u>A</u> .			3b.	NSM or MM #:_	MD10046	51
4.	(a) Identification of	of Syste	em: RN - Nuclear Service	Water		4. (b) Class	of System:	С			
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 Co	ompone	ents:	•			•				
	Column 1		Column 2	Column 3	(	Column 4	Colum	ın 5	Col 6	Column 7	Column 8

	Column 1	Column 2	Column 3	Column 4	Column 5	Col 6	Column 7	Column 8
	Name of Component	Name of Mfg	Mfg Serial No.	National Board No.	Other Identification	Year Built	Corrected, Removed, or Installed	ASME Code Stamped (yes or no)
Α	2RN404	Crane	D5481	N/A	Utc# 1819769	2006	☐ Repaired, ☐ Replaced,	□ No
						ļ	☑ Replacement	☑ Yes
В	2RN409	Crane	D5894	N/A	Utc# 1832819	2006	☐ Repaired, ☐ Replaced, ☑ Replacement	□ No ☑ Yes
C		-					☐ Repaired, ☐ Replaced,	□No
							☐ Replacement	☐ Yes
D							<ul><li>☐ Repaired,</li><li>☐ Replaced,</li><li>☐ Replacement</li></ul>	□ No · Yes
Ε							☐ Repaired, ☐ Replaced, ☐ Replacement	□ No □ Yes
F							☐ Repaired, ☐ Replaced, ☐ Replacement	□ No

	Description of Work <u>Added piping and new valves 2RN404 and 2RN409 per MD</u> 0461.
8.	Tests Conducted:Hydrostatic ☐ Pneumatic ☐ Nom. Operating Press. ☑ Other ☐ Exempt☐
	Pressure <u>62</u> psig Test Temp. <u>63</u> °F Pressurepsig Test Temp°F
9.	Pressurepsig Test Temp°F Remarks Test performed per procedure MP/0/A/7650/076.
	(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  Signed FL Grass Jr, QA Tech Specialist  Date 2/24/2008
	Owner or Owner's Designee, Title
	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 1-2.3-08 to 2-26-08, and state that to the best of my 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.    Overland State   NC1524, N-1   National Board, State   Province and Endorsements

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

	orrected NPV-1						Fy. 1012
1.	Manufactured and certil	fied	CRANE Nudear, l	nc., 860 Remingtor	n Boulevard, Bolin	gbrook, IL 604	40
	•,			(name and address of	N Certificate Holder)		
2.	Manufactured for	Duke Energy Corp	oration, PO Box 1	006, Charlotte, NC			
3.	Location of installation	McGuire Nucl	ear Station, 13225	Hagers Ferry Rd.	HWY 73, Huntersy	rille, NC 28078-	8985
4.	Model No., Series No., o	or Type 47-1	/2UF-SPL	Drawing	CC03984	Rev. C	CRN N/A
<b>5</b> .	ASME Code, Section III,	, Division 1:	1998	20 (addi		3(class)	N/A (Code Case no.)
6.	Pump or valve	Gate Valve	Non	ninal inlet size	6 Out	et size	6 (in.)
<b>. 7.</b>	Material:						
	(a) valve Body _	SA351 CF8M	Bonnet SA351	CF8M Disk	SA351 CF8M	Bolting	SA193 B8M SA194 8M
	(b) pump Casting _		Cover	Boltin	ng	·	
	(a) Cert. Holder's Serial No.	(b) Nat'l Board No.	\$e	c) Casing mal lo.	(d) Bonnet/Cover Serial No.		(e) Disk Serial No.
_	D5481	N/A	<u>D5</u>	406 /	D5412		D5420
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This form (E00037) may be obtained from the Order Dept. ASME, 22 Law Drive, Box 2300, Fairfield, NJ 07007-2300.

Rfani.

<sup>\*</sup> Supplemental information in the form of lists, sketches, or drawings may be used provided (1) size is 8 % x 11, (2) information in items 1 through 4 on this Data Report is included on each sheet. (3) each sheet is numbered and the number of sheets is recorded at the top of this form.

### FORM NPV-1 (Back) --- Pg. 2 of 2

	Ceruncate Hoto	er's Serial No.	D548	
8 Design conditions 135 (pressure	psi 150	<del></del> '	essure dass	
9. Cold working pressure	275 psi at 100	F		
10. Hydrostatic test 425	psi. Disk diffe	rential test pressure	305	psi
	name from James to Jess	9.		<del></del>
PO No. DP20357, PO Item 0040, Du CNI SO No. 28451-04	ke Ilem No. 1MV-556		·	
•	CERTIFICATION OF	DESIGN		
Design Specifications certified by	*Jesse M. Hawkins	P.E. State NC	Reg. no.	20159
Design Report certified by	N/A	P.E. State N/A	Reg. no.	N/A
	CERTIFICATE OF COM	DUANCE		
of the ASME Code, Section III, Division 1.  I Certificate of Authorization No.	N-2899		etember 24, 2008	20.000
ate 08/09/06 Name	CRANE Nuclear, Inc. (N Certificate Holder)	Signed (ng)	Joseph P. Hii QA E	ingineer
	CERTIFICATE OF INSP	ECTION		
		oard of Boller and Pres	sure Vessel Inspe	otom and the
			BCT	ciois and the
ate or Province of Illinois Hartford, CT have inspected	and employed by the pump, or valve, describ	HS ped in this Data Report	BCT ton Augus	09, 2006 .
tate or Province of Illinois Hartford, CT have inspected and state that to the best of my knowledge a	and employed by the pump, or valve, describ	HS ped in this Data Report	BCT ton Augus	09, 2006 .
	and employed by the pump, or valve, describ and belief, the Certificate Ho or nor his employer makes arthermore, neither the insp	HS  bed in this Data Report  clider has constructed the  any warranty, expresse  ector nor his employer	SBCT  t on August his pump, or valve and or implied, cond shall be liable in a	09, 2006
tate or Province of Illinois  Hartford, CT have inspected and state that to the best of my knowledge a fith the ASME Code, Section III, Division 1.  The signing this certificate, neither the inspector omponent described in this Data Report. Further states are possible to the significant of the sig	and employed by the pump, or valve, describ and belief, the Certificate Ho or nor his employer makes arthermore, neither the insp	HS  bed in this Data Report  clider has constructed the  any warranty, expresse  ector nor his employer	SBCT  t on August his pump, or valve and or implied, cond shall be liable in a	09, 2006

(1) For manually operated valves only.

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

Pg. 1 of 2

				(name and	address.of N	Cartificate Hold	er)	· · · · · · · · · · · · · · · · · · ·	
2. Manufacture	d for	Duke Energy C	orporation. PC	9 Box 1006, Cha	dotte NC	28201-1015			
				(name.a	nd address of	purchaser)	<del></del>	·	
3. Location of in	stallation	McGuire N	uclear Station,	13225 Hagers f	erry Rd. H	WY 73, Hur	lersville, NC	28078-89	185
			,		(name and ac	ldress)			
4. Model No., Se	eries No., o	r Type 4	7-1/2UF-SPL	Qi	awing	CC0407	2 Rev.	<u>B</u>	CRN N/A
5 ACME 0-4-	C	Objection 4.	/		/		; ,	. 29	<b>.</b>
5. ASME Code.	, Section III,	Division 1:	1998 (edition)	<del>-</del>	200 (adder	da	(dass)		(Code Çase no.)
•					date	)			/.
<ol> <li>Pump or valv</li> </ol>	/e	Gate V	alve	_ Nominal inlet	size _	(ln.)	Outlet size		6 (in.)
7. Material:	, .								
						·	<i>f</i>		· •
ু (a) valve	Body : : ✓	SA216 WCB	Bonnet V	SA216 WCB	Disk	SA351	CF8M	Bolting ' \	SA193 B7 SA194 2H
1			•			V		Doming 1	1 0 1 1 1 1 1
	Casting -		Cover		Boltin		· .		
(a) Cert.		(b) Nat'i		(c) Body/Casing		(d) Bonnet/Co	ver	•	(e) Disk
Holders		<ul> <li>Board</li> </ul>		Serial		Senal			Seriäl
Serial No.		No.		No.		No.			No.
D5892		N/A		D5896		D5908	- <del></del>		5916
D5893 D5894	· · ·	N/A N/A		D5897 D5898		✓D5909 ✓D5910			)5917 )5918
D5895		N/A		D5899		✓D5911		0	5919
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This form (E00037) may be obtained from the Order Dept. ASME, 22 Law Drive, Box 2300, Fairfield, NJ 07007-2300.

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<sup>\*</sup> Supplemental information in the form of lists, sketches, or drawings may be used provided (1) size is 8 ½ x 11, (2) information in items 1 through 4 on this Data Report is included on each sheet. (3) each sheet is numbered and the number of sheets is recorded at the top of this form.

### FORM NPV-1 (Back) --- Pg. 2 of 2: Certificate Holder's Serial No. D5892 through D5895 Design conditions \*F or valve pressure dass (temperature). Cold working pressure psi at 1001F 10. Hydrostatic test Disk differential test pressure Remarks: PO No. 00001637, PO Item 0007, Duke Item No. 1MV-565 CNI SQ No. 29401-01 Bolting Studs Ht. # 230113/Nuts Ht. # B87035 **CERTIFICATION OF DESIGN** Design Specifications certified by P.E. State - NC P.E. State .....N/A .... Reg. no. Design Report certified by --CERTIFICATE OF COMPLIANCE. : www.carufy that the stazzaments made in this report are correct and that this pump or valve conforms to the rules for construction of the ASME Code, Section 11, Division 1. (A Certificate of Authorizanie 1 No. Expires September 24, 2008 CRANE Nuclear Inc CERTIFICATE OF INSPECTIONS The undersigned, holding a valid commission issued by the National Board of Briter and Pressure Messel Inspectors and the Illinois and employed by have inspected the pump, or valve, described in this Data Report on and state that to the best of my knowledge and belief, the Certificate Holder has constituted, the pump, or valve, in accordance with the ASME Code, Section III, Division 1. By signing this certificate, neither the inspector nor his employer makes any warranty; expressed perimplied, concerning the companent described in this Data-Report. Furthermore inelther the inspector nor his employer shall be liable in any manner for any personal injury or property damage octors of any kind adving/from or consected/writh this inspection.

(1) For manually operated valves only.

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ents) and state or prov. and no.)

# FORM NIS-2 OWNER'S REPOR... OR REPAIR / REPLACEMENT ACTIVITY As Required By The Provisions Of The ASME Code Section XI

			-						
1.	Owner Address:	Duke Power Company	: 1		·		• :	1a. Date <u>March 25, 20</u>	800
	·	526 S. Church Street, Charlotte, NC	<u> 28201-1006</u>					Sheet <u>1</u> of <u>1</u>	
2.	Plant Address:	McGuire Nuclear Station		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1					
	.:	12700 Hagers Ferry Road, Huntersy	ille, NC 28078				<i>.</i>		
2a.	Unit: □1 ☑2	□3 □Shared (specify Units	· · · · · · · · · · · · · · · · · · ·	)					
3.	Work Performed B Address:	y: <u>Duke Power Company</u> 526 S. Church Street, Charlotte No	C 28201-1006			За.	Work Order #:_	1801758 Repair Organization Job #	<del></del>
	Type Code Symbo	ol Stamp: <u>N/A</u> Authorization No. <u>N/A</u> E	xpiration Date: N	<u>I/A</u>	· .	3b.	NSM or MM #:_	N/A	· 
4.	(a) Identification	of System: <u>KC – Component Cooling</u>	<u> </u>	4.	(b) Class of System:	<u> </u>	••••••••••••••••••••••••••••••••••••••		
5.		nstruction Code: <u>ASME III</u> 19 <u>71</u> Editio				rough	2000 Addenda fo	Code Cases or Class MC and CC and the	eir support
6	Identification of Co	omnonente:	•						

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)
Α	2MCA-KC-3332	Duke Power	3617	N/A	N/A	N/A	☐ Repaired, ☑ Replaced, ☐ Replacement	☑ No □ Yes
В	2MCA-KC-3332	Duke Power	017	N/A	N/A	N/A	☐ Repaired, ☐ Replaced, ☑ Replacement	☑ No □ Yes
O		And the second	4.				☐ Repaired, ☐ Replaced, ☐ Replacement	□ No
D							☐ Repaired, ☐ Replaced, ☐ Replacement	□ No □ Yes
Е							☐ Repaired, ☐ Replaced, ☐ Replacement	□ No □ Yes
F							☐ Repaired, ☐ Replaced, ☐ Replacement	□ No □ Yes

7.	Description of Work Replaced snubber.
8.	Tests Conducted:Hydrostatic ☐ Pneumatic ☐ Nom. Operating Press. ☐ Other ☐ Exempt⊠
<i>11.</i>	Pressurepsig Test Temp°F Pressurepsig Test Temp°F
9.	Pressurepsig Test Temp°F Remarks
	(Applicable Manufacturer's Data Reports to be attached)
	CERTIFICATE OF COMPLIANCE  I certify that the statements made in the report are correct and this conforms to the requirements of the ASME Code, Section XI.  Type Code Symbol Stamp N/A Certificate of Authorization No. N/A  Signed FL Grass Jr, QA Tech Specialist Owner or owner's Designee, Title  Date 1/25/2008
	CERTIFICATE OF 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 3-19-08 to 3-25-08; and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of ASME Code, Section XI.  By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection.
	Inspector's Signature  National Board, State, Province and Endorsements
	Date 3 - 25 : 2008

# FORM NIS-2 OWNER'S REPOR. . OR REPAIR / REPLACEMENT ACTIVITY As Required By The Provisions Of The ASME Code Section XI

1.	Owner Address:	Duke Power Company	1a. Date <u>April 6, 2008</u>
		526 S. Church Street, Charlotte, NC 28201-1006	Sheet <u>1</u> of <u>1</u>
2.	Plant Address:	McGuire Nuclear Station	
		12700 Hagers Ferry Road, Huntersville, NC 28078	
2a.	Unit: □1 ☑2	□3 □Shared (specify Units)	
3.	Work Performed B		
	Address:	526 S. Church Street, Charlotte NC 28201-1006	Repair Organization Job #
	Type Code Symbol	Stamp: N/A Authorization No. N/A Expiration Date: N/A 3b. NSM or MM #:	N/A
4.	(a) Identification o	f System: RN - Nuclear Service Water 4. (b) Class of System: C	
5.		nstruction Code: ASME III 1971 Edition, Summer and Winter Addenda, N/A	Code Cases
	(b) Applicable Edi	tion of Section XI Utilized for Repair / Replacement Activity: 1998, 2000 Addenda (1998 through 2000 Addenda fo	r Class MC and CC and their supports)
6.	Identification of Co	mponents:	•

	Column 1	Column 2	Column 3	Column 4	Column 5	Col 6	Column 7	Column 8
	Name of Component	Name of Mfg	Mfg Serial No.	National Board No.	Other Identification	Year Built	Corrected, Removed, or Installed	ASME Code Stamped (yes or no)
Α	2MCA-RN-3019	Duke Power	3128	N/A	N/A	N/A	☐ Repaired, ☑ Replaced, ☐ Replacement	☑ No □ Yes
В	2MCA-RN-3019	Duke Power	8515	N/A	N/A	N/A	☐ Replacement ☐ Replaced, ☐ Replacement	☑ No ☐ Yes
С							☐ Repaired, ☐ Replaced, ☐ Replacement	□ No
D					·		☐ Repaired, ☐ Replaced, ☐ Replacement	□ No
E	·		·				☐ Repaired, ☐ Replaced, ☐ Replacement	□ No
F		·					☐ Repaired, ☐ Replaced, ☐ Replacement	□ No □ Yes

1988 W. .

7.	Description of Work Replaced snubber.
8.	Tests Conducted:Hydrostatic ☐ Pneumatic ☐ Nom. Operating Press. ☐ Other ☐ Exempt⊠
9.	Pressurepsig Test Temp°F Pressurepsig Test Temp°F Pressurepsig Test Temp°F Remarks
	(Applicable Manufacturer's Data Reports to be attached)
	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  Signed ————————————————————————————————————
	CERTIFICATE OF INSERVICE INSPECTION  I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of North Carolina and employed by HSB CT have inspected the components described in this Owner's Report during the period 3-28-08 to 4-2-08; and state that to the best of my 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.    Mational Board, State, Province and Endorsements   Date 4-7-2008

## FORM NIS-2 OWNER'S REPOR. -OR REPAIR / REPLACEMENT ACTIVITY As Required By The Provisions Of The ASME Code Section XI

		•					
1.	Owner Address:	Duke Power Company	e*			•	1a. Date <u>04/04/2008</u>
		526 S. Church Street, Charlotte, NC 28201-1006	· _				Sheet _ 1 _ of _1
2.	Plant Address:	McGuire Nuclear Station	<del></del>	ę.			
		12700 Hagers Ferry Road, Huntersville, NC 2807	<u>'8</u>				
2a.	Unit: □1 ⊠2	□3 □Shared (specify Units	)				·
3.	Work Performed By Address:	7: Duke Power Company 526 S. Church Street, Charlotte NC 28201-100	1 <u>6</u>			За.	Work Order # : 01802868  Repair Organization Job #
	Type Code Symbol	Stamp: N/A Authorization No. N/A Expiration Da	te: <u>N/A</u>			3b.	NSM or MM #: MD201740
4.	(a) Identification of	f System: RN Nuclear Service Water	4.	(b)	Class of System: _	С	
5.		nstruction Code: <u>ASME III</u> 19 <u>71</u> Edition, <u>Summer a</u> tion of Section XI Utilized for Repair / Replacemen				ough	Code Cases 2000 Addenda for Class MC and CC and their supports)
6.	Identification of Cor	nponents:		3 f 3 f			

	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)
Ā	Piping	Duke Energy	N/A	60	2RN	1982	<ul><li>□ Repaired,</li><li>□ Replaced,</li></ul>	□ No
ļ							⊠Replacement	⊠Yes
В			·				☐ Repaired, ☐ Replaced,	□ No
						ļ	☐ Replacement	☐ Yes
С							☐ Repaired, ☐ Replaced, ☐ Replacement	□ No □ Yes
D			.~	e esperar a enteres			☐ Repaired, ☐ Replaced,	□ No □ Yes
E		·		:			☐ Replacement ☐ Repaired, ☐ Replaced, ☐ Replacement	□ No
F							☐ Replacement ☐ Replaced, ☐ Replacement	□ No □ Yes

	Description of Work_ <u>Added 2" piping per MD201740 , Welds HN2FW57-12,13,16, 17 &amp; N2FW13-6, 7, 8, 9, 10</u>	
8.	Tests Conducted:Hydrostatic □ Pneumatic □ Nom. Operating Press. ☒ Other □Exempt	
	Pressure <u>*101.1</u> psig Test Temp. <u>*56</u> °F  Pressure <u>**101.1</u> psig Test Temp. <u>**56.2</u> °F  Pressurepsig Test Temp °F	
9. 	Remarks *Task 09 for valve 2RN-1072 at 101.1 psig & 56 °F- RN2FW57-12,13,16,17 **Task 12 for valve 2RN-1073 at 101.1 psig & 56.2 °F- RN2FW13-6,7,8,9,10	<u>7.</u> 
	(Applicable Manufacturer's Data Reports to be attached)	
7 2	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  Signed F.R. Sorrow, QA Tech Support  Owner or Owner's Designee, Title	
wast.	CERTIFICATE OF 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 3-27-08 to 4-4-08; and state that to the best of my 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.    OPERAL   War   Archiver	

# FORM NIS-2 OWNER'S REPOR. 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 <u>March 27, 2008</u> Sheet <u>1</u> of <u>1</u>
2.	Plant Address:	McGuire Nuclear Station	•
		12700 Hagers Ferry Road, Huntersville, NC 28078	
2a.	. Unit: □1 □2	□3 □Shared (specify Units)	
3.	Work Performed E Address:	y: <u>Duke Power Company</u> 526 S. Church Street, Charlotte NC 28201-1006  3a. Work Order # :	1802998 Repair Organization Job #
	Type Code Symbo	Stamp: N/A Authorization No. N/A Expiration Date: N/A 3b. NSM or MM #:	MD201697
4.	(a) Identification	of System: RN - Nuclear Service Water 4. (b) Class of System: C	
5.	(a) Applicable Co (b) Applicable Ed	nstruction Code: <u>ASME III</u> 19 <u>71</u> Edition, <u>Summer and Winter</u> Addenda, <u>N/A</u> ition of Section XI Utilized for Repair / Replacement Activity: <u>1998, 2000 Addenda</u> (1998 through 2000 Addenda for	Code Cases Class MC and CC and their supports)
6.	Identification of Co	emponents:	•

	Column 1	Column 2	Column 3	Column 4	Column 5	Col 6	Column 7	Column 8
	Name of Component	Name of Mfg	Mfg Serial No.	National Board No.	Other Identification	Year Built	Corrected, Removed, or installed	ASME Code Stamped (yes or no)
Α	2-RN-VA-285	BNL	A981103-4-21	N/A	N/A	2000	☐ Repaired, ☑ Replaced,	□ No
							☐ Replacement	☑ Yes
В	2-RN-VA-285	BNL	A981103-4-13	N/A	N/A	1999	☐ Repaired, ☐ Replaced, ☑ Replacement	□ No ☑ Yes
С							☐ Repaired, ☐ Replaced, ☐ Replacement	□ No
D				·			☐ Replacement ☐ Replaced, ☐ Replacement	□ No ·
E	·		·				☐ Repaired, ☐ Replaced, ☐ Replacement	□ No □ Yes
F				_			☐ Repaired, ☐ Replaced, ☐ Replacement	□ No □ Yes

7.	Description of Work Replaced valve
8.	Tests Conducted:Hydrostatic ☐ Pneumatic ☐ Nom. Operating Press. ☑ Other ☐ Exempt☐
9.	Pressurepsig Test Temp°F Pressurepsig Test Temp°F Pressurepsig Test Temp°F Pressurepsig Test Temp°F Remarks functional performed on task 06 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  Signed FL Grass Jr, QA Tech Specialist Owner of 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 3-2-08 to 4-4-08; and state that to the best of my 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.    Property   Property   Property   Province and Endorsements   National Board, State, Province and Endorsements   Date 4-4-205

### FORM NIS-2 OWNER'S REPOR. OR REPAIR / REPLACEMENT ACTIVITY As Required By The Provisions Of The ASME Code Section XI

			As Frequired by	THE HOVISIONS OF THE ASIV	IL CODE DECLION XI				
1.	Owner Address:	Duke Power Company 526 S. Church Street, Charlotte	, NC 28201-1006				,	opril 7, 2008 1 of 1	
2.	Plant Address:	McGuire Nuclear Station 12700 Hagers Ferry Road, Hun	tersville. NC 28078						
2a.	Unit: □1 🖾2	□3 □Shared (specify Units _		)					
3.	Work Performed By Address:	y: <u>Duke Power Company</u> 526 S. Church Street, Charlo	tte NC 28201-1006		3a. W	ork Order	#: 1805056 Repair Organization		
	Type Code Symbol	Stamp: N/A Authorization No. I	<u>V/A</u> Expiration Date: <u>1</u>	<u>V/A</u>	3b. N	SM or MM	#:N/A		
4.	(a) Identification o	f System: <u>CA - Auxilary Feed</u>	water	4. (b) Class	of System:C	<del></del>			
5.	(a) Applicable Cor (b) Applicable Edi	nstruction Code: <u>ASME III</u> 19 <u>71</u> E tion of Section XI Utilized for Rep	Edition, <u>Summer and V</u> pair / Replacement Act	Winter Addenda,tivity: 1998, 2000 Addend	N/A da_(1998 through 20	00 Adden	Code da for Class MC and	Cases d CC and their suppo	rts)
6.	Identification of Co	mponents:					•		
	Column 1	Column 2	Column 3	Column 4	Column 5	Col 6	Column 7	Column 8	
	Name of Component	Name of Mfg	Mfg Serial No.	National Board No.	Other Identification	Year Built	Corrected, Removed, or Installed	ASME Code Stamped (yes or no)	
Α	2MCA-CA-12	8 Duke Power	112	N/A	N/A	N/A	☐ Repaired,	☑ No	

	Column 1	Column 2	Column 3	Column 4	Column 5	Col 6	Column 7	Column 8
	Name of Component	Name of Mfg	Mfg Serial No.	National Board No.	Other Identification	Year Built	Corrected, Removed, or Installed	ASME Code Stamped (yes or no)
Α	2MCA-CA-128	Duke Power	112	N/A	N/A	N/A	<ul><li>□ Repaired,</li><li>☑ Replaced,</li></ul>	☑ No
						ļ	☐ Replacement	☐ Yes
В		•					☐ Repaired,	☑ No
}	2MCA-CA-128	) Duke Power	20375	N/A	N/A	N/A	☐ Replaced,	
						<u></u>	☑ Replacement	☐ Yes
C							☐ Repaired,	□ No
}	•	]				]	☐ Replaced,	
1						l	☐ Replacement	☐ Yes
D							☐ Repaired,	□ No
1		]					☐ Replaced,	,
		1					☐ Replacement	☐ Yes
E							☐ Repaired,	□No
1						1	☐ Replaced,	
							☐ Replacement	☐ Yes
F							☐ Repaired,	□No
							☐ Replaced,	]
1							☐ Replacement	☐ Yes

7.	Description of Work Replaced snubber.	
8.	Tests Conducted:Hydrostatic ☐ Pneumatic ☐ Nom. Operating Press. ☐ Other ☐ Ex	empt⊠
Ω	Pressurepsig Test Temp°F Pressurepsig Test Temp°F Pressurepsig Test Temp°F Remarks	
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  Signed FL Grass Jr,QA Tech Specialist Owner or Owner's Designee, Title	\$
	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 1-1-03 to 1-7-03; and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of ASME 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.    Commissions NC1524, N-I   National Board, State, Province and Endorsements   Date 1-7-08   Date 1-7-08   Date 1-7-08   National Board, State, Province and Endorsements   Date 1-7-08   Da	1

#### 6.0 Pressure Testing

### First Period – Third 10-Year Interval

All system pressure test requirements have been satisfied for the First Inspection Period. Some pressure test zones were completed after EOC 17 but prior to March 1, 2007, the date ending the First Period. Those pressure test zones credited for the First Period which were not listed in the Summary Report for EOC 17 are shown in Table 6-1.

Té	Table 6-1 Detailed Class 2 - 1 <sup>st</sup> Period Zones Not Listed in EOC17 Report					
	Zone Number	Boundary Dwg	Completion Status	VT-2 Examination Date		
1	2BB-040L-B	MC-ISIL-2580-01.00	1 <sup>st</sup> Period Complete	2/22/2007		
2	2CA-040L-B	MC-ISIL-2592-01.00	1 <sup>st</sup> Period Complete	. 2/21/2007		
3	2CA-043L-B	MC-ISIL-2584-01.00 1st Period Complete		2/22/2007		
	•	MC-ISIL-2591-01.01 1 <sup>st</sup> Period Comple		2/22/2007		
		MC-ISIL-2592-01.00	1 <sup>st</sup> Period Complete	2/22/2007		
		MC-ISIL-2617-01.00	1 <sup>st</sup> Period Complete	2/22/2007		
4	2FW-007L-B	MC-ISIL-2554-03.00	1 <sup>st</sup> Period Complete	1/9/2007		
		MC-ISIL-2554-03.01 1 Period Complete		1/9/2007		
		MC-ISIL-2561-01.00 1 <sup>st</sup> Period Comp		1/9/2007		
		MC-ISIL-2562-03.00 1 <sup>st</sup> Period Co		1/9/2007		
ĺ		MC-ISIL-2563-01.00	1 <sup>st</sup> Period Complete	1/9/2007		
		MC-ISIL-2571-01.00	1 <sup>st</sup> Period Complete	1/9/2007		
5	2ND-009L-B	MC-ISIL-2554-01.02	1 <sup>st</sup> Period Complete	1/17/2007		
		MC-ISIL-2561-01.00	1 <sup>st</sup> Period Complete	1/17/2007		
		MC-ISIL-2562-03.00	1 <sup>st</sup> Period Complete	1/17/2007		
		MC-ISIL-2562-03.01	1 <sup>st</sup> Period Complete	11/4/2006		
;		MC-ISIL-2563-01.00	1 <sup>st</sup> Period Complete	1/17/2007		
		MC-ISIL-2571-01.00	1 <sup>st</sup> Period Complete	1/17/2007		
		MC-ISIL-2572-01.00	1 <sup>st</sup> Period Complete	1/17/2007		
6	2ND-010L-B	MC-ISIL-2561-01.00	1 <sup>st</sup> Period Complete	12/6/2006		
		MC-ISIL-2562-03.01	1 <sup>st</sup> Period Complete	12/6/2006		
		MC-ISIL-2563-01.00	1 <sup>st</sup> Period Complete	12/6/2006		
7	2NI-015L-B	MC-ISIL-2562-03.00	1 <sup>st</sup> Period Complete	1/16/2007		
8	2NI-016L-B	MC-ISIL-2562-03.00	1 <sup>st</sup> Period Complete	2/4/2006		

				VT-2 Examination
	Zone Number	Boundary Dwg	Completion Status	Date
9	2NI-017L-B	MC-ISIL-2562-03.00	1 <sup>st</sup> Period Complete	1/16/2007
		MC-ISIL-2562-03.01	1 <sup>st</sup> Period Complete	1/16/2007
10	2NI-018L-B	MC-ISIL-2562-03.01	1 <sup>st</sup> Period Complete	1/16/2007
11	2NI-061L-B	MC-ISIL-2562-01.00	1 <sup>st</sup> Period Complete	1/30/2007
12	2NI-062L-B	MC-ISIL-2562-01.00	1 <sup>st</sup> Period Complete	1/30/2007
13	2NM-027L-B	MC-ISIL-2572-03.00	1 <sup>st</sup> Period Complete	2/21/2007
14	2NS-019L-B	MC-ISIL-2563-01.00	1 <sup>st</sup> Period Complete	1/15/2007
15	2NV-003L-B	MC-ISIL-2554-01.00	1 <sup>st</sup> Period Complete	2/21/2007
		MC-ISIL-2554-01.01	1 <sup>st</sup> Period Complete	2/21/2007
		MC-ISIL-2554-01.02	1 <sup>st</sup> Period Complete	2/21/2007
		MC-ISIL-2554-01.03	1 <sup>st</sup> Period Complete	11/8/2006
16	2NV-005L-B	MC-ISIL-2554-01.02	1 <sup>st</sup> Period Complete	11/8/2006
17	2RN-044L-B	MC-ISIL-2574-04.00	1 <sup>st</sup> Period Complete	2/21/2007
18	2SA-047L-B	MC-ISIL-2593-01.02	1 <sup>st</sup> Period Complete	2/22/2007
19	2SM-040L-B	MC-ISIL-2591-01.01	1 <sup>st</sup> Period Complete	2/21/2007
		MC-ISIL-2593-01.00	1 <sup>st</sup> Period Complete	2/21/2007
		MC-ISIL-2593-01.03	1 <sup>st</sup> Period Complete	2/21/2007

#### Second Period - Third 10-Year Interval

Table 6-2 shows the number of Class 1 (Category B-P), Class 2 (Category C-H), and Risk Informed Segment (Category R-A) pressure tests zones completed from refueling outage EOC-17 through refueling outage EOC-18. There was no through-wall leakage observed during these pressure tests.

	Table 6-2 Outage Specific Summary					
Examination Category	Test Requirement	Total Zones Completed EOC18				
B-P	System Leakage Test (IWB-5220)	1				
C-H	System Leakage Test (IWC-5220)	3 ′				
R-A	Risk Informed VT-2 for Socket Welds	66 Segments				

Table 6-3 shows a completion status for the number of pressure test zones conducted during the

second period of the third ten-year interval.

	Table 6-3 Second Period Specific Summary						
Examination Category	Test Requirement	Total Zones Required For This Period	Total Zones Credited For This Period	(%) Zones Complete For This Period			
B-P	System Leakage Test (IWB-5220)	3	1.	33.33 %			
			24				
С-Н	System Leakage Test (IWC-5220)	34	3	8.82 %			
R-A	System Leakage Test	(66 Segments Each Refueling Outage) 198 For Period	66	33.33 %			

The Class 1 (Category B-P) pressure test zone is required each refueling outage. Table 6-4 shows a completion status of the Class 1 (Category B-P) pressure test zone conducted during refueling cycle EOC18.

	Table 6-4 D	etailed Class 1	Listing
Zone Number	Boundary Dwg	EOC18 Completion Status	EOC18 VT-2 Examination Date
2NC-001L-A	MC-ISIL-2553-01.00	Complete	4/10/2008
	MC-ISIL-2553-02.00	Complete	4/10/2008
	MC-ISIL-2553-02.01	Complete	4/10/2008
	MC-ISIL-2554-01.00	Complete	4/10/2008
	MC-ISIL-2554-01.01	Complete	4/10/2008
	MC-ISIL-2554-01.02	Complete	4/10/2008
	MC-ISIL-2561-01.00	Complete	4/10/2008
	MC-ISIL-2562-01.00	Complete	4/10/2008
	MC-ISIL-2562-02.00	Complete	4/10/2008
	MC-ISIL-2562-02.01	Complete	4/10/2008
	MC-ISIL-2562-03.00	Complete	4/10/2008
	MC-ISIL-2562-03.01	Complete	4/10/2008

Class 2 (Category C-H) pressure test zones are required once each inspection period. Table 6-5 shows a completion status for the Class 2 (Category C-H) pressure tests required for the second period of the third ten-year interval.

	Table 6-5 Detailed Class 2 Second Period Listing						
	Zone Number	Boundary Dwg	Completion Status	VT-2 Examination Date			
1	2BB-040L-B	MC-ISIL-2580-01.00	Not Yet Tested	N/A			
2	2BB-074L-B	MC-ISIL-2572-03.00	Not Yet Tested	N/A			
		MC-ISIL-2580-01.00	Not Yet Tested	N/A			
		MC-ISIL-2584-01.00	Not Yet Tested	N/A			
3	2CA-040L-B	MC-ISIL-2592-01.00	Not Yet Tested	N/A			
4	2CA-043L-B	MC-ISIL-2584-01.00	Not Yet Tested	N/A			
		MC-ISIL-2591-01.01	Not Yet Tested	N/A			
		MC-ISIL-2592-01.00	Not Yet Tested	N/A			
		MC-ISIL-2617-01.00	Not Yet Tested	N/A			

	Zone	Boundary Dwg	Completion Status	VT-2 Examination Date
5	2FW-007L-B	MC-ISIL-2554-03.00	Not Yet Tested	N/A
		MC-ISIL-2554-03.01	Not Yet Tested	N/A
		MC-ISIL-2561-01.00	Not Yet Tested	N/A
	·	MC-ISIL-2562-03.00	Not Yet Tested	N/A
		MC-ISIL-2563-01.00	Not Yet Tested	N/A
		MC-ISIL-2571-01.00	Not Yet Tested	N/A
6	2ND-009L-B	MC-ISIL-2554-01.02	Not Yet Tested	N/A
		MC-ISIL-2561-01.00	Partial	3/1/2008
		MC-ISIL-2562-03.00	Not Yet Tested	N/A
		MC-ISIL-2562-03.01	Not Yet Tested	N/A
		MC-ISIL-2563-01.00	Not Yet Tested	N/A
		MC-ISIL-2571-01.00	Not Yet Tested	N/A
		MC-ISIL-2572-01.00	Not Yet Tested	N/A
7	2ND-010L-B	MC-ISIL-2561-01.00	Not Yet Tested	N/A
		MC-ISIL-2562-03.01	Not Yet Tested	N/A
	·	MC-ISIL-2563-01.00	Not Yet Tested	N/A
8	2NI-012L-B	MC-ISIL-2562-02.00	Complete	4/8/2008
		MC-ISIL-2572-01.01	Complete	4/8/2008
9	2NI-013L-B	MC-ISIL-2562-02.01	Complete	4/8/2008
		MC-ISIL-2572-01.01	Complete	4/8/2008
10	2NI-014L-B	MC-ISIL-2562-02.01	Complete	4/3/2008
		MC-ISIL-2562-03.00	Complete	4/3/2008
11	2NI-015L-B	MC-ISIL-2562-03.00	Not Yet Tested	N/A
12	2NI-016L-B	MC-ISIL-2562-03.00	Not Yet Tested	N/A
13	2NI-017L-B	MC-ISIL-2562-03.00	Not Yet Tested	N/A
		MC-ISIL-2562-03.01	Not Yet Tested	N/A_
14	2NI-018L-B	MC-ISIL-2562-03.01	Not Yet Tested	N/A
15	2NI-060L-B	MC-ISIL-2562-03.00	Not Yet Tested	N/A
16	2NI-061L-B	MC-ISIL-2562-01.00	Partial	3/7/2008
17	2NI-062L-B	MC-ISIL-2562-01.00	Not Yet Tested	N/A
18	2NM-026L-B	MC-ISIL-2572-01.01	Not Yet Tested	N/A

				VT-2 Examination
	Zone	Boundary Dwg	Completion Status	Date
19	2NM-027L-B	MC-ISIL-2572-03.00	Not Yet Tested	N/A
20	2NS-019L-B	MC-ISIL-2563-01.00 Not Yet Tested		N/A
21	2NS-020L-B	MC-ISIL-2563-01.00 Not Yet Tested		N/A
22	2NV-003L-B	MC-ISIL-2554-01.00	Partial	4/10/2008
		MC-ISIL-2554-01.01	Partial	4/10/2008
		MC-ISIL-2554-01.02	Not Yet Tested	N/A
		MC-ISIL-2554-01.03	Partial	4/10/2008
23	2NV-004L-B	MC-ISIL-1554-05.00	Not Yet Tested	N/A
	,	MC-ISIL-2554-01.00	Not Yet Tested	✓ N/A
		MC-ISIL-2554-01.01	Partial	4/11/2008
		MC-ISIL-2554-01.02	Not Yet Tested	N/A
		MC-ISIL-2554-02.00	Not Yet Tested	N/A
		MC-ISIL-2554-02.01	Not Yet Tested	N/A
		MC-ISIL-2554-03.00	Partial	4/11/2008
		MC-ISIL-2554-03.01	Partial	4/11/2008
		MC-ISIL-2561-01.00	Partial	4/11/2008
		MC-ISIL-2562-01.00	Complete	4/11/2008
		MC-ISIL-2562-03.00	Partial	4/11/2008
24	2NV-005L-B	MC-ISIL-2554-01.02	Partial	4/10/2008
25	2NV-006L-B	MC-ISIL-2554-03.00	Partial	4/29/2008
26	2NV-008L-B	MC-ISIL-2554-01.02	Not Yet Tested	N/A
27	2NV-011L-B	MC-ISIL-2554-03.01	Partial	4/11/2008
28	2RN-044L-B	MC-ISIL-2574-04.00	Partial	4/3/2008
29	2RV-048L-B	MC-ISIL-2604-03.00	Partial	3/6/2008
30	2SA-047L-B	MC-ISIL-2593-01.02	Not Yet Tested	N/A
31	2SM-040L-B	MC-ISIL-2591-01.01	Not Yet Tested	N/A
	·	MC-ISIL-2593-01.00	Not Yet Tested	N/A
		MC-ISIL-2593-01.03	Not Yet Tested	N/A
32	2SM-045L-B	MC-ISIL-2593-01.00	Not Yet Tested	N/A
		MC-ISIL-2593-01.02	Not Yet Tested	N/A
		MC-ISIL-2593-01.03	Not Yet Tested	N/A

	Zone	Boundary Dwg	Completion Status	VT-2 Examination Date
33	2SM-046L-B	MC-ISIL-2593-01.00	Not Yet Tested	N/A
		MC-ISIL-2593-01.03	Not Yet Tested	N/A
34	2YA-063L-B	MC-ISIL-2617-01.00	Not Yet Tested	N/A

Risk Informed Segments (Category R-A) that receive a pressure test are required each refueling outage. Table 6-6 shows a completion status of the Risk Informed Segment pressure test zones conducted during refueling cycle EOC18.

		Table 6-6 Detailed Ri	isk Informed Pr	essure Test Listi	ng
	Zone		Segment	EOC18 Completion	EOC18 VT-2
	Number	Boundary Dwg	Number	Status	<b>Examination Date</b>
1	2NC-001L-A	MC-ISIL-2553-01.00	NC-18	Complete	4/10/2008
2			NC-19	Complete	4/10/2008
3	·		NC-20	Complete	4/10/2008
4			NC-21	Complete	4/10/2008
5			NC-23	Complete :	4/10/2008
6			NC-86 <sup>1</sup>	Complete	4/10/2008
7			NC-89	Complete	4/10/2008
8			NC-90	Complete	4/10/2008
9		MC-ISIL-2553-02.00	NC-054	Complete	4/10/2008
10			NC-055	Complete	4/10/2008
11			NC-056	Complete	4/10/2008
12		MC-ISIL-2554-01.00	NV-033A	Complete	4/10/2008
13			NV-033B	Complete	4/10/2008
14			NV-034A	Complete	4/10/2008
15			NV-034B	Complete	4/10/2008
16			NV-037	Complete	4/10/2008
17			NV-038	Complete	4/10/2008
18			NV-041A	Complete	4/10/2008
19			NV-041B	Complete	4/10/2008
20			NV-042A	Complete	4/10/2008
21			NV-042B	Complete	4/10/2008

<sup>&</sup>lt;sup>1</sup> Part of this segment is also shown on drawing MC-ISIL-2553-02.01.

				EOC18	,
	Zone		Segment	Completion	EOC18 VT-2
	Number	Boundary Dwg	Number	Status	<b>Examination Date</b>
22	2NC-001L-A	MC-ISIL-2554-01.01	NV-030A	Complete	4/10/2008
23			NV-030B	Complete	4/10/2008
24			NV-032A	Complete	4/10/2008
25		·	NV-032B	Complete	4/10/2008
26			NV-035	Complete	4/10/2008
27			NV-036	Complete	4/10/2008
28			NV-039A	Complete	4/10/2008
29			NV-039B	Complete	4/10/2008
30		,	NV-040A	Complete	4/10/2008
31		:	NV-040B	Complete	4/10/2008
32		MC-ISIL-2562-01.00	NI-068	Complete	4/10/2008
33			NI-069	Complete	4/10/2008
34			NI-070	Complete	4/10/2008
35		,	NI-071	Complete	4/10/2008
36	2ND-009L-B	MC-ISIL-2561-01.00	ND-008C	Complete	3/1/2008
37			ND-009C	Complete	3/1/2008
38	2NI-061L-B	MC-ISIL-2562-01.00	NI-063B	Complete	3/7/2008
39	2NV-003L-B	MC-ISIL-2554-01.03	2NV026 <sup>2</sup>	Complete	4/10/2008
40			2NV027 <sup>3</sup>	Complete	4/10/2008
41			NV-028 <sup>3</sup>	Complete	4/10/2008
42			NV-029 <sup>4</sup>	Complete	4/10/2008
43	2NV-004L-B	MC-ISIL-2554-01.01	NV-020AD	Complete	4/11/2008
44		MC-ISIL-2554-03.00	NV-019AA <sup>4</sup>	Complete	4/11/2008
45			NV-019AB	Complete	4/11/2008
46			NV-019AD	Complete	4/11/2008
47			NV-019B	Complete	4/11/2008
48			NV-019D	Complete	4/11/2008
49			NV-020AA	Complete	4/11/2008
50			NV-020AB	Complete	4/11/2008
51		·	NV-020AE	Complete	4/11/2008
52			NV-021A	Complete	4/11/2008
53			NV-021B	Complete	4/11/2008
54		MC-ISIL-2554-03.01	NV-002AB <sup>5</sup>	Complete	4/11/2008
55	·	,	NV-002D	Complete	4/11/2008
56			NV-019C	Complete	4/11/2008
57			NV-019E	Complete	4/11/2008
58	2NV-005L-B	MC-ISIL-2554-01.02	NV-080A	Complete	4/10/2008
_59			NV-080B	Complete	4/10/2008

 $<sup>^2</sup>$  Part of this segment is also shown on drawing MC-ISIL-2554-01.01.  $^3$  Part of this segment is also shown on drawing MC-ISIL-2554-01.00.

<sup>&</sup>lt;sup>4</sup> Part of this segment is also shown on drawing MC-ISIL-2554-03.01. <sup>5</sup> Part of this segment is also shown on drawing MC-ISIL-2554-03.00.

	Zone Number	Boundary Dwg	Segment Number	EOC18 Completion Status	EOC18 VT-2 Examination Date
60	2NV-005L-B	MC-ISIL-2554-01.02	NV-084A	Complete	4/10/2008
61			NV-084B	Complete	4/10/2008
62	,		NV-084C	Complete	4/10/2008
63	2NV-006L-B	MC-ISIL-2554-03.00	NV-002C <sup>6</sup>	Complete	4/29/2008
64			NV-108A <sup>6</sup>	Complete	4/29/2008
65			NV-109 <sup>6</sup>	Complete	4/29/2008
66_	2NV-011L-B	MC-ISIL-2554-03.01	NV-011A <sup>7</sup>	Complete	4/11/2008

Section 6 Prepared By:	Date:
Jin Bayaman	5-21-08
0 0	

Section 6 Reviewed By	Date:
1 Cadmil	3-21-08

 $<sup>^6</sup>$  The NV PD Pump was out of service during outage 2EOC-18 (ref. PIP M-08-1705). Therefore, RI Segments NV-002C, NV-008A and NV-109 were tested when the pump was placed in service for fuel cycle 2EOC-19.

 $<sup>^{7}</sup>$  Part of this segment is also part of zone 2NV-004L-B.