

INSERVICE INSPECTION SPECIAL REPORT FOR PRESSURE TESTING

UNIT 2 CATAWBA 1996 REFUELING OUTAGE 7 - 1st TEN YEAR INSPECTION INTERVAL

Location: 4800 Concord Road, York, South Carolina

NRC Docket No. 50-414

National Board No. 173

Commercial Service Date: August 19, 1986

Owner: Duke Power Company
526 South Church Street
Charlotte, N. C. 28201-1006

Revision 0

NOTE: This is a special summary report for the remaining Pressure Test items that were completed prior to the end of the first ten year inspection interval but not included in the Inservice Inspection Outage 7 Report, Revision 0, Dated 02/26/96.

Prepared By: J.M. Baughman Date: 6/27/96
Reviewed By: E.J. Hodge Jr. Date: 6/27/96
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1.0 General Information

This is a special report that describes Duke Power Company's Catawba Nuclear Station Unit 2 Pressure Tests performed after Refueling Outage 7 but before the expiration of the first ten year Inservice Inspection Interval.

Included in this report are the final Inservice Inspection Plan, the inspection results for each item, a summary for each category of examination and corrective action taken when unacceptable conditions were found.

1.1 Identification Numbers

Item	Manufacturer or Installer	Manufacturer or Installer Serial No.	State or Province No.	National Board No.
Refueling Water System	Duke Power Co.	C-2FW	N/A	141
Safety Injection System	Duke Power Co.	C-2NI	N/A	172
Containment Spray System	Duke Power Co.	C-2NS	N/A	118
Chemical and Volume Control System	Duke Power Co.	C-2NV	N/A	170

1.2 Authorized Nuclear Inservice Inspector(s)

Name: R. N. McGill

Employer: The Hartford Steam Boiler Inspection & Insurance Company

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

2.0 Summary of Inservice Inspection Pressure Tests Examinations To Complete First Ten Year Inspection Interval Requirements

The information shown below provides an abstract of ASME Section XI Class 2 Pressure Test Items performed after Refueling Outage 7 but before the expiration of the first ten year Inservice Inspection Interval.

Examination Category C-H All Pressure Retaining Components

<i>Item Number</i>	<i>Description</i>	<i>Total Scheduled During Outage</i>	<i>Total Examined During Outage</i>
	<i>Pressure Vessels</i>		
C07.010	Pressure Retaining Components	0	0
C07.020	Pressure Retaining Components	*3	*3
	<i>Piping</i>		
C07.030	Pressure Retaining Components	0	0
C07.040	Pressure Retaining Components	9	9
	<i>Pumps</i>		
C07.050	Pressure Retaining Components	0	0
C07.060	Pressure Retaining Components	1	1
	<i>Valves</i>		
C07.070	Pressure Retaining Components	Covered in C07.030	Covered in C07.030
C07.080	Pressure Retaining Components	Covered in C07.040	Covered in C07.040
Totals		13	13

A detailed description of each examination listed in above is located in Section 4 of this report. Results of each examination are located in Section 5 of this report.

* Two of the three tanks were included in Request For Relief (95-04) for the Containment Valve Injection Water System (NW). The station opted not to invoke Request For Relief (95-04) and decided to follow the ASME Code. Therefore, these tanks are included as part of the summary.

3.0 First Ten Year Interval Pressure Test Inspection Status

The completion status of Pressure Test inspections required by the 1980 ASME Code, Section XI, including Addenda through Winter 1981, 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, in Table IWC-2500-1 for Class 2 Inspections.

Class 1 Inspections

<u>Examination Category</u>	<u>Description</u>	<u>Inspections Required</u>	<u>Inspections Completed</u>	<u>Percentage Completed</u>	<u>ⁱDeferral Allowed</u>
B-E	Pressure Retaining Partial Penetration Welds in Vessels	165 Welds	165 Welds	100%	No
B-P	All Pressure Retaining Components				
	System Leakage Test	120 Components	120 Components	100%	No
	System Hydrostatic Test	20 Components	20 Components	100%	Yes

Class 2 Inspections

<u>Examination Category</u>	<u>Description</u>	<u>Inspections Required</u>	<u>Inspections Completed</u>	<u>Percentage Completed</u>	<u>ⁱⁱDeferral Allowed</u>
C-H	All Pressure Retaining Components				
	System or Component Functional Test	70 Components	70 Components	100%	No
	System Hydrostatic Test	95 Components	95 Components	100%	Yes

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

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

4.0 *Final Inservice Inspection Pressure Testing Plan To Complete First Ten Year Inspection Interval.*

The final ISI Plan presented in this section lists all Pressure Test examinations credited for completing the inspection interval for Catawba Unit 2

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

Item No.	=	ASME Section XI Tables IWC-2500-1 (Class 2)
Drawing	=	Detail Drawing of Inspection Boundary
Rev	=	Revision of Detail Drawing
Test	=	Type of Pressure Test
FCA No.	=	Field Change Authorization Number (Plan Addendum Number)
System Name	=	Name of Pressure Retaining Component
Req. Insp	=	Type of Visual Examination Required
Req. Proc	=	Required Inspection Procedure
Comments	=	General and/or Detail Description

CATAWBA UNIT NUMBER 2 - 1st INTERVAL
CLASS B (CATEGORY C-H) REQUIREMENTS
FOR OUTAGE NUMBER 7

ITEM NO.	DRAWING	REV	TEST	FCA NO.	SYSTEM NAME	REQ. INSP	REQ. PROC	COMMENTS
C07.020.022	CN-2571-1.0	08	HYDRO	CAT2-0168	REFUEL STR WTR VT-2 TANK		QAL-15	Special EOC7 Summary Report Item
C07.020.025	CN-2569-1.0	09	HYDRO	CAT2-0168	C/VLV INJ W SR VT-2 CM 2A		QAL-15	Special EOC7 Summary Report Item
C07.020.026	CN-2569-1.0	09	HYDRO	CAT2-0168	C/VLV INJ W SR VT-2 CM 2B		QAL-15	Special EOC7 Summary Report Item
C07.040.007	CN-2554-1.2	08	HYDRO	CAT2-0168	NV SYSTEM	VT-2	QAL-15	Special EOC7 Summary Report Item
C07.040.008	CN-2554-1.3	07	HYDRO	CAT2-0168	NV SYSTEM	VT-2	QAL-15	Special EOC7 Summary Report Item
C07.040.011	CN-2554-1.6	07	HYDRO	CAT2-0185	NV SYSTEM	VT-2	QAL-15	Special EOC7 Summary Report Item
C07.040.015	CN-1556-1.0	07	HYDRO	CAT2-0168	NB SYSTEM	VT-2	QAL-15	Special EOC7 Summary Report Item
C07.040.024	CN-2562-1.2	11	HYDRO	CAT2-0185	NI SYSTEM	VT-2	QAL-15	Special EOC7 Summary Report Item
C07.040.025	CN-2562-1.3	05	HYDRO	CAT2-0185	NI SYSTEM	VT-2	QAL-15	Special EOC7 Summary Report Item
C07.040.027	CN-2563-1.0	09	HYDRO	CAT2-0185	NS SYSTEM	VT-2	QAL-15	Special EOC7 Summary Report Item
C07.040.037	CN-2570-1.0	07	HYDRO	CAT2-0168	KF SYSTEM	VT-2	QAL-15	Special EOC7 Summary Report Item
C07.040.038	CN-2571-1.0	08	HYDRO	CAT2-0185	FW SYSTEM	VT-2	QAL-15	Special EOC7 Summary Report Item

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CATAWBA UNIT NUMBER 2 - 1st INTERVAL
CLASS B (CATEGORY C-H) REQUIREMENTS
FOR OUTAGE NUMBER 7

<u>TEST NO.</u>	<u>DRAWING</u>	<u>REV</u>	<u>TEST</u>	<u>FCA NO.</u>	<u>SYSTEM NAME</u>	<u>REQ. INSP</u>	<u>REQ. PROC</u>	<u>COMMENTS</u>
C07.060.007	CN-2562-1.2	11	HYDRO	CAT2-0168	SAFETY INJ PUMP 2B	VT-2	QAL-15	Special EOC7 Summary Report Item

5.0 Results Of Pressure Testing Examinations

The results of each examination shown in the final ISI Plan (Section 4 of this report) are included in this section. The completion date and status for each examination are shown in this section.

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

Item No.	=	ASME Section XI Tables IWC-2500-1 (Class 2)
Drawing	=	Detail Drawing of inspection boundary
Examination Date	=	Date of latest examination
Condition	=	Partial - Part of component examined Complete - All of component examined
Status	=	Clear Recordable Reportable
Comments	=	General and/or Detail Description

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CATAWBA UNIT NUMBER 2 - 1st INTERVAL
CLASS B (CATEGORY C-H) RESULTS
FOR OUTAGE NUMBER 7

ITEM NO.	DRAWING	DATE LAST EXAMINED	CONDITION	STATUS	COMMENTS
C07.020.022	CN-2571-1.0	05/23/96	COMPLETE	CLEAR	Special EOC7 Summary Report Item
C07.020.025	CN-2569-1.0	10/25/95	COMPLETE	CLEAR	Special EOC7 Summary Report Item
C07.020.026	CN-2569-1.0	10/25/95	COMPLETE	CLEAR	Special EOC7 Summary Report Item
C07.040.007	CN-2554-1.2	05/07/96	COMPLETE	CLEAR	Special EOC7 Summary Report Item
C07.040.008	CN-2554-1.3	04/15/96	COMPLETE	CLEAR	Special EOC7 Summary Report Item
C07.040.011	CN-2554-1.6	05/14/96	COMPLETE	CLEAR	Special EOC7 Summary Report Item
C07.040.015	CN-1556-1.0	04/15/96	COMPLETE	CLEAR	Special EOC7 Summary Report Item
C07.040.024	CN-2562-1.2	02/13/96	COMPLETE	CLEAR	Special EOC7 Summary Report Item
C07.040.025	CN-2562-1.3	04/04/96	COMPLETE	CLEAR	Special EOC7 Summary Report Item
C07.040.027	CN-2563-1.0	02/28/96	COMPLETE	CLEAR	Special EOC7 Summary Report Item
C07.040.037	CN-2570-1.0	03/28/96	COMPLETE	CLEAR	Special EOC7 Summary Report Item
C07.040.038	CN-2571-1.0	05/23/96	COMPLETE	CLEAR	Special EOC7 Summary Report Item

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CATAWBA UNIT NUMBER 2 - 1st INTERVAL
CLASS B (CATEGORY C-H) RESULTS
FOR OUTAGE NUMBER 7

<u>ITEM NO.</u>	<u>DRAWING</u>	<u>DATE LAST EXAMINED</u>	<u>CONDITION</u>	<u>STATUS</u>	<u>COMMENTS</u>
C07 060.007	CN-2562-1.2	02/13/96	COMPLETE	CLEAR	Special EOC7 Summary Report Item

6.0 Reportable Indications

None

7.0 Personnel, Equipment and Material Certifications

All personnel who performed or evaluated the results of Inservice Inspection Pressure Test examinations from November 30, 1995 to June 25, 1996 at Catawba 2 were certified in accordance with the requirements of the 1980 Edition of ASME Section XI with Addenda through Winter 1981. The appropriate certification records for each Duke Power Company inspector are on file at Catawba Nuclear Station or in the Corporate Offices in Charlotte, North Carolina.

Records of periodic calibration of Duke Power Company inspection equipment are on file at Catawba Nuclear Station or in the Corporate Offices in Charlotte, North Carolina.

8.0 Corrective Action

There are no reportable items that require action for this report.

9.0 Reference Documents

There are no reference documents that apply to the Inservice Inspection Pressure Testing for this report.