

### FORM NIS-1 OWNERS' DATA REPORT FOR INSERVICE INSPECTIONS

As required by the Provisions of the ASME Code Rules

- 1. Owner: Duke Power Company, 526 S. Church St., Charlotte, NC 28201-1006  
(Name and Address of Owner)
- 2. Plant: Catawba Nuclear Station, 4800 Concord Road York, SC 29745  
(Name and Address of Plant)
- 3. Plant Unit: 1    4. Owner Certificate of Authorization (if required) N/A
- 5. Commercial Service Date: June 29, 1985    6. National Board Number for Unit 130
- 7. Components Inspected:

Component or Appurtenance	Manufacturer or Installer	Manufacturer or Installer Serial No.	State or Providence No.	National Board No.
	See Section 1 Paragraph 1.1 in the Attached 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 data report is included on each sheet, and (3) each sheet is numbered and the number of sheets is recorded at the top of this form.

9403290236 940323  
PDR ADDCK 05000413  
PDR

FORM NIS-1 (back)

8. Examination Dates 10/15/92 to 12/27/93 9. Inspection Interval from 6/29/85 to 6/29/95  
10. Abstract of Examinations. Include a list of examinations and a statement concerning status of work required for current interval. See attached report.  
11. Abstract of Conditions Noted. See attached report.  
12. Abstract of Corrective Measures Recommended and Taken. See attached report.

We certify that the statements made in this report are correct and the examinations and corrective measures taken conform to the rules of the ASME Code, Section XI.

Date 10/15 1994 Signed Duke Power Co. By Jon Barlow  
Owner

Certificate of Autho. \_\_\_\_\_ 'ion No. (if applicable) N/A Expiration Date N/A

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and/or the State or Province of N.C. and employed by The HSBI&I Co. of \_\_\_\_\_ inspected the components described in this Owners Data Report during the period 10/15/93 to 12/27/93 and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owners' Data Report in accordance with the requirements of the 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 Owners' 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 3/16 1994

Robert McMill  
Inspector's Signature

Commissions NC 978

National Board, State, Province and No.

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

INSERVICE INSPECTION REPORT  
UNIT 1 CATAWBA 1993 REFUELING  
OUTAGE 7

Location: 4800 Concord Road, York, South Carolina 29745

NATIONAL BOARD NO. 130

Commercial Service Date: June 29, 1985

Owner: Duke Power Company  
526 S. Church St.  
Charlotte, N. C. 28201-1006

Revision 0

Prepared By: J. E. Cahery Date 3/14/94  
Reviewed By: R. S. Rose Date 3/15/94  
Approved By: J. Barlow Date 3/15/94

Copy No. 3 Assigned To NRC Document Control

Controlled x Uncontrolled \_\_\_\_\_

CONTROLLED DISTRIBUTION

Copy No.

Assigned To

Original

J. O. Barbour

1

J. E. Cherry

2

R. C. Giles

3

NRC Document Control

UNCONTROLLED DISTRIBUTION

4

C. A. Ireland  
(AIA, Atlanta, GA)

## TABLE OF CONTENTS

<u>Section</u>	<u>Title</u>	<u>Revision</u>
1.	General Information	0
2.	Summary of Inservice Inspections for Outage 7	0
3.	First Ten Year Interval Inspection Status	0
4.	Final Inservice Inspection Plan for Outage 7	0
5.	Results of Inspections Performed During Outage 7	0
6.	Reportable Indications	0
7.	Personnel, Equipment, and Material Certifications	0
8.	Problem Investigation Process Forms	0
9.	Reference Documents	0
10.	Class 1 and 2 Repairs and Replacements	0

## 1.0 General Information

This report describes the Inservice Inspection of Duke Power Company's Catawba Nuclear Station Unit 1 during the 1993 Refueling Outage (also referred to as Outage 7), which is in the Second Outage in the Third Inspection Period of the First Ten Year Interval.

Included in this report are the final Inservice Inspection Plan, the inspection results for each item, a summary for each category of examination and corrective action taken when unacceptable conditions were found. In addition, there is a section included for Repairs and Replacements required since October 15, 1992.

## 1.1 Identification Numbers

<u>Item</u>	<u>Manufacturer or Installer</u>	<u>Manufacturer or Installer Serial No.</u>	<u>State or Province No.</u>	<u>National Board No.</u>
Unit 1	Duke Power Co.	N/A	N/A	130
Reactor Vessel	Westinghouse	Duke Power Co.	N/A	N/A
Pressurizer	Westinghouse	DCPT-1911	N/A	W18589
Steam Generator 1A	Westinghouse	DCPT-1902	N/A	W11300
Steam Generator 1B	Westinghouse	DCPT-1901	N/A	W11299
Steam Generator 1C	Westinghouse	DCPT-1904	N/A	W11302
Steam Generator 1D	Westinghouse	DCPT-1903	N/A	W11301
Reactor Coolant System	Duke Power Co.	C-1NC	N/A	126
Residual Heat Removal System	Duke Power Co.	C-1ND	N/A	115
Safety Injection System	Duke Power Co.	C-1NI	N/A	128
Chemical and Volume Control System	Duke Power Co.	C-1NV	N/A	127
Auxiliary Feedwater System	Duke Power Co.	C-1CA	N/A	121
Feedwater System	Duke Power Co.	C-1CF	N/A	120
Refueling Water System	Duke Power Co.	C-1FW	N/A	91
Main Steam Supply to Auxiliary Equipment	Duke Power Co.	C-1SA	N/A	114
Main Steam System	Duke Power Co.	C-1SM	N/A	122
Main Steam Vent to Atmosphere System	Duke Power Co.	C-1SV	N/A	96
Containment Spray System	Duke Power Co.	C-1NS	N/A	118

<u>Item</u>	<u>Manufacturer or Installer</u>	<u>Manufacturer or Installer Serial No.</u>	<u>State or Province No.</u>	<u>National Board No.</u>
Safety Injection Accumulator Tank 1A	Southwest Fabrication & Welding Co.	0020	N/A	310
Safety Injection Accumulator Tank 1B	Southwest Fabrication & Welding Co.	0019	N/A	309
Safety Injection Accumulator Tank 1C	Southwest Fabrication & Welding Co.	0018	N/A	308
Safety Injection Accumulator Tank 1D	Southwest Fabrication & Welding Co.	0021	N/A	311

The Reactor Vessel, Steam Generators, Pressurizer, Safety Injection Accumulator Tanks, Reactor Coolant Pumps, and Reactor Coolant System Piping were manufactured by or for Westinghouse Electric Corporation, Pittsburgh, PA under purchase agreements from Duke Power Company.

All other systems were fabricated and installed by or for Duke Power Company, 526 South Church Street, Charlotte, N.C. 28201-1006.

**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 Inspections for Outage 7

The information shown below provides an abstract of ASME Section XI Class 1, Class 2, and Augmented Items scheduled and examined during Outage 7 at Catawba Nuclear Station.

### 2.1 Class 1 Inspections

#### Examination Category B-A      Pressure Retaining Welds In Reactor Vessel

<i>Item Number</i>	<i>Description</i>	<i>Total Scheduled During Outage</i>	<i>Total Examined During Outage</i>
B01.010	<i>Shell Welds</i>		
B01.011	Circumferential	4	4
B01.012	Longitudinal	0	0
B01.020	<i>Head Welds</i>		
B01.021	Circumferential	1	1
B01.022	Meridional Welds	6	6
B01.030	Shell to Flange Weld	1/2	1/2
B01.040	Head to Flange Weld	0	0
B01.050	<i>Repair Welds</i>		
B01.051	Beltline Region	N/A	N/A
TOTALS		11 1/2	11 1/2



## Examination Category B-B

## Pressure Retaining Welds in Vessels Other Than Reactor Vessels

<i>Item Number</i>	<i>Description</i>	<i>Total Scheduled During Outage</i>	<i>Total Examined During Outage</i>
	<i>Pressurizer</i>		
B02.010	Shell to Head Welds		
B02.011	Circumferential	0	0
B02.012	Longitudinal	0	0
B02.020	<i>Head Welds</i>		
B02.021	Circumferential	N/A	N/A
B02.022	Meridional	N/A	N/A
	<i>Steam Generator (Primary Side)</i>		
B02.030	<i>Head Welds</i>		
B02.031	Circumferential	N/A	N/A
B02.032	Meridional	N/A	N/A
B02.040	Tubesheet to Head Weld	1	1
	<i>Heat Exchangers (Primary Side)</i>		
B02.050	<i>Head Welds</i>		
B02.051	Circumferential	N/A	N/A
B02.052	Meridional	N/A	N/A
B02.053	Longitudinal	N/A	N/A
	<i>Shell (Primary Side)</i>		
B02.060	Tubesheet to Shell (or Head) Welds	N/A	N/A
B02.061	Tubesheet to Shell Welds	N/A	N/A
TOTALS		1	1

Examination Category B-D

Full Penetration Welds of Nozzles in  
Vessels Inspection Program B

<i>Item Number</i>	<i>Description</i>	<i>Total Scheduled During Outage</i>	<i>Total Examined During Outage</i>
	<i>Reactor Vessel</i>		
B03.090	Nozzle to Vessel Welds	6	6
B03.100	Nozzle Inside Radius Section	4	4
	<i>Pressurizer</i>		
B03.110	Nozzle to Vessel Welds	3	3
B03.120	Nozzle Inside Radius Section	3	3
	<i>Steam Generators (Primary Side)</i>		
B03.130	Nozzle to Vessel Welds	N/A	N/A
B03.140	Nozzle Inside Radius Section	2	2
	<i>Heat Exchangers (Primary Side)</i>		
B03.150	Nozzle to Vessel Welds	N/A	N/A
B03.160	Nozzle Inside Radius Section	N/A	N/A
TOTALS		18	18

Examination Category B-E

Pressure Retaining Partial Welds in  
Vessels

<i>Item Number</i>	<i>Description</i>	<i>Total Scheduled During Outage</i>	<i>Total Examined During Outage</i>
	<i>Partial Penetration Welds</i>		
B04.010	<i>Partial Penetration Welds</i>		
B04.011	Vessel Nozzels	N/A	N/A
B04.012	Control Rod Drive Nozzles	0	0
B04.013	Instrumentation Nozzles	0	0
	<i>Pressurizer</i>		
B04.020	Heater Penetration Welds	0	0
TOTALS		0	0

## Examination Category B-F

## Pressure Retaining Dissimilar Metal Welds

<i>Item Number</i>	<i>Description</i>	<i>Total Scheduled During Outage</i>	<i>Total Examined During Outage</i>
	<i>Reactor Vessel</i>		
B05.010	Nominal Pipe Size $\geq 4"$ Nozzle to Safe End Butt Welds	4	4
B05.020	Nominal Pipe Size $< 4"$ Nozzle to Safe End Butt Welds	N/A	N/A
B05.030	Nozzle to Safe End Socket Welds	N/A	N/A
	<i>Pressurizer</i>		
B05.040	Nominal Pipe Size $\geq 4"$ Nozzle to Safe End Butt Welds	1 1/2	1 1/2
B05.050	Nominal Pipe Size $< 4"$ Nozzle to Safe End Butt Welds	N/A	N/A
B05.060	Nozzle to Safe End Socket Welds	N/A	N/A
	<i>Steam Generators</i>		
B05.070	Nominal Pipe Size $\geq 4"$ Nozzle to Safe End Butt Welds	2	2
B05.080	Nominal Pipe Size $< 4"$ Nozzle to Safe End Butt Welds	N/A	N/A
B05.090	Nozzle to Safe End Socket Welds	N/A	N/A
	<i>Heat Exchangers</i>		
B05.100	Nominal Pipe Size $\geq 4"$ Nozzle to Safe End Butt Welds	N/A	N/A
B05.110	Nominal Pipe Size $< 4"$ Nozzle to Safe End Butt Welds	N/A	N/A
B05.120	Nozzle to Safe End Socket Welds	N/A	N/A

Examination Category B-F (Continued)

<i>Item Number</i>	<i>Description</i>	<i>Total Scheduled During Outage</i>	<i>Total Examined During Outage</i>
	<i>Piping</i>		
B05.130	Nominal Pipe Size $\geq 4$ " Dissimilar Metal Butt Welds	6	6
B05.140	Nominal Pipe Size $< 4$ " Dissimilar Metal Butt Welds	N/A	N/A
B05.150	Dissimilar Metal Socket Welds	N/A	N/A
TOTALS		13 1/2	13 1/2

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

<i>Item Number</i>	<i>Description</i>	<i>Total Scheduled During Outage</i>	<i>Total Examined During Outage</i>
	<i>Reactor Vessel</i>		
B06.010	Closure Head Nuts	24	24
B06.020	Closure Studs, (in place)	N/A	N/A
B06.030	Closure Studs, (when removed)	48	48
B06.040	Threads in Flange	24	24
B06.050	Closure Washers, Bushings	24	24
	<i>Pressurizer</i>		
B06.060	Bolts and Studs	N/A	N/A
B06.070	Flange Surface, (when connection disassembled)	N/A	N/A
B06.080	Nuts, Bushings, and Washers	N/A	N/A

Examination Category B-G-1 (Continued)

<i>Item Number</i>	<i>Description</i>	<i>Total Scheduled During Outage</i>	<i>Total Examined During Outage</i>
	<i>Steam Generators</i>		
B06.090	Bolts and Studs	N/A	N/A
B06.100	Flange Surface, (when connection disassembled)	N/A	N/A
B06.110	Nuts, Bushings, and Washers	N/A	N/A
	<i>Heat Exchangers</i>		
B06.120	Bolts and Studs	N/A	N/A
B06.130	Flange Surface, (when connection disassembled)	N/A	N/A
B06.140	Nuts, Bushings, and Washers	N/A	N/A
	<i>Piping</i>		
B06.150	Bolts and Studs	N/A	N/A
B06.160	Flange Surface, (when connection disassembled)	N/A	N/A
B06.170	Nuts, Bushings, and Washers	N/A	N/A
	<i>Pumps</i>		
B06.180	Bolts and Studs	0	0
B06.190	Flange Surface, (when connection disassembled)	0	0
B06.200	Nuts, Bushings, and Washers	N/A	N/A
	<i>Valves</i>		
B06.210	Bolts and Studs	N/A	N/A
B06.220	Flange Surface, (when connection disassembled)	N/A	N/A
B06.230	Nuts, Bushings, and Washers	N/A	N/A
TOTALS		120	120

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

<i>Item Number</i>	<i>Description</i>	<i>Total Scheduled During Outage</i>	<i>Total Examined During Outage</i>
	<i>Reactor Vessel</i>		
B07.010	Bolts, Studs, and Nuts	N/A	N/A
	<i>Pressurizer</i>		
B07.020	Bolts, Studs, and Nuts	1	1
	<i>Steam Generators</i>		
B07.030	Bolts, Studs, and Nuts	0	0
	<i>Heat Exchangers</i>		
B07.040	Bolts, Studs, and Nuts	N/A	N/A
	<i>Piping</i>		
B07.050	Bolts, Studs, and Nuts	2	2
	<i>Pumps</i>		
B07.060	Bolts, Studs, and Nuts	2	2
	<i>Valves</i>		
B07.070	Bolts, Studs, and Nuts	5	5
	<i>CRD Housings</i>		
B07.080	Bolts, Studs, and Nuts	0	0
TOTALS		10	10

## Examination Category B-H

## Integral Attachments for Vessels

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

## Examination Category B-J

## Pressure Retaining Welds in Piping

<i>Item Number</i>	<i>Description</i>	<i>Total Scheduled During Outage</i>	<i>Total Examined During Outage</i>
B09.010	<i>Nominal Pipe Size <math>\geq 4"</math></i>		
B09.011	Circumferential Welds	7	7
B09.012	Longitudinal Welds *	0	0
	<i>Nominal Pipe Size <math>&lt; 4"</math></i>		
B09.020	<i>Nominal Pipe Size <math>&lt; 4"</math></i>		
B09.021	Circumferential Welds	10	10
B09.022	Longitudinal Welds *	N/A	N/A
	<i>Branch Pipe Connection Welds</i>		
B09.030	<i>Branch Pipe Connection Welds</i>		
B09.031	Nominal Pipe Size $\geq 4$	1	1
B09.032	Nominal Pipe Size $< 4"$	6	6
	<i>Sockets Welds</i>		
B09.040	<i>Sockets Welds</i>	23	23
TOTALS		47	47

\* Longitudinal welds that intersect circumferential welds are examined as required by ASME Section XI, Table IWB-2500-1, Category B-J. However, for reporting purposes, the totals do not include the number of longitudinal welds examined during this outage.

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

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

Examination Category B-L-1, B-M-1 Pressure Retaining Welds in Pump Casings and Valve Bodies  
 B-L-2, B-M-2 Pump Casings and Valve Bodies

<i>Item Number</i>	<i>Description</i>	<i>Total Scheduled During Outage</i>	<i>Total Examined During Outage</i>
	<i>Pumps</i>		
B12.010	Pump Casing Welds	N/A	N/A
B12.020	Pump Casing	N/A	N/A
	<i>Valves</i>		
B12.030	Valves, Nominal Pipe Size < 4" Valve Body Welds	N/A	N/A
B12.040	Valves, Nominal Pipe Size ≥ 4" Valve Body Welds	1	0
B12.050	Valve Body, Exceeding 4" Nominal Pipe Size	2	0
TOTALS		3	0



Examination Category B-N-1 Interior of Reactor Vessel  
 B-N-2 Integrally Welded Core Support Structures and Interior Attachments to Reactor Vessels  
 B-N-3 Removable Core Support Structures

<i>Item Number</i>	<i>Description</i>	<i>Total Scheduled During Outage</i>	<i>Total Examined During Outage</i>
	<i>Reactor Vessel</i>		
B13.010	Vessel Interior	1	1
	<i>Reactor Vessel (BWR)</i>		
B13.020	Interior Attachments Within Beltline Region	N/A	N/A
B13.021	Interior Attachments Beyond Beltline Region	N/A	N/A
B13.022	Core Support Structure	N/A	N/A
	<i>Reactor Vessel (PWR)</i>		
B13.030	Interior Attachments Beyond Beltline Region	N/A	N/A
B13.031	Interior Attachments Beyond Beltline Region	N/A	N/A
B13.032	Core Support Structure	1	1
TOTALS		2	2

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

<i>Item Number</i>	<i>Description</i>	<i>Total Scheduled During Outage</i>	<i>Total Examined During Outage</i>
	<i>Reactor Vessel</i>		
B14.010	Welds in CRD Housing	0	0
TOTALS		0	0

Examination Category B-P All Pressure Retaining Components

<i>Item Number</i>	<i>Description</i>	<i>Total Scheduled During Outage</i>	<i>Total Examined During Outage</i>
	<i>Reactor Vessel</i>		
B15.010	Pressure Retaining Boundary	1	1
B15.011	Pressure Retaining Boundary	0	0
	<i>Pressurizer</i>		
B15.020	Pressure Retaining Boundary	1	1
B15.021	Pressure Retaining Boundary	0	0
	<i>Steam Generators</i>		
B15.030	Pressure Retaining Boundary	4	4
B15.031	Pressure Retaining Boundary	0	0
	<i>Heat Exchangers</i>		
B15.040	Pressure Retaining Boundary	N/A	N/A
B15.041	Pressure Retaining Boundary	N/A	N/A
	<i>Piping</i>		
B15.050	Pressure Retaining Boundary	10	10
B15.051	Pressure Retaining Boundary	6	6
	<i>Pumps</i>		
B15.060	Pressure Retaining Boundary	4	4
B15.061	Pressure Retaining Boundary	0	0
	<i>Valves</i>		
B15.070	Pressure Retaining Boundary	Covered in B15.050	Covered in B15.050
B15.071	Pressure Retaining Boundary	Covered in B15.051	Covered in B15.051
TOTALS		26	26

Examination Category B-Q      Steam Generator Tubing

<i>Item Number</i>	<i>Description</i>	<i>Total Scheduled During Outage</i>	<i>Total Examined During Outage</i>
B16.010	Steam Generator Tubing in Straight Tube Design	N/A	N/A
B16.020	Steam Generator Tubing in U-Tube Design	*	*
TOTALS		*	*

\* Steam Generator Tubing is examined and documented by the Diversified Services Group of the Generation Services Department as required by the Station Technical Specifications and is not included in this report.

F1.1 Component Supports

<i>Item Number</i>	<i>Description</i>	<i>Total Scheduled During Outage</i>	<i>Total Examined During Outage</i>
F1.01	Reference Section 4.0 of this report.	66	66
TOTALS		66	66

2.2 Class 2 Inspections

Examination Category C-A      Pressure Retaining Welds in Pressure Vessels

<i>Item Number</i>	<i>Description</i>	<i>Total Scheduled During Outage</i>	<i>Total Examined During Outage</i>
C01.010	Shell Circumferential Welds	0	0
C01.020	Head Circumferential Welds	1	1
C01.030	Tubesheet to Shell Weld	0	0
TOTALS		1	1

**Examination Category C-B Pressure Retaining Nozzle Welds in Vessels**

<i>Item Number</i>	<i>Description</i>	<i>Total Scheduled During Outage</i>	<i>Total Examined During Outage</i>
C02.010	<i>Nozzles in Vessels <math>\leq 1/2</math>" Nominal Thickness</i>		
C02.011	Nozzle to Shell (Or Head) Weld	0	0
C02.020	<i>Nozzles Without Reinforcing Plate in Vessels <math>&gt; 1/2</math>" Nominal Thickness</i>		
C02.021	Nozzle to Shell (or Head) Weld	2	2
C02.022	Nozzle Inside Radius Section *	1	1
C02.030	<i>Nozzles With Reinforcing Plate in Vessels <math>&gt; 1/2</math>" Nominal Thickness</i>		
C02.031	Reinforcing Plate Welds to Nozzle and Vessel	N/A	N/A
C02.032	Nozzle to Shell (or Head) Welds Inside of Vessel Accessible  Inside of Vessel Inaccessible	N/A	N/A
<b>TOTALS</b>		<b>2</b>	<b>2</b>

\* Nozzle Inside Radius Sections are examined as required by ASME Section XI, Table IWC -2500-1, Category C-B. However for reporting purposes, the totals do not include the number of inside radius sections examined during this outage.

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

<i>Item Number</i>	<i>Description</i>	<i>Total Scheduled During Outage</i>	<i>Total Examined During Outage</i>
	<i>Pressure Vessels</i>		
C03.010	Integrally Welded Attachments	0	0
	<i>Piping</i>		
C03.020	Integrally Welded Attachments	2	2

Examination Category C-C (Continued)

<i>Item Number</i>	<i>Description</i>	<i>Total Scheduled During Outage</i>	<i>Total Examined During Outage</i>
	<i>Pumps</i>		
C03.030	Integrally Welded Attachments	0	0
	<i>Valves</i>		
C03.040	Integrally Welded Attachments	N/A	N/A
TOTALS		2	2

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

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

**Examination Category C-F Pressure Retaining Welds in Piping**

<i>Item Number</i>	<i>Description</i>	<i>Total Scheduled During Outage</i>	<i>Total Examined During Outage</i>
C05.010	<i>Piping Welds <math>\leq 1/2</math>" Nominal Wall Thickness</i>		
C05.011	Circumferential Weld	49	49
C05.012	Longitudinal Weld *	14	14
C05.020	<i>Piping Welds <math>&gt; 1/2</math>" Nominal Wall Thickness</i>		
C05.021	Circumferential Weld	7	7
C05.022	Longitudinal Weld *	1	1
C05.030	<i>Pipe Branch Connections <math>&gt; 4</math>" Nominal Branch Pipe Size</i>		
C05.031	Circumferential Weld	N/A	N/A
C05.032	Longitudinal Weld	N/A	N/A
TOTALS		56	56

\* Longitudinal welds that intersect circumferential welds are examined as required by ASME Section XI, Table IWC-2500-1, Category C-F. However, for reporting purposes, the totals do not include the number of longitudinal welds examined during this outage.

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

<i>Item Number</i>	<i>Description</i>	<i>Total Scheduled During Outage</i>	<i>Total Examined During Outage</i>
	<i>Pumps</i>		
C06.010	Pump Casing Welds	N/A	N/A
	<i>Valves</i>		
C06.020	Valve Body Welds	10	0
TOTALS		10	0

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	14	14
	<i>Piping</i>		
C07.030	Pressure Retaining Components	0	0
C07.040	Pressure Retaining Components	33	33
	<i>Pumps</i>		
C07.050	Pressure Retaining Components	0	0
C07.060	Pressure Retaining Components	2	2
	<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		49	49

*F1.2 Component Supports*

<i>Item Number</i>	<i>Description</i>	<i>Total Scheduled During Outage</i>	<i>Total Examined During Outage</i>
F1.02	Reference Section 4.0 of this report	130	115
TOTALS		130	115

2.3 *Augmented Inspections*

<i>Item Number</i>	<i>Description</i>	<i>Total Scheduled During Outage</i>	<i>Total Examined During Outage</i>
G01.001	Reactor Coolant Pump Flywheels	3	3
G02.001	Steam Generator Tube Examinations on Preheater Section	Ref. Note from Item No. B16.020	Ref. Note from Item No. B16.020
G03.001	Main Steam Pipe Rupture Protection	6	0
G04.001	Class 2 Piping Welds	8	8
G05.001	Thermal Stress Piping (NRC Bulletin 88-08)	0	0
G06.001	Safety Injection Accumulator Nozzles (NRC Information Notice 91-05)	0	0
TOTALS		17	11

A detailed description of each examination listed in Sections 2.1 through 2.3 are located in Section 4 of this report. Results of each examination are located in Section 5 of this report.



### 3.0 First Ten Year Interval Inspection Status

The completion status of inspections required by the 1980 ASME Section XI Code, 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, and Table IWC-2500-1 for Class 2 Inspections. Augmented inspections are also included.

#### 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	14 Welds	14 Welds	100%	Yes
B-B	Pressure Retaining Welds in Vessels Other than Reactor Vessel	8 Welds	7 Welds	87.50%	No
B-D	Full Penetration Welds of Nozzles in Vessels	36 Inspections	36 Inspections	100%	Partial
B-E	Pressure Retaining Partial Penetration Welds in Vessels	55 Welds	55 Welds	67% Credited	No
B-F	Pressure Retaining Dissimilar Metal Welds	46 Welds	46 Welds	100%	No
B-G-1	Pressure Retaining Bolting Greater than 2 Inch Diameter	370 Items	370 Items	100%	Yes
B-G-2	Pressure Retaining Bolting 2 Inches and Less in Diameter	59 Connections	52 Connections	88.13%	No
B-H	Integral Attachment for Vessels	12 Attachments	9 Attachments	75%	No
B-J	Pressure Retaining Welds in Piping	205 Welds	204 Welds	99.51%	No

### Class 1 Inspections (Continued)

Examination Category	Description	Inspections Required	Inspections Completed	Percentage Completed	1 Deferral Allowed
B-K-1	Integral Attachments for Piping, Pumps and Valves	None	N/A	N/A	N/A
B-L-1	Pressure Retaining Welds in Pump Casings	None	N/A	N/A	N/A
B-L-2	Pump Casings	None	N/A	N/A	N/A
B-M-1	Pressure Retaining Welds in Valve Bodies	2 Welds	1 Weld	50%	Yes
B-M-2	Valve Body > 4 in. Nominal Pipe Size	7 Valves	5 Valves	71.42%	Yes
B-N-1	Interior of Reactor Vessel	3 Items	3 Items	100%	No
B-N-2	Integrally Welded Core Support Structures and Interior Attachments to Reactor Vessels	None	N/A	N/A	N/A
B-N-3	Removable Core Support Structures	1 Item	1 Item	100%	Yes
B-O	Pressure Retaining Welds in Control Rod Housings	3 Housings	3 Housings	100%	Yes
B-P	All Pressure Retaining Components				
	System Leakage Test	140 Components	140 Components	100%	No
	System Hydrostatic Test	20 Components	0 Components	0%	Yes
B-Q	Steam Generator Tubing	As stated in Station Technical Specifications	100% Station Technical Specifications Met	100% Station Technical Specifications Met	No
F1.01	Class 1 Component Supports	267 Supports	265 Supports	99.25%	No

## Class 2 Inspections

<u>Examination Category</u>	<u>Description</u>	<u>Inspections Required</u>	<u>Inspections Completed</u>	<u>Percentage Completed</u>	<u>1 Deferral Allowed</u>
C-A	Pressure Retaining Welds in Pressure Vessels	9 Welds	7 Welds	77.77%	No
C-B	Pressure Retaining Nozzle Welds in Vessels	6 Welds	6 Welds	100%	No
C-C	Integral Attachments for Vessels, Piping, Pumps and Valves	33 Attachments	27 Attachments	81.81%	No
C-D	Pressure Retaining Bolting Exceeding 2 Inches in Diameter	None	N/A	N/A	N/A
C-F	Pressure Retaining Welds in Piping	347 Welds	327 Welds	94.23%	No
C-G	Pressure Retaining Welds in Pumps and Valves	25 Welds	15 Welds	60%	Yes
C-H	All Pressure Retaining Components				
	System or Component Functional Test	70 Components	69 Components	98.57%	No
	System Hydrostatic Test	90 Components	27 Components	30%	Yes
F1.02	Class 2 Component Supports	552 Supports	551 Supports	99.81%	No

## Augmented Inspections

<u>Description</u>	<u>Percentage Complete</u>
Reactor Coolant Pump Flywheels	100% of Technical Specifications met
Steam Generator Tubes on Preheater Section	100% of requirements met for Outages 1, 2, 3, 4, 5, 6, & 7
Main Steam Pipe Rupture Protection	100% of requirements met for Outages 1, 2, 3, 4, 5, 6, & 7
Class 2 Piping Systems	100% of requirements met for Outages 1, 2, 3, 4, 5, 6, & 7
Thermal Stress Piping (NRC Bulletin 88-08)	100% of requirements met for Outages 3 & 6
Safety Injection Accumulator Nozzles (NRC Information Notice 91-05)	100% of requirements met for Outage 5

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

#### 4.0 Final Inservice Inspection Plan For Outage 7

The final ISI Plan shown in this section lists all ASME Section XI Class 1 and 2, and Augmented examinations credited for Outage 7 at Catawba Nuclear Station Unit 1.

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

##### A. Items examined by NDE (excluding Pressure Testing)

Item Number	=	ASME Section XI Tables IWB-2500-1 (Class 1), IWC-2500-1 (Class 2), IWF-2500-1 (Class 1, and Class 2), Augmented Requirements
ID Number	=	Unique Identification Number
Drawing Number	=	Location and/or Detail Drawing
Locs.	=	Location
Insp. Req.	=	Examination Technique - Magnetic Particle, Dye Penetrant, etc.
Proc. Numbers	=	Examination Procedures
Material Type/Grade	=	General Description of Material
Diam./Thick	=	Diameter/Thickness
Calib. Block	=	Calibration Block Number
Comments	=	General and/or Detail Description

PROGRAM: NISIRUNB-QAISI02  
 FILE: C007133  
 PLANT: CATAWBA UNIT 1  
 KEY: ITEM NUMBER B01

DUKE POWER COMPANY  
 QUALITY ASSURANCE DEPARTMENT  
 PRE-SERVICE AND IN-SERVICE INSPECTION SYSTEM  
 CATAWBA 1 OUTAGE 7 INSERVICE INSPECTION LISTING

PAGE 1  
 DATE 03/10/94

ITEM NUMBER	ID. NUMBER	DRAWING NUMBERS	LOCS.	INSP. REQ.	PROC. NUMBERS	MATERIAL TYPE/GRADE	DIAM./THICK	CALIB BLOCK	COMMENTS
B01.000.000	REACTOR VESSEL	WELDS***** *****	_____	***	*****	*****	_____	*****	***** *****
B01.010.000	REACTOR VESSEL	SHELL WELDS***** *****	_____	***	*****	*****	_____	*****	***** *****
B01.011.000	REACTOR VESSEL	CIRCUMFERENTIAL***** SHELL WELDS*****	_____	***	*****	*****	_____	*****	***** *****
B01.011.001	1RPV-W03	CNM 1201.01-51 -----	_____	UT	ISI-138	CS	7.300	50301	CIRC WELD 02 TO 03 LOWER HEAD TO SHELL REF.RFR #94-01 CAL.BLK.#50304 NEAR SURFACE CAL.BLK.#50302 FULL MODE
B01.011.002	1RPV-W04	CNM 1201.01-51 -----	_____	UT	ISI-138	CS	08.600	50302	CIRCUMFERENTIAL WELD 03 TO 04 SHELL TO SHELL CAL.BLK.#50304 NEAR SURFACE
B01.011.003	1RPV-W05	CNM 1201.01-51 -----	_____	UT	ISI-138	CS	08.600	50302	CIRCUMFERENTIAL WELD 04 TO 05 SHELL TO SHELL CAL.BLK.#50304 NEAR SURFACE
B01.011.004	1RPV-W06	CNM 1201.01-51 -----	_____	UT	ISI-138	CS	08.600	50302	CIRCUMFERENTIAL WELD 05 TO 06 SHELL TO NOZZLE BEL. CAL.BLK.#50304 NEAR SURFACE REF.RFR #94-01
B01.012.000	REACTOR VESSEL	LONGITUDINAL***** SHELL WELDS*****	_____	***	*****	*****	_____	*****	***** *****

PROGRAM: NISIRUNB-QAISI02  
 FILE: C007133  
 PLANT: CATAMBA UNIT 1  
 KEY: ITEM NUMBER B01

DUKE POWER COMPANY  
 QUALITY ASSURANCE DEPARTMENT  
 PRE-SERVICE AND IN-SERVICE INSPECTION SYSTEM  
 CATAMBA 1 OUTAGE 7 INSERVICE INSPECTION LISTING

PAGE 2  
 DATE 03/10/94

ITEM NUMBER	ID. NUMBER	DRAWING NUMBERS	LOCS.	INSP. REQ. NUMBERS	PROC. NUMBERS	MATERIAL TYPE/GRADE	DIAM. THICK	CALIB. BLOCK	COMMENTS
B01.020.000	REACTOR VESSEL	HEAD WELDS***** *****	_____	***	*****	*****	_____	*****	*****
B01.021.000	REACTOR VESSEL	HEAD WELDS***** CIRCUMFERENTIAL*****	_____	***	*****	*****	_____	*****	*****
B01.021.001	IRPV-W01	CNM 1201.01-51	_____	UT	ISI-138	CS	05.300	50301	CIRC.WELD 01 TO 02 RV LOWER HEAD REF.RFR #94-01 CAL.BLK.#50304 NEAR SURFACE CAL.BLK.#50302 FULL NODE
B01.022.000	REACTOR VESSEL	HEAD WELDS***** MERIDIONAL*****	_____	***	*****	*****	_____	*****	*****
B01.022.001	IRPV-W02-01	CNM 1201.01-51	_____	UT	ISI-138	CS	05.300	50301	MERIDIONAL WELD PC 02 302 DEG RV LOWER HEAD REF.RFR #94-01 CAL.BLK.#50304 NEAR SURFACE CAL.BLK.#50302 FULL NODE
B01.022.002	IRPV-W02-02	CNM 1201.01-51	_____	UT	ISI-138	CS	05.300	50301	MERIDIONAL WELD PC 02 242 DEG REACTOR VESSEL LOWER HEAD CAL.BLK.#50304 NEAR SURFACE CAL.BLK.#50302 FULL NODE
B01.022.003	IRPV-W02-03	CNM 1201.01-51	_____	UT	ISI-138	CS	05.300	50301	MERIDIONAL WELD PC 02 182 DEG RV LOWER HEAD REF.RFR #94-01 CAL.BLK.#50304 NEAR SURFACE CAL.BLK.#50302 FULL NODE
B01.022.004	IRPV-W02-04	CNM 1201.01-51	_____	UT	ISI-138	CS	05.300	50301	MERIDIONAL WELD PC 02 122 DEG RV LOWER HEAD REF.RFR #94-01 CAL.BLK.#50304 NEAR SURFACE CAL.BLK.#50302 FULL NODE

PROGRAM: NISIRUNB-QAISI02  
 FILE: C007133  
 PLANT: CATAWBA UNIT 1  
 KEY: ITEM NUMBER B01

DUKE POWER COMPANY  
 QUALITY ASSURANCE DEPARTMENT  
 PRE-SERVICE AND IN-SERVICE INSPECTION SYSTEM  
 CATAWBA 1 OUTAGE 7 INSERVICE INSPECTION LISTING

PAGE 3  
 DATE 03/10/94

ITEM NUMBER	ID. NUMBER	DRAWING NUMBERS	LOCS.	INSP. REQ.	PROC. NUMBERS	MATERIAL TYPE/GRADE	DIAM. THICK	CALIB BLOCK	COMMENTS
B01.022.005	1RPV-W02-05	CNM 1201.01-51 ----- -----	_____	UT	ISI-138	CS	05.300	50301	MERIDIONAL WELD PC 02 62 DEG RV LOWER HEAD REF.RFR #94-01 CAL.BLK.#50304 NEAR SURFACE CAL.BLK.#50302 FULL NODE
B01.022.006	1RPV-W02-06	CNM 1201.01-51 ----- -----	_____	UT	ISI-138	CS	05.300	50301	MERIDIONAL WELD PC 02 2 DEG RV LOWER HEAD REF.RFR #94-01 CAL.BLK.#50304 NEAR SURFACE CAL.BLK.#50302 FULL NODE
B01.030.000	REACTOR VESSEL	SHELL TO FLANGE WELD ***** ----- -----	_____	***	*****	*****	---	*****	***** ***** ----- -----
B01.030.001	1RPV-W07	CNM 1201.01-51 CNM 1201.01-63 ----- -----	_____	UT	ISI-138	CS	10.900	50303	06 TO 07 NOZZLE BELT TO FLANGE UT FROM VESSEL ID CAL.BLK.#50304 NEAR SURFACE
B01.040.000	REACTOR VESSEL	HEAD TO FLANGE WELD* ***** ----- -----	_____	***	*****	*****	---	*****	***** ***** ----- -----



PROGRAM: NISIRUNB-QAISI02  
 FILE: C007133  
 PLANT: CATAWBA UNIT 1  
 KEY: ITEM NUMBER B02

DUKE POWER COMPANY  
 QUALITY ASSURANCE DEPARTMENT  
 PRE-SERVICE AND IN-SERVICE INSPECTION SYSTEM  
 CATAWBA 1 OUTAGE 7 INSERVICE INSPECTION LISTING

PAGE 4  
 DATE 03/10/94

ITEM NUMBER	ID. NUMBER	DRAWING NUMBERS	LOCS.	INSP. REQ.	PROC. NUMBERS	MATERIAL TYPE/GRADE	DIAM./THICK	CALIB BLOCK	COMMENTS
B02.000.000	***PRESSURIZER	AND STEAM GENERATOR VESSEL WELDS*****		***	*****	*****	---	****	***** *****
B02.010.000	***PRESSURIZER	SHELL TO HEAD WELDS *****		**	*****	*****	---	****	***** *****
B02.011.000	***PRESSURIZER	SHELL TO HEAD WELDS CIRCUMFERENTIAL*****		***	*****	*****	---	****	***** *****
B02.012.000	***PRESSURIZER	WELDS***** LONGITUDINAL*****		***	*****	*****	---	****	***** *****
B02.040.000	*****STEAM	GENERATORS TUBESHEET TO HEAD WELDS*****		***	*****	*****	---	****	***** *****
B02.040.003	ISGC-01-02	CNM 1201.01-88 CNM 1201.01-119		UT	NDE-620 NDE-640	CS	05.120	50301	STEAM GENERATOR 1C CHANNEL HEAD TO TUBE SHEET

PROGRAM: NISIRUNB-QAISI02  
 FILE: C007133  
 PLANT: CATAWBA UNIT 1  
 KEY: ITEM NUMBER B03

DUKE POWER COMPANY  
 QUALITY ASSURANCE DEPARTMENT  
 PRE-SERVICE AND IN-SERVICE INSPECTION SYSTEM  
 CATAWBA 1 OUTAGE 7 INSERVICE INSPECTION LISTING

PAGE 5  
 DATE 03/10/94

ITEM NUMBER	ID. NUMBER	DRAWING NUMBERS	LOCS.	INSP. PROC. REQ. NUMBERS	MATERIAL TYPE/GRADE	DIAM./ THICK	CALIB BLOCK	COMMENTS
B03.090.000	REACTOR VESSEL	NOZZLE TO VESSEL**** WELDS*****	_____	*** *****	*****	____	*****	***** *****
B03.090.001	IRPV-W11	CNM 1201.01-51 CNM 1201.01-64	_____	UT ISI-138	CS	61.50 10.900	50303	INLET NOZZLE B TO SHELL 67 DEG UT FROM VESSEL ID CAL.BLK.#50304 NEAR SURFACE REF.RFR #94-01
B03.090.001A	IRPV-W11	CNM 1201.01-51 CNM 1201.01-64	_____	UT ISI-138	CS	61.50 10.900	50304	INLET NOZZLE B TO SHELL 67 DEG UT FROM NOZZLE ID REF.RFR #94-01
B03.090.002	IRPV-W12	CNM 1201.01-51 CNM 1201.01-64	_____	UT ISI-138	CS	61.50 10.900	50303	INLET NOZZLE C TO SHELL 113 DEG UT FROM VESSEL ID CAL.BLK.#50304 NEAR SURFACE REF.RFR #94-01
B03.090.002A	IRPV-W12	CNM 1201.01-51 CNM 1201.01-64	_____	UT ISI-138	CS	61.50 10.900	50304	INLET NOZZLE C TO SHELL 113 DEG UT FROM NOZZLE ID REF.RFR #94-01
B03.090.003	IRPV-W13	CNM 1201.01-51 CNM 1201.01-64	_____	UT ISI-138	CS	61.50 10.900	50303	INLET NOZZLE F TO SHELL 247 DEG UT FROM VESSEL ID CAL.BLK.#50304 NEAR SURFACE REF.RFR #94-01
B03.090.003A	IRPV-W13	CNM 1201.01-51 CNM 1201.01-64	_____	UT ISI-138	CS	61.50 10.900	50304	INLET NOZZLE F TO SHELL 247 DEG UT FROM NOZZLE ID REF.RFR #94-01
B03.090.004	IRPV-W14	CNM 1201.01-51 CNM 1201.01-64	_____	UT ISI-138	CS	61.50 10.900	50303	INLET NOZZLE G TO SHELL 293 DEG UT FROM VESSEL ID CAL.BLK.#50304 NEAR SURFACE REF.RFR #94-01

PROGRAM: NISIRUNB-QAISI02  
 FILE: C007133  
 PLANT: CATANBA UNIT 1  
 KEY: ITEM NUMBER B03

DUKE POWER COMPANY  
 QUALITY ASSURANCE DEPARTMENT  
 PRE-SERVICE AND IN-SERVICE INSPECTION SYSTEM  
 CATANBA 1 OUTAGE 7 INSERVICE INSPECTION LISTING

PAGE 6  
 DATE 03/10/94

ITEM NUMBER	ID. NUMBER	DRAWING NUMBERS	LOCS.	INSP. REQ.	PROC. NUMBERS	MATERIAL TYPE/GRADE	DIAM./ THICK	CALIB BLOCK	COMMENTS
B03.090.004A	IRPV-W14	CNM 1201.01-51 CNM 1201.01-64	_____	UT	ISI-138	CS	61.50 10.900	50304	INLET NOZZLE G TO SHELL 293 DEG UT FROM NOZZLE ID REF.RFR #94-01
B03.090.005	IRPV-W15	CNM 1201.01-51 CNM 1201.01-65	_____	UT	ISI-138	CS	52.90 10.900	50303	OUTLET NOZZLE A TO SHELL 22 DEG UT FROM VESSEL ID CAL.BLK.#50304 NEAR SURFACE REF.RFR #94-01
B03.090.005A	IRPV-W15	CNM 1201.01-51 CNM 1201.01-65	_____	UT	ISI-138	CS	52.90 10.900	50304	OUTLET NOZZLE A TO SHELL 22 DEG UT FROM NOZZLE ID REF.REQUEST FOR RELIEF #93-02 REF.RFR #94-01
B03.090.006	IRPV-W16	CNM 1201.01-51 CNM 1201.01-65	_____	UT	ISI-138	CS	52.90 10.900	50303	OUTLET NOZZLE D TO SHELL 158 DEG UT FROM VESSEL ID CAL.BLK.#50304 NEAR SURFACE REF.RFR #94-01
B03.090.006A	IRPV-W16	CNM 1201.01-51 CNM 1201.01-65	_____	UT	ISI-138	CS	52.90 10.900	50304	OUTLET NOZZLE D TO SHELL 158 DEG UT FROM NOZZLE ID REF.REQUEST FOR RELIEF #93-02 REF.RFR #94-01
B03.090.007	IRPV-W17	CNM 1201.01-51 CNM 1201.01-65	_____	UT	ISI-138	CS	52.90 10.900	50303	OUTLET NOZZLE E TO SHELL 202 DEG UT FROM VESSEL ID CAL.BLK.#50304 NEAR SURFACE REF.RFR #94-01
B03.090.007A	IRPV-W17	CNM 1201.01-51 CNM 1201.01-65	_____	UT	ISI-138	CS	52.90 10.900	50304	OUTLET NOZZLE E TO SHELL 202 DEG UT FROM NOZZLE ID REF.REQUEST FOR RELIEF #93-02 REF.RFR #94-01
B03.090.008	IRPV-W18	CNM 1201.01-51 CNM 1201.01-65	_____	UT	ISI-138	CS	52.90 10.900	50303	OUTLET NOZZLE H TO SHELL 338 DEG UT FROM VESSEL ID CAL.BLK.#50304 NEAR SURFACE REF.RFR #94-01

PROGRAM: NISIRUMB-QAISI02  
 FILE: C007133  
 PLANT: CATAWBA UNIT 1  
 KEY: ITEM NUMBER B03

DUKE POWER COMPANY  
 QUALITY ASSURANCE DEPARTMENT  
 PRE-SERVICE AND IN-SERVICE INSPECTION SYSTEM  
 CATAWBA 1 OUTAGE 7 INSERVICE INSPECTION LISTING

PAGE 7  
 DATE 03/10/94

ITEM NUMBER	ID. NUMBER	DRAWING NUMBERS	LOCS.	INSP. PROC. REQ. NUMBERS	MATERIAL TYPE/GRADE	DIAM./ THICK	CALIB BLOCK	COMMENTS
B03.090.008A	IRPV-W18	CNM 1201.01-51 CNM 1201.01-65	_____	UT ISI-138	CS	52.90 10.900	50304	OUTLET NOZZLE H TO SHELL 338 DEG UT FROM NOZZLE ID REF.REQUEST FOR RELIEF #93-02 REF.RFR #94-01
B03.100.000	REACTOR VESSEL	NOZZLE INSIDE***** RADIUS SECTION*****	_____	*** *****	*****	_____	*****	***** *****
B03.100.001	IRPV-W11	CNM 1201.01-51 CNM 1201.01-64	_____	UT ISI-138	CS	61.50 10.900	50304	INLET NOZZLE B TO SHELL 67 DEG UT FROM NOZZLE ID REF.RFR #94-01
B03.100.002	IRPV-W12	CNM 1201.01-51 CNM 1201.01-64	_____	UT ISI-138	CS	61.50 10.900	50304	INLET NOZZLE C TO SHELL 113 DEG UT FROM NOZZLE ID REF.RFR #94-01
B03.100.003	IRPV-W13	CNM 1201.01-51 CNM 1201.01-64	_____	UT ISI-138	CS	61.50 10.900	50304	INLET NOZZLE F TO SHELL 247 DEG UT FROM NOZZLE ID REF.RFR #94-01
B03.100.004	IRPV-W14	CNM 1201.01-51 CNM 1201.01-64	_____	UT ISI-138	CS	61.50 10.900	50304	INLET NOZZLE G TO SHELL 293 DEG UT FROM NOZZLE ID REF.RFR #94-01
B03.100.005	IRPV-W15	CNM 1201.01-51 CNM 1201.01-64	_____	UT ISI-138	CS	52.90 10.900	50304	OUTLET NOZZLE A TO SHELL 22 DEG UT FROM NOZZLE ID REF.REQUEST FOR RELIEF #93-02 REF.RFR #94-01
B03.100.006	IRPV-W16	CNM 1201.01-51 CNM 1201.01-64	_____	UT ISI-138	CS	52.90 10.900	50304	OUTLET NOZZLE D TO SHELL 158 DEG UT FROM NOZZLE ID REF.REQUEST FOR RELIEF #93-02 REF.RFR #94-01

PROGRAM: NISIRUNB-QAISI02  
 FILE: C007133  
 PLANT: CATAWBA UNIT 1  
 KEY: ITEM NUMBER B03

DUKE POWER COMPANY  
 QUALITY ASSURANCE DEPARTMENT  
 PRE-SERVICE AND IN-SERVICE INSPECTION SYSTEM  
 CATAWBA 1 OUTAGE 7 INSERVICE INSPECTION LISTING

PAGE 8  
 DATE 03/10/94

ITEM NUMBER	ID. NUMBER	DRAWING NUMBERS	LOCS.	INSP. REQ.	PROC. NUMBERS	MATERIAL TYPE/GRADE	DIAM./THICK	CALIB BLOCK	COMMENTS
B03.100.007	IRPV-W17	CNM 1201.01-51 CNM 1201.01-64	_____	UT	ISI-138	CS	52.90 10.900	50304	OUTLET NOZZLE E TO SHELL 202 DEG UT FROM NOZZLE ID REF.REQUEST FOR RELIEF #93-02 REF.RFR #94-01
B03.100.008	IRPV-W18	CNM 1201.01-51 CNM 1201.01-64	_____	UT	ISI-138	CS	52.90 10.900	50304	OUTLET NOZZLE H TO SHELL 338 DEG UT FROM NOZZLE ID REF.REQUEST FOR RELIEF #93-02 REF.RFR #94-01
B03.110.000	***PRESSURIZER	NOZZLE TO VESSEL*** HELDS*****	_____	***	*****	*****	_____ _____	*****	***** *****
B03.110.004	1PZR-W4A	CNM 1201.01-175/1 CNM 1201.01-175/2	_____	UT	NDE-620 NDE-640	CS	15.00 01.900	50338	PRESSURIZER SAFETY NOZZLE TO UPPER HEAD REF.RFR #94-01
B03.110.005	1PZR-W4B	CNM 1201.01-175/1 CNM 1201.01-175/2	_____	UT	NDE-620 NDE-640	CS	15.00 01.900	50338	PRESSURIZER SAFETY NOZZLE TO UPPER HEAD REF.RFR #94-01
B03.110.006	1PZR-W4C	CNM 1201.01-175/1 CNM 1201.01-175/2	_____	UT	NDE-620 NDE-640	CS	15.00 01.900	50338	PRESSURIZER SAFETY NOZZLE TO UPPER HEAD REF.RFR #94-01
B03.120.000	***PRESSURIZER	NOZZLE INSIDE RADIUS SECTION*****	_____	***	*****	*****	_____ _____	*****	***** *****
B03.120.004	1PZR-W4A	CNM 1201.01-175/1 CNM 1201.01-175/2	_____	UT	NDE-680	CS	15.00 01.900	50338	INSIDE RADIUS REF.RFR #94-01

PROGRAM: NISIRUMB-QA1SI02  
 FILE: C007133  
 PLANT: CATAWBA UNIT 1  
 KEY: ITEM NUMBER B03

DUKE POWER COMPANY  
 QUALITY ASSURANCE DEPARTMENT  
 PRE-SERVICE AND IN-SERVICE INSPECTION SYSTEM  
 CATAWBA 1 OUTAGE 7 INSERVICE INSPECTION LISTING

PAGE 9  
 DATE 03/10/94

ITEM NUMBER	ID. NUMBER	DRAWING NUMBERS	LOCS.	INSP. REQ. NUMBERS	PROC. TYPE/GRADE	MATERIAL	DIAM./ THICK	CALIB BLOCK	COMMENTS
B03.120.005	1PZR-W4B	CNM 1201.01-175/1 CNM 1201.01-175/2	_____	UT	NDE-680	CS	15.00 01.900	50338	INSIDE RADIUS REF.RFR #94-01
B03.120.006	1PZR-W4C	CNM 1201.01-175/1 CNM 1201.01-175/2	_____	UT	NDE-680	CS	15.00 01.900	50338	INSIDE RADIUS REF.RFR #94-01
B03.140.000	*****STEAM	GENERATORS NOZZLE TO INSIDE RADIUS*****	_____	***	*****	*****	____	*****	***** *****
B03.140.005	ISGC-INLET	CNM 1201.01-88 CNM 1201.01-119	_____	UT	NDE-680	CS	39.00 05.160	50302	STEAM GENERATOR IC PRIMARY INLET NOZZLE RADIUS SECTION REF.RFR #94-01
B03.140.006	ISGC-OUTLET	CNM 1201.01-88 CNM 1201.01-119	_____	UT	NDE-680	CS	39.00 05.160	50302	STEAM GENERATOR IC PRIMARY OUTLET NOZZLE RADIUS SECTION REF.RFR #94-01

PROGRAM: NISIRUNB-QAISI02  
 FILE: C007133  
 PLANT: CATAWBA UNIT 1  
 KEY: ITEM NUMBER B04

DUKE POWER COMPANY  
 QUALITY ASSURANCE DEPARTMENT  
 PRE-SERVICE AND IN-SERVICE INSPECTION SYSTEM  
 CATAWBA 1 OUTAGE 7 INSERVICE INSPECTION LISTING

PAGE 10  
 DATE 03/10/94

ITEM NUMBER	ID. NUMBER	DRAWING NUMBERS	LOCS.	INSP. REQ.	PROC. NUMBERS	MATERIAL TYPE/GRADE	DIAM./THICK	CALIB BLOCK	COMMENTS
B04.010.000	REACTOR VESSEL	PARTIAL PENETRATION* WELDS*****	_____	***	*****	*****	---	*****	REF. PRESSURE TEST PROGRAM MAINTAINED BY QATS-GO
B04.012.000	*****PARTIAL	PENETRATION***** CRD NOZZLES*****	_____	***	*****	*****	---	*****	INSPECT AND DOCUMENT 100% OF NOZZLE WELDS ON NPD PROCEDURE REF. PRESSURE TEST PROGRAM MAINTAINED BY QATS-GO
B04.013.000	*****PARTIAL	PENETRATION***** INSTRUMENTATION*****	_____	***	*****	*****	---	*****	INSPECT AND DOCUMENT 100% OF NOZZLE WELDS ON NPD PROCEDURE REF. PRESSURE TEST PROGRAM MAINTAINED BY QATS-GO
B04.020.000	***PRESSURIZER	HEATER PENETRATION** WELDS*****	_____	***	*****	*****	---	*****	INSPECT AND DOCUMENT 100% OF PENT. WELDS ON NPD PROCEDURE REF. PRESSURE TEST PROGRAM MAINTAINED BY QATS-GO

PROGRAM: NISIRUMB-QAISI02  
 FILE: C007133  
 PLANT: CATAWBA UNIT 1  
 KEY: ITEM NUMBER B05

DUKE POWER COMPANY  
 QUALITY ASSURANCE DEPARTMENT  
 PRE-SERVICE AND IN-SERVICE INSPECTION SYSTEM  
 CATAWBA 1 OUTAGE 7 INSERVICE INSPECTION LISTING

PAGE 11  
 DATE 03/10/94

ITEM NUMBER	ID. NUMBER	DRAWING NUMBERS	LOCS.	INSP. PROC. REQ. NUMBERS	MATERIAL TYPE/GRADE	DIAM./THICK	CALIB BLOCK	COMMENTS
B05.010.000	REACTOR VESSEL	NOZZLE TO SAFE END** BUTT WELDS*****		*** *****	*****	--- ---	*****	NOMINAL PIPE SIZE 4 INCH AND** GREATER*****
B05.010.001	IRPV-W11-SE	CNM 1201.01-64 CN-INC-024		UT ISI-138	CS/SS	27.50 02.200	50386	RV INLET NOZZLE TO SAFE END 67 DEG. UT FROM NOZZLE SIDE CAL.BLK.#50304 NEAR SURFACE
B05.010.001A	IRPV-W11-SE	CNM 1201.01-64 CN-INC-024		UT ISI-138	CS/SS	27.50 02.200	50386	RV INLET NOZZLE TO SAFE END 67 DEG. UT FROM PIPE SIDE
B05.010.001B	IRPV-W11-SE	CNM 1201.01-64 CN-INC-024		PT NDE-35	CS/SS	27.50 02.200	-----	-----
B05.010.002	IRPV-W12-SE	CNM 1201.01-64 CN-INC-022		UT ISI-138	CS/SS	27.50 02.200	50386	RV INLET NOZZLE TO SAFE END 113 DEG. UT FROM NOZZLE SIDE CAL.BLK.#50304 NEAR SURFACE
B05.010.002A	IRPV-W12-SE	CNM 1201.01-64 CN-INC-022		UT ISI-138	CS/SS	27.50 02.200	50386	RV INLET NOZZLE TO SAFE END 113 DEG. UT FROM PIPE SIDE
B05.010.002B	IRPV-W12-SE	CNM 1201.01-64 CN-INC-022		PT NDE-35	CS/SS	27.50 02.200	-----	-----
B05.010.003	IRPV-W13-SE	CNM 1201.01-64 CN-INC-025		UT ISI-138	CS/SS	27.50 02.200	50386	RV INLET NOZZLE TO SAFE END 247 DEG. UT FROM NOZZLE SIDE CAL.BLK.#50304 NEAR SURFACE



PROGRAM: NISIRUMB-QAISI02  
 FILE: C007133  
 PLANT: CATAWBA UNIT 1  
 KEY: ITEM NUMBER B05

DUKE POWER COMPANY  
 QUALITY ASSURANCE DEPARTMENT  
 PRE-SERVICE AND IN-SERVICE INSPECTION SYSTEM  
 CATAWBA 1 OUTAGE 7 INSERVICE INSPECTION LISTING

PAGE 12  
 DATE 03/10/94

ITEM NUMBER	ID. NUMBER	DRAWING NUMBERS	LOCS.	INSP. REQ. PROC. NUMBERS	MATERIAL TYPE/GRADE	DIAM. THICK	CALIB. BLOCK	COMMENTS
B05.010.003A	IRPV-W13-SE	CNM 1201.01-64 CN-1NC-025	_____	UT ISI-138	CS/SS	27.50 02.200	50386	RV INLET NOZZLE TO SAFE END 247 DEG. UT FROM PIPE SIDE
B05.010.003B	IRPV-W13-SE	CNM 1201.01-64 CN-1NC-025	_____	PT NDE-35	CS/SS	27.50 02.200	-----	-----
B05.010.004	IRPV-W14-SE	CNM 1201.01-64 CN-1NC-023	_____	UT ISI-138	CS/SS	27.50 02.200	50386	RV INLET NOZZLE TO SAFE END 293 DEG. UT FROM NOZZLE SIDE CAL.BLK.#50304 NEAR SURFACE
B05.010.004A	IRPV-W14-SE	CNM 1201.01-64 CN-1NC-023	_____	UT ISI-138	CS/SS	27.50 02.200	50386	RV INLET NOZZLE TO SAFE END 293 DEG. UT FROM PIPE SIDE
B05.010.004B	IRPV-W14-SE	CNM 1201.01-64 CN-1NC-023	_____	PT NDE-35	CS/SS	27.50 02.200	-----	-----
B05.010.005	IRPV-W15-SE	CNM 1201.01-65 CN-1NC-024	_____	UT ISI-138	CS/SS	29.00 02.300	50386	RV OUTLET NOZZLE TO SAFE END 22 DEG. UT FROM NOZZLE SIDE REF.REQUEST FOR RELIEF #93-02 CAL.BLK.#50304 NEAR SURFACE
B05.010.005A	IRPV-W15-SE	CNM 1201.01-65 CN-1NC-024	_____	UT ISI-138	CS/SS	29.00 02.300	50386	RV OUTLET NOZZLE TO SAFE END 22 DEG. UT FROM PIPE SIDE CAL.BK.#50305 USED OUT.2 REF.REQUEST FOR RELIEF #93-02
B05.010.006	IRPV-W16-SE	CNM 1201.01-65 CN-1NC-022	_____	UT ISI-138	CS/SS	29.00 02.300	50386	RV OUTLET NOZZLE TO SAFE END 158 DEG. UT FROM NOZZLE SIDE REF.REQUEST FOR RELIEF #93-02 CAL.BLK.#50304 NEAR SURFACE

PROGRAM: NISIRUNB-QAISI02  
 FILE: C007133  
 PLANT: CATAMBA UNIT 1  
 KEY: ITEM NUMBER B05

DUKE POWER COMPANY  
 QUALITY ASSURANCE DEPARTMENT  
 PRE-SERVICE AND IN-SERVICE INSPECTION SYSTEM  
 CATAMBA 1 OUTAGE 7 INSERVICE INSPECTION LISTING

PAGE 13  
 DATE 03/10/94

ITEM NUMBER	ID. NUMBER	DRAWING NUMBERS	LOCS.	INSP. REQ.	PROC. NUMBERS	MATERIAL TYPE/GRADE	DIAM./THICK	CALIB BLOCK	COMMENTS
B05.010.006A	1RPV-W16-SE	CNM 1201.01-65 CN-INC-022	_____	UT	ISI-138	CS/SS	29.00 02.300	50386	RV OUTLET NOZZLE TO SAFE END 158 DEG. UT FROM PIPE SIDE CAL.BK.#50305 USED OUT.2 REF.REQUEST FOR RELIEF #93-02
B05.010.007	1RPV-W17-SE	CNM 1201.01-65 CN-INC-025	_____	UT	ISI-138	CS/SS	29.00 02.300	50386	RV OUTLET NOZZLE TO SAFE END 202 DEG. UT FROM NOZZLE SIDE REF.REQUEST FOR RELIEF #93-02 CAL.BLK.#50304 NEAR SURFACE
B05.010.007A	1RPV-W17-SE	CNM 1201.01-65 CN-INC-025	_____	UT	ISI-138	CS/SS	29.00 02.300	50386	RV OUTLET NOZZLE TO SAFE END 202 DEG. UT FROM PIPE SIDE CAL.BK.#50305 USED OUT.2 REF.REQUEST FOR RELIEF #93-02
B05.010.008	1RPV-W18-SE	CNM 1201.01-65 CN-INC-023	_____	UT	ISI-138	CS/SS	29.00 02.300	50386	RV OUTLET NOZZLE TO SAFE END 338 DEG. UT FROM NOZZLE SIDE REF.REQUEST FOR RELIEF #93-02 CAL.BLK.#50304 NEAR SURFACE
B05.010.008A	1RPV-W18-SE	CNM 1201.01-65 CN-INC-023	_____	UT	ISI-138	CS/SS	29.00 02.300	50386	RV OUTLET NOZZLE TO SAFE END 338 DEG. UT FROM PIPE SIDE CAL.BK.#50305 USED OUT.2 REF.REQUEST FOR RELIEF #93-02
B05.040.000	***PRESSURIZER	NOZZLE TO SAFE END** BUTT WELDS*****	_____	***	*****	*****	_____	*****	NOMINAL PIPE SIZE 4 INCH AND** GREATER*****
B05.040.004	1PZR-W4ASE	CNM 1201.01-175/1 CNM 1201.01-175/2	_____	UT	NDE-600 NDE-610	CS/SS	06.00 00.960	50250	PRESSURIZER SAFETY NOZZLE SAFE END REF.RFR #94-01
B05.040.005	1PZR-W4BSE	CNM 1201.01-175/1 CNM 1201.01-175/2	_____	UT	NDE-600 NDE-610	CS/SS	06.00 00.960	50250	PRESSURIZER SAFETY NOZZLE SAFE END REF.RFR #94-01

PROGRAM: NISIRUNB-QAISI02  
 FILE: C007133  
 PLANT: CATAWBA UNIT 1  
 KEY: ITEM NUMBER B05

DUKE POWER COMPANY  
 QUALITY ASSURANCE DEPARTMENT  
 PRE-SERVICE AND IN-SERVICE INSPECTION SYSTEM  
 CATAWBA 1 OUTAGE 7 INSERVICE INSPECTION LISTING

PAGE 14  
 DATE 03/10/94

ITEM NUMBER	ID. NUMBER	DRAWING NUMBERS	LOCS.	INSP. REQ.	PROC. NUMBERS	MATERIAL TYPE/GRADE	DIAM. THICK	CALIB BLOCK	COMMENTS
B05.040.006	1PZR-W4CSE	CNM 1201.01-175/1 CNM 1201.01-175/2	_____	UT	NDE-600 NDE-610	CS/SS	06.00 00.960	50250	PRESSURIZER SAFETY NOZZLE SAFE END REF.RFR #94-01
B05.070.000	*****STEAM	GENERATOR NOZZLE TO* SAFE END BUTT WELDS*	_____	***	*****	*****	_____	*****	NOMINAL PIPE SIZE 4 INCH AND** GREATER*****
B05.070.005	1SGC-INLET-SE	CNM 1201.01-86 CN-INC-025	_____	UT	NDE-610	CS/SS	31.00 02.500	50386	SGIC INLET NOZZLE SAFE END REF.RFR #94-01
B05.070.005A	1SGC-INLET-SE	CNM 1201.01-86 CN-INC-025	_____	PT	NDE-35	CS/SS	31.00 02.500	-----	SGIC INLET NOZZLE SAFE END
B05.070.006	1SGC-OUTLET-SE	CNM 1201.01-86 CN-INC-025	_____	UT	NDE-610	CS/SS	31.00 02.500	50386	SGIC OUTLET NOZZLE SAFE END REF.RFR #94-01
B05.070.006A	1SGC-OUTLET-SE	CNM 1201.01-86 CN-INC-025	_____	PT	NDE-35	CS/SS	31.00 02.500	-----	SGIC OUTLET NOZZLE SAFE END
B05.130.000	CLASS 1 PIPING	DISSIMILAR METAL**** BUTT WELDS*****	_____	***	*****	*****	_____	*****	NOMINAL PIPE SIZE 4 INCH AND** GREATER*****
B05.130.001	INC22-01	CN-INC-022 CN-1553-1.0	_____	UT	ISI-138	CS/SS	29.00 02.300	50386	UT FROM NOZZLE SIDE TO BE DONE WITH B05.010.006 REF.REQUEST FOR RELIEF #93-02 CAL.BLK.#50304 NEAR SURFACE

PROGRAM: NISIRUNB-QAISI02  
 FILE: C007133  
 PLANT: CATAWBA UNIT 1  
 KEY: ITEM NUMBER B05

DUKE POWER COMPANY  
 QUALITY ASSURANCE DEPARTMENT  
 PRE-SERVICE AND IN-SERVICE INSPECTION SYSTEM  
 CATAWBA 1 OUTAGE 7 INSERVICE INSPECTION LISTING

PAGE 15  
 DATE 03/10/94

ITEM NUMBER	ID. NUMBER	DRAWING NUMBERS	LOCS.	INSP PROC. REQ. NUMBERS	MATERIAL TYPE/GRADE	DIAM./ THICK	CALIB BLOCK	COMMENTS
B05.130.001A	INC22-01	CN-INC-022 CN-1553-1.0	_____	UT ISI-138	CS/SS	29.00 02.300	50386	UT FROM PIPE SIDE TO BE DONE WITH B05.010.006A CAL.BK.#50305 USED OUT.2 REF.REQUEST FOR RELIEF #93-02
B05.130.004	INC22-08	CN-INC-022 CN-1553-1.0	_____	UT ISI-138	CS/SS	27.50 02.200	50386	UT FROM NOZZLE SIDE TO BE DONE WITH B05.010.002 CAL.BLK.#50304 NEAR SURFACE
B05.130.004A	INC22-08	CN-INC-022 CN-1553-1.0	_____	UT ISI-138	CS/SS	27.50 02.200	50386	UT FROM PIPE SIDE TO BE DONE WITH B05.010.002A
B05.130.004B	INC22-08	CN-INC-022 CN-1553-1.0	_____	PT NDE-35	CS/SS	27.50 02.200	-----	TO BE DONE WITH B05.010.002B
B05.130.005	INC23-01	CN-INC-023 CN-1553-1.0	_____	UT ISI-138	CS/SS	29.00 02.300	50386	UT FROM NOZZLE SIDE TO BE DONE WITH B05.010.008 REF.REQUEST FOR RELIEF #93-02 CAL.BLK.#50304 NEAR SURFACE
B05.130.005A	INC23-01	CN-INC-023 CN-1553-1.0	_____	UT ISI-138	CS/SS	29.00 02.300	50386	UT FROM PIPE SIDE TO BE DONE WITH B05.010.008A CAL.BK.#50305 USED OUT.2 REF.REQUEST FOR RELIEF #93-02
B05.130.008	INC23-08	CN-INC-023 CN-1553-1.0	_____	UT ISI-138	CS/SS	27.50 02.200	50386	UT FROM NOZZLE SIDE TO BE DONE WITH B05.010.004 CAL.BLK.#50304 NEAR SURFACE
B05.130.008A	INC23-08	CN-INC-023 CN-1553-1.0	_____	UT ISI-138	CS/SS	27.50 02.200	50386	UT FROM PIPE SIDE TO BE DONE WITH B05.010.004A

PROGRAM: NISIRUNB-QAISI02  
 FILE: C007133  
 PLANT: CATAWBA UNIT 1  
 KEY: ITEM NUMBER B05

DUKE POWER COMPANY  
 QUALITY ASSURANCE DEPARTMENT  
 PRE-SERVICE AND IN-SERVICE INSPECTION SYSTEM  
 CATAWBA 1 OUTAGE 7 INSERVICE INSPECTION LISTING

PAGE 16  
 DATE 03/10/94

ITEM NUMBER	ID. NUMBER	DRAWING NUMBERS	LOCS.	INSP. REQ.	PROC. NUMBERS	MATERIAL TYPE/GRADE	DIAM. THICK	CALIB BLOCK	COMMENTS
B05.130.008B	INC23-08	CN-INC-023 CN-1553-1.0	_____	PT	NDE-35	CS/SS	27.50 02.200	-----	TO BE DONE WITH B05.010.004B
B05.130.009	INC24-01	CN-INC-024 CN-1553-1.0	_____	UT	ISI-138	CS/SS	29.00 02.300	50386	UT FROM NOZZLE SIDE TO BE DONE WITH B05.010.005 REF.REQUEST FOR RELIEF #93-02 CAL.BLK.#50304 NEAR SURFACE
B05.130.009A	INC24-01	CN-INC-024 CN-1553-1.0	_____	UT	ISI-138	CS/SS	29.00 02.300	50386	UT FROM PIPE SIDE TO BE DONE WITH B05.010.005A CAL.BK.#50305 USED OUT.2 REF.REQUEST FOR RELIEF #93-02
B05.130.012	INC24-08	CN-INC-024 CN-1553-1.0	_____	UT	ISI-138	CS/SS	27.50 02.200	50386	UT FROM NOZZLE SIDE TO BE DONE WITH B05.010.001 CAL.BLK.#50304 NEAR SURFACE
B05.130.012A	INC24-08	CN-INC-024 CN-1553-1.0	_____	UT	ISI-138	CS/SS	27.50 02.200	50386	UT FROM PIPE SIDE TO BE DONE WITH B05.010.001A
B05.130.012B	INC24-08	CN-INC-024 CN-1553-1.0	_____	PT	NDE-35	CS/SS	27.50 02.200	-----	TO BE DONE WITH B05.010.001B
B05.130.013	INC25-01	CN-INC-025 CN-1553-1.0	_____	UT	ISI-138	CS/SS	29.00 02.300	50386	UT FROM NOZZLE SIDE TO BE DONE WITH B05.010.007 REF.REQUEST FOR RELIEF #93-02 CAL.BLK.#50304 NEAR SURFACE
B05.130.013A	INC25-01	CN-INC-025 CN-1553-1.0	_____	UT	ISI-138	CS/SS	29.00 02.300	50386	UT FROM PIPE SIDE TO BE DONE WITH B05.010.007A CAL.BK.#50305 USED OUT.2 REF.REQUEST FOR RELIEF #93-02

PROGRAM: NISIRUNB-QAISI02  
 FILE: C007133  
 PLANT: CATANBA UNIT 1  
 KEY: ITEM NUMBER B05

DUKE POWER COMPANY  
 QUALITY ASSURANCE DEPARTMENT  
 PRE-SERVICE AND IN-SERVICE INSPECTION SYSTEM  
 CATANBA 1 OUTAGE 7 INSERVICE INSPECTION LISTING

PAGE 17  
 DATE 03/10/94

ITEM NUMBER	ID. NUMBER	DRAWING NUMBERS	LOCS.	INSP. REQ.	PROC. NUMBERS	MATERIAL TYPE/GRADE	DIAM./THICK	CALIB BLOCK	COMMENTS
B05.130.014	INC25-02	CN-INC-025 CN-1553-1.0	_____	UT	NDE-610	CS/SS	31.00 02.500	50386	UT FROM PIPE SIDE TO BE DONE WITH B05.070.005 REF.RFR #94-01
B05.130.014A	INC25-02	CN-INC-025 CN-1553-1.0	_____	PT	NDE-35	CS/SS	31.00 02.500	-----	TO BE DONE WITH B05.070.005A
B05.130.015	INC25-03	CN-INC-025 CN-1553-1.0	_____	UT	NDE-610	CS/SS	31.00 02.500	50386	UT FROM PIPE SIDE TO BE DONE WITH B05.070.006 REF.RFR #94-01
B05.130.015A	INC25-03	CN-INC-025 CN-1553-1.0	_____	PT	NDE-35	CS/SS	31.00 02.500	-----	TO BE DONE WITH B05.070.006A
B05.130.016	INC25-08	CN-INC-025 CN-1553-1.0	_____	UT	ISI-138	CS/SS	27.50 02.200	50386	UT FROM NOZZLE SIDE TO BE DONE WITH B05.010.003 CAL.BLK.#50304 NEAR SURFACE
B05.130.016A	INC25-08	CN-INC-025 CN-1553-1.0	_____	UT	ISI-138	CS/SS	27.50 02.200	50386	UT FROM PIPE SIDE TO BE DONE WITH B05.010.003A
B05.130.016B	INC25-08	CN-INC-025 CN-1553-1.0	_____	PT	NDE-35	CS/SS	27.50 02.200	-----	TO BE DONE WITH B05.010.003B

PROGRAM: NISIRUNB-QAISI02  
 FILE: C007133  
 PLANT: CATAHBA UNIT 1  
 KEY: ITEM NUMBER B06

DUKE POWER COMPANY  
 QUALITY ASSURANCE DEPARTMENT  
 PRE-SERVICE AND IN-SERVICE INSPECTION SYSTEM  
 CATAHBA 1 OUTAGE 7 INSERVICE INSPECTION LISTING

PAGE 13  
 DATE 03/10/94

ITEM NUMBER	ID. NUMBER	DRAWING NUMBERS	LOCS.	INSP. REQ.	PROC. NUMBERS	MATERIAL TYPE/GRADE	DIAM./THICK	CALIB BLOCK	COMMENTS
B06.010.000	REACTOR VESSEL	CLOSURE HEAD NUTS*** *****		***	*****	*****		*****	*****
B06.010.031	1RPV-NUT-31	CNM 1201.01-105 RDM 30738-1544		MT	NDE-25	CS	10.54 01.770	-----	1RPV-743-32-31
B06.010.032	1RPV-NUT-32	CNM 1201.01-105 RDM 30738-1544		MT	NDE-25	CS	10.54 01.770	-----	1RPV-743-32-32
B06.010.033	1RPV-NUT-33	CNM 1201.01-105 RDM 30738-1544		MT	NDE-25	CS	10.54 01.770	-----	1RPV-743-32-33
B06.010.034	1RPV-NUT-34	CNM 1201.01-105 RDM 30738-1544		MT	NDE-25	CS	10.54 01.770	-----	1RPV-743-32-34
B06.010.035	1RPV-NUT-35	CNM 1201.01-105 RDM 30738-1544		MT	NDE-25	CS	10.54 01.770	-----	1RPV-743-32-35
B06.010.036	1RPV-NUT-36	CNM 1201.01-105 RDM 30738-1544		MT	NDE-25	CS	10.54 01.770	-----	1RPV-743-32-36
B06.010.037	1RPV-NUT-37	CNM 1201.01-105 RDM 30738-1544		MT	NDE-25	CS	10.54 01.770	-----	1RPV-743-32-37

PROGRAM: NISIRUNB-QAISI02  
 FILE: C007133  
 PLANT: CATAWBA UNIT 1  
 KEY: ITEM NUMBER B06

DUKE POWER COMPANY  
 QUALITY ASSURANCE DEPARTMENT  
 PRE-SERVICE AND IN-SERVICE INSPECTION SYSTEM  
 CATAWBA 1 OUTAGE 7 INSERVICE INSPECTION LISTING

PAGE 19  
 DATE 03/10/94

ITEM NUMBER	ID. NUMBER	DRAWING NUMBERS	LOCS.	INSP. REQ.	PROC. NUMBERS	MATERIAL TYPE/GRADE	DIAM./THICK	CALIB BLOCK	COMMENTS
B06.010.038	IRPV-NUT-38	CNM 1201.01-105 RDM 30738-1544	_____	MT	NDE-25	CS	10.54 01.770	-----	IRPV-743-32-38
B06.010.039	IRPV-NUT-39	CNM 1201.01-105 RDM 30738-1544	_____	MT	NDE-25	CS	10.54 01.770	-----	IRPV-743-32-39
B06.010.040	IRPV-NUT-40	CNM 1201.01-105 RDM 30738-1544	_____	MT	NDE-25	CS	10.54 01.770	-----	IRPV-743-32-40
B06.010.041	IRPV-NUT-S3	CNM 1201.01-105 RDM 30738-1544	_____	MT	NDE-25	CS	10.54 01.770	-----	IRPV-589-32-S3
B06.010.042	IRPV-NUT-42	CNM 1201.01-105 RDM 30738-1544	_____	MT	NDE-25	CS	10.54 01.770	-----	IRPV-743-32-42
B06.010.043	IRPV-NUT-43	CNM 1201.01-105 RDM 30738-1544	_____	MT	NDE-25	CS	10.54 01.770	-----	IRPV-743-32-43
B06.010.044	IRPV-NUT-44	CNM 1201.01-105 RDM 30738-1544	_____	MT	NDE-25	CS	10.54 01.770	-----	IRPV-743-32-44
B06.010.045	IRPV-NUT-45	CNM 1201.01-105 RDM 30738-1544	_____	MT	NDE-25	CS	10.54 01.770	-----	IRPV-743-32-45



PROGRAM: NISIRUNS-QAISI02  
 FILE: C007133  
 PLANT: CATAWBA UNIT 1  
 KEY: ITEM NUMBER B06

DUKE POWER COMPANY  
 QUALITY ASSURANCE DEPARTMENT  
 PRE-SERVICE AND IN-SERVICE INSPECTION SYSTEM  
 CATAWBA 1 OUTAGE 7 INSERVICE INSPECTION LISTING

PAGE 20  
 DATE 03/10/94

ITEM NUMBER	ID. NUMBER	DRAWING NUMBERS	LOCS.	INSP. PROC. REQ. NUMBERS	MATERIAL TYPE/GRADE	DIAM. / THICK	CALIB BLOCK	COMMENTS
B06.010.046	IRPV-NUT-46	CNM 1201.01-105 RDM 30738-1544	_____	MT NDE-25	CS	10.54 01.770	-----	IRPV-743-32-46
B06.010.047	IRPV-NUT-47	CNM 1201.01-105 RDM 30738-1544	_____	MT NDE-25	CS	10.54 01.770	-----	IRPV-743-32-47
B06.010.048	IRPV-NUT-48	CNM 1201.01-105 RDM 30738-1544	_____	MT NDE-25	CS	10.54 01.770	-----	IRPV-743-32-48
B06.010.049	IRPV-NUT-49	CNM 1201.01-105 RDM 30738-1544	_____	MT NDE-25	CS	10.54 01.770	-----	IRPV-743-32-49
B06.010.050	IRPV-NUT-50	CNM 1201.01-105 RDM 30738-1544	_____	MT NDE-25	CS	10.54 01.770	-----	IRPV-743-32-50
B06.010.051	IRPV-NUT-51	CNM 1201.01-105 RDM 30738-1544	_____	MT NDE-25	CS	10.54 01.770	-----	IRPV-743-32-51
B06.010.052	IRPV-NUT-52	CNM 1201.01-105 RDM 30738-1544	_____	MT NDE-25	CS	10.54 01.770	-----	IRPV-743-32-52
B06.010.053	IRPV-NUT-53	CNM 1201.01-105 RDM 30738-1544	_____	MT NDE-25	CS	10.54 01.770	-----	IRPV-743-32-53

PROGRAM: NISIRUNB-QAISI02  
 FILE: C007133  
 PLANT: CATAWBA UNIT 1  
 KEY: ITEM NUMBER B06

DUKE POWER COMPANY  
 QUALITY ASSURANCE DEPARTMENT  
 PRE-SERVICE AND IN-SERVICE INSPECTION SYSTEM  
 CATAWBA 1 OUTAGE 7 INSERVICE INSPECTION LISTING

PAGE 21  
 DATE 03/10/94

ITEM NUMBER	ID. NUMBER	DRAWING NUMBERS	LOCS.	INSP. REQ.	PROC. NUMBERS	MATERIAL TYPE/GRADE	DIAM./THICK	CALIB BLOCK	COMMENTS
B06.010.054	IRPV-NUT-54	CNM 1201.01-105 RDM 30738-1544	_____	MT	NDE-25	CS	10.54 01.770	-----	IRPV-743-32-54
B06.020.000	REACTOR VESSEL	CLOSURE STUDS***** *****	_____	***	*****	*****	___	*****	IN PLACE***** *****
B06.030.000	REACTOR VESSEL	CLOSURE STUDS***** *****	_____	***	*****	*****	___	*****	WHEN REMOVED***** *****
B06.030.031	IRPV-STUD-31	CNM 1201.01-105 RDM 30738-1544	_____	UT	NDE-44	CS	07.00 64.560		IRPV-743-31-31
B06.030.031A	IRPV-STUD-31	CNM 1201.01-105 RDM 30738-1544	_____	MT	NDE-25	CS	07.00 64.560	-----	IRPV-743-31-31
B06.030.032	IRPV-STUD-32	CNM 1201.01-105 RDM 30738-1544	_____	UT	NDE-44	CS	07.00 64.560	50336	IRPV-743-31-32
B06.030.032A	IRPV-STUD-32	CNM 1201.01-105 RDM 30738-1544	_____	MT	NDE-25	CS	07.00 64.560	-----	IRPV-743-31-32
B06.030.033	IRPV-STUD-33	CNM 1201.01-105 RDM 30738-1544	_____	UT	NDE-44	CS	07.00 64.560	50336	IRPV-743-31-33

PROGRAM: NISIRUNB-QAISI02  
 FILE: C007133  
 PLANT: CATAMBA UNIT 1  
 KEY: ITEM NUMBER B06

DUKE POWER COMPANY  
 QUALITY ASSURANCE DEPARTMENT  
 PRE-SERVICE AND IN-SERVICE INSPECTION SYSTEM  
 CATAMBA 1 OUTAGE 7 INSERVICE INSPECTION LISTING

PAGE 22  
 DATE 03/10/94

ITEM NUMBER	ID. NUMBER	DRAWING NUMBERS	LOCS.	INSP. REQ.	PROC. NUMBERS	MATERIAL TYPE/GRADE	DIAM./THICK	CALIB BLOCK	COMMENTS
B06.030.033A	IRPV-STUD-33	CNM 1201.01-105 RDM 30738-1544	_____	MT	NDE-25	CS	07.00 64.560	-----	IRPV-743-31-33
B06.030.034	IRPV-STUD-34	CNM 1201.01-105 RDM 30738-1544	_____	UT	NDE-44	CS	07.00 64.560	50336	IRPV-743-31-34
B06.030.034A	IRPV-STUD-34	CNM 1201.01-105 RDM 30738-1544	_____	MT	NDE-25	CS	07.00 64.560	-----	IRPV-743-31-34
B06.030.035	IRPV-STUD-35	CNM 1201.01-105 RDM 30738-1544	_____	UT	NDE-44	CS	07.00 64.560	50336	IRPV-743-31-35
B06.030.035A	IRPV-STUD-35	CNM 1201.01-105 RDM 30738-1544	_____	MT	NDE-25	CS	07.00 64.560	-----	IRPV-743-31-35
B06.030.036	IRPV-STUD-36	CNM 1201.01-105 RDM 30738-1544	_____	UT	NDE-44	CS	07.00 64.560	50336	IRPV-743-31-36
B06.030.036A	IRPV-STUD-36	CNM 1201.01-105 RDM 30738-1544	_____	MT	NDE-25	CS	07.00 64.560	-----	IRPV-743-31-36
B06.030.037	IRPV-STUD-37	CNM 1201.01-105 RDM 30738-1544	_____	UT	NDE-44	CS	07.00 64.560	50336	IRPV-743-31-37

PROGRAM: NISIRUNB-QAISI02  
 FILE: C007133  
 PLANT: CATAWBA UNIT 1  
 KEY: ITEM NUMBER B06

DUKE POWER COMPANY  
 QUALITY ASSURANCE DEPARTMENT  
 PRE-SERVICE AND IN-SERVICE INSPECTION SYSTEM  
 CATAWBA 1 OUTAGE 7 INSERVICE INSPECTION LISTING

PAGE 23  
 DATE 03/10/94

ITEM NUMBER	ID. NUMBER	DRAWING NUMBERS	LOCS.	INSP. REQ. NUMBERS	PROC. TYPE/GRADE	MATERIAL	DIAM. THICK	CALIB. BLOCK	COMMENTS
B06.030.037A	IRPV-STUD-37	CNM 1201.01-105 RDM 30738-1544	_____	MT	NDE-25	CS	07.00 64.560	-----	IRPV-743-31-37
B06.030.038	IRPV-STUD-38	CNM 1201.01-105 RDM 30738-1544	_____	UT	NDE-44	CS	07.00 64.560	50336	IRPV-743-31-38
B06.030.038A	IRPV-STUD-38	CNM 1201.01-105 RDM 30738-1544	_____	MT	NDE-25	CS	07.00 64.560	-----	IRPV-743-31-38
B06.030.039	IRPV-STUD-39	CNM 1201.01-105 RDM 30738-1544	_____	UT	NDE-44	CS	07.00 64.560	50336	IRPV-743-31-39
B06.030.039A	IRPV-STUD-39	CNM 1201.01-105 RDM 30738-1544	_____	MT	NDE-25	CS	07.00 64.560	-----	IRPV-743-31-39
B06.030.040	IRPV-STUD-40	CNM 1201.01-105 RDM 30738-1544	_____	UT	NDE-44	CS	07.00 64.560	50336	IRPV-743-31-40
B06.030.040A	IRPV-STUD-40	CNM 1201.01-105 RDM 30738-1544	_____	MT	NDE-25	CS	07.00 64.560	-----	IRPV-743-31-40
B06.030.041	IRPV-STUD-S2	CNM 1201.01-105 RDM 30738-1544	_____	UT	NDE-44	CS	07.00 64.560	50336	IRPV-589-31-S2

PROGRAM: NISIRUMB-QAISI02  
 FILE: C007133  
 PLANT: CATAWBA UNIT 1  
 KEY: ITEM NUMBER B06

DUKE POWER COMPANY  
 QUALITY ASSURANCE DEPARTMENT  
 PRE-SERVICE AND IN-SERVICE INSPECTION SYSTEM  
 CATAWBA 1 OUTAGE 7 INSERVICE INSPECTION LISTING

PAGE 24  
 DATE 03/10/94

ITEM NUMBER	ID. NUMBER	DRAWING NUMBERS	LOCS.	INSP. REQ.	PROC. NUMBERS	MATERIAL TYPE/GRADE	DIAM./ THICK.	CALIB BLOCK	COMMENTS
B06.030.041A	IRPV-STUD-S2	CNM 1201.01-105 RDM 30738-1544	_____	MT	NDE-25	CS	07.00 64.560	-----	IRPV-589-31-S2
B06.030.042	IRPV-STUD-42	CNM 1201.01-105 RDM 30738-1544	_____	UT	NDE-44	CS	07.00 64.560	50336	IRPV-743-31-42
B06.030.042A	IRPV-STUD-42	CNM 1201.01-105 RDM 30738-1544	_____	MT	NDE-25	CS	07.00 64.560	-----	IRPV-743-31-42
B06.030.043	IRPV-STUD-43	CNM 1201.01-105 RDM 30738-1544	_____	UT	NDE-44	CS	07.00 64.560	50336	IRPV-743-31-43
B06.030.043A	IRPV-STUD-43	CNM 1201.01-105 RDM 30738-1544	_____	MT	NDE-25	CS	07.00 64.560	-----	IRPV-743-31-43
B06.030.044	IRPV-STUD-44	CNM 1201.01-105 RDM 30738-1544	_____	UT	NDE-44	CS	07.00 64.560	50336	IRPV-743-31-44
B06.030.044A	IRPV-STUD-44	CNM 1201.01-105 RDM 30738-1544	_____	MT	NDE-25	CS	07.00 64.560	-----	IRPV-743-31-44
B06.030.045	IRPV-STUD-45	CNM 1201.01-105 RDM 30738-1544	_____	UT	NDE-44	CS	07.00 64.560	50336	IRPV-743-31-45

PROGRAM: NISIRUNB-QAISI02  
 FILE: C007133  
 PLANT: CATAHBA UNIT 1  
 KEY: ITEM NUMBER B06

DUKE POWER COMPANY  
 QUALITY ASSURANCE DEPARTMENT  
 PRE-SERVICE AND IN-SERVICE INSPECTION SYSTEM  
 CATAHBA 1 OUTAGE 7 INSERVICE INSPECTION LISTING

PAGE 25  
 DATE 03/10/94

ITEM NUMBER	ID. NUMBER	DRAWING NUMBERS	LOCS.	INSP REQ.	PROC. NUMBERS	MATERIAL TYPE/GRADE	DIAM./ THICK	CALIB BLOCK	COMMENTS
B06.030.045A	IRPV-STUD-45	CNM 1201.01-105 RDM 30738-1544	_____	MT	NDE-25	CS	07.00 64.560	-----	IRPV-743-31-45
B06.030.046	IRPV-STUD-46	CNM 1201.01-105 RDM 30738-1544	_____	UT	NDE-44	CS	07.00 64.560	50336	IRPV-743-31-46
B06.030.046A	IRPV-STUD-46	CNM 1201.01-105 RDM 30738-1544	_____	MT	NDE-25	CS	07.00 64.560	-----	IRPV-743-31-46
B06.030.047	IRPV-STUD-47	CNM 1201.01-105 RDM 30738-1544	_____	UT	NDE-44	CS	07.00 64.560	50336	IRPV-743-31-47
B06.030.047A	IRPV-STUD-47	CNM 1201.01-105 RDM 30738-1544	_____	MT	NDE-25	CS	07.00 64.560	-----	IRPV-743-31-47
B06.030.048	IRPV-STUD-48	CNM 1201.01-105 RDM 30738-1544	_____	UT	NDE-44	CS	07.00 64.560	50336	IRPV-743-31-48
B06.030.048A	IRPV-STUD-48	CNM 1201.01-105 RDM 30738-1544	_____	MT	NDE-25	CS	07.00 64.560	-----	IRPV-743-31-48
B06.030.049	IRPV-STUD-49	CNM 1201.01-105 RDM 30738-1544	_____	UT	NDE-44	CS	07.00 64.560	50336	IRPV-743-31-49

PROGRAM: NISIRUNB-QAISI02  
 FILE: C007133  
 PLANT: CATAMBA UNIT 1  
 KEY: ITEM NUMBER B06

DUKE POWER COMPANY  
 QUALITY ASSURANCE DEPARTMENT  
 PRE-SERVICE AND IN-SERVICE INSPECTION SYSTEM  
 CATAMBA 1 OUTAGE 7 INSERVICE INSPECTION LISTING

PAGE 26  
 DATE 03/10/94

ITEM NUMBER	ID. NUMBER	DRAWING NUMBERS	LOCS.	INSP REQ.	PROC. NUMBERS	MATERIAL TYPE/GRADE	DIAM./ THICK	CALIB BLOCK	COMMENTS
B06.030.049A	IRPV-STUD-49	CNM 1201.01-105 RDM 30738-1544	_____	MT	NDE-25	CS	07.00 64.560	-----	IRPV-743-31-49
B06.030.050	IRPV-STUD-50	CNM 1201.01-105 RDM 30738-1544	_____	UT	NDE-44	CS	07.00 64.560	50336	IRPV-743-31-50
B06.030.050A	IRPV-STUD-50	CNM 1201.01-105 RDM 30738-1544	_____	MT	NDE-25	CS	07.00 64.560	-----	IRPV-743-31-50
B06.030.051	IRPV-STUD-51	CNM 1201.01-105 RDM 30738-1544	_____	UT	NDE-44	CS	07.00 64.560	50336	IRPV-743-31-51
B06.030.051A	IRPV-STUD-51	CNM 1201.01-105 RDM 30738-1544	_____	MT	NDE-25	CS	07.00 64.560	-----	IRPV-743-31-51
B06.030.052	IRPV-STUD-52	CNM 1201.01-105 RDM 30738-1544	_____	UT	NDE-44	CS	07.00 64.560	50336	IRPV-743-31-52
B06.030.052A	IRPV-STUD-52	CNM 1201.01-105 RDM 30738-1544	_____	MT	NDE-25	CS	07.00 64.560	-----	IRPV-743-31-52
B06.030.053	IRPV-STUD-53	CNM 1201.01-105 RDM 30738-1544	_____	UT	NDE-44	CS	07.00 64.560	50336	IRPV-743-31-53

PROGRAM: NISIRUNB-QAISI02  
 FILE: C007133  
 PLANT: CATAWBA UNIT 1  
 KEY: ITEM NUMBER B06

DUKE POWER COMPANY  
 QUALITY ASSURANCE DEPARTMENT  
 PRE-SERVICE AND IN-SERVICE INSPECTION SYSTEM  
 CATAWBA 1 OUTAGE 7 INSERVICE INSPECTION LISTING

PAGE 27  
 DATE 03/10/94

ITEM NUMBER	ID. NUMBER	DRAWING NUMBERS	LOCS.	INSP. REQ.	PROC. NUMBERS	MATERIAL TYPE/GRADE	DIAM./THICK	CALIB BLOCK	COMMENTS
B06.030.053A	IRPV-STUD-53	CNM 1201.01-105 RDM 30738-1544	_____	MT	NDE-25	CS	07.00 64.560	-----	IRPV-743-31-53
B06.030.054	IRPV-STUD-54	CNM 1201.01-105 RDM 30738-1544	_____	UT	NDE-44	CS	07.00 64.560	50336	IRPV-743-31-54
B06.030.054A	IRPV-STUD-54	CNM 1201.01-105 RDM 30738-1544	_____	MT	NDE-25	CS	07.00 64.560	-----	IRPV-743-31-54
B06.040.000	REACTOR VESSEL	THREADS IN FLANGE*** *****	_____	***	*****	*****	---	*****	*****
B06.040.031	IRPV-THREAD-31	CNM 1201.01-32 CNM 1201.01-63	_____	UT	NDE-640	CS	07.00 12.000	50235	THREADS IN FLANGE ALT. EXAM ISI-104 MAY BE USED
B06.040.032	IRPV-THREAD-32	CNM 1201.01-32 CNM 1201.01-63	_____	UT	NDE-640	CS	07.00 12.000	50235	THREADS IN FLANGE ALT. EXAM ISI-104 MAY BE USED
B06.040.033	IRPV-THREAD-33	CNM 1201.01-32 CNM 1201.01-63	_____	UT	NDE-640	CS	07.00 12.000	50235	THREADS IN FLANGE ALT. EXAM ISI-104 MAY BE USED
B06.040.034	IRPV-THREAD-34	CNM 1201.01-32 CNM 1201.01-63	_____	UT	NDE-640	CS	07.00 12.000	50235	THREADS IN FLANGE ALT. EXAM ISI-104 MAY BE USED



PROGRAM: NISIRUNB-QAISI02  
 FILE: C007133  
 PLANT: CATAWBA UNIT 1  
 KEY: ITEM NUMBER B06

DUKE POWER COMPANY  
 QUALITY ASSURANCE DEPARTMENT  
 PRE-SERVICE AND IN-SERVICE INSPECTION SYSTEM  
 CATAWBA 1 OUTAGE 7 INSERVICE INSPECTION LISTING

PAGE 28  
 DATE 03/10/94

ITEM NUMBER	ID. NUMBER	DRAWING NUMBERS	LOCS.	INSP. REQ. NUMBERS	PROC. TYPE/GRADE	MATERIAL	DIAM./THICK	CALIB BLOCK	COMMENTS
B06.040.035	1RPV-THREAD-35	CNM 1201.01-32 CNM 1201.01-63	_____	UT	NDE-640	CS	07.00 12.000	50235	THREADS IN FLANGE ALT. EXAM ISI-104 MAY BE USED
B06.040.036	1RPV-THREAD-36	CNM 1201.01-32 CNM 1201.01-63	_____	UT	NDE-640	CS	07.00 12.000	50235	THREADS IN FLANGE ALT. EXAM ISI-104 MAY BE USED
B06.040.037	1RPV-THREAD-37	CNM 1201.01-32 CNM 1201.01-63	_____	UT	NDE-640	CS	07.00 12.000	50235	THREADS IN FLANGE ALT. EXAM ISI-104 MAY BE USED
B06.040.038	1RPV-THREAD-38	CNM 1201.01-32 CNM 1201.01-63	_____	UT	NDE-640	CS	07.00 12.000	50235	THREADS IN FLANGE ALT. EXAM ISI-104 MAY BE USED
B06.040.039	1RPV-THREAD-39	CNM 1201.01-32 CNM 1201.01-63	_____	UT	NDE-640	CS	07.00 12.000	50235	THREADS IN FLANGE ALT. EXAM ISI-104 MAY BE USED
B06.040.040	1RPV-THREAD-40	CNM 1201.01-32 CNM 1201.01-63	_____	UT	NDE-640	CS	07.00 12.000	50235	THREADS IN FLANGE ALT. EXAM ISI-104 MAY BE USED
B06.040.041	1RPV-THREAD-41	CNM 1201.01-32 CNM 1201.01-63	_____	UT	NDE-640	CS	07.00 12.000	50235	THREADS IN FLANGE ALT. EXAM ISI-104 MAY BE USED
B06.040.042	1RPV-THREAD-42	CNM 1201.01-32 CNM 1201.01-63	_____	UT	NDE-640	I	07.00 12.000	50235	THREADS IN FLANGE ALT. EXAM ISI-104 MAY BE USED

PROGRAM: NISIRUMB-QAISI02  
 FILE: C007133  
 PLANT: CATAHBA UNIT 1  
 KEY: ITEM NUMBER B06

DUKE POWER COMPANY  
 QUALITY ASSURANCE DEPARTMENT  
 PRE-SERVICE AND IN-SERVICE INSPECTION SYSTEM  
 CATAHBA 1 OUTAGE 7 INSERVICE INSPECTION LISTING

PAGE 29  
 DATE 03/10/94

ITEM NUMBER	ID. NUMBER	DRAWING NUMBERS	LOCS.	INSP. REQ.	PROC. NUMBERS	MATERIAL TYPE/GRADE	DIAM. THICK	CALIB BLOCK	COMMENTS
B06.040.043	IRPV-THREAD-43	CNM 1201.01-32 CNM 1201.01-63	_____	UT	NDE-640	CS	07.00 12.000	50235	THREADS IN FLANGE ALT. EXAM ISI-104 MAY BE USED
B06.040.044	IRPV-THREAD-44	CNM 1201.01-32 CNM 1201.01-63	_____	UT	NDE-640	CS	07.00 12.000	50235	THREADS IN FLANGE ALT. EXAM ISI-104 MAY BE USED
B06.040.045	IRPV-THREAD-45	CNM 1201.01-32 CNM 1201.01-63	_____	UT	NDE-640	CS	07.00 12.000	50235	THREADS IN FLANGE ALT. EXAM ISI-104 MAY BE USED
B06.040.046	IRPV-THREAD-46	CNM 1201.01-32 CNM 1201.01-63	_____	UT	NDE-640	CS	07.00 12.000	50235	THREADS IN FLANGE ALT. EXAM ISI-104 MAY BE USED
B06.040.047	IRPV-THREAD-47	CNM 1201.01-32 CNM 1201.01-63	_____	UT	NDE-640	CS	07.00 12.000	50235	THREADS IN FLANGE ALT. EXAM ISI-104 MAY BE USED
B06.040.048	IRPV-THREAD-48	CNM 1201.01-32 CNM 1201.01-63	_____	UT	NDE-640	CS	07.00 12.000	50235	THREADS IN FLANGE ALT. EXAM ISI-104 MAY BE USED
B06.040.049	IRPV-THREAD-49	CNM 1201.01-32 CNM 1201.01-63	_____	UT	NDE-640	CS	07.00 12.000	50235	THREADS IN FLANGE ALT. EXAM ISI-104 MAY BE USED
B06.040.050	IRPV-THREAD-50	CNM 1201.01-32 CNM 1201.01-63	_____	UT	NDE-640	CS	07.00 12.000	50235	THREADS IN FLANGE ALT. EXAM ISI-104 MAY BE USED

PROGRAM: NISIRUNB-QAISI02  
 FILE: C007133  
 PLANT: CATAMBA UNIT 1  
 KEY: ITEM NUMBER B06

DUKE POWER COMPANY  
 QUALITY ASSURANCE DEPARTMENT  
 PRE-SERVICE AND IN-SERVICE INSPECTION SYSTEM  
 CATAMBA 1 OUTAGE 7 INSERVICE INSPECTION LISTING

PAGE 30  
 DATE 03/10/94

ITEM NUMBER	ID. NUMBER	DRAWING NUMBERS	LOCS.	INSP. REQ.	PROC. NUMBERS	MATERIAL TYPE/GRADE	DIAM./ THICK	CALIB BLOCK	COMMENTS
B06.040.051	IRPV-THREAD-51	CNM 1201.01-32 CNM 1201.01-63	_____	UT	NDE-640	CS	07.00 12.000	50235	THREADS IN FLANGE ALT. EXAM ISI-104 MAY BE USED
B06.040.052	IRPV-THREAD-52	CNM 1201.01-32 CNM 1201.01-63	_____	UT	NDE-640	CS	07.00 12.000	50235	THREADS IN FLANGE ALT. EXAM ISI-104 MAY BE USED
B06.040.053	IRPV-THREAD-53	CNM 1201.01-32 CNM 1201.01-63	_____	UT	NDE-640	CS	07.00 12.000	50235	THREADS IN FLANGE ALT. EXAM ISI-104 MAY BE USED
B06.040.054	IRPV-THREAD-54	CNM 1201.01-32 CNM 1201.01-63	_____	UT	NDE-640	CS	07.00 12.000	50235	THREADS IN FLANGE ALT. EXAM ISI-104 MAY BE USED
B06.050.000	REACTOR VESSEL	CLOSURE WASHERS AND* BUSHINGS*****	_____	***	*****	*****	____	*****	***** *****
B06.050.031	IRPV-WASHER-31	CNM 1201.01-105 RDM 30738-1544	_____	VT1	QAL-13	CS	10.56 01.500	-----	IRPV-743-33-31
B06.050.032	IRPV-WASHER-32	CNM 1201.01-105 RDM 30738-1544	_____	VT1	QAL-13	CS	10.56 01.500	-----	IRPV-743-33-32
B06.050.033	IRPV-WASHER-33	CNM 1201.01-105 RDM 30738-1544	_____	VT1	QAL-13	CS	10.56 01.500	-----	IRPV-743-33-33

PROGRAM: NISIRUNB-QAISI02  
 FILE: C007133  
 PLANT: CATAHBA UNIT 1  
 KEY: ITEM NUMBER B06

DUKE POWER COMPANY  
 QUALITY ASSURANCE DEPARTMENT  
 PRE-SERVICE AND IN-SERVICE INSPECTION SYSTEM  
 CATAHBA 1 OUTAGE 7 INSERVICE INSPECTION LISTING

PAGE 31  
 DATE 03/10/94

ITEM NUMBER	ID. NUMBER	DRAWING NUMBERS	LOCS.	INSP. REQ.	PROC. NUMBERS	MATERIAL TYPE/GRADE	DIAM./THICK	CALIB BLOCK	COMMENTS
B06.050.034	IRPV-WASHER-34	CNM 1201.01-105 RDM 30738-1544	_____	VT1	QAL-13	CS	10.56 01.500	-----	IRPV-743-33-34
B06.050.035	IRPV-WASHER-35	CNM 1201.01-105 RDM 30738-1544	_____	VT1	QAL-13	CS	10.56 01.500	-----	IRPV-743-33-35
B06.050.036	IRPV-WASHER-36	CNM 1201.01-105 RDM 30738-1544	_____	VT1	QAL-13	CS	10.56 01.500	-----	IRPV-743-33-36
B06.050.037	IRPV-WASHER-37	CNM 1201.01-105 RDM 30738-1544	_____	VT1	QAL-13	CS	10.56 01.500	-----	IRPV-743-33-37
B06.050.038	IRPV-WASHER-38	CNM 1201.01-105 RDM 30738-1544	_____	VT1	QAL-13	CS	10.56 01.500	-----	IRPV-743-33-38
B06.050.039	IRPV-WASHER-39	CNM 1201.01-105 RDM 30738-1544	_____	VT1	QAL-13	CS	10.56 01.500	-----	IRPV-743-33-39
B06.050.040	IRPV-WASHER-40	CNM 1201.01-105 RDM 30738-1544	_____	VT1	QAL-13	CS	10.56 01.500	-----	IRPV-743-33-40
B06.050.041	IRPV-WASHER-S3	CNM 1201.01-105 RDM 30738-1544	_____	VT1	QAL-13	CS	10.56 01.500	-----	IRPV-589-33-S3

PROGRAM: NISIRUNB-QAISI02  
 FILE: C007133  
 PLANT: CATAWBA UNIT 1  
 KEY: ITEM NUMBER B06

DUKE POWER COMPANY  
 QUALITY ASSURANCE DEPARTMENT  
 PRE-SERVICE AND IN-SERVICE INSPECTION SYSTEM  
 CATAWBA 1 OUTAGE 7 INSERVICE INSPECTION LISTING

PAGE 32  
 DATE 03/10/94

ITEM NUMBER	ID. NUMBER	DRAWING NUMBERS	LOCS.	INSP. REQ. NUMBERS	PROC. TYPE/GRADE	MATERIAL	DIAM. THICK	CALIB. BLOCK	COMMENTS
B06.050.042	IRPV-WASHER-42	CNM 1201.01-105 RDM 30738-1544	_____	VT1	QAL-13	CS	10.56 01.500	-----	IRPV-743-33-42
B06.050.043	IRPV-WASHER-43	CNM 1201.01-105 RDM 30738-1544	_____	VT1	QAL-13	CS	10.56 01.500	-----	IRPV-743-33-43
B06.050.044	IRPV-WASHER-44	CNM 1201.01-105 RDM 30738-1544	_____	VT1	QAL-13	CS	10.56 01.500	-----	IRPV-743-33-44
B06.050.045	IRPV-WASHER-45	CNM 1201.01-105 RDM 30738-1544	_____	VT1	QAL-13	CS	10.56 01.500	-----	IRPV-743-33-45
B06.050.046	IRPV-WASHER-46	CNM 1201.01-105 RDM 30738-1544	_____	VT1	QAL-13	CS	10.56 01.500	-----	IRPV-743-33-46
B06.050.047	IRPV-WASHER-47	CNM 1201.01-105 RDM 30738-1544	_____	VT1	QAL-13	CS	10.56 01.500	-----	IRPV-743-33-47
B06.050.048	IRPV-WASHER-48	CNM 1201.01-105 RDM 30738-1544	_____	VT1	QAL-13	CS	10.56 01.500	-----	IRPV-743-33-48
B06.050.049	IRPV-WASHER-49	CNM 1201.01-105 RDM 30738-1544	_____	VT1	QAL-13	CS	10.56 01.500	-----	IRPV-743-33-49

PROGRAM: NISIRUMB-QAISI02  
 FILE: C007133  
 PLANT: CATAMBA UNIT 1  
 KEY: ITEM NUMBER B06

DUKE POWER COMPANY  
 QUALITY ASSURANCE DEPARTMENT  
 PRE-SERVICE AND IN-SERVICE INSPECTION SYSTEM  
 CATAMBA 1 OUTAGE 7 INSERVICE INSPECTION LISTING

PAGE 33  
 DATE 03/10/94

ITEM NUMBER	ID. NUMBER	DRAWING NUMBERS	LOCS.	INSP. PROC. REQ. NUMBERS	MATERIAL TYPE/GRADE	DIAM./ THICK	CALIB BLOCK	COMMENTS
B06.050.050	IRPV-WASHER-50	CNM 1201.01-105 RDM 30738-1544	_____	VT1 QAL-13	CS	10.56 01.500	-----	IRPV-743-33-50
B06.050.051	IRPV-WASHER-51	CNM 1201.01-105 RDM 30738-1544	_____	VT1 QAL-13	CS	10.56 01.500	-----	IRPV-743-33-51
B06.050.052	IRPV-WASHER-52	CNM 1201.01-105 RDM 30738-1544	_____	VT1 QAL-13	CS	10.56 01.500	-----	IRPV-743-33-52
B06.050.053	IRPV-WASHER-53	CNM 1201.01-105 RDM 30738-1544	_____	VT1 QAL-13	CS	10.56 01.500	-----	IRPV-743-33-53
B06.050.054	IRPV-WASHER-54	CNM 1201.01-105 RDM 30738-1544	_____	VT1 QAL-13	CS	10.56 01.500	-----	IRPV-743-33-54
B06.180.000	*CLASS 1 PUMPS	BOLTS AND STUDS***** *****	_____	*** *****	*****	___	*****	GREATER THAN 2 INCH***** *****
B06.190.000	*CLASS 1 PUMPS	FLANGE SURFACE***** *****	_____	*** *****	*****	___	*****	WHEN CONNECTION DISASSEMBLED** *****

PROGRAM: NISIRUNB-QAISI02  
 FILE: C007133  
 PLANT: CATAWBA UNIT 1  
 KEY: ITEM NUMBER B07

DUKE POWER COMPANY  
 QUALITY ASSURANCE DEPARTMENT  
 PRE-SERVICE AND IN-SERVICE INSPECTION SYSTEM  
 CATAWBA 1 OUTAGE 7 INSERVICE INSPECTION LISTING

PAGE 34  
 DATE 03/10/94

ITEM NUMBER	ID. NUMBER	DRAWING NUMBERS	LOCS.	INSP REQ.	PROC. NUMBERS	MATERIAL TYPE/GRADE	DIAM./ THICK	CALIB BLOCK	COMMENTS
B07.020.000	***PRESSURIZER	BOLTS,STUDS,AND NUTS *****	_____	***	*****	*****	___ . ___	*****	2 INCH AND LESS***** *****
B07.020.001	1PZR-MMB	CNM 1201.01-212 CNM 1201.01-238	_____	VT1	QAL-13	CS	01.88 08.900	-----	PRESSURIZER MANWAY BOLTING 16 BOLTS
B07.030.000	*****STEAM	GENERATOR***** BOLTS,STUDS,AND NUTS	_____	***	*****	*****	___ . ___	*****	2 INCH AND LESS***** *****
B07.050.000	CLASS 1 PIPING	BOLTS,STUDS,AND NUTS *****	_____	***	*****	*****	___ . ___	*****	2 INCH AND LESS***** *****
B07.050.056	INV614-MJ1	CN-INV-614 CN-1554-1.5	_____	VT1	QAL-13	CS	01.00 05.750	-----	FLANGE BOLTING 4 STUDS, 8 NUTS
B07.050.057	INV615-MJ1	CN-INV-615 CN-1554-1.5	_____	VT1	QAL-13	CS	01.00 07.250	-----	FLANGE BOLTING 8 STUDS, 16 NUTS
B07.060.000	*CLASS 1 PUMPS	BOLTS,STUDS,AND NUTS *****	_____	***	*****	*****	___ . ___	*****	2 INCH AND LESS***** *****
B07.060.004	1RCP-10-S	CN-INC-023 CNM 1201.01-115	_____	VT1	QAL-13	CS	02.00 08.000	-----	SEAL GLAND 12 BOLTS NO.1 SEAL HOUSING CAP SCREWS

PROGRAM: NISIRUMB-QAISI02  
 FILE: C007133  
 PLANT: CATAHBA UNIT 1  
 KEY: ITEM NUMBER B07

DUKE POWER COMPANY  
 QUALITY ASSURANCE DEPARTMENT  
 PRE-SERVICE AND IN-SERVICE INSPECTION SYSTEM  
 CATAHBA 1 OUTAGE 7 INSERVICE INSPECTION LISTING

PAGE 35  
 DATE 03/10/94

ITEM NUMBER	ID. NUMBER	DRAWING NUMBERS	LOCS.	INSP. REQ. NUMBERS	PROC. TYPE/GRADE	MATERIAL	DIAM./ THICK	CALIB. BLOCK	COMMENTS
B07.060.008	1RCP-1D-H	CN-INC-023 CNM 1201.01-115	_____	VT1	QAL-13	CS	01.00 03.250	-----	SEAL HOUSING 12 BOLTS NØ.2 SEAL HOUSING CAP SCREWS
B07.070.000	CLASS 1 VALVES	BOLTS,STUDS,AND NUTS *****	_____	***	*****	*****	___	*****	2 INCH AND LESS*****
B07.070.059	INI-88B	CN-INI-021 CNM 1205.00-071	_____	VT1	QAL-13	SS	01.63	-----	10" VALVE 18 STUDS
B07.070.060	INI-93	CN-INI-152 CNM 1205.00-062	_____	VT1	QAL-13	SS	01.63	-----	10" VALVE 18 STUDS
B07.070.062	INI-125	CN-INI-240 CNM 1205.00-059	_____	VT1	QAL-13	SS	01.25	-----	8" VALVE 16 STUDS
B07.070.064	INI-129	CN-INI-032 CNM 1205.00-059	_____	VT1	QAL-13	SS	01.25	-----	8" VALVE 16 STUDS
B07.070.067	INI-160	CN-INI-235 CNM 1205.00-063	_____	VT1	QAL-13	SS	01.25	-----	6" VALVE 16 STUDS
B07.080.000	***CRD HOUSING	***BOLTS, STUDS AND NUTS*****	_____	***	*****	*****	___	*****	INSPECT IF DISASSEMBLED LIST CRD NUMBER INSPECTED*****



PROGRAM: NISIRUNB-QAISI02  
 FILE: C007133  
 PLANT: CATAWBA UNIT 1  
 KEY: ITEM NUMBER B08

DUKE POWER COMPANY  
 QUALITY ASSURANCE DEPARTMENT  
 PRE-SERVICE AND IN-SERVICE INSPECTION SYSTEM  
 CATAWBA 1 OUTAGE 7 INSERVICE INSPECTION LISTING

PAGE 36  
 DATE 03/10/94

ITEM NUMBER	ID. NUMBER	DRAWING NUMBERS	LOCS.	INSP. REQ.	PROC. NUMBERS	MATERIAL TYPE/GRADE	DIAM./THICK	CALIB BLOCK	COMMENTS
B08.010.000	*****REACTOR VESSEL	INTEGRALLY WELDED*** ATTACHMENTS*****	_____	***	*****	*****	____	_____	***** *****
B08.020.000	***PRESSURIZER	INTEGRALLY WELDED*** ATTACHMENTS*****	_____	***	*****	*****	____	*****	***** *****
B08.020.006	1PZR-W11A	CNM 1201.01-175	_____	MT	NDE-25	CS	02.00 10.000	-----	PRESSURIZER SUPPORT BRACKET TO SHELL Y-Z QUADRANT
B08.020.007	1PZR-W11B	CNM 1201.01-175	_____	MT	NDE-25	CS	02.00 10.000	-----	PRESSURIZER SUPPORT BRACKET TO SHELL X-Y QUADRANT
B08.020.008	1PZR-W11C	CNM 1201.01-175	_____	MT	NDE-25	CS	02.00 10.000	-----	PRESSURIZER SUPPORT BRACKET TO SHELL W-X QUADRANT
B08.020.009	1PZR-W11D	CNM 1201.01-175	_____	MT	NDE-25	CS	02.00 10.000	-----	PRESSURIZER SUPPORT BRACKET TO SHELL W-Z QUADRANT

PROGRAM: NISIRUNB-QAISI02  
 FILE: C007133  
 PLANT: CATAMBA UNIT 1  
 KEY: ITEM NUMBER B09

DUKE POWER COMPANY  
 QUALITY ASSURANCE DEPARTMENT  
 PRE-SERVICE AND IN-SERVICE INSPECTION SYSTEM  
 CATAMBA 1 OUTAGE 7 INSERVICE INSPECTION LISTING

PAGE 37  
 DATE 03/10/94

ITEM NUMBER	ID. NUMBER	DRAWING NUMBERS	LOCS.	INSP. REQ. NUMBERS	PROC. NUMBERS	MATERIAL TYPE/GRADE	DIAM. THICK	CALIB BLOCK	COMMENTS
B09.010.000	CLASS 1 PIPING	NOMINAL PIPE SIZE*** 4 INCH AND GREATER**	_____	***	*****	*****	____	****	***** *****
B09.011.000	*****	CIRCUMFERENTIAL***** HELDS*****	_____	***	*****	*****	____	****	***** *****
B09.011.028	INC25-07	CN-INC-025 CN-1553-1.0	_____	UT	NDE-610	SS	27.50 02.200	50386	LOOP 3 -----
B09.011.028A	INC25-07	CN-INC-025 CN-1553-1.0	_____	PT	NDE-35	SS	27.50 02.200	-----	LOOP 3 -----
B09.011.312	INI32-05	CN-INI-032 CN-1562-1.2	_____	UT	NDE-600	SS	08.00 00.906	50311	_____ _____ _____
B09.011.312A	INI32-05	CN-INI-032 CN-1562-1.2	_____	PT	NDE-35	SS	08.00 00.906	-----	_____ _____ _____
B09.011.313	INI32-04	CN-INI-032 CN-1562-1.2	_____	UT	NDE-600 NDE-610	SS	08.00 00.906	50311	_____ _____ _____
B09.011.313A	INI32-04	CN-INI-032 CN-1562-1.2	_____	PT	NDE-35	SS	08.00 00.906	-----	_____ _____ _____

PROGRAM: NISIRUNB-QAISI02  
 FILE: C007133  
 PLANT: CATAMBA UNIT 1  
 KEY: ITEM NUMBER 809

DUKE POWER COMPANY  
 QUALITY ASSURANCE DEPARTMENT  
 PRE-SERVICE AND IN-SERVICE INSPECTION SYSTEM  
 CATAMBA 1 OUTAGE 7 INSERVICE INSPECTION LISTING

PAGE 38  
 DATE 03/10/94

ITEM NUMBER	ID. NUMBER	DRAWING NUMBERS	LOCS.	INSP. PROC. REQ. NUMBERS	MATERIAL TYPE/GRADE	DIAM./ THICK	CALIB BLOCK	COMMENTS
B09.011.314	INI32-03	CN-INI-032 CN-1562-1.2	_____	UT NDE-600	SS	08.00 00.906	50311	_____
B09.011.314A	INI32-03	CN-INI-032 CN-1562-1.2	_____	PT NDE-35	SS	08.00 00.906	-----	_____
B09.011.351	INI240-10	CN-INI-240 CN-1562-1.2	_____	UT NDE-600	SS	08.00 00.906	50311	_____
B09.011.351A	INI240-10	CN-INI-240 CN-1562-1.2	_____	PT NDE-35	SS	08.00 00.906	-----	_____
B09.011.352	INI240-11	CN-INI-240 CN-1562-1.2	_____	UT NDE-600	SS	08.00 00.906	50311	_____
B09.011.352A	INI240-11	CN-INI-240 CN-1562-1.2	_____	PT NDE-35	SS	08.00 00.906	-----	_____
B09.011.353	INI240-08	CN-INI-240 CN-1562-1.2	_____	UT NDE-600	SS	08.00 00.906	50311	_____
B09.011.353A	INI240-08	CN-INI-240 CN-1562-1.2	_____	PT NDE-35	SS	08.00 00.906	-----	_____

PROGRAM: NISIRUNB-QAISI02  
 FILE: C007133  
 PLANT: CATAWBA UNIT 1  
 KEY: ITEM NUMBER B09

DUKE POWER COMPANY  
 QUALITY ASSURANCE DEPARTMENT  
 PRE-SERVICE AND IN-SERVICE INSPECTION SYSTEM  
 CATAWBA 1 OUTAGE 7 INSERVICE INSPECTION LISTING

PAGE 39  
 DATE 03/10/94

ITEM NUMBER	ID. NUMBER	DRAWING NUMBERS	LOCS.	INSP. PROC. REQ. NUMBERS	MATERIAL TYPE/GRADE	DIAM./ THICK	CALIB BLOCK	COMMENTS
B09.012.000	*****	LONGITUDINAL***** WELDS*****	_____	*** *****	*****	_____ _____	*****	***** *****
B09.020.000	CLASS 1 PIPING	NOMINAL PIPE SIZE*** < 4 INCH*****	_____	*** *****	*****	_____ _____	*****	***** *****
B09.021.000	*****	CIRCUMFERENTIAL***** WELDS*****	_____	*** *****	*****	_____ _____	*****	***** *****
B09.021.005	INC41-15	CN-INC-041 CN-1553-1.0	_____	PT NDE-35	SS	02.00 00.344	-----	
B09.021.006	INC42-01	CN-INC-042 CN-1553-1.0	_____	PT NDE-35	SS	01.50 00.281	-----	SELECTION CRITERIA 4.2.1
B09.021.007	INC43-11	CN-INC-043 CN-1553-1.0	_____	PT NDE-35	SS	01.50 00.281	-----	SELECTION CRITERIA 4.2.1
B09.021.008	INC50-25	CN-INC-050 CN-1553-1.0	_____	PT NDE-35	SS	02.00 00.344	-----	
B09.021.009	INC50-26	CN-INC-050 CN-1553-1.0	_____	PT NDE-35	SS	02.00 00.344	-----	

PROGRAM: NISIRUNB-QAISI02  
 FILE: C007133  
 PLANT: CATANBA UNIT 1  
 KEY: ITEM NUMBER 809

DUKE POWER COMPANY  
 QUALITY ASSURANCE DEPARTMENT  
 PRE-SERVICE AND IN-SERVICE INSPECTION SYSTEM  
 CATANBA 1 OUTAGE 7 INSERVICE INSPECTION LISTING

PAGE 40  
 DATE 03/10/94

ITEM NUMBER	ID. NUMBER	DRAWING NUMBERS	LOCS.	INSP. PROC. REQ. NUMBERS	MATERIAL TYPE/GRADE	DIAM./ THICK	CALIB BLOCK	COMMENTS
B09.021.010	INC51-01	CN-INC-051 CN-1553-1.0	_____	PT NDE-35	SS	01.50 00.281	-----	SELECTION CRITERIA 4.2.1
B09.021.011	INC22-12	CN-INC-022 CN-1680-23	_____	PT NDE-35	SS	03.00 00.438	_____	CROSSOVER LEG 1B CAP WELD RTD MODIFICATION
B09.021.012	INC22-16	CN-INC-022 CN-1680-23	_____	PT NDE-35	SS	02.00 00.344	_____	COLD LEG 1B CAP WELD RTD MODIFICATION
B09.021.152	INV310-01	CN-INV-201 CN-1554-1.0	_____	PT NDE-35	SS	03.00 00.438	-----	SELECTION CRITERIA 4.2.2
B09.021.153	INV310-02	CN-INV-201 CN-1554-1.0	_____	PT NDE-35	SS	03.00 00.438	-----	SELECTION CRITERIA 4.2.2
B09.030.000	CLASS 1 PIPING	BRANCH PIPE***** CONNECTION WELDS****	_____	*** *****	*****	___	*****	***** *****
B09.031.000	**NOMINAL PIPE	SIZE 4 INCH AND***** GREATER*****	_____	*** *****	*****	___	*****	***** *****
B09.031.003	INC22-WN8	CN-INC-022 CNM 1201.01-50/1	_____	UT NDE-610	SS	12.00 02.300	50386	CNM 1201.01-181/4 PC C TO PC P1 UT FROM MAIN LOOP SIDE ONLY REF.RFR #94-01

PROGRAM: NISIRUNB-QAISI02  
 FILE: C007133  
 PLANT: CATAWBA UNIT 1  
 KEY: ITEM NUMBER B09

DUKE POWER COMPANY  
 QUALITY ASSURANCE DEPARTMENT  
 PRE-SERVICE AND IN-SERVICE INSPECTION SYSTEM  
 CATAWBA 1 OUTAGE 7 INSERVICE INSPECTION LISTING

PAGE 41  
 DATE 03/10/94

ITEM NUMBER	ID. NUMBER	DRAWING NUMBERS	LOCS.	INSP. REQ. NUMBERS	PROC. NUMBERS	MATERIAL TYPE/GRADE	DIAM. THICK	CALIB BLOCK	COMMENTS
B09.031.003A	INC22-WN8	CN-INC-022 CNM 1201.01-50/1	_____	PT	NDE-35	SS	12.00 02.300	-----	CNM 1201.01-181/4 PC C TO PC P1
B09.032.000	**NOMINAL PIPE	LESS THAN 4 INCH**** *****	_____	***	*****	*****	_____	*****	***** *****
B09.032.027	INC288-01	CN-INC-288 CN-1553-1.0	_____	PT	NDE-35	SS	03.00 00.438	_____	NC VENT LINE MODIFICATION
B09.032.028	INC288-03	EN-INC-288 CN-1553-1.0	_____	PT	NDE-35	SS	03.00 00.438	_____	NC VENT LINE MODIFICATION
B09.032.029	INC288-06	CN-INC-288 CN-1553-1.0	_____	PT	NDE-35	SS	03.00 00.438	_____	NC VENT LINE MODIFICATION
B09.032.030	INC288-05	CN-INC-288 CN-1553-1.0	_____	PT	NDE-35	SS	03.00 00.438	_____	NC VENT LINE MODIFICATION
B09.032.053	INI10-02	CN-INI-010 CN-1562-1.1	_____	PT	NDE-35	SS	02.00 00.344	-----	
B09.032.055	INI147-03	CN-INI-147 CN-1562-1.3	_____	PT	NDE-35	SS	02.00 00.344	-----	

PROGRAM: NISIRUNB-GAISI02  
 FILE: C007133  
 PLANT: CATAHBA UNIT 1  
 KEY: ITEM NUMBER B09

DUKE POWER COMPANY  
 QUALITY ASSURANCE DEPARTMENT  
 PRE-SERVICE AND IN-SERVICE INSPECTION SYSTEM  
 CATAHBA 1 OUTAGE 7 INSERVICE INSPECTION LISTING

PAGE 42  
 DATE 03/10/94

ITEM NUMBER	ID. N°MBER	DRAWING NUMBERS	LOCS.	INSP. REQ.	PROC. NUMBERS	MATERIAL TYPE/GRADE	DIAM./THICK	CALIB BLOCK	COMMENTS
B09.040.000	**SOCKET HELDS	***** *****	_____	***	*****	*****	_____ _____	*****	***** *****
B09.040.003	INC24-12	CN-INC-024 CN-1680-23	_____	PT	NDE-35	SS	02.00 00.344	_____	COLD LEG 1A THERMOCOUPLE TO BOSS COUPLING (RTD MCD.)
B09.040.005	INC41-09	CN-INC-041 CN-1553-1.0	_____	PT	NDE-35	SS	02.00 00.344	-----	
B09.040.006	INC41-13	CN-INC-041 CN-1553-1.0	_____	PT	NDE-35	SS	02.00 00.344	-----	
B09.040.007	INC41-24	CN-INC-041 CN-1553-1.0	_____	PT	NDE-35	SS	02.00 00.344	-----	
B09.040.008	INC42-05	CN-INC-042 CN-1553-1.0	_____	PT	NDE-35	SS	01.50 00.281	-----	
B09.040.009	INC43-08	CN-INC-043 CN-1553-1.0	_____	PT	NDE-35	SS	01.50 00.281	-----	
B09.040.010	INC50-06	CN-INC-050 CN-1553-1.0	_____	PT	NDE-35	SS	02.00 00.344	-----	

PROGRAM: NISIRUNB-QAISI02  
 FILE: C007133  
 PLANT: CATAHBA UNIT 1  
 KEY: ITEM NUMBER B09

DUKE POWER COMPANY  
 QUALITY ASSURANCE DEPARTMENT  
 PRE-SERVICE AND IN-SERVICE INSPECTION SYSTEM  
 CATAHBA 1 OUTAGE 7 INSERVICE INSPECTION LISTING

PAGE 43  
 DATE 03/10/94

ITEM NUMBER	ID. NUMBER	DRAWING NUMBERS	LOCS.	INSP. PROC. REQ. NUMBERS	MATERIAL TYPE/GRADE	DIAM. THICK	CALIB BLOCK	COMMENTS
B09.040.011	INC50-29	CN-INC-050 CN-1553-1.0	_____	PT NDE-35	SS	02.00 00.344	-----	_____
B09.040.012	INC50-30	CN-INC-050 CN-1553-1.0	_____	PT NDE-35	SS	02.00 00.344	-----	_____
B09.040.013	INC51-02	CN-INC-051 CN-1553-1.0	_____	PT NDE-35	SS	01.50 00.281	-----	_____
B09.040.041	INC81-06	CN-INC-081 CN-1553-1.0	_____	PT NDE-35	SS	02.00 00.344	-----	_____
B09.040.042	INC82-05	CN-INC-082 CN-1553-1.0	_____	PT NDE-35	SS	01.50 00.281	-----	_____
B09.040.123	INI240-04	CN-1NI-240 CN-1562-1.2	_____	PT NDE-35	SS	02.00 00.344	-----	_____
B09.040.124	INI240-06	CN-1NI-240 CN-1562-1.2	_____	PT NDE-35	SS	02.00 00.344	-----	_____
B09.040.125	INI243-01	CN-1NI-243 CN-1562-1.0	_____	PT NDE-35	SS	02.00 00.344	-----	_____



PROGRAM: NISIRUNB-QAISI02  
 FILE: CC07133  
 PLANT: CATANBA UNIT 1  
 KEY: ITEM NUMBER B09

DUKE POWER COMPANY  
 QUALITY ASSURANCE DEPARTMENT  
 PRE-SERVICE AND IN-SERVICE INSPECTION SYSTEM  
 CATANBA 1 OUTAGE 7 INSERVICE INSPECTION LISTING

PAGE 44  
 DATE 03/10/94

ITEM NUMBER	ID. NUMBER	DRAWING NUMBERS	LOCS.	INSP. REQ.	PROC. NUMBERS	MATERIAL TYPE/GRADE	DIAM. THICK	CALIB BLOCK	COMMENTS
B09.040.126	INI245-03	CN-1NI-245 CN-1562-1.0	_____	PT	NDE-35	SS	01.50 00.281	-----	_____
B09.040.127	INI247-07	CN-1NI-247 CN-1562-1.0	_____	PT	NDE-35	SS	01.50 00.281	-----	_____
B09.040.156	INV483-03	CN-INV-483 CN-1554-1.5	_____	PT	NDE-35	SS	02.00 00.344	-----	_____
B09.040.157	INV483-07	CN-INV-483 CN-1554-1.5	_____	PT	NDE-35	SS	02.00 00.344	-----	_____
B09.040.158	INV483-14	CN-INV-483 CN-1554-1.5	_____	PT	NDE-35	SS	02.00 00.344	-----	_____
B09.040.159	INV483-08	CN-INV-483 CN-1554-1.5	_____	PT	NDE-35	SS	02.00 00.344	-----	_____
B09.040.160	INV483-09	CN-INV-483 CN-1554-1.5	_____	PT	NDE-35	SS	02.00 00.344	-----	_____
B09.040.180	INV307-12	CN-INV-307 CN-1554-1.0	_____	PT	NDE-35	SS	02.00 00.344	-----	SELECTION CRITERIA 4.2.2

PROGRAM: NISIRUNB-QAISI02  
 FILE: C007133  
 PLANT: CATANBA UNIT 1  
 KEY: ITEM NUMBER B12

DUKE POWER COMPANY  
 QUALITY ASSURANCE DEPARTMENT  
 PRE-SERVICE AND IN-SERVICE INSPECTION SYSTEM  
 CATANBA 1 OUTAGE 7 INSERVICE INSPECTION LISTING

PAGE 45  
 DATE 03/10/94

ITEM NUMBER	ID. NUMBER	DRAWING NUMBERS	LOCS.	INSP. REQ.	PROC. NUMBERS	MATERIAL TYPE/GRADE	DIAM./THICK	CALIB BLOCK	COMMENTS
B12.040.000	CLASS 1 VALVE	BODY WELDS***** *****	_____	***	*****	*****	___	****	NOMINAL PIPE SIZE 4 INCH AND GREATER*****
B12.040.001	INSPECT ONE OF	THE FOLLOWING TWO*** *****	_____	***	*****	*****	___	****	INSPECT IF DISASSEMBLED *****
B12.040.002	INSPECT ONE OF	THE FOLLOWING FOUR** *****	_____	***	*****	*****	___	****	INSPECT IF DISASSEMBLED***** *****
B12.050.000	*CLASS 1 VALVE	INTERNAL SURFACES*** *****	_____	***	*****	*****	___	****	EXCEEDING 4 INCH NOMINAL PIPE* SIZE*****
B12.050.001	INSPECT ONE OF	THE FOLLOWING THREE *****	_____	***	*****	*****	___	****	INSPECT IF DISASSEMBLED***** *****
B12.050.002	INSPECT ONE OF	THE FOLLOWING TWO*** *****	_____	***	*****	*****	___	****	INSPECT IF DISASSEMBLED***** *****
B12.050.003	INSPECT ONE OF	THE FOLLOWING FOUR *****	_____	***	*****	*****	___	****	INSPECT IF DISASSEMBLED***** *****
B12.050.004	INSPECT ONE OF	THE FOLLOWING FOUR *****	_____	***	*****	*****	___	****	INSPECT IF DISASSEMBLED***** *****

PROGRAM: NISIRUMB-QAISI02  
 FILE: C007133  
 PLANT: CATAHBA UNIT 1  
 KEY: ITEM NUMBER B12

DUKE POWER COMPANY  
 QUALITY ASSURANCE DEPARTMENT  
 PRE-SERVICE AND IN-SERVICE INSPECTION SYSTEM  
 CATAHBA 1 OUTAGE 7 INSERVICE INSPECTION LISTING

PAGE 46  
 DATE 03/10/94

ITEM NUMBER	ID. NUMBER	DRAWING NUMBERS	LOCS.	INSP PROC. REQ. NUMBERS	MATERIAL TYPE/GRADE	DIAM./ THICK	CALIB BLOCK	COMMENTS
B12.050.005	INSPECT ONE OF	THE FOLLOWING EIGHT *****	_____	*** *****	*****	____	*****	INSPECT IF DISASSEMBLED***** *****
B12.050.006	INSPECT ONE OF	THE FOLLOWING TWO*** *****	_____	*** *****	*****	____	*****	INSPECT IF DISASSEMBLED***** *****
B12.050.007	INSPECT ONE OF	THE FOLLOWING EIGHT* *****	_____	*** *****	*****	____	*****	INSPECT IF DISASSEMBLED***** *****

PROGRAM: NISIRUNB-QAISI02  
 FILE: C007133  
 PLANT: CATAWBA UNIT 1  
 KEY: ITEM NUMBER B13

DUKE POWER COMPANY  
 QUALITY ASSURANCE DEPARTMENT  
 PRE-SERVICE AND IN-SERVICE INSPECTION SYSTEM  
 CATAWBA 1 OUTAGE 7 INSERVICE INSPECTION LISTING

PAGE 47  
 DATE 03/10/94

ITEM NUMBER	ID. NUMBER	DRAWING NUMBERS	LOCS.	INSP. PROC. REQ. NUMBERS	MATERIAL TYPE/GRADE	DIAM./ THICK	CALIB BLOCK	COMMENTS
B13.010.000	REACTOR VESSEL	INTERIOR***** *****		*** *****	*****		*****	***** *****
B13.010.001	1RPV-INTERIOR	CNM 1201.01-32		VT3 QAL-14	SS		----	AREA ABOVE AND BELOW CORE MADE ACCESSIBLE DURING REFUELINGS
B13.032.000	REACTOR VESSEL	CORE SUPPORT***** STRUCTURE*****		*** *****	*****		*****	***** *****
B13.032.001	1RPV-CORE-SUP	CNM 1201.01-32		VT3 QAL-14	----		----	INSPECT WHEN STRUCTURE IS REMOVED FROM VESSEL

PROGRAM: NISIRUNB-QAISI02  
 FILE: C007133  
 PLANT: CATAWBA UNIT 1  
 KEY: ITEM NUMBER B14

DUKE POWER COMPANY  
 QUALITY ASSURANCE DEPARTMENT  
 PRE-SERVICE AND IN-SERVICE INSPECTION SYSTEM  
 CATAWBA 1 OUTAGE 7 INSERVICE INSPECTION LISTING

PAGE 48  
 DATE 03/10/94

ITEM NUMBER	ID. NUMBER	DRAWING NUMBERS	LOCS.	INSP. PROC. REQ. NUMBERS	MATERIAL TYPE/GRADE	DIAM./THICK	CALIB BLOCK	COMMENTS
B14.010.000	REACTOR VESSEL	CRD HOUSINGS WELDS** *****		*** *****	*****	---	*****	INSPECT ONE OF THE FOLLOWING** WELDS IF CRDM IS REMOVED

PROGRAM: NISIRUMB-QAISI02  
 FILE: C007133  
 PLANT: CATAHBA UNIT 1  
 KEY: ITEM NUMBER B15

DUKE POWER COMPANY  
 QUALITY ASSURANCE DEPARTMENT  
 PRE-SERVICE AND IN-SERVICE INSPECTION SYSTEM  
 CATAHBA 1 OUTAGE 7 INSERVICE INSPECTION LISTING

PAGE 49  
 DATE 03/10/94

ITEM NUMBER	ID. NUMBER	DRAWING NUMBERS	LOCS.	INSP. REQ.	PROC. NUMBERS	MATERIAL TYPE/GRADE	DIAM./THICK	CALIB BLOCK	COMMENTS
B15.010.000	REACTOR VESSEL	PRESSURE RETAINING** BOUNDARY*****	_____	***	*****	*****	---.---	*****	REF. PRESSURE TEST PROGRAM MAINTAINED BY QATS-GO
B15.020.000	***PRESSURIZER	PRESSURE RETAINING** BOUNDARY*****	_____	***	*****	*****	---.---	*****	REF. PRESSURE TEST PROGRAM MAINTAINED BY QATS-GO
B15.030.000	*****STEAM	GENERATORS PRESSURE* RETAINING BOUNDARY**	_____	***	*****	*****	---.---	*****	REF. PRESSURE TEST PROGRAM MAINTAINED BY QATS-GO
B15.050.000	CLASS 1 PIPING	PRESSURE RETAINING** BOUNDARY*****	_____	***	*****	*****	---.---	*****	REF. PRESSURE TEST PROGRAM MAINTAINED BY QATS-GO
B15.060.000	*CLASS 1 PUMPS	PRESSURE RETAINING** BOUNDARY*****	_____	***	*****	*****	---.---	*****	REF. PRESSURE TEST PROGRAM MAINTAINED BY QATS-GO
B15.070.000	CLASS 1 VALVES	PRESSURE RETAINING** BOUNDARY*****	_____	***	*****	*****	---.---	*****	REF. PRESSURE TEST PROGRAM MAINTAINED BY QATS-GO

PROGRAM: NISIRUNB-QAISI02  
 FILE: C007133  
 PLANT: CATAWBA UNIT 1  
 KEY: ITEM NUMBER B16

DUKE POWER COMPANY  
 QUALITY ASSURANCE DEPARTMENT  
 PRE-SERVICE AND IN-SERVICE INSPECTION SYSTEM  
 CATAWBA 1 OUTAGE 7 INSERVICE INSPECTION LISTING

PAGE 50  
 DATE 03/10/94

ITEM NUMBER	ID. NUMBER	DRAWING NUMBERS	LOCS.	INSP. PROC. REQ. NUMBERS	MATERIAL TYPE/GRADE	DIAM./ THICK	CALIB. BLOCK	COMMENTS
B16.020.000	*****STEAM	GENERATOR TUBING**** *****	_____	*** *****	*****	_____	*****	***** U-TUBE DESIGN ***** ***** RANDOM 3% SAMPLE *****

PROGRAM: NISIRUNB-QAISI02  
 FILE: C007133  
 PLANT: CATAMBA UNIT 1  
 KEY: ITEM NUMBER C01

DUKE POWER COMPANY  
 QUALITY ASSURANCE DEPARTMENT  
 PRE-SERVICE AND IN-SERVICE INSPECTION SYSTEM  
 CATAMBA 1 OUTAGE 7 INSERVICE INSPECTION LISTING

PAGE 51  
 DATE 03/10/94

ITEM NUMBER	ID. NUMBER	DRAWING NUMBERS	LOCS.	INSP. REQ. NUMBERS	PROV. NUMBERS	MATERIAL TYPE/GRADE	DIAM./THICK	CALIB BLOCK	COMMENTS
C01.000.000	*****PRESSURE	RETAINING WELDS IN PRESSURE VESSELS****	_____	***	*****	*****	_____	*****	*****
C01.010.000	*****SHELL	CIRCUMFERENTIAL WELD *****	_____	***	*****	*****	_____	*****	*****
C01.020.000	*****HEAD	CIRCUMFERENTIAL WELD *****	_____	***	*****	*****	_____	*****	*****
C01.020.001	1SGD-06B-07	CNM 1201.01-88 CNM 1201.01-123	_____	UT	NDE1002	CS	03.890	50366	STEAM GENERATOR ID UPPER SHELL TO HEAD
C01.030.000	**TUBESHEET TO	SHELL WELD*****	_____	***	*****	*****	_____	*****	*****



DUKE POWER COMPANY  
QUALITY ASSURANCE DEPARTMENT  
PRE-SERVICE AND IN-SERVICE INSPECTION SYSTEM  
CATAMBA 1 OUTAGE 7 IN-SERVICE INSPECTION LISTING

PROGRAM: NISIRUB-QAISI02  
FILE: C007153  
PLANT: CATAMBA UNIT 1  
KEY: ITEM NUMBER C02

ITEM NUMBER	ID. NUMBER	DRAWING NUMBERS	LOCS.	INSP. PROC. REQ. NUMBERS	MATERIAL TYPE/GRADE	DIAM./THICK	CALIB. BLOCK	COMMENTS
C02.000.000	*****PRESSURE	RETAINING NOZZLE HELDS IN VESSELS****		*** *****	*****		*****	*****
C02.010.000	*****NOZZLES	IN VESSELS*****		*** *****	*****		*****	1/2" NOMINAL THICKNESS AND LESS*****
C02.011.000	*****NOZZLE TO	SHELL OR HEAD WELDS*		*** *****	*****		*****	*****
C02.020.000	*****NOZZLES	WITHOUT REINFORCING PLATE IN VESSELS****		*** *****	*****		*****	GREATER THAN 1/2" NOMINAL THICKNESS*****
C02.021.000	*****NOZZLES TO	SHELL OR HEAD WELDS*		*** *****	*****		*****	*****
C02.021.005	1SGB-SB-02	CNM 1201.01-86 CNM 1201.01-121		UT NDE-620 NDE-640	CS	16.00 03.310	50366	STEAM GENERATOR IB FEEDWATER NOZZLE TO STUB BARREL
C02.021.005A	1SGB-SB-02	CNM 1201.01-86 CNM 1201.01-121		MT NDE-25	CS	16.00 03.310		*****
C02.021.051	1ACCB-02-13	CN 1562-1.1 CNM 1201.04-151		UT NDE-630 NDE-640	CS	16.00 01.500	50368	SAF. INJ. ACCUMULATOR TANK IB OUTLET NOZZLE TO LOWER HEAD

PROGRAM: NISIRUNB-QAISI02  
 FILE: C007133  
 PLANT: CATAWBA UNIT 1  
 KEY: ITEM NUMBER C02

DUKE POWER COMPANY  
 QUALITY ASSURANCE DEPARTMENT  
 PRE-SERVICE AND IN-SERVICE INSPECTION SYSTEM  
 CATAWBA 1 OUTAGE 7 INSERVICE INSPECTION LISTING

PAGE 53  
 DATE 03/10/94

ITEM NUMBER	ID. NUMBER	DRAWING NUMBERS	LOCS.	INSP. REQ.	PROC. NUMBERS	MATERIAL TYPE/GRADE	DIAM./THICK	CALIB BLOCK	COMMENTS
C02.021.051A	1ACCB-02-13	CN 1562-1.1 CNM 1201.04-151	_____	PT	NDE-35	CS	16.00 01.500	-----	-----
C02.022.000	****NOZZLES TO	INSIDE RADIUS SECTION*****	_____	***	*****	*****	---	*****	***** *****
C02.022.004	1SGB-SB-02	CNM 1201.01-86 CNM 1201.01-121	_____	UT	NDE-680	CS	16.00 03.310	50366	INSIDE RADIUS

PROGRAM: NISIRUMB-QAISI02  
 FILE: C007133  
 PLANT: CATAWBA UNIT 1  
 KEY: ITEM NUMBER C03

DUKE POWER COMPANY  
 QUALITY ASSURANCE DEPARTMENT  
 PRE-SERVICE AND IN-SERVICE INSPECTION SYSTEM  
 CATAWBA 1 OUTAGE 7 INSERVICE INSPECTION LISTING

PAGE 54  
 DATE 03/10/94

ITEM NUMBER	ID. NUMBER	DRAWING NUMBERS	LOCS.	INSP. REQ.	PROC. NUMBERS	MATERIAL TYPE/GRADE	DIAM./THICK	CALIB BLOCK	COMMENTS
C03.000.000	*****INTEGRAL	ATTACHMENTS***** *****	_____	***	*****	*****	__-__	*****	BASE MATERIAL DESIGN THICKNESS 3/4 INCH OR GREATER
C03.010.000	*****PRESSURE	VESSELS INTEGRALLY WELDED ATTACHMENTS**	_____	***	*****	*****	__-__	*****	***** *****
C03.020.000	*****PIPING	INTEGRALLY WELDED ATTACHMENTS*****	_____	***	*****	*****	__-__	*****	***** *****
C03.020.011	1-R-ND-0165	CN-1492-ND-011R	_____	PT	NDE-35	SS	01.000	-----	WELD NUMBERS 3-10
C03.020.021	1-R-NI-1195	CN-1491-NI-055R	_____	PT	NDE-35	SS	08.00 00.906	-----	WELD NUMBER 1
C03.030.000	*****PUMP	INTEGRALLY WELDED ATTACHMENTS*****	_____	***	*****	*****	__-__	*****	***** *****

PROGRAM: NISIRUNB-QAISI02  
 FILE: C007133  
 PLANT: CATAWBA UNIT 1  
 KEY: ITEM NUMBER C04

DUKE POWER COMPANY  
 QUALITY ASSURANCE DEPARTMENT  
 PRE-SERVICE AND IN-SERVICE INSPECTION SYSTEM  
 CATAWBA 1 OUTAGE 7 INSERVICE INSPECTION LISTING

PAGE 55  
 DATE 03/10/94

ITEM NUMBER	ID. NUMBER	DRAWING NUMBERS	LOCS.	INSP PROC. REQ. NUMBERS	MATERIAL TYPE/GRADE	DIAM./ THICK	CALIB BLOCK	COMMENTS
C04.000.000	*****PRESSURE	RETAINING BOLTING*** *****	_____	*** *****	*****	____	*****	GREATER THAN 2 INCH IN DIAMETER*****
C04.010.000	*****PRESSURE	VESSELS BOLTS AND STUDS*****	_____	*** *****	*****	____	*****	***** *****

PROGRAM: NISI\UNB-QAISI02  
 FILE: C007133  
 PLANT: CATAWBA UNIT 1  
 KEY: ITEM NUMBER C05

DUKE POWER COMPANY  
 QUALITY ASSURANCE DEPARTMENT  
 PRE-SERVICE AND IN-SERVICE INSPECTION SYSTEM  
 CATAWBA 1 OUTAGE 7 INSERVICE INSPECTION LISTING

PAGE 56  
 DATE 03/10/94

ITEM NUMBER	ID. NUMBER	DRAWING NUMBERS	LOCS.	INSP. REQ.	PROC. NUMBERS	MATERIAL TYPE/GRADE	DIAM./THICK	CALIB BLOCK	COMMENTS
C05.000.000	*****PRESSURE	RETAINING WELDS IN PIPING*****	_____	***	*****	*****	___	*****	*****
C05.010.000	*****PIPING	WELDS*****	_____	***	*****	*****	___	*****	1/2" AND LESS NOMINAL WALL THICKNESS*****
C05.011.000	*****	CIRCUMFERENTIAL WELDS*****	_____	***	*****	*****	___	*****	*****
C05.011.018	1CA68-06	CN-1CA-068 CN-1592-1.1	_____	MT	NDE-25	CS	06.00 00.432	----	-----
C05.011.019	1CA68-14	CN-1CA-068 CN-1592-1.1	_____	MT	NDE-25	CS	06.00 00.432	----	-----
C05.011.020	1CA68-04	CN-1CA-068 CN-1592-1.1	_____	MT	NDE-25	CS	06.00 00.432	----	-----
C05.011.021	1CA68-05	CN-1CA-068 CN-1592-1.1	_____	MT	NDE-25	CS	06.00 00.432	----	-----
C05.011.022	1CA68-13	CN-1CA-068 CN-1592-1.1	_____	MT	NDE-25	CS	06.00 00.432	----	-----

PROGRAM: NISIRUNB-QAISI02  
 FILE: C007133  
 PLANT: CATAWBA UNIT 1  
 KEY: ITEM NUMBER C05

DUKE POWER COMPANY  
 QUALITY ASSURANCE DEPARTMENT  
 PRE-SERVICE AND IN-SERVICE INSPECTION SYSTEM  
 CATAWBA 1 OUTAGE 7 INSERVICE INSPECTION LISTING

PAGE 57  
 DATE 03/10/94

ITEM NUMBER	ID. NUMBER	DRAWING NUMBERS	LOCS.	INSP. REQ.	PROC. NUMBERS	MATERIAL TYPE/GRADE	DIAM./THICK	CALIB BLOCK	COMMENTS
C05.011.188	IND11-03	CN-IND-011 CN-1561-1.0	_____	PT	NDE-35	SS	08.00 00.250	-----	REF. C05.012.027
C05.011.189	IND11-04	CN-IND-011 CN-1561-1.0	_____	PT	NDE-35	SS	08.00 00.250	-----	REF. C05.012.027
C05.011.190	IND12-05	CN-IND-012 CN-1561-1.0	_____	PT	NDE-35	SS	08.00 09.322	-----	REF. C05.012.028
C05.011.191	IND12-06	CN-IND-012 CN-1561-1.0	_____	PT	NDE-35	SS	08.00 00.322	-----	REF. C05.012.028
C05.011.192	IND12-03	CN-IND-012 CN-1561-1.0	_____	PT	NDE-35	SS	08.00 00.250	-----	REF. C05.012.029
C05.011.193	IND12-04	CN-IND-012 CN-1561-1.0	_____	PT	NDE-35	SS	08.00 00.250	-----	REF. C05.012.029
C05.011.194	IND12-07	CN-IND-012 CN-1561-1.0	_____	PT	NDE-35	SS	08.00 00.250	-----	REF. C05.012.030
C05.011.195	IND12-08	CN-IND-012 CN-1561-1.0	_____	PT	NDE-35	SS	08.00 00.250	-----	REF. C05.012.030

PROGRAM: NISIRUNB-QAISI02  
 FILE: C007133  
 PLANT: CATAHBA UNIT 1  
 KEY: ITEM NUMBER C05

DUKE POWER COMPANY  
 QUALITY ASSURANCE DEPARTMENT  
 PRE-SERVICE AND IN-SERVICE INSPECTION SYSTEM  
 CATAHBA 1 OUTAGE 7 INSERVICE INSPECTION LISTING

PAGE 58  
 DATE 03/10/94

ITEM NUMBER	ID. NUMBER	DRAWING NUMBERS	LOCS.	INSP REQ.	PROC. NUMBERS	MATERIAL TYPE/GRADE	DIAM./ THICK	CALIB BLOCK	COMMENTS
C05.011.196	IND13-01	CN-IND-013 CN-1561-1.1	_____	PT	NDE-35	SS	14.00 00.438	-----	TERMINAL END RHR PUMP 1B
C05.011.197	IND13-05	CN-IND-013 CN-1561-1.1	_____	PT	NDE-35	SS	14.00 00.438	-----	REF. C05.012.031
C05.011.198	IND13-11	CN-IND-013 CN-1561-1.1	_____	PT	NDE-35	SS	14.00 00.438	-----	REF. C05.012.032
C05.011.213	IND19-01	CN-IND-019 CN-1561-1.1	_____	PT	NDE-35	SS	08.00 00.250	-----	REF. C05.012.038
C05.011.214	IND19-05	CN-IND-019 CN-1561-1.1	_____	PT	NDE-35	SS	08.00 00.250	-----	REF. C05.012.039
C05.011.215	IND19-06	CN-IND-019 CN-1561-1.1	_____	PT	NDE-35	SS	08.00 00.250	-----	REF. C05.012.039
C05.011.216	IND19-07	CN-IND-019 CN-1561-1.1	_____	PT	NDE-35	SS	08.00 00.250	-----	REF. C05.012.040
C05.011.217	IND19-08	CN-IND-019 CN-1561-1.1	_____	PT	NDE-35	SS	08.00 00.250	-----	REF. C05.012.040

PROGRAM: NISIRUNB-QAISI02  
 FILE: C007133  
 PLANT: CATAWBA UNIT 1  
 KEY: ITEM NUMBER C05

DUKE POWER COMPANY  
 QUALITY ASSURANCE DEPARTMENT  
 PRE-SERVICE AND IN-SERVICE INSPECTION SYSTEM  
 CATAWBA 1 OUTAGE 7 INSERVICE INSPECTION LISTING

PAGE 59  
 DATE 03/10/94

ITEM NUMBER	ID. NUMBER	DRAWING NUMBERS	LOCS.	INSP. REQ.	PROC. NUMBERS	MATERIAL TYPE/GRADE	DIAM./THICK	CALIB BLOCK	COMMENTS
C05.011.218	IND20-05	CN-IND-020 CN-1561-1.1	_____	PT	NDE-35	SS	08.00 00.322	-----	REF. C05.012.041
C05.011.219	IND20-06	CN-IND-020 CN-1561-1.1	_____	PT	NDE-35	SS	08.00 00.322	-----	REF. C05.012.041
C05.011.220	IND20-07	CN-IND-020 CN-1561-1.1	_____	PT	NDE-35	SS	08.00 00.250	-----	REF. C05.012.042
C05.011.221	IND20-08	CN-IND-020 CN-1561-1.1	_____	PT	NDE-35	SS	08.00 00.250	-----	REF. C05.012.042
C05.011.258	IND58-09	CN-IND-058 CN-1561-1.0	_____	PT	NDE-35	SS	08.00 00.250	-----	REF. C05.012.063
C05.011.259	IND58-10	CN-IND-058 CN-1561-1.0	_____	PT	NDE-35	SS	08.00 00.250	-----	REF. C05.012.063
C05.011.260	IND59-11	CN-IND-059 CN-1561-1.0	_____	PT	NDE-35	SS	08.00 00.250	-----	REF. C05.012.064
C05.011.261	IND59-12	CN-IND-059 CN-1561-1.0	_____	PT	NDE-35	SS	14.00 00.438	-----	TERMINAL END RHR HT. EXCHANGER 1A REF. C05.012.064



PROGRAM: NISIRUMB-QAISI02  
 FILE: C007133  
 PLANT: CATAMBA UNIT 1  
 KEY: ITEM NUMBER C05

DUKE POWER COMPANY  
 QUALITY ASSURANCE DEPARTMENT  
 PRE-SERVICE AND IN-SERVICE INSPECTION SYSTEM  
 CATAMBA 1 OUTAGE 7 INSERVICE INSPECTION LISTING

PAGE 60  
 DATE 03/10/94

ITEM NUMBER	ID. NUMBER	DRAWING NUMBERS	LOCS.	INSP. REQ.	PROC. NUMBERS	MATERIAL TYPE/GRADE	DIAM. THICK	CALIB BLOCK	COMMENTS
C05.011.262	IND60-04	CN-IND-060 CN-1561-1.0	_____	PT	NDE-35	SS	08.00 00.250	-----	_____
C05.011.263	IND60-09	CN-IND-060 CN-1561-1.0	_____	PT	NDE-35	SS	08.00 00.250	-----	REF. C05.012.065
C05.011.264	IND60-10	CN-IND-060 CN-1561-1.0	_____	PT	NDE-35	SS	08.00 00.250	-----	REF. C05.012.065
C05.011.265	IND64-01	CN-IND-064 CN-1561-1.1	_____	PT	NDE-35	SS	14.00 00.438	-----	TERMINAL END RHR HT. EXCHANGER 1B REF. C05.012.066
C05.011.266	IND64-15	CN-IND-064 CN-1561-1.1	_____	PT	NDE-35	SS	08.00 00.250	-----	_____
C05.011.267	IND64-16	CN-IND-064 CN-1561-1.1	_____	PT	NDE-35	SS	08.00 00.250	-----	REF. C05.012.066
C05.011.300	INI17-01	CN-INI-017 CN-1562-1.1	_____	PT	NDE-35	SS	10.00 00.365	-----	_____
C05.011.301	INI17-06	CN-INI-017 CN-1562-1.1	_____	PT	NDE-35	SS	10.00 00.365	-----	TERMINAL END SAF INJ ACC TANK 1B

PROGRAM: NISIRUNB-QAISI02  
 FILE: C007133  
 PLANT: CATAWBA UNIT 1  
 KEY: ITEM NUMBER C05

DUKE POWER COMPANY  
 QUALITY ASSURANCE DEPARTMENT  
 PRE-SERVICE AND IN-SERVICE INSPECTION SYSTEM  
 CATAWBA 1 OUTAGE 7 INSERVICE INSPECTION LISTING

PAGE 61  
 DATE 03/10/94

ITEM NUMBER	ID. NUMBER	DRAWING NUMBERS	LOCS.	INSP. REQ.	PROC. NUMBERS	MATERIAL TYPE/GRADE	DIAM. THICK	CALIB. BLOCK	COMMENTS
C05.011.302	INI19-04	CN-1NI-019 CN-1562-1.1	_____	PT	NDE-35	SS	10.00 00.365	-----	
C05.011.303	INI19-06	CN-1NI-019 CN-1562-1.1	_____	PT	NDE-35	SS	10.00 00.365	-----	TERMINAL END SAF INJ ACC TANK 1C
C05.011.332	IACCA-13-14	CN-1562-1.1 CNM 1201.04-151	_____	PT	NDE-35	CS/SS	10.00 00.365	-----	SAF.INJ.ACCUMULATOR TANK 1A OUTLET NOZZLE TO SAFE END
C05.011.333	IACCB-13-14	CN-1562-1.1 CNM 1201.04-151	_____	PT	NDE-35	CS/SS	10.00 00.365	-----	SAF.INJ.ACCUMULATOR TANK 1B OUTLET NOZZLE TO SAFE END
C05.011.334	IACCC-13-14	CN-1562-1.1 CNM 1201.04-151	_____	PT	NDE-35	CS/SS	10.00 00.365	-----	SAF.INJ.ACCUMULATOR TANK 1C OUTLET NOZZLE TO SAFE END
C05.011.335	IACCD-13-14	CN-1562-1.1 CNM 1201.04-151	_____	PT	NDE-35	CS/SS	10.00 00.365	-----	SAF.INJ.ACCUMULATOR TANK 1D OUTLET NOZZLE TO SAFE END
C05.011.350	ISA1-01	CN-ISA-001 CN-1593-1.1	_____	MT	NDE-25	CS	06.00 00.432	-----	
C05.011.351	ISA1-04	CN-ISA-001 CN-1593-1.1	_____	MT	NDE-25	CS	06.00 00.432	-----	

PROGRAM: NISIRUNB-QAISI02  
 FILE: C007133  
 PLANT: CATAWBA UNIT 1  
 KEY: ITEM NUMBER C05

DUKE POWER COMPANY  
 QUALITY ASSURANCE DEPARTMENT  
 PRE-SERVICE AND IN-SERVICE INSPECTION SYSTEM  
 CATAWBA 1 OUTAGE 7 INSERVICE INSPECTION LISTING

PAGE 62  
 DATE 03/10/94

ITEM NUMBER	ID. NUMBER	DRAWING NUMBERS	LOCS.	INSP REQ.	PROC. NUMBERS	MATERIAL TYPE/GRADE	DIAM./ THICK	CALIB BLOCK	COMMENTS
C05.011.352	1SA1-11	CN-1SA-001 CN-1593-1.1	_____	MT	NDE-25	CS	06.00 00.432	-----	_____
C05.011.353	1SA1-14	CN-1SA-001 CN-1593-1.1	_____	MT	NDE-25	CS	06.00 00.432	-----	_____
C05.011.354	1SA1-16	CN-1SA-001 CN-1593-1.1	_____	MT	NDE-25	CS	06.00 00.432	-----	_____
C05.011.355	1SA1-21	CN-1SA-001 CN-1593-1.1	_____	MT	NDE-25	CS	06.00 00.432	-----	_____
C05.012.000	**LONGITUDINAL	WELDS***** *****	_____	***	*****	*****	_____ _____ _____	*****	***** *****
C05.012.027	1ND11-03L	CN-1ND-011 CN-1561-1.0	_____	PT	NDE-35	SS	08.00 00.250	-----	EL. LONG. SEAM WELD TO BE DONE WITH C05.011.188/C05.011.189
C05.012.028	1ND12-05L	CN-1ND-012 CN-1561-1.0	_____	PT	NDE-35	SS	08.00 00.322	-----	EL. LONG SEAM WELD TO BE DONE WITH C05.011.190/C05.011.191
C05.012.029	1ND12-03L	CN-1ND-012 CN-1561-1.0	_____	PT	NDE-35	SS	08.00 00.250	-----	EL. LONG. SEAM WELD TO BE DONE WITH C05.011.192/C05.011.193

PROGRAM: NISIRUNB-QAISI02  
 FILE: C007133  
 PLANT: CATAWBA UNIT 1  
 KEY: ITEM NUMBER C05

DUKE POWER COMPANY  
 QUALITY ASSURANCE DEPARTMENT  
 PRE-SERVICE AND IN-SERVICE INSPECTION SYSTEM  
 CATAWBA 1 OUTAGE 7 INSERVICE INSPECTION LISTING

PAGE 63  
 DATE 03/10/94

ITEM NUMBER	ID. NUMBER	DRAWING NUMBERS	LOCS.	INSP. REQ.	PROC. NUMBERS	MATERIAL TYPE/GRADE	DIAM./THICK	CALIB BLOCK	COMMENTS
C05.012.030	IND12-07L	CN-IND-012 CN-1561-1.0	_____	PT	NDE-35	SS	08.00 00.250	-----	EL. LONG. SEAM WELD TO BE DONE WITH C05.011.194/C05.011.195
C05.012.031	IND13-05L	CN-IND-013 CN-1561-1.1	_____	PT	NDE-35	SS	14.00 00.438	-----	ELBOW LONG. SEAM WELD TO BE DONE WITH C05.011.197
C05.012.032	IND13-11L	CN-IND-013 CN-1561-1.1	_____	PT	NDE-35	SS	14.00 00.438	-----	ELBOW LONG. SEAM WELD TO BE DONE WITH C05.011.198
C05.012.039	IND19-05L	CN-IND-019 CN-1561-1.1	_____	PT	NDE-35	SS	08.00 00.250	-----	EL. LONG. SEAM WELD TO BE DONE WITH C05.011.214/C05.011.215
C05.012.040	IND19-07L	CN-IND-019 CN-1561-1.1	_____	PT	NDE-35	SS	08.00 00.250	-----	EL. LONG. SEAM WELD TO BE DONE WITH C05.011.216/C05.011.217
C05.012.041	IND20-05L	CN-IND-020 CN-1561-1.1	_____	PT	NDE-35	SS	08.00 00.322	-----	EL. LONG. SEAM WELD TO BE DONE WITH C05.011.218/C05.011.219
C05.012.042	IND20-07L	CN-IND-020 CN-1561-1.1	_____	PT	NDE-35	SS	08.00 00.250	-----	EL. LONG. SEAM WELD TO BE DONE WITH C05.011.220/C05.011.221
C05.012.063	IND58-09L	CN-IND-058 CN-1561-1.0	_____	PT	NDE-35	SS	08.00 00.250	-----	EL. LONG. SEAM WELD TO BE DONE WITH C05.011.258/C05.011.259

PROGRAM: NISIRUNB-QAISI02  
 FILE: C007133  
 PLANT: CATAKBA UNIT 1  
 KEY: ITEM NUMBER C05

DUKE POWER COMPANY  
 QUALITY ASSURANCE DEPARTMENT  
 PRE-SERVICE AND IN-SERVICE INSPECTION SYSTEM  
 CATAKBA 1 OUTAGE 7 INSERVICE INSPECTION LISTING

PAGE 64  
 DATE 03/10/94

ITEM NUMBER	ID. NUMBER	DRAWING NUMBERS	LOCS.	INSP. PROC. REQ. NUMBERS	MATERIAL TYPE/GRADE	DIAM./ THICK	CALIB BLOCK	COMMENTS
C05.012.064	IND59-12L	CN-IND-059 CN-1561-1.0	_____	PT NDE-35	SS	14.00 00.438	-----	14X8 RED. LONG. SM. WD. TO BE DONE WITH C05.011.260/ C05.011.261
C05.012.065	IND60-09L	CN-IND-060 CN-1561-1.0	_____	PT NDE-35	SS	08.00 00.250	-----	EL. LONG SEAM WELD TO BE DONE WITH C05.011.263/C05.011.264
C05.012.066	IND64-01L	CN-IND-064 CN-1561-1.1	_____	PT NDE-35	SS	14.00 00.438	-----	14X8 RED. LONG. SM. WD. TO BE DONE WITH C05.011.265/ C05.011.267
C05.020.000	*****PIPING	WELDS***** *****	_____	*** *****	*****	___	*****	GREATER THAN 1/2" NOMINAL WALL THICKNESS*****
C05.021.000	*****	CIRCUMFERENTIAL WELDS*****	_____	*** *****	*****	___	*****	***** *****
C05.021.002	1CA68-01	CN-1CA-068 CN-1592-1.1	_____	UT NDE-600	CS	06.00 00.562	50355	TERMINAL END AUX FEEDWATER SG1B (6 INCH XXS CAL.BLK.USED TO COVER THICKNESS RANGE)
C05.021.002A	1CA68-01	CN-1CA-068 CN-1592-1.1	_____	MT NDE-25	CS	06.00 00.562	-----	TERMINAL END AUX FEEDWATER SG1B
C05.021.060	1CF34-03	CN-1CF-034 CN-1591-1.1	_____	UT NDE-600	CS	18.00 00.938	50330	----- -----

PROGRAM: NISIRUNB-QAISI02  
 FILE: C007133  
 PLANT: CATAHBA UNIT 1  
 KEY: ITEM NUMBER C05

DUKE POWER COMPANY  
 QUALITY ASSURANCE DEPARTMENT  
 PRE-SERVICE AND IN-SERVICE INSPECTION SYSTEM  
 CATAHBA 1 OUTAGE 7 INSERVICE INSPECTION LISTING

PAGE 65  
 DATE 03/10/94

ITEM NUMBER	ID. NUMBER	DRAWING NUMBERS	LOCS.	INSP. REQ.	PROC. NUMBERS	MATERIAL TYPE/GRADE	DIAM. THICK	CALIB BLOCK	COMMENTS
C05.021.060A	1CF34-03	CN-1CF-034 CN-1591-1.1	_____	MT	NDE-25	CS	18.00 00.938	-----	-----
C05.021.061	1CF34-04	CN-1CF-034 CN-1591-1.1	_____	UT	NDE-600	CS	18.00 00.938	50330	-----
C05.021.061A	1CF34-04	CN-1CF-034 CN-1591-1.1	_____	MT	NDE-25	CS	18.00 00.938	-----	-----
C05.021.062	1CF17-01	CN-1CF-017 CN-1591-1.1	_____	UT	NDE-600	CS	18.00 00.938	50330	-----
C05.021.062A	1CF17-01	CN-1CF-017 CN-1591-1.1	_____	MT	NDE-25	CS	18.00 00.938	-----	-----
C05.021.151	1ND3-06	CN-1ND-003 CN-1561-1.0	_____	UT	NDE-600	SS	18.00 00.562	50317	REF. C05.022.002
C05.021.151A	1ND3-06	CN-1ND-003 CN-1561-1.0	_____	PT	NDE-35	SS	18.00 00.562	-----	REF. C05.022.002A
C05.021.152	1ND39-12	CN-1ND-039 CN-1561-1.0	_____	UT	NDE-600 NDE-610	SS	12.00 01.125	50316	-----

PROGRAM: NISIRUNB-QAISI02  
 FILE: C007133  
 PLANT: CATAWBA UNIT 1  
 KEY: ITEM NUMBER C05

DUKE POWER COMPANY  
 QUALITY ASSURANCE DEPARTMENT  
 PRE-SERVICE AND IN-SERVICE INSPECTION SYSTEM  
 CATAWBA 1 OUTAGE 7 INSERVICE INSPECTION LISTING

PAGE 66  
 DATE 03/10/94

ITEM NUMBER	ID. NUMBER	DRAWING NUMBERS	LOCS.	INSP. REQ.	PROC. NUMBERS	MATERIAL TYPE/GRADE	DIAM. THICK	CALIB BLOCK	COMMENTS
C05.021.152A	IND39-12	CN-IND-039 CN-1561-1.0	_____	PT	NDE-35	SS	12.00 01.125	-----	-----
C05.021.236	INI179-04	CN-INI-179 CN-1562-1.4	_____	UT	NDE-600 NDE-610	SS	12.00 01.125	50316	-----
C05.021.236A	INI179-04	CN-INI-179 CN-1562-1.4	_____	PT	NDE-35	SS	12.00 01.125	-----	-----
C05.022.000	**LONGITUDINAL	WELDS***** *****	_____	***	*****	*****	____	*****	***** *****
C05.022.002	IND3-06L	CN-IND-003 CN-1561-1.0	_____	UT	NDE-600	SS	18.00 00.562	50317	TEE LONG. SM. WD. TO BE DONE WITH C05.021.151
C05.022.002A	IND3-06L	CN-IND-003 CN-1561-1.0	_____	PT	NDE-35	SS	18.00 00.562	-----	TEE LONG. SM. WD. TO BE DONE WITH C05.021.151A

PROGRAM: NISIRUB-QAISI02  
 FILE: C007133  
 PLANT: CATAMBA UNIT 1  
 KEY: ITEM NUMBER C06

DUKE POWER COMPANY  
 QUALITY ASSURANCE DEPARTMENT  
 PRE-SERVICE AND IN-SERVICE INSPECTION SYSTEM  
 CATAMBA 1 OUTAGE 7 INSERVICE INSPECTION LISTING

PAGE 67  
 DATE 03/10/94

ITEM NUMBER ID, NUMBER	DRAWING NUMBERS	LOCS.	INSP. PROC. REQ. NUMBERS	MATERIAL TYPE/GRADE	DIAM./ THICK	CALIB BLOCK	COMMENTS
C06.000.000 *****PRESSURE			*** *****	*****		*****	***** ***** *****
C06.020.000 *****VALVE			*** *****	*****		*****	***** ***** *****



PROGRAM: NISIRUNB-QAISI02  
 FILE: C007133  
 PLANT: CATAWBA UNIT 1  
 KEY: ITEM NUMBER C07

DUKE POWER COMPANY  
 QUALITY ASSURANCE DEPARTMENT  
 PRE-SERVICE AND IN-SERVICE INSPECTION SYSTEM  
 CATAWBA 1 OUTAGE 7 INSERVICE INSPECTION LISTING

PAGE 68  
 DATE 03/10/94

ITEM NUMBER	ID. NUMBER	DRAWING NUMBERS	LOCS.	INSP REQ. NUMBERS	PROC. NUMBERS	MATERIAL TYPE/GRADE	DIAM./THICK	CALIB BLOCK	COMMENTS
C07.000.000	*****PRESSURE	RETAINING COMPONENTS *****	_____	***	*****	*****	--- ---	*****	REF. PRESSURE TEST PROGRAM MAINTAINED BY QATS-GO
C07.010.000	*****PRESSURE	VESSELS***** *****	_____	***	*****	*****	--- ---	*****	REF. PRESSURE TEST PROGRAM MAINTAINED BY QATS-GO
C07.020.000	*****PRESSURE	VESSELS***** *****	_____	***	*****	*****	--- ---	*****	REF. PRESSURE TEST PROGRAM MAINTAINED BY QATS-GO
C07.030.000	*****PIPING	PRESSURE RETAINING COMPONENTS*****	_____	***	*****	*****	--- ---	*****	REF. PRESSURE TEST PROGRAM MAINTAINED BY QATS-GO
C07.040.000	*****PIPING	PRESSURE RETAINING COMPONENTS*****	_____	***	*****	*****	--- ---	*****	REF. PRESSURE TEST PROGRAM MAINTAINED BY QATS-GO
C07.050.000	*****PUMPS	PRESSURE RETAINING COMPONENTS*****	_____	***	*****	*****	--- ---	*****	REF. PRESSURE TEST PROGRAM MAINTAINED BY QATS-GO
C07.060.000	*****PUMPS	PRESSURE RETAINING COMPONENTS*****	_____	***	*****	*****	--- ---	*****	REF. PRESSURE TEST PROGRAM MAINTAINED BY QATS-GO
C07.070.000	*****VALVES	PRESSURE RETAINING COMPONENTS*****	_____	***	*****	*****	--- ---	*****	REF. PRESSURE TEST PROGRAM MAINTAINED BY QATS-GO

PROGRAM: NISIRUNB-GAISI02  
 FILE: C007133  
 PLANT: CATAWBA UNIT 1  
 KEY: ITEM NUMBER C07

DUKE POWER COMPANY  
 QUALITY ASSURANCE DEPARTMENT  
 PRE-SERVICE AND IN-SERVICE INSPECTION SYSTEM  
 CATAWBA 1 OUTAGE 7 INSERVICE INSPECTION LISTING

PAGE 69  
 DATE 03/10/94

ITEM NUMBER	ID. NUMBER	DRAWING NUMBERS	LOCS.	INSP. PROC. REQ. NUMBERS	MATERIAL TYPE/GRADE	DIAM./ THICK	CALIB BLOCK	COMMENTS
C07.080.000	*****VALVES	PRESSURE RETAINING COMPONENTS*****	_____	*** *****	*****	__	*****	REF. PRESSURE TEST PROGRAM MAINTAINED BY QATS-GO

PROGRAM: NISIRUMB-QAISI02  
 FILE: C007133  
 PLANT: CATAHBA UNIT 1  
 KEY: ITEM NUMBER D01

DUKE POWER COMPANY  
 QUALITY ASSURANCE DEPARTMENT  
 PRE-SERVICE AND IN-SERVICE INSPECTION SYSTEM  
 CATAHBA 1 OUTAGE 7 INSERVICE INSPECTION LISTING

PAGE 70  
 DATE 03/10/94

ITEM NUMBER	ID. NUMBER	DRAWING NUMBERS	LOCS.	INSP REQ.	PROC. NUMBERS	MATERIAL TYPE/GRADE	DIAM./ THICK	CALIB BLOCK	COMMENTS
D01.010.000	*****PRESSURE	RETAINING COMPONENTS ***** =====	_____	***	*****	*****	____	*****	EXAMINATION CATEGORY D-A ***** REF. PRESSURE TEST PROGRAM MAINTAINED BY QATS-G0
D01.011.000	*****SYSTEM	INSERVICE TEST***** ***** =====	_____	***	*****	*****	____	*****	REF. PRESSURE TEST PROGRAM MAINTAINED BY QATS-G0
D01.012.000	*****SYSTEM	HYDROSTATIC TEST**** ***** =====	_____	***	*****	*****	____	*****	REF. PRESSURE TEST PROGRAM MAINTAINED BY QATS-G0

PROGRAM: NISIRUNB-QAISI02  
 FILE: C007133  
 PLANT: CATAHBA UNIT 1  
 KEY: ITEM NUMBER D02

DUKE POWER COMPANY  
 QUALITY ASSURANCE DEPARTMENT  
 PRE-SERVICE AND IN-SERVICE INSPECTION SYSTEM  
 CATAHBA 1 OUTAGE 7 INSERVICE INSPECTION LISTING

PAGE 71  
 DATE 03/10/94

ITEM NUMBER	ID. NUMBER	DRAWING NUMBERS	LOCS.	INSP. PROC. REQ. NUMBERS	MATERIAL TYPE/GRADE	DIAM./THICK	CALIB BLOCK	COMMENTS
D02.010.000	*****PRESSURE	RETAINING COMPONENTS *****	_____	*** *****	*****	____	*****	EXAMINATION CATEGORY D-B ***** REF. PRESSURE TEST PROGRAM MAINTAINED BY QATS-GO
D02.011.000	*****SYSTEM	FUNCTIONAL TEST***** *****	_____	*** *****	*****	____	_____	REF. PRESSURE TEST PROGRAM MAINTAINED BY QATS-GO
D02.012.000	*****SYSTEM	HYDROSTATIC TEST**** *****	_____	*** *****	*****	____	*****	REF. PRESSURE TEST PROGRAM MAINTAINED BY QATS-GO
D02.020.000	*****CLASS 3	INTEGRAL ATTACHMENTS *****	_____	*** *****	*****	____	*****	COMPONENT SUPPORTS/RESTRAINTS EXAMINATION CATEGORY D-B
D02.020.003	1-R-CA-0185	CN-1492-CA-025R	_____	VT3 QAL-14	CS	00.750	-----	WELD NUMBERS 3 AND 4 TO BE DONE WITH F1.03.168
D02.020.022	1-R-KD-0057	CN-1506-KD-006R	_____	VT3 QAL-14	CS	00.750	-----	WELD NUMBERS 3 - 6 TO BE DONE WITH F1.03.359
D02.020.062	1-R-LD-0053	CN-1506-LD-104R	_____	VT3 QAL-14	CS	00.500	_____	WELD NUMBERS 3-8 TO BE DONE WITH F1.03.252
D02.020.099	1-R-RN-0611	CN-1506-RN-001R	_____	VT3 QAL-14	CS	00.750	_____	WELD NUMBERS 1-8 TO BE DONE WITH F1.03.862

PROGRAM: NISIRUMB-QAISI02  
FILE: C007133  
PLANT: CATAWBA UNIT 1  
KEY: ITEM NUMBER D02

DUKE POWER COMPANY  
QUALITY ASSURANCE DEPARTMENT  
PRE-SERVICE AND IN-SERVICE INSPECTION SYSTEM  
CATAWBA 1 OUTAGE 7 INSERVICE INSPECTION LISTING

PAGE 72  
DATE 03/10/94

ITEM NUMBER	ID. NUMBER	DRAWING NUMBERS	LOCS.	INSP PROC. REQ. NUMBERS	MATERIAL TYPE/GRADE	DIAM./ THICK	CALIB BLOCK	COMMENTS
D02.020.100	1-R-RN-0629	CN-1506-RN-002R		VT3 QAL-14	CS	00.750		WELD NUMBERS 1-8 TO BE DONE WITH F1.03.870

PROGRAM: NISIRUMB-QAISI02  
 FILE: C007133  
 PLANT: CATAHBA UNIT 1  
 KEY: ITEM NUMBER D03

DUKE POWER COMPANY  
 QUALITY ASSURANCE DEPARTMENT  
 PRE-SERVICE AND IN-SERVICE INSPECTION SYSTEM  
 CATAHBA 1 OUTAGE 7 INSERVICE INSPECTION LISTING

PAGE 73  
 DATE 03/10/94

ITEM NUMBER	ID. NUMBER	DRAWING NUMBERS	LOCS.	INSP. PROC. REQ. NUMBERS	MATERIAL TYPE/GRADE	DIAM./ THICK	CALIB BLOCK	COMMENTS
D03.010.000	*****PRESSURE	RETAINING COMPONENTS *****	_____	*** *****	*****	---	*****	EXAMINATION CATEGORY D-C ***** REF. PRESSURE TEST PROGRAM MAINTAINED BY QATS-G0
D03.011.000	*****SYSTEM	INSERVICE TEST***** *****	_____	*** *****	*****	---	_____	REF. PRESSURE TEST PROGRAM MAINTAINED BY QATS-G0
D03.012.000	*****SYSTEM	HYDROSTATIC TEST**** *****	_____	*** *****	*****	---	*****	REF. PRESSURE TEST PROGRAM MAINTAINED BY QATS-G0

PROGRAM: NISIRUMB-QAISI02  
 FILE: C007133  
 PLANT: CATAWBA UNIT 1  
 KEY: ITEM NUMBER F1.

DUKE POWER COMPANY  
 QUALITY ASSURANCE DEPARTMENT  
 PRE-SERVICE AND IN-SERVICE INSPECTION SYSTEM  
 CATAWBA 1 OUTAGE 7 INSERVICE INSPECTION LISTING

PAGE 74  
 DATE 03/10/94

ITEM NUMBER	ID. NUMBER	DRAWING NUMBERS	LOCS.	INSP. REQ.	PROC. NUMBERS	MATERIAL TYPE/GRADE	DIAM./THICK	CALIB BLOCK	COMMENTS
F1.01.000	*****CLASS 1	SUPPORTS ***** *****		***	*****	*****		*****	***** *****
F1.01.103	1-R-NC-1535	CN-1491-NC-109R		VT	QAL-14	-----	01.50	-----	SPRING HANGER
F1.01.104	1-R-NC-1536	CN-1491-NC-109R		VT	QAL-14	-----	01.50	-----	MECHANICAL SNUBBER
F1.01.192	1-R-NC-2322	CN-1491-NC-190		VT	QAL-14	-----	03.00	-----	RIGID SUPPORT RPV HEAD VENT MODIFICATION
F1.01.478	1-R-NI-1452	CN-1491-NI-086R		VT	QAL-14	-----	08.00	-----	RIGID SUPPORT
F1.01.479	1-R-NI-1453	CN-1491-NI-086R		VT	QAL-14	-----	08.00	-----	RIGID SUPPORT
F1.01.480	1-R-NI-1454	CN-1491-NI-086R		VT	QAL-14	-----	08.00	-----	RIGID SUPPORT
F1.01.481	1-R-NI-1455	CN-1491-NI-086R		VT	QAL-14	-----	08.00	-----	RIGID SUPPORT

PROGRAM: NISIRUMB-QAISI02  
 FILE: C007133  
 PLANT: CATAWBA UNIT 1  
 KEY: ITEM NUMBER F1.

DUKE POWER COMPANY  
 QUALITY ASSURANCE DEPARTMENT  
 PRE-SERVICE AND IN-SERVICE INSPECTION SYSTEM  
 CATAWBA 1 OUTAGE 7 INSERVICE INSPECTION LISTING

PAGE 75  
 DATE 03/10/94

ITEM NUMBER	ID. NUMBER	DRAWING NUMBERS	LOCS.	INSP. REQ.	PROC. NUMBERS	MATERIAL TYPE/GRADE	DIAM./ THICK	CALIB BLOCK	COMMENTS
F1.01.482	1-R-NI-1456	CN-1491-NI-086R ----- =====	_____	VT	QAL-14	-----	08.00	-----	RIGID SUPPORT ----- ----- -----
F1.01.483	1-R-NI-1458	CN-1491-NI-086R ----- =====	_____	VT	QAL-14	-----	08.00	-----	RIGID SUPPORT ----- ----- -----
F1.01.484	1-R-NI-2286	CN-1491-NI-086R ----- =====	_____	VT	QAL-14	-----	08.00	-----	RIGID SUPPORT ----- ----- -----
F1.01.485	1-R-NI-1461	CN-1491-NI-090R ----- =====	_____	VT	QAL-14	-----	08.00	-----	RIGID SUPPORT ----- ----- -----
F1.01.486	1-R-NI-1462	CN-1491-NI-090R ----- =====	_____	VT	QAL-14	-----	08.00	-----	RIGID SUPPORT ----- ----- -----
F1.01.487	1-R-NI-1464	CN-1491-NI-090R ----- =====	_____	VT	QAL-14	-----	08.00	-----	RIGID SUPPORT ----- ----- -----
F1.01.488	1-R-NI-1465	CN-1491-NI-090R ----- =====	_____	VT	QAL-14	-----	08.00	-----	RIGID SUPPORT ----- ----- -----
F1.01.489	1-R-NI-1466	CN-1491-NI-090R ----- =====	_____	VT	QAL-14	-----	08.00	-----	RIGID SUPPORT ----- ----- -----



PROGRAM: NISIRUNB-QAISI02  
 FILE: C007133  
 PLANT: CATAHBA UNIT 1  
 KEY: ITEM NUMBER F1.

DUKE POWER COMPANY  
 QUALITY ASSURANCE DEPARTMENT  
 PRE-SERVICE AND IN-SERVICE INSPECTION SYSTEM  
 CATAHBA 1 OUTAGE 7 INSERVICE INSPECTION LISTING

PAGE 76  
 DATE 03/10/94

ITEM NUMBER	ID. NUMBER	DRAWING NUMBERS	LOCS.	INSP. REQ.	PROC. NUMBERS	MATERIAL TYPE/GRADE	DIAM. THICK	CALIB BLOCK	COMMENTS
F1.01.490	1-R-NI-1467	CN-1491-NI-090R ----- =====	_____	VT	QAL-14	-----	06.00	-----	RIGID SUPPORT ----- =====
F1.01.491	1-R-NI-1390	CN-1491-NI-059R ----- =====	_____	VT	QAL-14	-----	06.00	-----	RIGID SUPPORT ----- =====
F1.01.492	1-R-NI-2233	CN-1491-NI-079R ----- =====	_____	VT	QAL-14	-----	12.00	-----	RIGID SUPPORT ----- =====
F1.01.493	1-R-NI-2234	CN-1491-NI-079R ----- =====	_____	VT	QAL-14	-----	12.00	-----	RIGID SUPPORT ----- =====
F1.01.494	1-R-NI-2235	CN-1491-NI-079R ----- =====	_____	VT	QAL-14	-----	12.00	-----	RIGID SUPPORT ----- =====
F1.01.495	1-R-NI-2236	CN-1491-NI-079R ----- =====	_____	VT	QAL-14	-----	12.00	-----	RIGID SUPPORT ----- =====
F1.01.496	1-R-NI-2237	CN-1491-NI-079R ----- =====	_____	VT	QAL-14	-----	12.00	-----	RIGID SUPPORT ----- =====
F1.01.497	1-R-NI-2238	CN-1491-NI-079R ----- =====	_____	VT	QAL-14	-----	12.00	-----	RIGID SUPPORT ----- =====

PROGRAM: NISIRUNB-QAISI02  
 FILE: C007133  
 PLANT: CATAWBA UNIT 1  
 KEY: ITEM NUMBER F1.

DUKE POWER COMPANY  
 QUALITY ASSURANCE DEPARTMENT  
 PRE-SERVICE AND IN-SERVICE INSPECTION SYSTEM  
 CATAWBA 1 OUTAGE 7 INSERVICE INSPECTION LISTING

PAGE 77  
 DATE 03/10/94

ITEM NUMBER	ID. NUMBER	DRAWING NUMBERS	LOCS.	INSP REQ.	PROC. NUMBERS	MATERIAL TYPE/GRADE	DIAM./ THICK	CALIB BLOCK	COMMENTS
F1.01.499	1-R-NI-2220	CN-1491-NI-080R		VT	QAL-14		12.00		RIGID SUPPORT
F1.01.501	1-R-NI-2223	CN-1491-NI-080R		VT	QAL-14		12.00		RIGID SUPPORT
F1.01.502	1-R-NI-2224	CN-1491-NI-080R		VT	QAL-14		12.00		RIGID SUPPORT
F1.01.503	1-R-NI-2232	CN-1491-NI-080R		VT	QAL-14		12.00		RIGID SUPPORT
F1.01.504	1-R-NI-2240	CN-1491-NI-080R		VT	QAL-14		12.00		RIGID SUPPORT
F1.01.505	1-R-NI-2250	CN-1491-NI-080R		VT	QAL-14		12.00		RIGID SUPPORT
F1.01.506	1-R-NI-2251	CN-1491-NI-080R		VT	QAL-14		12.00		RIGID SUPPORT
F1.01.514	1-R-NI-2191	CN-1491-NI-084R		VT	QAL-14		12.00		RIGID SUPPORT

PROGRAM: NISIRUMB-QAISI02  
 FILE: C007133  
 PLANT: CATAWBA UNIT 1  
 KEY: ITEM NUMBER F1.

DUKE POWER COMPANY  
 QUALITY ASSURANCE DEPARTMENT  
 PRE-SERVICE AND IN-SERVICE INSPECTION SYSTEM  
 CATAWBA 1 OUTAGE 7 INSERVICE INSPECTION LISTING

PAGE 78  
 DATE 03/10/94

ITEM NUMBER	ID. NUMBER	DRAWING NUMBERS	LOCS.	INSP. REQ.	PROC. NUMBERS	MATERIAL TYPE/GRADE	DIAM./THICK	CALIB BLOCK	COMMENTS
F1.01.515	1-R-NI-2192	CN-1491-NI-084R ----- =====	_____	VT	QAL-14	-----	12.00	-----	RIGID SUPPORT ----- -----
F1.01.516	1-R-NI-2193	CN-1491-NI-084R ----- =====	_____	VT	QAL-14	-----	12.00	-----	RIGID SUPPORT ----- -----
F1.01.517	1-R-NI-2194	CN-1491-NI-084R ----- =====	_____	VT	QAL-14	-----	12.00	-----	RIGID SUPPORT ----- -----
F1.01.518	1-R-NI-2195	CN-1491-NI-084R ----- =====	_____	VT	QAL-14	-----	12.00	-----	RIGID SUPPORT ----- -----
F1.01.519	1-R-NI-2196	CN-1491-NI-084R ----- =====	_____	VT	QAL-14	-----	12.00	-----	RIGID SUPPORT ----- -----
F1.01.520	1-R-NI-2197	CN-1491-NI-084R ----- =====	_____	VT	QAL-14	-----	12.00	-----	RIGID SUPPORT ----- -----
F1.01.521	1-R-NI-2198	CN-1491-NI-084R ----- =====	_____	VT	QAL-14	-----	12.00	-----	RIGID SUPPORT ----- -----
F1.01.522	1-R-NI-2199	CN-1491-NI-084R ----- =====	_____	VT	QAL-14	-----	12.00	-----	RIGID SUPPORT ----- -----

PROGRAM: MISIRUNB-QAISI02  
 FILE: CC07133  
 PLANT: CATAWBA UNIT 1  
 KEY: ITEM NUMBER F1.

DUKE POWER COMPANY  
 QUALITY ASSURANCE DEPARTMENT  
 PRE-SERVICE AND IN-SERVICE INSPECTION SYSTEM  
 CATAWBA 1 OUTAGE 7 INSERVICE INSPECTION LISTING

PAGE 79  
 DATE 03/10/94

ITEM NUMBER	ID. NUMBER	DRAWING NUMBERS	LOCS.	INSP. REQ.	PROC. NUMBERS	MATERIAL TYPE/GRADE	DIAM./THICK	CALIB BLOCK	COMMENTS
F1.01.523	1-R-NI-2206	CN-1491-NI-084R		VT	QAL-14	-----	12.00	-----	RIGID SUPPORT
F1.01.524	1-R-NI-2207	CN-1491-NI-084R		VT	QAL-14	-----	12.00	-----	RIGID SUPPORT
F1.01.618	1-R-NV-1501	CN-1491-NV-004R		VT	QAL-14	-----	01.50	-----	RIGID SUPPORT
F1.01.619	1-R-NV-1502	CN-1491-NV-004R		VT	QAL-14	-----	01.50	-----	RIGID SUPPORT
F1.01.620	1-R-NV-1503	CN-1491-NV-004R		VT	QAL-14	-----	02.00	-----	RIGID SUPPORT
F1.01.621	1-R-NV-1504	CN-1491-NV-004R		VT	QAL-14	-----	02.00	-----	RIGID SUPPORT
F1.01.622	1-R-NV-1505	CN-1491-NV-004R		VT	QAL-14	-----	02.00	-----	RIGID SUPPORT
F1.01.623	1-R-NV-1506	CN-1491-NV-004R		VT	QAL-14	-----	02.00	-----	RIGID SUPPORT

PROGRAM: NISIRUNB-QAISI02  
 FILE: C007133  
 PLANT: CATAMBA UNIT 1  
 KEY: ITEM NUMBER F1.

DUKE POWER COMPANY  
 QUALITY ASSURANCE DEPARTMENT  
 PRE-SERVICE AND IN-SERVICE INSPECTION SYSTEM  
 CATAMBA 1 OUTAGE 7 INSERVICE INSPECTION LISTING

PAGE 80  
 DATE 03/10/94

ITEM NUMBER	ID. NUMBER	DRAWING NUMBERS	LOCS.	INSP. REQ.	PROC. NUMBERS	MATERIAL TYPE/GRADE	DIAM./ THICK	CALIB BLOCK	COMMENTS
F1.01.624	1-R-NV-1507	CN-1491-NV-004R	_____	VT	QAL-14	-----	02.00	-----	SPRING HANGER
F1.01.625	1-R-NV-1508	CN-1491-NV-004R	_____	VT	QAL-14	-----	02.00	-----	RIGID SUPPORT
F1.01.626	1-R-NV-1466	CN-1491-NV-012R	_____	VT	QAL-14	-----	01.50	-----	RIGID SUPPORT
F1.01.627	1-R-NV-1467	CN-1491-NV-012R	_____	VT	QAL-14	-----	01.50	-----	RIGID SUPPORT
F1.01.628	1-R-NV-1468	CN-1491-NV-012R	_____	VT	QAL-14	-----	02.00	-----	RIGID SUPPORT
F1.01.629	1-R-NV-1469	CN-1491-NV-012R	_____	VT	QAL-14	-----	02.00	-----	RIGID SUPPORT
F1.01.630	1-R-NV-1470	CN-1491-NV-012R	_____	VT	QAL-14	-----	02.00	-----	RIGID SUPPORT
F1.01.631	1-R-NV-1471	CN-1491-NV-012R	_____	VT	QAL-14	-----	02.00	-----	RIGID SUPPORT

PROGRAM: NISIRUNB-QAISI02  
 FILE: C007133  
 PLANT: CATAMBA UNIT 1  
 KEY: ITEM NUMBER F1.

DUKE POWER COMPANY  
 QUALITY ASSURANCE DEPARTMENT  
 PRE-SERVICE AND IN-SERVICE INSPECTION SYSTEM  
 CATAMBA 1 OUTAGE 7 INSERVICE INSPECTION LISTING

PAGE 81  
 DATE 03/10/94

ITEM NUMBER	ID. NUMBER	DRAWING NUMBERS	LOCS.	INSP REQ.	PROC. NUMBERS	MATERIAL TYPE/GRADE	DIAM./ THICK	CALIB BLOCK	COMMENTS
F1.01.632	1-R-NV-1472	CN-1491-NV-012R	_____	VT	QAL-14	-----	02.00	-----	RIGID SUPPORT
F1.01.633	1-R-NV-1473	CN-1491-NV-012R	_____	VT	QAL-14	-----	02.00	-----	RIGID SUPPORT
F1.01.634	1-R-NV-1474	CN-1491-NV-012R	_____	VT	QAL-14	-----	02.00	-----	RIGID SUPPORT
F1.01.642	1-R-NV-1446	CN-1491-NV-019R	_____	VT	QAL-14	-----	01.50	-----	RIGID SUPPORT
F1.01.643	1-R-NV-1447	CN-1491-NV-019R	_____	VT	QAL-14	-----	01.50	-----	RIGID SUPPORT
F1.01.644	1-R-NV-1448	CN-1491-NV-019R	_____	VT	QAL-14	-----	02.00	-----	RIGID SUPPORT
F1.01.645	1-R-NV-1452	CN-1491-NV-019R	_____	VT	QAL-14	-----	02.00	-----	SPRING HANGER
F1.01.705	ISGA-COLUMNS	CN-1070-9	_____	VT	QAL-14	-----	___	-----	STEAM GENERATOR SUPPORT COLUMNS (4 ASSEMBLIES)

PROGRAM: NISIRUMB-QAISI02  
 FILE: C007133  
 PLANT: CATAHBA UNIT 1  
 KEY: ITEM NUMBER F1.

DUKE POWER COMPANY  
 QUALITY ASSURANCE DEPARTMENT  
 PRE-SERVICE AND IN-SERVICE INSPECTION SYSTEM  
 CATAHBA 1 OUTAGE 7 INSERVICE INSPECTION LISTING

PAGE 82  
 DATE 03/10/94

ITEM NUMBER	ID. NUMBER	DRAWING NUMBERS	LOCS.	INSP. REQ.	PROC. NUMBERS	MATERIAL TYPE/GRADE	DIAM./THICK	CALIB BLOCK	COMMENTS
F1.01.706	1SGD-SUPPORT	CN-1070-30	_____	VT	QAL-14	-----	___	-----	STEAM GENERATOR UPPER LATERAL AND SNUBBERS
F1.01.707	1RCPB-COLUMNS	CN-1070-9	_____	VT	QAL-14	-----	___	-----	REACTOR COOLANT PUMP SUPPORT COLUMNS (3 ASSEMBLIES)
F1.01.708	1RCPC-SUPPORT	CN-1070-8	_____	VT	QAL-14	-----	___	-----	REACTOR COOLANT PUMP LATERAL SUPPORT
F1.02.000	*****CLASS 2	SUPPORTS ***** *****	_____	***	*****	*****	___	*****	*****
F1.02.056	1-R-CA-1650	CN-1491-CA-006R	_____	VT	QAL-14	-----	06.00	-----	RIGID SUPPORT
F1.02.057	1-R-CA-1651	CN-1491-CA-006R	_____	VT	QAL-14	-----	06.00	-----	RIGID SUPPORT
F1.02.059	1-R-CA-1653	CN-1491-CA-006R	_____	VT	QAL-14	-----	06.00	-----	RIGID SUPPORT
F1.02.060	1-R-CA-1654	CN-1491-CA-006R	_____	VT	QAL-14	-----	06.00	-----	RIGID SUPPORT

PROGRAM: NISIRUMB-QAISI02  
 FILE: CO07133  
 PLANT: CATAWBA UNIT 1  
 KEY: ITEM NUMBER F1.

DUKE POWER COMPANY  
 QUALITY ASSURANCE DEPARTMENT  
 PRE-SERVICE AND IN-SERVICE INSPECTION SYSTEM  
 CATAWBA 1 OUTAGE 7 INSERVICE INSPECTION LISTING

PAGE 83  
 DATE 03/10/94

ITEM NUMBER	ID. NUMBER	DRAWING NUMBERS	LOCS.	INSP. REQ.	PROC. NUMBERS	MATERIAL TYPE/GRADE	DIAM./ THICK	CALIB. BLOCK	COMMENTS
F1.02.062	1-R-CA-1656	CN-1491-CA-006R	_____	VT	QAL-14	-----	06.00	-----	SPRING HANGER
F1.02.063	1-R-CA-1587	CN-1491-CA-007R	_____	VT	QAL-14	-----	06.00	-----	RIGID SUPPORT
F1.02.064	1-R-CA-1589	CN-1491-CA-007R	_____	VT	QAL-14	-----	06.00	-----	RIGID SUPPORT
F1.02.065	1-R-CA-1590	CN-1491-CA-007R	_____	VT	QAL-14	-----	06.00	-----	RIGID SUPPORT
F1.02.066	1-R-CA-1591	CN-1491-CA-007R	_____	VT	QAL-14	-----	06.00	-----	MECHANICAL SNUBBER
F1.02.067	1-R-CA-1592	CN-1491-CA-007R	_____	VT	QAL-14	-----	06.00	-----	RIGID SUPPORT
F1.02.069	1-R-CA-1595	CN-1491-CA-007R	_____	VT	QAL-14	-----	06.00	-----	RIGID SUPPORT
F1.02.070	1-R-CA-1596	CN-1491-CA-007R	_____	VT	QAL-14	-----	06.00	-----	RIGID SUPPORT



PROGRAM: NISIRUNB-QAISI02  
 FILE: C007133  
 PLANT: CATAWBA UNIT 1  
 KEY: ITEM NUMBER F1.

DUKE POWER COMPANY  
 QUALITY ASSURANCE DEPARTMENT  
 PRE-SERVICE AND IN-SERVICE INSPECTION SYSTEM  
 CATAWBA 1 OUTAGE 7 INSERVICE INSPECTION LISTING

PAGE 84  
 DATE 03/10/94

ITEM NUMBER	ID. NUMBER	DRAWING NUMBERS	LOCS.	INSP. REQ.	PROC. NUMBERS	MATERIAL TYPE/GRADE	DIAM./THICK	CALIB BLOCK	COMMENTS
F1.02.071	1-R-CA-1597	CN-1491-CA-007R		VT	QAL-14	-----	06.00	-----	RIGID SUPPORT
F1.02.072	1-R-CA-1598	CN-1491-CA-007R		VT	QAL-14	-----	06.00	-----	SPRING HANGER
F1.02.075	1-R-CA-1673	CN-1491-CA-007R		VT	QAL-14	-----	06.00	-----	RIGID SUPPORT
F1.02.077	1-R-CA-1675	CN-1491-CA-007R		VT	QAL-14	-----	06.00	-----	RIGID SUPPORT
F1.02.078	1-R-CA-1676	CN-1491-CA-007R		VT	QAL-14	-----	06.00	-----	RIGID SUPPORT
F1.02.165	1-R-CF-1518	CN-1491-CF-004R		VT	QAL-14	-----	18.00	-----	RIGID SUPPORT
F1.02.166	1-R-CF-1519	CN-1491-CF-004R		VT	QAL-14	-----	18.00	-----	MECHANICAL SNUBBER
F1.02.167	1-R-CF-1520	CN-1491-CF-004R		VT	QAL-14	-----	18.00	-----	MECHANICAL SNUBBER

PROGRAM: NISIRUMB-QAISI02  
 FILE: C007133  
 PLANT: CATAHBA UNIT 1  
 KEY: ITEM NUMBER F1.

DUKE POWER COMPANY  
 QUALITY ASSURANCE DEPARTMENT  
 PRE-SERVICE AND IN-SERVICE INSPECTION SYSTEM  
 CATAHBA 1 OUTAGE 7 INSERVICE INSPECTION LISTING

PAGE 85  
 DATE 03/10/94

ITEM NUMBER	ID. NUMBER	DRAWING NUMBERS	LOCS.	INSP. REQ.	PROC. NUMBERS	MATERIAL TYPE/GRADE	DIAM./ THICK	CALIB BLOCK	COMMENTS
F1.02.168	1-R-CF-1521	CN-1491-CF-004R	_____	VT	QAL-14	-----	18.00	-----	RIGID SUPPORT
F1.02.174	1-R-CF-1500	CN-1491-CF-006R	_____	VT	QAL-14	-----	18.00	-----	RIGID SUPPORT
F1.02.175	1-R-CF-1501	CN-1491-CF-006R	_____	VT	QAL-14	-----	18.00	-----	MECHANICAL SNUBBER
F1.02.176	1-R-CF-1502	CN-1491-CF-006R	_____	VT	QAL-14	-----	18.00	-----	MECHANICAL SNUBBER
F1.02.177	1-R-CF-1503	CN-1491-CF-006R	_____	VT	QAL-14	-----	18.00	-----	RIGID SUPPORT
F1.02.468	1-R-ND-0127	CN-1492-ND-030R	_____	VT	QAL-14	-----	08.00	-----	RIGID SUPPORT
F1.02.470	1-R-ND-0129	CN-1492-ND-030R	_____	VT	QAL-14	-----	08.00	-----	SPRING HANGER
F1.02.471	1-R-ND-0130	CN-1492-ND-030R	_____	VT	QAL-14	-----	08.00	-----	RIGID SUPPORT

PROGRAM: NISIRUNB-QAISI02  
 FILE: C007133  
 PLANT: CATANBA UNIT 1  
 KEY: ITEM NUMBER F1.

DUKE POWER COMPANY  
 QUALITY ASSURANCE DEPARTMENT  
 PRE-SERVICE AND IN-SERVICE INSPECTION SYSTEM  
 CATANBA 1 OUTAGE 7 INSERVICE INSPECTION LISTING

PAGE 86  
 DATE 03/10/94

ITEM NUMBER	ID. NUMBER	DRAWING NUMBERS	LOCS.	INSP REQ.	PROC. NUMBERS	MATERIAL TYPE/GRADE	DIAM./ THICK	CALIB BLOCK	COMMENTS
F1.02.472	1-R-ND-0131	CN-1492-ND-030R		VT	QAL-14	-----	08.00	-----	SPRING HANGER
F1.02.473	1-R-ND-0188	CN-1492-ND-030R		VT	QAL-14	-----	08.00	-----	RIGID SUPPORT
F1.02.476	1-R-ND-0523	CN-1492-ND-030R		VT	QAL-14	-----	08.00	-----	RIGID SUPPORT
F1.02.477	1-R-ND-0607	CN-1492-ND-030R		VT	QAL-14	-----	08.00	-----	RIGID SUPPORT
F1.02.478	1-R-ND-0608	CN-1492-ND-030R		VT	QAL-14	-----	08.00	-----	RIGID SUPPORT
F1.02.479	1-R-ND-0609	CN-1492-ND-030R		VT	QAL-14	-----	08.00	-----	RIGID SUPPORT
F1.02.480	1-R-ND-0610	CN-1492-ND-030R		VT	QAL-14	-----	08.00	-----	RIGID SUPPORT
F1.02.481	1-R-ND-0611	CN-1492-ND-030R		VT	QAL-14	-----	08.00	-----	RIGID SUPPORT

PROGRAM: NISIRUMB-QAISI02  
 FILE: C007133  
 PLANT: CATAWBA UNIT 1  
 KEY: ITEM NUMBER F1.

DUKE POWER COMPANY  
 QUALITY ASSURANCE DEPARTMENT  
 PRE-SERVICE AND IN-SERVICE INSPECTION SYSTEM  
 CATAWBA 1 OUTAGE 7 INSERVICE INSPECTION LISTING

PAGE 87  
 DATE 03/10/94

ITEM NUMBER	ID. NUMBER	DRAWING NUMBERS	LOCS.	INSP. REQ.	PROC. NUMBERS	MATERIAL TYPE/GRADE	DIAM./THICK	CALIB BLOCK	COMMENTS
F1.02.482	1-R-ND-0612	CN-1492-ND-030R ----- =====	_____	VT	QAL-14	-----	08.00	-----	RIGID SUPPORT ----- =====
F1.02.483	1-R-ND-0621	CN-1492-ND-030R ----- =====	_____	VT	QAL-14	-----	08.00	-----	RIGID SUPPORT ----- =====
F1.02.484	1-R-ND-0626	CN-1492-ND-030R ----- =====	_____	VT	QAL-14	-----	08.00	-----	SPRING HANGER ----- =====
F1.02.485	1-R-ND-0123	CN-1492-ND-031R ----- =====	_____	VT	QAL-14	-----	08.00	-----	RIGID SUPPORT ----- =====
F1.02.486	1-R-ND-0125	CN-1492-ND-031R ----- =====	_____	VT	QAL-14	-----	08.00	-----	SPRING HANGER ----- =====
F1.02.487	1-R-ND-0126	CN-1492-ND-031R ----- =====	_____	VT	QAL-14	-----	08.00	-----	RIGID SUPPORT ----- =====
F1.02.488	1-R-ND-0186	CN-1492-ND-031R ----- =====	_____	VT	QAL-14	-----	08.00	-----	RIGID SUPPORT ----- =====
F1.02.489	1-R-ND-0187	CN-1492-ND-031R ----- =====	_____	VT	QAL-14	-----	08.00	-----	RIGID SUPPORT ----- =====

PROGRAM: NISIRUNB-QAISI02  
 FILE: C007133  
 PLANT: CATAHBA UNIT 1  
 KEY: ITEM NUMBER F1.

DUKE POWER COMPANY  
 QUALITY ASSURANCE DEPARTMENT  
 PRE-SERVICE AND IN-SERVICE INSPECTION SYSTEM  
 CATAHBA 1 OUTAGE 7 INSERVICE INSPECTION LISTING

PAGE 88  
 DATE 03/10/94

ITEM NUMBER	ID. NUMBER	DRAWING NUMBERS	LOCS.	INSP. REQ.	PROC. NUMBERS	MATERIAL TYPE/GRADE	DIAM./THICK	CALIB BLOCK	COMMENTS
F1.02.491	1-R-ND-0163	CN-1492-ND-041R		VT	QAL-14	-----	12.00	-----	RIGID SUPPORT
F1.02.493	1-R-ND-0267	CN-1492-ND-041R		VT	QAL-14	-----	12.00	-----	RIGID SUPPORT
F1.02.494	1-R-ND-0630	CN-1492-ND-041R		VT	QAL-14	-----	12.00	-----	RIGID SUPPORT
F1.02.496	1-R-ND-0157	CN-1492-ND-050R		VT	QAL-14	-----	18.00	-----	RIGID SUPPORT
F1.02.497	1-R-ND-0168	CN-1492-ND-050R		VT	QAL-14	-----	12.00	-----	SPRING HANGER
F1.02.498	1-R-ND-0169	CN-1492-ND-050R		VT	QAL-14	-----	12.00	-----	RIGID SUPPORT
F1.02.499	1-R-ND-0170	CN-1492-ND-050R		VT	QAL-14	-----	12.00	-----	RIGID SUPPORT
F1.02.500	1-R-ND-0171	CN-1492-ND-050R		VT	QAL-14	-----	12.00	-----	RIGID SUPPORT

PROGRAM: NISIRUMB-QAISI02  
 FILE: C007133  
 PLANT: CATAHBA UNIT 1  
 KEY: ITEM NUMBER F1.

DUKE POWER COMPANY  
 QUALITY ASSURANCE DEPARTMENT  
 PRE-SERVICE AND IN-SERVICE INSPECTION SYSTEM  
 CATAHBA 1 OUTAGE 7 INSERVICE INSPECTION LISTING

PAGE 89  
 DATE 03/10/94

ITEM NUMBER	ID. NUMBER	DRAWING NUMBERS	LOCS.	INSP. REQ.	PROC. NUMBERS	MATERIAL TYPE/GRADE	DIAM./THICK	CALIB BLOCK	COMMENTS
F1.02.501	1-R-ND-0172	CN-1492-ND-050R	_____	VT	QAL-14	-----	12.00	-----	RIGID SUPPORT
F1.02.502	1-R-ND-0173	CN-1492-ND-050R	_____	VT	QAL-14	-----	12.00	-----	RIGID SUPPORT
F1.02.605	1-R-NI-0336	CN-1491-NI-087R	_____	VT	QAL-14	-----	12.00	-----	RIGID SUPPORT
F1.02.606	1-R-NI-2271	CN-1491-NI-087R	_____	VT	QAL-14	-----	08.00	-----	RIGID SUPPORT
F1.02.607	1-R-NI-2272	CN-1491-NI-087R	_____	VT	QAL-14	-----	08.00	-----	RIGID SUPPORT
F1.02.608	1-R-NI-2273	CN-1491-NI-087R	_____	VT	QAL-14	-----	08.00	-----	RIGID SUPPORT
F1.02.609	1-R-NI-2274	CN-1491-NI-087R	_____	VT	QAL-14	-----	08.00	-----	RIGID SUPPORT
F1.02.610	1-R-NI-2275	CN-1491-NI-087R	_____	VT	QAL-14	-----	08.00	-----	RIGID SUPPORT

PROGRAM: NISIRUNB-QAISI02  
 FILE: C007133  
 PLANT: CATAWBA UNIT 1  
 KEY: ITEM NUMBER F1.

DUKE POWER COMPANY  
 QUALITY ASSURANCE DEPARTMENT  
 PRE-SERVICE AND IN-SERVICE INSPECTION SYSTEM  
 CATAWBA 1 OUTAGE 7 INSERVICE INSPECTION LISTING

PAGE 90  
 DATE 03/10/94

ITEM NUMBER	ID. NUMBER	DRAWING NUMBERS	LOCS.	INSP REQ.	PROC. NUMBERS	MATERIAL TYPE/GRADE	DIAM./THICK	CALIB BLOCK	COMMENTS
F1.02.611	1-R-NI-2278	CN-1491-NI-087R	_____	VT	QAL-14	-----	08.00	-----	RIGID SUPPORT
F1.02.682	1-R-NI-1501	CN-1492-NI-044R	_____	VT	QAL-14	-----	12.00	-----	RIGID SUPPORT
F1.02.683	1-R-NI-1502	CN-1492-NI-044R	_____	VT	QAL-14	-----	12.00	-----	RIGID SUPPORT
F1.02.686	1-R-NI-1516	CN-1492-NI-044R	_____	VT	QAL-14	-----	12.00	-----	RIGID SUPPORT
F1.02.780	1-R-SA-0010	CN-1492-SA-002R	_____	VT	QAL-14	-----	06.00	-----	RIGID SUPPORT
F1.02.781	1-R-SA-0011	CN-1492-SA-002R	_____	VT	QAL-14	-----	06.00	-----	RIGID SUPPORT
F1.02.782	1-R-SA-0012	CN-1492-SA-002R	_____	VT	QAL-14	-----	06.00	-----	RIGID SUPPORT
F1.02.783	1-R-SA-0013	CN-1492-SA-002R	_____	VT	QAL-14	-----	06.00	-----	SPRING HANGER

PROGRAM: NISIRUMB-QAISI02  
 FILE: C007133  
 PLANT: CATAHBA UNIT 1  
 KEY: ITEM NUMBER F1.

DUKE POWER COMPANY  
 QUALITY ASSURANCE DEPARTMENT  
 PRE-SERVICE AND IN-SERVICE INSPECTION SYSTEM  
 CATAHBA 1 OUTAGE 7 INSERVICE INSPECTION LISTING

PAGE 91  
 DATE 03/10/94

ITEM NUMBER	ID. NUMBER	DRAWING NUMBERS	LOCS.	INSP. REQ.	PROC. NUMBERS	MATERIAL TYPE/GRADE	DIAM./THICK	CALIB BLOCK	COMMENTS
F1.02.784	1-R-SA-0014	CN-1492-SA-002R		VT	QAL-14		06.00		MECHANICAL SNUBBER
F1.02.785	1-R-SA-0015	CN-1492-SA-002R		VT	QAL-14		06.00		RIGID SUPPORT
F1.02.786	1-R-SA-0016	CN-1492-SA-002R		VT	QAL-14		06.00		MECHANICAL SNUBBER
F1.02.787	1-R-SA-0017	CN-1492-SA-002R		VT	QAL-14		06.00		RIGID SUPPORT
F1.02.788	1-R-SA-0018	CN-1492-SA-002R		VT	QAL-14		06.00		SPRING HANGER
F1.02.789	1-R-SA-0019	CN-1492-SA-002R		VT	QAL-14		06.00		RIGID SUPPORT
F1.02.790	1-R-SA-0020	CN-1492-SA-002R		VT	QAL-14		06.00		SPRING HANGER
F1.02.791	1-R-SA-0022	CN-1492-SA-002R		VT	QAL-14		06.00		MECHANICAL SNUBBER



PROGRAM: NISIRUNB-QAISI02  
 FILE: C007133  
 PLANT: CATAWBA UNIT 1  
 KEY: ITEM NUMBER F1.

DUKE POWER COMPANY  
 QUALITY ASSURANCE DEPARTMENT  
 PRE-SERVICE AND IN-SERVICE INSPECTION SYSTEM  
 CATAWBA 1 OUTAGE 7 INSERVICE INSPECTION LISTING

PAGE 92  
 DATE 03/10/94

ITEM NUMBER	ID. NUMBER	DRAWING NUMBERS	LOCS.	INSP. REQ.	PROC. NUMBERS	MATERIAL TYPE/GRADE	DIAM./THICK	CALIB BLOCK	COMMENTS
F1.02.792	1-R-SA-0027	CN-1492-SA-002R	_____	VT	QAL-14	-----	06.00	-----	RIGID SUPPORT
F1.02.793	1-R-SA-0029	CN-1492-SA-002R	_____	VT	QAL-14	-----	06.00	-----	SPRING HANGER
F1.02.794	1-R-SA-0061	CN-1492-SA-002R	_____	VT	QAL-14	-----	06.00	-----	SPRING HANGER
F1.02.869	1-R-SM-1000	CN-1491-SM-003R	_____	VT	QAL-14	-----	42.00	-----	MECHANICAL SNUBBER
F1.02.870	1-R-SM-1001	CN-1491-SM-003R	_____	VT	QAL-14	-----	42.00	-----	MECHANICAL SNUBBER
F1.02.871	1-R-SM-1002	CN-1491-SM-003R	_____	VT	QAL-14	-----	42.00	-----	SPRING HANGER
F1.02.872	1-R-SM-1003	CN-1491-SM-003R	_____	VT	QAL-14	-----	42.00	-----	MECHANICAL SNUBBER
F1.02.873	1-R-SM-1004	CN-1491-SM-003R	_____	VT	QAL-14	-----	42.00	-----	MECHANICAL SNUBBER

PROGRAM: NISIRUNB-QAISI02  
 FILE: C007133  
 PLANT: CATAWBA UNIT 1  
 KEY: ITEM NUMBER F1.

DUKE POWER COMPANY  
 QUALITY ASSURANCE DEPARTMENT  
 PRE-SERVICE AND IN-SERVICE INSPECTION SYSTEM  
 CATAWBA 1 OUTAGE 7 INSERVICE INSPECTION LISTING

PAGE 93  
 DATE 03/10/94

ITEM NUMBER	ID. NUMBER	DRAWING NUMBERS	LOCS.	INSP. REQ.	PROC. NUMBERS	MATERIAL TYPE/GRADE	DIAM. THICK	CALIB BLOCK	COMMENTS
F1.02.874	1-R-SM-1005	CN-1491-SM-003R	_____	VT	QAL-14	-----	42.00	-----	MECHANICAL SNUBBER
F1.02.875	1-R-SM-1006	CN-1491-SM-003R	_____	VT	QAL-14	-----	42.00	-----	RIGID SUPPORT
F1.02.876	1-R-SM-1007	CN-1491-SM-003R	_____	VT	QAL-14	-----	42.00	-----	SPRING HANGER
F1.02.877	1-R-SM-1008	CN-1491-SM-003R	_____	VT	QAL-14	-----	34.00	-----	RIGID SUPPORT
F1.02.878	1-R-SM-1009	CN-1491-SM-003R	_____	VT	QAL-14	-----	34.00	-----	MECHANICAL SNUBBER
F1.02.879	1-R-SM-1536	CN-1491-SM-003R	_____	VT	QAL-14	-----	34.00	-----	MECHANICAL SNUBBER
F1.02.880	1-R-SM-1537	CN-1491-SM-003R	_____	VT	QAL-14	-----	34.00	-----	MECHANICAL SNUBBER
F1.02.881	1-R-SM-1538	CN-1491-SM-003R	_____	VT	QAL-14	-----	34.00	-----	SPRING HANGER

PROGRAM: NISIRUNB-QAISI02  
 FILE: C007133  
 PLANT: CATAHBA UNIT 1  
 KEY: ITEM NUMBER F1.

DUKE POWER COMPANY  
 QUALITY ASSURANCE DEPARTMENT  
 PRE-SERVICE AND IN-SERVICE INSPECTION SYSTEM  
 CATAHBA 1 OUTAGE 7 INSERVICE INSPECTION LISTING

PAGE 94  
 DATE 03/10/94

ITEM NUMBER	ID. NUMBER	DRAWING NUMBERS	LOCS.	INSP. REQ.	PROC. NUMBERS	MATERIAL TYPE/GRADE	DIAM. THICK	CALIB BLOCK	COMMENTS
F1.02.882	1-R-SM-1539	CN-1491-SM-003R	_____	VT	QAL-14	-----	34.00	-----	MECHANICAL SNUBBER
F1.02.883	1-R-SM-1540	CN-1491-SM-003R	_____	VT	QAL-14	-----	34.00	-----	SPRING HANGER
F1.02.884	1-R-SM-1541	CN-1491-SM-003R	_____	VT	QAL-14	-----	34.00	-----	MECHANICAL SNUBBER
F1.02.885	1-R-SM-1542	CN-1491-SM-003R	_____	VT	QAL-14	-----	34.00	-----	MECHANICAL SNUBBER
F1.02.886	1-R-SM-1543	CN-1491-SM-003R	_____	VT	QAL-14	-----	34.00	-----	RIGID SUPPORT
F1.02.887	1-R-SM-1544	CN-1491-SM-003R	_____	VT	QAL-14	-----	34.00	-----	RIGID SUPPORT
F1.02.888	1-R-SM-1545	CN-1491-SM-003R	_____	VT	QAL-14	-----	34.00	-----	MECHANICAL SNUBBER
F1.02.890	1-R-SM-1548	CN-1491-SM-003R	_____	VT	QAL-14	-----	34.00	-----	RIGID SUPPORT

PROGRAM: NISIRUNB-QAISI02  
 FILE: CO07133  
 PLANT: CATAWBA UNIT 1  
 KEY: ITEM NUMBER F1.

DUKE POWER COMPANY  
 QUALITY ASSURANCE DEPARTMENT  
 PRE-SERVICE AND IN-SERVICE INSPECTION SYSTEM  
 CATAWBA 1 OUTAGE 7 INSERVICE INSPECTION LISTING

PAGE 95  
 DATE 03/10/94

ITEM NUMBER	ID. NUMBER	DRAWING NUMBERS	LOCS.	INSP. REQ.	PROC. NUMBERS	MATERIAL TYPE/GRADE	DIAM./THICK	CALIB BLOCK	COMMENTS
F1.02.891	1-R-SM-1549	CN-1491-SM-003R	_____	VT	QAL-14	-----	34.00	-----	MECHANICAL SNUBBER
F1.02.951	1-R-SV-1514	CN-1491-SV-005R	_____	VT	QAL-14	-----	06.00	-----	MECHANICAL SNUBBER
F1.02.952	1-R-SV-1515	CN-1491-SV-005R	_____	VT	QAL-14	-----	06.00	-----	RIGID SUPPORT
F1.02.953	1-R-SV-1516	CN-1491-SV-005R	_____	VT	QAL-14	-----	06.00	-----	MECHANICAL SNUBBER
F1.02.954	1-R-SV-1517	CN-1491-SV-005R	_____	VT	QAL-14	-----	06.00	-----	RIGID SUPPORT
F1.02.955	1-R-SV-1519	CN-1491-SV-005R	_____	VT	QAL-14	-----	06.00	-----	RIGID SUPPORT
F1.02.956	1-R-SV-1612	CN-1491-SV-005R	_____	VT	QAL-14	-----	06.00	-----	RIGID SUPPORT
F1.02.957	1-R-SV-1620	CN-1491-SV-005R	_____	VT	QAL-14	-----	06.00	-----	RIGID SUPPORT

PROGRAM: NISIRUNG-GAISI02  
 FILE: C007133  
 PLANT: CATANBA UNIT 1  
 KEY: ITEM NUMBER FI.

DUKE POWER COMPANY  
 QUALITY ASSURANCE DEPARTMENT  
 PRE-SERVICE AND IN-SERVICE INSPECTION SYSTEM  
 CATANBA 1 OUTAGE 7 INSERVICE INSPECTION LISTING

PAGE 96  
 DATE 03/10/94

ITEM NUMBER	ID. NUMBER	DRAWING NUMBERS	LOCS.	INSP. PROC. REQ. NUMBERS	MATERIAL TYPE/GRADE	DIAM. THICK	CALIB. BLOCK	COMMENTS
F1.02.959	1-R-SV-1645	CN-1491-SV-005R		VT QAL-14		06.00		RIGID SUPPORT
F1.02.977	1-R-SV-1522	CN-1491-SV-008R		VT QAL-14		06.00		RIGID SUPPORT
F1.02.979	1-R-SV-1524	CN-1491-SV-008R		VT QAL-14		06.00		RIGID SUPPORT
F1.02.980	1-R-SV-1526	CN-1491-SV-008R		VT QAL-14		06.00		RIGID SUPPORT
F1.02.981	1-R-SV-1608	CN-1491-SV-008R		VT QAL-14		06.00		RIGID SUPPORT
F1.02.982	1-R-SV-1623	CN-1491-SV-008R		VT QAL-14		06.00		RIGID SUPPORT
F1.02.990	LACCA-SKIRT	CN-1562-1.1 CN# 1201.04-151		VT QAL-14				SAF. INJ. ACCUMULATOR TANK 1A SUPPORT SKIRI
F1.03.000	*****CLASS 3	SUPPORTS***** *****		*** *****				***** *****

PROGRAM: NISIRUNB-QAISI02  
 FILE: C007133  
 PLANT: CATAWBA UNIT 1  
 KEY: ITEM NUMBER F1.

DUKE POWER COMPANY  
 QUALITY ASSURANCE DEPARTMENT  
 PRE-SERVICE AND IN-SERVICE INSPECTION SYSTEM  
 CATAWBA 1 OUTAGE 7 INSERVICE INSPECTION LISTING

PAGE 97  
 DATE 03/10/94

ITEM NUMBER	ID. NUMBER	DRAWING NUMBERS	LOCS.	INSP. REQ.	PROC. NUMBERS	MATERIAL TYPE/GRADE	DIAM./THICK	CALIB BLOCK	COMMENTS
F1.03.157	1-R-CA-0179	CN-1492-CA-024R ----- =====	_____	VT	QAL-14	-----	08.00	-----	RIGID SUPPORT ----- ----- -----
F1.03.159	1-R-CA-0182	CN-1492-CA-024R ----- =====	_____	VT	QAL-14	-----	08.00	-----	SPRING HANGER ----- ----- -----
F1.03.160	1-R-CA-0220	CN-1492-CA-024R ----- =====	_____	VT	QAL-14	-----	08.00	-----	SPRING HANGER ----- ----- -----
F1.03.161	1-R-CA-0153	CN-1492-CA-025R ----- =====	_____	VT	QAL-14	-----	04.00	-----	RIGID SUPPORT ----- ----- -----
F1.03.162	1-R-CA-0154	CN-1492-CA-025R ----- =====	_____	VT	QAL-14	-----	04.00	-----	RIGID SUPPORT ----- ----- -----
F1.03.163	1-R-CA-0155	CN-1492-CA-025R ----- =====	_____	VT	QAL-14	-----	04.00	-----	RIGID SUPPORT ----- ----- -----
F1.03.164	1-R-CA-0156	CN-1492-CA-025R ----- =====	_____	VT	QAL-14	-----	04.00	-----	RIGID SUPPORT ----- ----- -----
F1.03.165	1-R-CA-0170	CN-1492-CA-025R ----- =====	_____	VT	QAL-14	-----	04.00	-----	RIGID SUPPORT ----- ----- -----

PROGRAM: NISIRUNB-QAISI02  
 FILE: C007133  
 PLANT: CATAHBA UNIT 1  
 KEY: ITEM NUMBER F1.

DUKE POWER COMPANY  
 QUALITY ASSURANCE DEPARTMENT  
 PRE-SERVICE AND IN-SERVICE INSPECTION SYSTEM  
 CATAHBA 1 OUTAGE 7 INSERVICE INSPECTION LISTING

PAGE 98  
 DATE 03/10/94

ITEM NUMBER	ID. NUMBER	DRAWING NUMBERS	LOCS.	INSP. REQ.	PROC. NUMBERS	MATERIAL TYPE/GRADE	DIAM. THICK	CALIB BLOCK	COMMENTS
F1.03.166	1-R-CA-0171	CN-1492-CA-025R	_____	VT	QAL-14	-----	04.00	-----	RIGID SUPPORT
F1.03.167	1-R-CA-0183	CN-1492-CA-025R	_____	VT	QAL-14	-----	04.00	-----	RIGID SUPPORT
F1.03.168	1-R-CA-0185	CN-1492-CA-025R	_____	VT	QAL-14	-----	04.00	-----	RIGID SUPPORT TO BE DONE WITH D02.020.003
F1.03.169	1-R-CA-0187	CN-1492-CA-025R	_____	VT	QAL-14	-----	04.00	-----	RIGID SUPPORT
F1.03.170	1-R-CA-0188	CN-1492-CA-025R	_____	VT	QAL-14	-----	04.00	-----	RIGID SUPPORT
F1.03.171	1-R-CA-0221	CN-1492-CA-025R	_____	VT	QAL-14	-----	04.00	-----	RIGID SUPPORT
F1.03.172	1-R-CA-0274	CN-1492-CA-025R	_____	VT	QAL-14	-----	04.00	-----	RIGID SUPPORT
F1.03.173	1-R-CA-0275	CN-1492-CA-026R	_____	VT	QAL-14	-----	04.00	-----	RIGID SUPPORT

PROGRAM: NISIRUNB-QAISI02  
 FILE: C007133  
 PLANT: CATANBA UNIT 1  
 KEY: ITEM NUMBER F1.

DUKE POWER COMPANY  
 QUALITY ASSURANCE DEPARTMENT  
 PRE-SERVICE AND IN-SERVICE INSPECTION SYSTEM  
 CATANBA 1 OUTAGE 7 INSERVICE INSPECTION LISTING

PAGE 99  
 DATE 03/10/94

ITEM NUMBER	ID. NUMBER	DRAWING NUMBERS	LOCS.	INSP. REQ. NUMBERS	PROC. NUMBERS	MATERIAL TYPE/GRADE	DIAM./THICK	CALIB BLOCK	COMMENTS
F1.03.174	1-R-CA-0276	CN-1492-CA-026R	_____	VT	QAL-14	-----	04.00	-----	RIGID SUPPORT
F1.03.175	1-R-CA-0257	CN-1492-CA-033R	_____	VT	QAL-14	-----	08.00	-----	RIGID SUPPORT
F1.03.176	1-R-CA-0258	CN-1492-CA-033R	_____	VT	QAL-14	-----	08.00	-----	RIGID SUPPORT
F1.03.177	1-R-CA-0259	CN-1492-CA-033R	_____	VT	QAL-14	-----	08.00	-----	RIGID SUPPORT
F1.03.178	1-R-CA-0260	CN-1492-CA-033R	_____	VT	QAL-14	-----	08.00	-----	RIGID SUPPORT
F1.03.179	1-R-CA-0300	CN-1492-CA-033R	_____	VT	QAL-14	-----	08.00	-----	RIGID SUPPORT
F1.03.180	1-R-CA-0244	CN-1492-CA-034R	_____	VT	QAL-14	-----	02.00	-----	RIGID SUPPORT
F1.03.181	1-R-CA-0245	CN-1492-CA-034R	_____	VT	QAL-14	-----	02.00	-----	RIGID SUPPORT



PROGRAM: NISIRUNB-QAISI02  
 FILE: C007133  
 PLANT: CATAHBA UNIT 1  
 KEY: ITEM NUMBER F1.

DUKE POWER COMPANY  
 QUALITY ASSURANCE DEPARTMENT  
 PRE-SERVICE AND IN-SERVICE INSPECTION SYSTEM  
 CATAHBA 1 OUTAGE 7 INSERVICE INSPECTION LISTING

PAGE 100  
 DATE 03/10/94

ITEM NUMBER	ID. NUMBER	DRAWING NUMBERS	LOCS.	INSP. REQ.	PROC. NUMBERS	MATERIAL TYPE/GRADE	DIAM. THICK	CALIB BLOCK	COMMENTS
F1.03.182	1-R-CA-0246	CN-1492-CA-034R		VT	QAL-14	-----	02.00	-----	RIGID SUPPORT
F1.03.183	1-R-CA-0247	CN-1492-CA-034R		VT	QAL-14	-----	02.00	-----	RIGID SUPPORT
F1.03.184	1-R-CA-0248	CN-1492-CA-034R		VT	QAL-14	-----	02.00	-----	RIGID SUPPORT
F1.03.185	1-R-CA-0249	CN-1492-CA-034R		VT	QAL-14	-----	02.00	-----	RIGID SUPPORT
F1.03.186	1-R-CA-0250	CN-1492-CA-035R		VT	QAL-14	-----	02.00	-----	RIGID SUPPORT
F1.03.187	1-R-CA-0251	CN-1492-CA-035R		VT	QAL-14	-----	02.00	-----	RIGID SUPPORT
F1.03.188	1-R-CA-0254	CN-1492-CA-036R		VT	QAL-14	-----	02.00	-----	RIGID SUPPORT
F1.03.189	1-R-CA-0255	CN-1492-CA-036R		VT	QAL-14	-----	02.00	-----	RIGID SUPPORT

PROGRAM: NISIRUNB-QAISI02  
 FILE: C007133  
 PLANT: CATAWBA UNIT 1  
 KEY: ITEM NUMBER F1.

DUKE POWER COMPANY  
 QUALITY ASSURANCE DEPARTMENT  
 PRE-SERVICE AND IN-SERVICE INSPECTION SYSTEM  
 CATAWBA 1 OUTAGE 7 INSERVICE INSPECTION LISTING

PAGE 101  
 DATE 03/10/94

ITEM NUMBER	ID. NUMBER	DRAWING NUMBERS	LOCS.	INSP. REQ.	PROC. NUMBERS	MATERIAL TYPE/GRADE	DIAM./THICK	CALIB BLOCK	COMMENTS
F1.03.190	1-R-CA-0256	CN-1492-CA-036R	_____	VT	QAL-14	-----	02.00	-----	RIGID SUPPORT
F1.03.245	1-R-LD-0044	CN-1506-LD-104R	_____	VT	QAL-14	-----	06.00	-----	RIGID SUPPORT
F1.03.246	1-R-LD-0045	CN-1506-LD-104R	_____	VT	QAL-14	-----	06.00	-----	RIGID SUPPORT
F1.03.247	1-R-LD-0046	CN-1506-LD-104R	_____	VT	QAL-14	-----	06.00	-----	RIGID SUPPORT
F1.03.248	1-R-LD-0048	CN-1506-LD-104R	_____	VT	QAL-14	-----	06.00	-----	RIGID SUPPORT
F1.03.249	1-R-LD-0049	CN-1506-LD-104R	_____	VT	QAL-14	-----	06.00	-----	RIGID SUPPORT
F1.03.250	1-R-LD-0050	CN-1506-LD-104R	_____	VT	QAL-14	-----	06.00	-----	RIGID SUPPORT
F1.03.251	1-R-LD-0051	CN-1506-LD-104R	_____	VT	QAL-14	-----	06.00	-----	RIGID SUPPORT

PROGRAM: NISIRUNB-QAISI02  
 FILE: C007133  
 PLANT: CATAWBA UNIT 1  
 KEY: ITEM NUMBER F1.

DUKE POWER COMPANY  
 QUALITY ASSURANCE DEPARTMENT  
 PRE-SERVICE AND IN-SERVICE INSPECTION SYSTEM  
 CATAWBA 1 OUTAGE 7 INSERVICE INSPECTION LISTING

PAGE 102  
 DATE 03/10/94

ITEM NUMBER	ID. NUMBER	DRAWING NUMBERS	LOCS.	INSP. REQ.	PROC. NUMBERS	MATERIAL TYPE/GRADE	DIAM./ THICK	CALIB BLOCK	COMMENTS
F1.03.252	1-R-LD-0053	CN-1506-LD-104R	_____	VT	QAL-14	-----	06.00	-----	RIGID SUPPORT TO BE DONE WITH D02.020.062
F1.03.253	1-R-LD-0055	CN-1506-LD-104R	_____	VT	QAL-14	-----	06.00	-----	RIGID SUPPORT
F1.03.254	1-R-LD-0062	CN-1506-LD-104R	_____	VT	QAL-14	-----	06.00	-----	RIGID SUPPORT
F1.03.255	1-R-LD-0064	CN-1506-LD-104R	_____	VT	QAL-14	-----	06.00	-----	RIGID SUPPORT
F1.03.256	1-R-LD-0065	CN-1506-LD-104R	_____	VT	QAL-14	-----	06.00	-----	RIGID SUPPORT
F1.03.257	1-R-LD-0066	CN-1506-LD-104R	_____	VT	QAL-14	-----	06.00	-----	RIGID SUPPORT
F1.03.258	1-R-LD-0067	CN-1506-LD-104R	_____	VT	QAL-14	-----	06.00	-----	RIGID SUPPORT
F1.03.259	1-R-LD-0070	CN-1506-04.41-03	_____	VT	QAL-14	-----	06.00	-----	SPRING HANGER

PROGRAM: NISIRUMB-QAISI02  
 FILE: C007133  
 PLANT: CATAWBA UNIT 1  
 KEY: ITEM NUMBER F1.

DUKE POWER COMPANY  
 QUALITY ASSURANCE DEPARTMENT  
 PRE-SERVICE AND IN-SERVICE INSPECTION SYSTEM  
 CATAWBA 1 OUTAGE 7 INSERVICE INSPECTION LISTING

PAGE 103  
 DATE 03/10/94

ITEM NUMBER	ID. NUMBER	DRAWING NUMBERS	LOCS.	INSP. REQ.	PROC. NUMBERS	MATERIAL TYPE/GRADE	DIAM./THICK	CALIB BLOCK	COMMENTS
F1.03.289	1-R-TE-0023	CN-1492-TE-001R		VT	QAL-14	-----	12.00	-----	MECHANICAL SNUBBER
F1.03.290	1-R-TE-0024	CN-1492-TE-001R		VT	QAL-14	-----	12.00	-----	RIGID SUPPORT
F1.03.291	1-R-TE-0032	CN-1492-TE-001R		VT	QAL-14	-----	12.00	-----	RIGID SUPPORT
F1.03.292	1-R-TE-0040	CN-1492-TE-001R		VT	QAL-14	-----	12.00	-----	RIGID SUPPORT
F1.03.294	1-R-TE-0074	CN-1492-TE-001R		VT	QAL-14	-----	12.00	-----	RIGID SUPPORT
F1.03.297	1-R-TE-0041	CN-1492-TE-006R		VT	QAL-14	-----	12.00	-----	RIGID SUPPORT
F1.03.298	1-R-TE-0047	CN-1492-TE-006R		VT	QAL-14	-----	12.00	-----	MECHANICAL SNUBBER
F1.03.357	1-R-KD-0054	CN-1506-KD-006R		VT	QAL-14	-----	08.00	-----	RIGID SUPPORT

PROGRAM: NISIRUMB-QAISI02  
 FILE: C007133  
 PLANT: CATAWBA UNIT 1  
 KEY: ITEM NUMBER F1.

DUKE POWER COMPANY  
 QUALITY ASSURANCE DEPARTMENT  
 PRE-SERVICE AND IN-SERVICE INSPECTION SYSTEM  
 CATAWBA 1 OUTAGE 7 INSERVICE INSPECTION LISTING

PAGE 104  
 DATE 03/10/94

ITEM NUMBER	ID. NUMBER	DRAWING NUMBERS	LOCS.	INSP. REQ.	PROC. NUMBERS	MATERIAL TYPE/GRADE	DIAM. THICK	CALIB BLOCK	COMMENTS
F1.03.358	1-R-KD-0055	CN-1506-KD-006R		VT	QAL-14		08.00		RIGID SUPPORT
F1.03.359	1-R-KD-0057	CN-1506-KD-006R		VT	QAL-14		08.00		SPRING HANGER TO BE DONE WITH D02.020.022
F1.03.360	1-R-KD-0058	CN-1506-KD-006R		VT	QAL-14		06.00		RIGID SUPPORT
F1.03.361	1-R-KD-0060	CN-1506-KD-006R		VT	QAL-14		06.00		RIGID SUPPORT
F1.03.362	1-R-KD-0061	CN-1506-KD-006R		VT	QAL-14		06.00		RIGID SUPPORT
F1.03.363	1-R-KD-0062	CN-1506-KD-006R		VT	QAL-14		06.00		SPRING HANGER
F1.03.364	1-R-KD-0063	CN-1506-KD-006R		VT	QAL-14		08.00		RIGID SUPPORT
F1.03.365	1-R-KD-0064	CN-1506-KD-006R		VT	QAL-14		08.00		RIGID SUPPORT

PROGRAM: NISIRUMB-QAISI02  
 FILE: C007153  
 PLANT: CATAWBA UNIT 1  
 KEY: ITEM NUMBER F1.

DUKE POWER COMPANY  
 QUALITY ASSURANCE DEPARTMENT  
 PRE-SERVICE AND IN-SERVICE INSPECTION SYSTEM  
 CATAWBA 1 OUTAGE 7 INSERVICE INSPECTION LISTING

PAGE 105  
 DATE 03/10/94

ITEM NUMBER	ID. NUMBER	DRAWING NUMBERS	LOCS.	INSP. REQ.	PROC. NUMBERS	MATERIAL TYPE/GRADE	DIAM./THICK	CALIB BLOCK	COMMENTS
F1.03.366	1-R-KD-0065	CN-1506-KD-006R	_____	VT	QAL-14	-----	06.00	-----	SPRING HANGER
F1.03.367	1-R-KD-0066	CN-1506-KD-006R	_____	VT	QAL-14	-----	06.00	-----	RIGID SUPPORT
F1.03.368	1-R-KD-0067	CN-1506-KD-006R	_____	VT	QAL-14	-----	06.00	-----	RIGID SUPPORT
F1.03.369	1-R-KD-0068	CN-1506-KD-006R	_____	VT	QAL-14	-----	08.00	-----	SPRING HANGER
F1.03.370	1-R-KD-0070	CN-1506-KD-006R	_____	VT	QAL-14	-----	06.00	-----	RIGID SUPPORT
F1.03.371	1-R-KD-0072	CN-1506-KD-006R	_____	VT	QAL-14	-----	06.00	-----	RIGID SUPPORT
F1.03.372	1-R-KD-0074	CN-1506-KD-006R	_____	VT	QAL-14	-----	06.00	-----	MECHANICAL SNUBBER
F1.03.373	1-R-KD-0075	CN-1506-KD-006R	_____	VT	QAL-14	-----	06.00	-----	SPRING HANGER

PROGRAM: NISIRUMB-QAISI02  
 FILE: C007133  
 PLANT: CATAWBA UNIT 1  
 KEY: ITEM NUMBER F1.

DUKE POWER COMPANY  
 QUALITY ASSURANCE DEPARTMENT  
 PRE-SERVICE AND IN-SERVICE INSPECTION SYSTEM  
 CATAWBA 1 OUTAGE 7 INSERVICE INSPECTION LISTING

PAGE 106  
 DATE 03/10/94

ITEM NUMBER	ID. NUMBER	DRAWING NUMBERS	LOCS.	INSP. REQ.	PROC. NUMBERS	MATERIAL TYPE/GRADE	DIAM. THICK	CALIB. BLOCK	COMMENTS
F1.03.374	1-R-KD-0076	CN-1506-KD-006R	_____	VT	QAL-14	-----	06.00	-----	SPRING HANGER
F1.03.375	1-R-KD-0123	CN-1506-KD-006R	_____	VT	QAL-14	-----	06.00	-----	RIGID SUPPORT
F1.03.391	1-R-KC-1061	CN-1491-KC-004R	_____	VT	QCL-14	-----	08.00	-----	RIGID SUPPORT ADDED PER IWF-2430(A) RFO#7 REF.PIP#1-C93-0875
F1.03.391A	1-R-KC-1062	CN-1491-KC-004R	_____	VT	QCL-14	-----	08.00	-----	RIGID SUPPORT ADDED PER IWF-2430(A) RFO#7 REF.PIP#1-C93-0875
F1.03.392	1-R-KC-1063	CN-1491-KC-004R	_____	VT	QCL-14	-----	08.00	-----	RIGID SUPPORT ADDED PER IWF-2430(A) RFO#7 REF.PIP#1-C93-0875
F1.03.392A	1-R-KC-1064	CN-1491-KC-004R	_____	VT	QCL-14	-----	08.00	-----	RIGID SUPPORT ADDED PER IWF-2430(A) RFO#7 REF.PIP#1-C93-0875
F1.03.393	1-R-KC-1474	CN-1491-KC-004R	_____	VT	QCL-14	-----	08.00	-----	RIGID SUPPORT ADDED PER IWF-2430(A) RFO#7 REF.PIP#1-C93-0875
F1.03.393A	1-R-KC-1475	CN-1491-KC-004R	_____	VT	QCL-14	-----	08.00	-----	RIGID SUPPORT ADDED PER IWF-2430(A) RFO#7 REF.PIP#1-C93-0875

PROGRAM: NISIRUNB-QAISI02  
 FILE: C007133  
 PLANT: CATANBA UNIT 1  
 KEY: ITEM NUMBER F1.

DUKE POWER COMPANY  
 QUALITY ASSURANCE DEPARTMENT  
 PRE-SERVICE AND IN-SERVICE INSPECTION SYSTEM  
 CATANBA 1 OUTAGE 7 INSERVICE INSPECTION LISTING

PAGE 107  
 DATE 03/10/94

ITEM NUMBER	ID. NUMBER	DRAWING NUMBERS	LOCS.	INSP. REQ. NUMBERS	PROC. NUMBERS	MATERIAL TYPE/GRADE	DIAM./THICK	CALIB BLOCK	COMMENTS
F1.03.394A	1-R-KC-1088	CN-1491-KC-006R	_____	VT	QCL-14	-----	08.00	-----	RIGID SUPPORT ADDED PER IWF-2430(A) RFC#7 REF.PIP#1-C93-0875
F1.03.395	1-R-KC-1089	CN-1491-KC-006R	_____	VT	QCL-14	-----	08.00	-----	RIGID SUPPORT ADDED PER IWF-2430(A) RFC#7 REF.PIP.#1-C93-0875
F1.03.395A	1-R-KC-1090	CN-1491-KC-006R	_____	VT	QCL-14	-----	08.00	-----	RIGID SUPPORT ADDED PER IWF-2430(A) RFC#7 REF.PIP#1-C93-0875
F1.03.396A	1-R-KC-1091	CN-1491-KC-008R	_____	VT	QCL-14	-----	06.00	-----	RIGID SUPPORT ADDED PER IWF-2430(A) RFC#7 REF.PIP#1-C93-0875
F1.03.397	1-R-KC-1092	CN-1491-KC-008R	_____	VT	QCL-14	-----	06.00	-----	RIGID SUPPORT ADDED PER IWF-2430(A) RFC#7 REF.PIP#1-C93-0875
F1.03.397A	1-R-KC-1093	CN-1491-KC-008R	_____	VT	QCL-14	-----	06.00	-----	RIGID SUPPORT ADDED PER IWF-2430(A) RFC#7 REF.PIP#1-C93-0875
F1.03.398	1-R-KC-1094	CN-1491-KC-008R	_____	VT	QCL-14	-----	06.00	-----	RIGID SUPPORT ADDED PER IWF-2430(A) RFC#7 REF.PIP#1-C93-0875
F1.03.398A	1-R-KC-1095	CN-1491-KC-008R	_____	VT	QCL-14	-----	06.00	-----	RIGID SUPPORT ADDED PER IWF-2430(A) RFC#7 REF.PIP#1-C93-0875



PROGRAM: NISIRUMS-QAISI02  
 FILE: C007133  
 PLANT: CATAWBA UNIT 1  
 KEY: ITEM NUMBER F1.

DUKE POWER COMPANY  
 QUALITY ASSURANCE DEPARTMENT  
 PRE-SERVICE AND IN-SERVICE INSPECTION SYSTEM  
 CATAWBA 1 OUTAGE 7 INSERVICE INSPECTION LISTING

PAGE 108  
 DATE 03/10/94

ITEM NUMBER	ID. NUMBER	DRAWING NUMBERS	LOCS.	INSP. REQ.	PROC. NUMBERS	MATERIAL TYPE/GRADE	DIAM./THICK	CALIB BLOCK	COMMENTS
F1.03.399	1-R-KC-1096	CN-1491-KC-008R	_____	VT	QCL-14	-----	06.00	-----	RIGID SUPPORT ADDED PER IWF-2430(A) RFO#7 REF.PIP#1-C93-0875
F1.03.399A	1-R-KC-1103	CN-1491-KC-008R	_____	VT	QCL-14	-----	06.00	-----	RIGID SUPPORT ADDED PER IWF-2430(A) RFO#7 REF.PIP#1-C93-0875
F1.03.400	1-R-KC-1105	CN-1491-KC-008R	_____	VT	QCL-14	-----	06.00	-----	RIGID SUPPORT ADDED PER IWF-2430(A) RFO#7 REF.PIP#1-C93-0875
F1.03.400A	1-R-KC-1574	CN-1491-KC-008R	_____	VT	QCL-14	-----	06.00	-----	RIGID SUPPORT ADDED PER IWF-2430(A) RFO#7 REF.PIP#1-C93-0875
F1.03.401	1-R-KC-1579	CN-1491-KC-008R	_____	VT	QCL-14	-----	06.00	-----	RIGID SUPPORT ADDED PER IWF-2430(A) RFO#7 REF.PIP#1-C93-0875
F1.03.401A	1-R-KC-1004	CN-1491-KC-010R	_____	VT	QCL-14	-----	08.00	-----	RIGID SUPPORT ADDED PER IWF-2430(A) RFO#7 REF.PIP#1-C93-0875
F1.03.402	1-R-KC-1005	CN-1491-KC-010R	_____	VT	QCL-14	-----	08.00	-----	RIGID SUPPORT ADDED PER IWF-2430(A) RFO#7 REF.PIP#1-C93-0875
F1.03.402A	1-R-KC-1006	CN-1491-KC-010R	_____	VT	QCL-14	-----	08.00	-----	RIGID SUPPORT ADDED PER IWF-2430(A) RFO#7 REF.PIP#1-C93-0875

PROGRAM: NISIRUNB-GAISI02  
 FILE: C007133  
 PLANT: CATAWBA UNIT 1  
 KEY: ITEM NUMBER F1.

DUKE POWER COMPANY  
 QUALITY ASSURANCE DEPARTMENT  
 PRE-SERVICE AND IN-SERVICE INSPECTION SYSTEM  
 CATAWBA 1 OUTAGE 7 INSERVICE INSPECTION LISTING

PAGE 109  
 DATE 03/10/94

ITEM NUMBER	ID. NUMBER	DRAWING NUMBERS	LOCS.	INSP REQ.	PROC. NUMBERS	MATERIAL TYPE/GRADE	DIAM./ THICK	CALIB BLOCK	COMMENTS
F1.03.403	1-R-KC-1007	CN-1491-KC-010R	_____	VT	QCL-14	-----	08.00	-----	RIGID SUPPORT ADDED PER IWF-2430(A) RFO#7 REF.PIP#1-C93-0875
F1.03.403A	1-R-KC-1008	CN-1491-KC-010R	_____	VT	QCL-14	-----	08.00	-----	RIGID SUPPORT ADDED PER IWF-2430(A) RFO#7 REF.PIP#1-C93-0875
F1.03.404	1-R-KC-1020	CN-1491-KC-012R	_____	VT	QCL-14	-----	08.00	-----	RIGID SUPPORT ADDED PER IWF-2430(A) RFO#7 REF.PIP#1-C93-0875
F1.03.404A	1-R-KC-1021	CN-1491-KC-012R	_____	VT	QCL-14	-----	08.00	-----	RIGID SUPPORT ADDED PER IWF-2430(A) RFO#7 REF.PIP#1-C93-0875
F1.03.405	1-R-KC-1022	CN-1491-KC-012R	_____	VT	QCL-14	-----	08.00	-----	RIGID SUPPORT ADDED PER IWF-2430(A) RFO#7 REF.PIP#1-C93-0875
F1.03.405A	1-R-KC-1036	CN-1491-KC-014R	_____	VT	QCL-14	-----	06.00	-----	RIGID SUPPORT ADDED PER IWF-2430(A) RFO#7 REF.PIP#1-C93-0875
F1.03.406	1-R-KC-1037	CN-1491-KC-014R	_____	VT	QCL-14	-----	06.00	-----	RIGID SUPPORT ADDED PER IWF-2430(A) RFO#7 REF.PIP#1-C93-0875
F1.03.406A	1-R-KC-1038	CN-1491-KC-014R	_____	VT	QCL-14	-----	06.00	-----	RIGID SUPPORT ADDED PER IWF-2430(A) RFO#7 REF.PIP#1-C93-0875

PROGRAM: NISIRUNB-QAISI02  
 FILE: C007133  
 PLANT: CATAMBA UNIT 1  
 KEY: ITEM NUMBER F1.

DUKE POWER COMPANY  
 QUALITY ASSURANCE DEPARTMENT  
 PRE-SERVICE AND IN-SERVICE INSPECTION SYSTEM  
 CATAMBA 1 OUTAGE 7 INSERVICE INSPECTION LISTING

PAGE 110  
 DATE 03/10/94

ITEM NUMBER	ID. NUMBER	DRAWING NUMBERS	LOCS.	INSP. REQ.	PROC. NUMBERS	MATERIAL TYPE/GRADE	DIAM./THICK	CALIB BLOCK	COMMENTS
F1.03.407	1-R-KC-1039	CN-1491-KC-014R	_____	VT	QCL-14	-----	06.00	-----	RIGID SUPPORT ADDED PER IWF-2430(A) RFO#7 REF.PIP#1-C93-0875
F1.03.407A	1-R-KC-1040	CN-1491-KC-014R	_____	VT	QCL-14	-----	06.00	-----	RIGID SUPPORT ADDED PER IWF-2430(A) RFO#7 REF.PIP#1-C93-0875
F1.03.408	1-R-KC-1057	CN-1491-KC-016R	_____	VT	QCL-14	-----	08.00	-----	RIGID SUPPORT ADDED PER IWF-2430(A) RFO#7 REF.PIP#1-C93-0875
F1.03.408A	1-R-KC-1060	CN-1491-KC-020R	_____	VT	QCL-14	-----	08.00	-----	RIGID SUPPORT ADDED PER IWF-2430(A) RFO#7 REF.PIP#1-C93-0875
F1.03.409	1-R-KC-1473	CN-1491-KC-020R	_____	VT	QCL-14	-----	08.00	-----	RIGID SUPPORT ADDED PER IWF-2430(A) RFO#7 REF.PIP#1-C93-0875
F1.03.409A	1-R-KC-1003	CN-1491-KC-044R	_____	VT	QCL-14	-----	08.00	-----	RIGID SUPPORT ADDED PER IWF-2430(A) RFO#7 REF.PIP#1-C93-0875
F1.03.411	1-R-KC-1561	CN-1491-KC-106R	_____	VT	QCL-14	-----	06.00	-----	RIGID SUPPORT ADDED PER IWF-2430(A) RFO#7 REF.PIP#1-C93-0875
F1.03.411A	1-R-KC-1128	CN-1491-KC-140R	_____	VT	QCL-14	-----	06.00	-----	RIGID SUPPORT ADDED PER IWF-2430(A) RFO#7 REF.PIP#1-C93-0875

PROGRAM: NISIRUNB-QAISI02  
 FILE: C007133  
 PLANT: CATAWBA UNIT 1  
 KEY: ITEM NUMBER F1.

DUKE POWER COMPANY  
 QUALITY ASSURANCE DEPARTMENT  
 PRE-SERVICE AND IN-SERVICE INSPECTION SYSTEM  
 CATAWBA 1 OUTAGE 7 INSERVICE INSPECTION LISTING

PAGE 111  
 DATE 03/10/94

ITEM NUMBER	LO. NUMBER	DRAWING NUMBERS	LOCS.	INSP. REQ.	PROC. NUMBERS	MATERIAL TYPE/GRADE	DIAM./THICK	CALIB BLOCK	COMMENTS
F1.03.412	1-R-KC-1033	CN-1491-KC-150R		VT	QCL-14	-----	06.00	-----	RIGID SUPPORT ADDED PER IWF-2430(A) RFO#7 REF.PIP#1-C93-0875
F1.03.412A	1-R-KC-1034	CN-1491-KC-150R		VT	QCL-14	-----	06.00	-----	RIGID SUPPORT ADDED PER IWF-2430(A) RFO#7 REF.PIP#1-C93-0375
F1.03.413	1-R-KC-1035	CN-1491-KC-150R		VT	QCL-14	-----	06.00	-----	RIGID SUPPORT ADDED PER IWF-2430(A) RFO#7 REF.PIP#1-C93-0875
F1.03.413A	1-R-KC-1453	CN-1491-KC-150R		VT	QCL-14	-----	06.00	-----	RIGID SUPPORT ADDED PER IWF-2430(A) RFO#7 REF.PIP#1-C93-0875
F1.03.414A	1-R-KC-1042	CN-1491-KC-170R		VT	QCL-14	-----	06.00	-----	RIGID SUPPORT ADDED PER IWF-2430(A) RFO#7 REF.PIP#1-C93-0875
F1.03.415	1-R-KC-1451	CN-1491-KC-170R		VT	QCL-14	-----	06.00	-----	RIGID SUPPORT ADDED PER IWF-2430(A) RFO#7 REF.PIP#1-C93-0875
F1.03.415A	1-R-KC-1452	CN-1491-KC-170R		VT	QCL-14	-----	06.00	-----	RIGID SUPPORT ADDED PER IWF-2430(A) RFO#7 REF.PIP#1-C93-0875
F1.03.416	1-R-KC-1106	CN-1491-KC-188R		VT	QCL-14	-----	06.00	-----	RIGID SUPPORT ADDED PER IWF-2430(A) RFO#7 REF.PIP#1-C93-0875

PROGRAM: NISIRUNB-QAISI02  
 FILE: C007133  
 PLANT: CATANBA UNIT 1  
 KEY: ITEM NUMBER F1.

DUKE POWER COMPANY  
 QUALITY ASSURANCE DEPARTMENT  
 PRE-SERVICE AND IN-SERVICE INSPECTION SYSTEM  
 CATANBA 1 OUTAGE 7 INSERVICE INSPECTION LISTING

PAGE 112  
 DATE 03/10/94

ITEM NUMBER	ID. NUMBER	DRAWING NUMBERS	LOCS.	INSP REQ.	PROC. NUMBERS	MATERIAL TYPE/GRADE	DIAM./ THICK	CALIB BLOCK	COMMENTS
F1.03.416A	1-R-KC-1107	CN-1491-KC-188R	_____	VT	QCL-14	-----	06.00	-----	RIGID SUPPORT ADDED PER IWF-2430(A) RFO#7 REF.PIP#1-C93-0875
F1.03.417	1-R-KC-1108	CN-1491-KC-188R	_____	VT	QCL-14	-----	06.00	-----	RIGID SUPPORT ADDED PER IWF-2430(A) RFO#7 REF.PIP#1-C93-0875
F1.03.417A	1-R-KC-1065	CN-1491-KC-216R	_____	VT	QCL-14	-----	08.00	-----	RIGID SUPPORT ADDED PER IWF-2430(A) RFO#7 REF.PIP#1-C93-0875
F1.03.418	1-R-KC-1017	CN-1491-KC-218R	_____	VT	QCL-14	-----	08.00	-----	RIGID SUPPORT ADDED PER IWF-2430(A) RFO#7 REF.PIP#1-C93-0875
F1.03.418A	1-R-KC-1018	CN-1491-KC-218R	_____	VT	QCL-14	-----	08.00	-----	RIGID SUPPORT ADDED PER IWF-2430(A) RFO#7 REF.PIP#1-C93-0875
F1.03.419	1-R-KC-1019	CN-1491-KC-218R	_____	VT	QCL-14	-----	08.00	-----	RIGID SUPPORT ADDED PER IWF-2430(A) RFO#7 REF.PIP#1-C93-0875
F1.03.420	1-R-KC-0438	CN-1492-KC-001R	_____	VT	QCL-14	-----	16.00	-----	RIGID SUPPORT ADDED PER IWF-2430(A) RFO#7 REF.PIP#1-C93-0875
F1.03.420A	1-R-KC-0440	CN-1492-KC-001R	_____	VT	QCL-14	-----	16.00	-----	RIGID SUPPORT ADDED PER IWF-2430(A) RFO#7 REF.PIP#1-C93-0875

PROGRAM: NISIRUMB-QAISI02  
 FILE: C007133  
 PLANT: CATAWBA UNIT 1  
 KEY: ITEM NUMBER F1.

DUKE POWER COMPANY  
 QUALITY ASSURANCE DEPARTMENT  
 PRE-SERVICE AND IN-SERVICE INSPECTION SYSTEM  
 CATAWBA 1 OUTAGE 7 INSERVICE INSPECTION LISTING

PAGE 113  
 DATE 03/10/94

ITEM NUMBER	ID. NUMBER	DRAWING NUMBERS	LOCS.	INSP. REQ.	PROC. NUMBERS	MATERIAL TYPE/GRADE	DIAM. THICK	CALIB BLOCK	COMMENTS
F1.03.421	1-R-KC-0441	CN-1492-KC-001R	_____	VT	QCL-14	-----	16.00	-----	RIGID SUPPORT ADDED PER IWF-2430(A) RFO#7 REF.PIP#1-C93-0875
F1.03.422	1-R-KC-0443	CN-1492-KC-001R	_____	VT	QCL-14	-----	16.00	-----	RIGID SUPPORT ADDED PER IWF-2430(A) RFO#7 REF.PIP#1-C93-0875
F1.03.423	1-R-KC-0445	CN-1492-KC-001R	_____	VT	QCL-14	-----	16.00	-----	RIGID SUPPORT ADDED PER IWF-2430(A) RFO#7 REF.PIP#1-C93-0875
F1.03.423A	1-R-KC-0446	CN-1492-KC-001R	_____	VT	QCL-14	-----	16.00	-----	RIGID SUPPORT ADDED PER IWF-2430(A) RFO#7 REF.PIP#1-C93-0875
F1.03.424A	1-R-KC-0550	CN-1492-KC-001R	_____	VT	QCL-14	-----	10.00	-----	RIGID SUPPORT ADDED PER IWF-2430(A) RFO#7 REF.PIP#1-C93-0875
F1.03.425	1-R-KC-0669	CN-1492-KC-001R	_____	VT	QCL-14	-----	16.00	-----	RIGID SUPPORT ADDED PER IWF-2430(A) RFO#7 REF.PIP#1-C93-0875
F1.03.425A	1-R-KC-0218	CN-1492-KC-002R	_____	VT	QCL-14	-----	16.00	-----	RIGID SUPPORT ADDED PER IWF-2430(A) RFO#7 REF.PIP#1-C93-0875
F1.03.426A	1-R-KC-0633	CN-1492-KC-002R	_____	VT	QCL-14	-----	16.00	-----	RIGID SUPPORT ADDED PER IWF-2430(A) RFO#7 REF.PIP#1-C93-0875

PROGRAM: NISIRUNB-QAISI02  
 FILE: C007133  
 PLANT: CATAWBA UNIT 1  
 KEY: ITEM NUMBER F1.

DUKE POWER COMPANY  
 QUALITY ASSURANCE DEPARTMENT  
 PRE-SERVICE AND IN-SERVICE INSPECTION SYSTEM  
 CATAWBA 1 OUTAGE 7 INSERVICE INSPECTION LISTING

PAGE 114  
 DATE 03/10/94

ITEM NUMBER	ID. NUMBER	DRAWING NUMBERS	LOCS.	INSP. REQ.	PROC. NUMBERS	MATERIAL TYPE/GRADE	DIAM. THICK	CALIB BLOCK	COMMENTS
F1.03.427	1-R-KC-0207	CN-1492-KC-003R	_____	VT	QCL-14	-----	16.00	-----	RIGID SUPPORT ADDED PER IHF-2430(A) RFO#7 REF.PIP#1-C93-0875
F1.03.427A	1-R-KC-0208	CN-1492-KC-003R	_____	VT	QCL-14	-----	16.00	-----	RIGID SUPPORT ADDED PER IHF-2430(A) RFO#7 REF.PIP#1-C93-0875
F1.03.428	1-R-KC-0209	CN-1492-KC-003R	_____	VT	QCL-14	-----	16.00	-----	RIGID SUPPORT ADDED PER IHF-2430(A) RFO#7 REF.PIP#1-C93-0875
F1.03.428A	1-R-KC-0210	CN-1492-KC-003R	_____	VT	QCL-14	-----	16.00	-----	RIGID SUPPORT ADDED PER IHF-2430(A) RFO#7 REF.PIP#1-C93-0875
F1.03.429	1-R-KC-0211	CN-1492-KC-003R	_____	VT	QCL-14	-----	16.00	-----	RIGID SUPPORT ADDED PER IHF-2430(A) RFO#7 REF.PIP#1-C93-0875
F1.03.429A	1-R-KC-0212	CN-1492-KC-003R	_____	VT	QCL-14	-----	16.00	-----	RIGID SUPPORT ADDED PER IHF-2430(A) RFO#7 REF.PIP#1-C93-0875
F1.03.430	1-R-KC-0213	CN-1492-KC-003R	_____	VT	QCL-14	-----	16.00	-----	RIGID SUPPORT ADDED PER IHF-2430(A) RFO#7 REF.PIP#1-C93-0875
F1.03.431	1-R-KC-0215	CN-1492-KC-003R	_____	VT	QCL-14	-----	16.00	-----	RIGID SUPPORT ADDED PER IHF-2430(A) RFO#7 REF.PIP#1-C93-0875

PROGRAM: NISIRUNB-QAISI02  
 FILE: CO07133  
 PLANT: CATAWBA UNIT 1  
 KEY: ITEM NUMBER F1.

DUKE POWER COMPANY  
 QUALITY ASSURANCE DEPARTMENT  
 PRE-SERVICE AND IN-SERVICE INSPECTION SYSTEM  
 CATAWBA 1 OUTAGE 7 INSERVICE INSPECTION LISTING

PAGE 115  
 DATE 03/10/94

ITEM NUMBER	ID. NUMBER	DRAWING NUMBERS	LOCS.	INSP. REQ.	PROC. NUMBERS	MATERIAL TYPE/GRADE	THICK	CALIB BLOCK	COMMENTS
F1.03.431A	1-R-KC-0217	CN-1492-KC-003R	_____	VT	QCL-14	-----	16.00	-----	RIGID SUPPORT ADDED PER IHF-2430(A) RFO#7 REF.PIP#1-C93-0875
F1.03.432	1-R-KC-0475	CN-1492-KC-003R	_____	VT	QCL-14	-----	16.00	-----	RIGID SUPPORT ADDED PER IHF-2430(A) RFO#7 REF.PIP#1-C93-0875
F1.03.432A	1-R-KC-0476	CN-1492-KC-003R	_____	VT	QCL-14	-----	16.00	-----	RIGID SUPPORT ADDED PER IHF-2430(A) RFO#7 REF.PIP#1-C93-0875
F1.03.434	1-R-KC-0450	CN-1492-KC-004R	_____	VT	QCL-14	-----	20.00	-----	RIGID SUPPORT ADDED PER IHF-2430(A) RFO#7 REF.PIP#1-C93-0875
F1.03.435	1-R-KC-0670	CN-1492-KC-004R	_____	VT	QCL-14	-----	20.00	-----	RIGID SUPPORT ADDED PER IHF-2430(A) RFO#7 REF.PIP#1-C93-0875
F1.03.588	1-R-KC-0507	CN-1492-KC-100R	_____	VT	QAL-14	_____	06.00	_____	RIGID SUPPORT
F1.03.588A	1-R-KC-0508	CN-1492-KC-100R	_____	VT	QAL-14	_____	06.00	_____	RIGID SUPPORT
F1.03.589	1-R-KC-0510	CN-1492-KC-100R	_____	VT	QAL-14	_____	06.00	_____	RIGID SUPPORT



PROGRAM: NISIRUNB-QAISI02  
 FILE: C007133  
 PLANT: CATAMBA UNIT 1  
 KEY: ITEM NUMBER F1.

DUKE POWER COMPANY  
 QUALITY ASSURANCE DEPARTMENT  
 PRE-SERVICE AND IN-SERVICE INSPECTION SYSTEM  
 CATAMBA 1 OUTAGE 7 INSERVICE INSPECTION LISTING

PAGE 116  
 DATE 03/10/94

ITEM NUMBER	ID. NUMBER	DRAWING NUMBERS	LOCS.	INSP. REQ.	PROC. NUMBERS	MATERIAL TYPE/GRADE	DIAM./THICK	CALIB BLOCK	COMMENTS
F1.03.589A	1-R-KC-0512	CN-1492-KC-100R		VT	QAL-14		06.00		SPRING HANGER
F1.03.590	1-R-KC-0513	CN-1492-KC-100R		VT	QAL-14		06.00		RIGID SUPPORT
F1.03.590A	1-R-KC-0516	CN-1492-KC-100R		VT	QAL-14		06.00		RIGID SUPPORT
F1.03.591	1-R-KC-0715	CN-1492-KC-100R		VT	QAL-14		06.00		RIGID SUPPORT
F1.03.591A	1-R-KC-0025	CN-1492-KC-111R		VT	QAL-14		14.00		RIGID SUPPORT
F1.03.592	1-R-KC-0026	CN-1492-KC-111R		VT	QAL-14		14.00		RIGID SUPPORT
F1.03.592A	1-R-KC-0027	CN-1492-KC-111R		VT	QAL-14		14.00		RIGID SUPPORT
F1.03.593	1-R-KC-0028	CN-1492-KC-111R		VT	QAL-14		14.00		RIGID SUPPORT

PROGRAM: NISIRUND-QAISI02  
 FILE: C007133  
 PLANT: CATAMBA UNIT 1  
 KEY: ITEM NUMBER F1.

DUKE POWER COMPANY  
 QUALITY ASSURANCE DEPARTMENT  
 PRE-SERVICE AND IN-SERVICE INSPECTION SYSTEM  
 CATAMBA 1 OUTAGE 7 INSERVICE INSPECTION LISTING

PAGE 117  
 DATE 03/10/94

ITEM NUMBER	ID. NUMBER	DRAWING NUMBERS	LOCS.	INSP REQ.	PROC. NUMBERS	MATERIAL TYPE/GRADE	DIAM./ THICK	CALIB BLOCK	COMMENTS
F1	1-R-KC-0031	CN-1492-KC-111R		VT	QAL-14		12.00		RIGID SUPPORT
F1.03.594A	1-R-KC-0074	CN-1492-KC-111R		VT	QAL-14		14.00		RIGID SUPPORT
F1.03.595	1-R-KC-0075	CN-1492-KC-111R		VT	QAL-14		14.00		SPRING HANGER
F1.03.595A	1-R-KC-0076	CN-1492-KC-111R		VT	QAL-14		12.00		SPRING HANGER
F1.03.596	1-R-KC-0347	CN-1492-KC-115R		VT	QAL-14		14.00		RIGID SUPPORT
F1.03.596A	1-R-KC-0348	CN-1492-KC-115R		VT	QAL-14		14.00		RIGID SUPPORT
F1.03.597	1-R-KC-0349	CN-1492-KC-115R		VT	QAL-14		14.00		SPRING HANGER
F1.03.597A	1-R-KC-0350	CN-1492-KC-115R		VT	QAL-14		14.00		RIGID SUPPORT

PROGRAM: NISIRUNB-QAISI02  
 FILE: C007133  
 PLANT: CATAWBA UNIT 1  
 KEY: ITEM NUMBER F1.

DUKE POWER COMPANY  
 QUALITY ASSURANCE DEPARTMENT  
 PRE-SERVICE AND IN-SERVICE INSPECTION SYSTEM  
 CATAWBA 1 OUTAGE 7 INSERVICE INSPECTION LISTING

PAGE 118  
 DATE 03/10/94

ITEM NUMBER	ID. NUMBER	DRAWING NUMBERS	LOCS.	INSP. REQ.	PROC. NUMBERS	MATERIAL TYPE/GRADE	DIAM./THICK	CALIB BLOCK	COMMENTS
F1.03.598	1-R-KC-0352	CN-1492-KC-115R		VT	QAL-14		14.00		RIGID SUPPORT
F1.03.598A	1-R-KC-0472	CN-1492-KC-115R		VT	QAL-14		14.00		RIGID SUPPORT
F1.03.599	1-R-KC-0473	CN-1492-KC-115R		VT	QAL-14		14.00		RIGID SUPPORT
F1.03.599A	1-R-KC-0370	CN-1492-KC-117R		VT	QAL-14		14.00		RIGID SUPPORT
F1.03.600	1-R-KC-0371	CN-1492-KC-117R		VT	QAL-14		12.00		RIGID SUPPORT
F1.03.600A	1-R-KC-0372	CN-1492-KC-117R		VT	QAL-14		12.00		RIGID SUPPORT
F1.03.601	1-R-KC-0373	CN-1492-KC-117R		VT	QAL-14		12.00		RIGID SUPPORT
F1.03.601A	1-R-KC-0374	CN-1492-KC-117R		VT	QAL-14		12.00		RIGID SUPPORT

PROGRAM: NISIRUNB-QAISI02  
 FILE: C007133  
 PLANT: CATAMBA UNIT 1  
 KEY: ITEM NUMBER F1.

DUKE POWER COMPANY  
 QUALITY ASSURANCE DEPARTMENT  
 PRE-SERVICE AND IN-SERVICE INSPECTION SYSTEM  
 CATAMBA 1 OUTAGE 7 INSERVICE INSPECTION LISTING

PAGE 119  
 DATE 03/10/94

ITEM NUMBER	ID. NUMBER	DRAWING NUMBERS	LOCS.	INSP. REQ.	PROC. NUMBERS	MATERIAL TYPE/GRADE	DIAM./THICK	CALIB BLOCK	COMMENTS
F1.03.602	1-R-KC-0375	CN-1492-KC-117R		VT	QAL-14		12.00		SPRING HANGER
F1.03.602A	1-R-KC-0340	CN-1492-KC-119R		VT	QAL-14		12.00		SPRING HANGER
F1.03.603	1-R-KC-0341	CN-1492-KC-119R		VT	QAL-14		12.00		RIGID SUPPORT
F1.03.603A	1-R-KC-0342	CN-1492-KC-119R		VT	QAL-14		12.00		RIGID SUPPORT
F1.03.604	1-R-KC-0343	CN-1492-KC-119R		VT	QAL-14		12.00		RIGID SUPPORT
F1.03.604A	1-R-KC-0344	CN-1492-KC-119R		VT	QAL-14		12.00		RIGID SUPPORT
F1.03.605	1-R-KC-0345	CN-1492-KC-119R		VT	QAL-14		12.00		RIGID SUPPORT
F1.03.605A	1-R-KC-0346	CN-1492-KC-119R		VT	QAL-14		14.00		RIGID SUPPORT

PROGRAM: NISIRUMB-QAISI02  
 FILE: C007133  
 PLANT: CATAWBA UNIT 1  
 KEY: ITEM NUMBER F1.

DUKE POWER COMPANY  
 QUALITY ASSURANCE DEPARTMENT  
 PRE-SERVICE AND IN-SERVICE INSPECTION SYSTEM  
 CATAWBA 1 OUTAGE 7 INSERVICE INSPECTION LISTING

PAGE 120  
 DATE 03/10/94

ITEM NUMBER	ID. NUMBER	DRAWING NUMBERS	LOCS.	INSP. REQ.	PROC. NUMBERS	MATERIAL TYPE/GRADE	DIAM./THICK	CALIB BLOCK	COMMENTS
F1.03.606A	1-R-KC-0556	CN-1492-KC-124R		VT	QAL-14		06.00		RIGID SUPPORT
F1.03.607	1-R-KC-0138	CN-1492-KC-135R		VT	QAL-14		06.00		RIGID SUPPORT
F1.03.607A	1-R-KC-0139	CN-1492-KC-135R		VT	QAL-14		06.00		MECHANICAL SNUBBER
F1.03.608	1-R-KC-0140	CN-1492-KC-135R		VT	QAL-14		06.00		RIGID SUPPORT
F1.03.608A	1-R-KC-0145	CN-1492-KC-135R		VT	QAL-14		06.00		RIGID SUPPORT
F1.03.609	1-R-KC-0093	CN-1492-KC-139R		VT	QAL-14		06.00		MECHANICAL SNUBBER
F1.03.609A	1-R-KC-0094	CN-1492-KC-139R		VT	QAL-14		06.00		RIGID SUPPORT
F1.03.610	1-R-KC-0096	CN-1492-KC-139R		VT	QAL-14		06.00		RIGID SUPPORT

PROGRAM: NISIRUMB-QAISI02  
 FILE: C007133  
 PLANT: CATAMBA UNIT 1  
 KEY: ITEM NUMBER F1.

DUKE POWER COMPANY  
 QUALITY ASSURANCE DEPARTMENT  
 PRE-SERVICE AND IN-SERVICE INSPECTION SYSTEM  
 CATAMBA 1 OUTAGE 7 INSERVICE INSPECTION LISTING

PAGE 121  
 DATE 03/10/94

ITEM NUMBER	ID. NUMBER	DRAWING NUMBERS	LOCS.	INSP. REQ.	PROC. NUMBERS	MATERIAL TYPE/GRADE	DIAM. THICK	CALIB BLOCK	COMMENTS
F1.03.610A	1-R-KC-0097	CN-1492-KC-139R		VT	QAL-14		06.00		RIGID SUPPORT
F1.03.611	1-R-KC-0098	CN-1492-KC-139R		VT	QAL-14		06.00		RIGID SUPPORT
F1.03.611A	1-R-KC-0382	CN-1492-KC-139R		VT	QAL-14		06.00		RIGID SUPPORT
F1.03.612	1-R-KC-0092	CN-1492-KC-141R		VT	QAL-14		06.00		RIGID SUPPORT
F1.03.612A	1-R-KC-0837	CN-1492-KC-270R		VT	QAL-14		06.00		RIGID SUPPORT
F1.03.613	1-R-KC-0838	CN-1492-KC-270R		VT	QAL-14		06.00		RIGID SUPPORT
F1.03.613A	1-R-KC-0839	CN-1492-KC-270R		VT	QAL-14		06.00		RIGID SUPPORT
F1.03.614	1-R-KC-0840	CN-1492-KC-270R		VT	QAL-14		06.00		RIGID SUPPORT

PROGRAM: NISIRUNB-QAISI02  
 FILE: C007133  
 PLANT: CATAWBA UNIT 1  
 KEY: ITEM NUMBER F1.

DUKE POWER COMPANY  
 QUALITY ASSURANCE DEPARTMENT  
 PRE-SERVICE AND IN-SERVICE INSPECTION SYSTEM  
 CATAWBA 1 OUTAGE 7 INSERVICE INSPECTION LISTING

PAGE 122  
 DATE 03/10/94

ITEM NUMBER	ID. NUMBER	DRAWING NUMBERS	LOCS.	INSP. REQ.	PROC. NUMBERS	MATERIAL TYPE/GRADE	DIAH./THICK	CALIB BLOCK	COMMENTS
F1.03.614A	1-R-KC-0841	CN-1492-KC-270R		VT	QAL-14		06.00		RIGID SUPPORT
F1.03.615	1-R-KC-0842	CN-1492-KC-270R		VT	QAL-14		06.00		RIGID SUPPORT
F1.03.615A	1-R-KC-0883	CN-1492-KC-281R		VT	QAL-14		06.00		RIGID SUPPORT
F1.03.616	1-R-KC-0884	CN-1492-KC-281R		VT	QAL-14		06.00		RIGID SUPPORT
F1.03.616A	1-R-KC-0812	CN-1492-KC-330R		VT	QAL-14		06.00		RIGID SUPPORT
F1.03.617	1-R-KC-0813	CN-1492-KC-330R		VT	QAL-14		06.00		RIGID SUPPORT
F1.03.617A	1-R-KC-0814	CN-1492-KC-330R		VT	QAL-14		06.00		MECHANICAL SNUBBER
F1.03.618	1-R-KC-0815	CN-1492-KC-330R		VT	QAL-14		06.00		RIGID SUPPORT

PROGRAM: NISIRUNB-QAISI02  
 FILE: C007133  
 PLANT: CATAMBA UNIT 1  
 KEY: ITEM NUMBER F1.

DUKE POWER COMPANY  
 QUALITY ASSURANCE DEPARTMENT  
 PRE-SERVICE AND IN-SERVICE INSPECTION SYSTEM  
 CATAMBA 1 OUTAGE 7 INSERVICE INSPECTION LISTING

PAGE 123  
 DATE 03/10/94

ITEM NUMBER	ID. NUMBER	DRAWING NUMBERS	LOCS.	INSP REQ.	PROC. NUMBERS	MATERIAL TYPE/GRADE	DIAM./ THICK	CALIB BLOCK	COMMENTS
F1.03.618A	1-R-KC-0816	CN-1492-KC-330R	_____	VT	QAL-14	_____	06.00	_____	RIGID SUPPORT
F1.03.619	1-R-KC-0817	CN-1492-KC-330R	_____	VT	QAL-14	_____	06.00	_____	RIGID SUPPORT
F1.03.619A	1-R-KC-0818	CN-1492-KC-330R	_____	VT	QAL-14	_____	06.00	_____	RIGID SUPPORT
F1.03.620	1-R-KC-0819	CN-1492-KC-330R	_____	VT	QAL-14	_____	06.00	_____	RIGID SUPPORT
F1.03.620A	1-R-KC-0820	CN-1492-KC-330R	_____	VT	QAL-14	_____	06.00	_____	RIGID SUPPORT
F1.03.621	1-R-KC-0821	CN-1492-KC-331R	_____	VT	QAL-14	_____	06.00	_____	RIGID SUPPORT
F1.03.621A	1-R-KC-0879	CN-1492-KC-335R	_____	VT	QAL-14	_____	06.00	_____	RIGID SUPPORT
F1.03.622	1-R-KC-0880	CN-1492-KC-335R	_____	VT	QAL-14	_____	12.00	_____	RIGID SUPPORT



PROGRAM: NISIRUMB-QAISI02  
 FILE: C007133  
 PLANT: CATAWBA UNIT 1  
 KEY: ITEM NUMBER F1.

DUKE POWER COMPANY  
 QUALITY ASSURANCE DEPARTMENT  
 PRE-SERVICE AND IN-SERVICE INSPECTION SYSTEM  
 CATAWBA 1 OUTAGE 7 INSERVICE INSPECTION LISTING

PAGE 124  
 DATE 03/10/94

ITEM NUMBER	ID. NUMBER	DRAWING NUMBERS	LOCS.	INSP. REQ.	PROC. NUMBERS	MATERIAL TYPE/GRADE	DIAM./ THICK	CALIB BLOCK	COMMENTS
F1.03.622A	1-R-KC-0876	CN-1492-KC-348R	_____	VT	QAL-14	_____	12.00	_____	RIGID SUPPORT REF. INF-2430(A) REF. PIP#1-C93-0875
F1.03.623	1-R-KC-0872	CN-1492-KC-349R	_____	VT	QAL-14	_____	06.00	_____	RIGID SUPPORT
F1.03.623A	1-R-KC-0873	CN-1492-KC-349R	_____	VT	QAL-14	_____	06.00	_____	RIGID SUPPORT
F1.03.624	1-R-KC-0874	CN-1492-KC-349R	_____	VT	QAL-14	_____	06.00	_____	RIGID SUPPORT REF. INF-2430(A) REF. PIP#1-C93-0875
F1.03.624A	1-R-KC-0875	CN-1492-KC-349R	_____	VT	QAL-14	_____	06.00	_____	RIGID SUPPORT REF. INF-2430(A) REF. PIP#1-C93-0875
F1.03.625	1-R-KC-0868	CN-1492-KC-350R	_____	VT	QAL-14	_____	06.00	_____	RIGID SUPPORT
F1.03.625A	1-R-KC-0869	CN-1492-KC-350R	_____	VT	QAL-14	_____	06.00	_____	RIGID SUPPORT
F1.03.626	1-R-KC-0870	CN-1492-KC-350R	_____	VT	QAL-14	_____	06.00	_____	RIGID SUPPORT

PROGRAM: NISIRUNB-QAISI02  
 FILE: C007133  
 PLANT: CATAHBA UNIT 1  
 KEY: ITEM NUMBER F1.

DUKE POWER COMPANY  
 QUALITY ASSURANCE DEPARTMENT  
 PRE-SERVICE AND IN-SERVICE INSPECTION SYSTEM  
 CATAHBA 1 OUTAGE 7 INSERVICE INSPECTION LISTING

PAGE 125  
 DATE 03/10/94

ITEM NUMBER	ID. NUMBER	DRAWING NUMBERS	LOCS.	INSP. REQ. NUMBERS	PROC. NUMBERS	MATERIAL TYPE/GRADE	DIAM./THICK	CALIB BLOCK	COMMENTS
F1.03.626A	1-R-KC-0871	CN-1492-KC-350R	_____	VT	QAL-14	_____	06.00	_____	RIGID SUPPORT
F1.03.627	1-R-KC-0865	CN-1492-KC-351R	_____	VT	QAL-14	_____	06.00	_____	RIGID SUPPORT
F1.03.627A	1-R-KC-0866	CN-1492-KC-351R	_____	VT	QAL-14	_____	06.00	_____	RIGID SUPPORT
F1.03.628	1-R-KC-0867	CN-1492-KC-351R	_____	VT	QAL-14	_____	06.00	_____	RIGID SUPPORT
F1.03.628A	1-R-KC-0861	CN-1492-KC-352R	_____	VT	QAL-14	_____	06.00	_____	RIGID SUPPORT
F1.03.629	1-R-KC-0862	CN-1492-KC-352R	_____	VT	QAL-14	_____	06.00	_____	RIGID SUPPORT
F1.03.629A	1-R-KC-0863	CN-1492-KC-352R	_____	VT	QAL-14	_____	06.00	_____	RIGID SUPPORT
F1.03.630	1-R-KC-0864	CN-1492-KC-352R	_____	VT	QAL-14	_____	06.00	_____	RIGID SUPPORT

PROGRAM: NISIRUNB-QAISI02  
 FILE: C007133  
 PLANT: CATAMBA UNIT 1  
 KEY: ITEM NUMBER F1.

DUKE POWER COMPANY  
 QUALITY ASSURANCE DEPARTMENT  
 PRE-SERVICE AND IN-SERVICE INSPECTION SYSTEM  
 CATAMBA 1 OUTAGE 7 INSERVICE INSPECTION LISTING

PAGE 126  
 DATE 03/10/94

ITEM NUMBER	ID. NUMBER	DRAWING NUMBERS	LOCS.	INSP. REQ.	PROC. NUMBERS	MATERIAL TYPE/GRADE	DIAM./THICK	CALIB BLOCK	COMMENTS
F1.03.630A	1-R-KC-0857	CN-1492-KC-353R	_____	VT	QAL-14	_____	06.00	_____	RIGID SUPPORT
F1.03.631	1-R-KC-0858	CN-1492-KC-353R	_____	VT	QAL-14	_____	06.00	_____	RIGID SUPPORT
F1.03.631A	1-R-KC-0859	CN-1492-KC-353R	_____	VT	QAL-14	_____	06.00	_____	RIGID SUPPORT
F1.03.632	1-R-KC-0860	CN-1492-KC-353R	_____	VT	QAL-14	_____	06.00	_____	RIGID SUPPORT
F1.03.632A	1-R-KC-0898	CN-1492-KC-361R	_____	VT	QAL-14	_____	08.00	_____	RIGID SUPPORT
F1.03.835	1-R-RN-0257	CN-1492-RN-252R	_____	VT	QAL-14	_____	08.00	_____	RIGID SUPPORT
F1.03.835A	1-R-RN-0258	CN-1492-RN-252R	_____	VT	QAL-14	_____	24.00	_____	RIGID SUPPORT
F1.03.836	1-R-RN-0473	CN-1492-RN-252R	_____	VT	QAL-14	_____	08.00	_____	RIGID SUPPORT

PROGRAM: NISIRUNB-QAISI02  
 FILE: C007133  
 PLANT: CATAWBA UNIT 1  
 KEY: ITEM NUMBER F1.

DUKE POWER COMPANY  
 QUALITY ASSURANCE DEPARTMENT  
 PRE-SERVICE AND IN-SERVICE INSPECTION SYSTEM  
 CATAWBA 1 OUTAGE 7 INSERVICE INSPECTION LISTING

PAGE 127  
 DATE 03/10/94

ITEM NUMBER	ID. NUMBER	DRAWING NUMBERS	LOCS.	INSP. REQ. NUMBERS	PROC. NUMBERS	MATERIAL TYPE/GRADE	DIAM./THICK	CALIB BLOCK	COMMENTS
F1.03.836A	1-R-RN-0474	CN-1492-RN-252R		VT	QAL-14		08.00		RIGID SUPPORT
F1.03.837	1-R-RN-0475	CN-1492-RN-252R		VT	QAL-14		08.00		RIGID SUPPORT
F1.03.837A	1-R-RN-0476	CN-1492-RN-252R		VT	QAL-14		08.00		RIGID SUPPORT
F1.03.838	1-R-RN-0477	CN-1492-RN-252R		VT	QAL-14		08.00		RIGID SUPPORT
F1.03.838A	1-R-RN-0478	CN-1492-RN-252R		VT	QAL-14		08.00		RIGID SUPPORT
F1.03.839	1-R-RN-0479	CN-1492-RN-252R		VT	QAL-14		08.00		RIGID SUPPORT
F1.03.839A	1-R-RN-0480	CN-1492-RN-252R		VT	QAL-14		08.00		RIGID SUPPORT
F1.03.840	1-R-RN-0481	CN-1492-RN-252R		VT	QAL-14		08.00		RIGID SUPPORT

PROGRAM: NISIRUNB-QAISI02  
 FILE: C007133  
 PLANT: CATAHBA UNIT 1  
 KEY: ITEM NUMBER F1.

DUKE POWER COMPANY  
 QUALITY ASSURANCE DEPARTMENT  
 PRE-SERVICE AND IN-SERVICE INSPECTION SYSTEM  
 CATAHBA 1 OUTAGE 7 INSERVICE INSPECTION LISTING

PAGE 128  
 DATE 03/10/94

ITEM NUMBER	ID. NUMBER	DRAWING NUMBERS	LOCS.	INSP. REQ.	PROC. NUMBERS	MATERIAL TYPE/GRADE	DIAM./THICK	CALIB BLOCK	COMMENTS
F1.03.840A	1-R-RN-0482	CN-1492-RN-252R	_____	VT	QAL-14	_____	08.00	_____	RIGID SUPPORT
F1.03.841	1-R-RN-0483	CN-1492-RN-253R	_____	VT	QAL-14	_____	08.00	_____	RIGID SUPPORT
F1.03.841A	1-R-RN-0484	CN-1492-RN-253R	_____	VT	QAL-14	_____	08.00	_____	RIGID SUPPORT
F1.03.842	1-R-RN-0485	CN-1492-RN-253R	_____	VT	QAL-14	_____	08.00	_____	RIGID SUPPORT
F1.03.842A	1-R-RN-0486	CN-1492-RN-253R	_____	VT	QAL-14	_____	08.00	_____	RIGID SUPPORT
F1.03.843	1-R-RN-0487	CN-1492-RN-253R	_____	VT	QAL-14	_____	08.00	_____	RIGID SUPPORT
F1.03.843A	1-R-RN-0510	CN-1492-RN-254R	_____	VT	QAL-14	_____	08.00	_____	RIGID SUPPORT
F1.03.844	1-R-RN-0511	CN-1492-RN-255R	_____	VT	QAL-14	_____	08.00	_____	RIGID SUPPORT

PROGRAM: NISIRUNB-QAISI02  
 FILE: C007133  
 PLANT: CATAWBA UNIT 1  
 KEY: ITEM NUMBER F1.

DUKE POWER COMPANY  
 QUALITY ASSURANCE DEPARTMENT  
 PRE-SERVICE AND IN-SERVICE INSPECTION SYSTEM  
 CATAWBA 1 OUTAGE 7 INSERVICE INSPECTION LISTING

PAGE 129  
 DATE 03/10/94

ITEM NUMBER	ID. NUMBER	DRAWING NUMBERS	LOCS.	INSP. REQ.	PROC. NUMBERS	MATERIAL TYPE/GRADE	DIAM./THICK	CALIB BLOCK	COMMENTS
F1.03.844A	1-R-RN-0512	CN-1492-RN-256R		VT	QAL-14		08.00		RIGID SUPPORT
F1.03.845	1-R-RN-0513	CN-1492-RN-256R		VT	QAL-14		08.00		RIGID SUPPORT
F1.03.845A	1-R-RN-0514	CN-1492-RN-256R		VT	QAL-14		08.00		RIGID SUPPORT
F1.03.846	1-R-RN-0515	CN-1492-RN-256R		VT	QAL-14		08.00		RIGID SUPPORT
F1.03.846A	1-R-RN-0517	CN-1492-RN-256R		VT	QAL-14		08.00		RIGID SUPPORT
F1.03.847	1-R-RN-0518	CN-1492-RN-256R		VT	QAL-14		08.00		RIGID SUPPORT
F1.03.847A	1-R-RN-0519	CN-1492-RN-256R		VT	QAL-14		08.00		RIGID SUPPORT
F1.03.848	1-R-RN-0520	CN-1492-RN-256R		VT	QAL-14		08.00		RIGID SUPPORT

PROGRAM: NISIRUNB-QAISI02  
 FILE: C007133  
 PLANT: CATAWBA UNIT 1  
 KEY: ITEM NUMBER F1.

DUKE POWER COMPANY  
 QUALITY ASSURANCE DEPARTMENT  
 PRE-SERVICE AND IN-SERVICE INSPECTION SYSTEM  
 CATAWBA 1 OUTAGE 7 INSERVICE INSPECTION LISTING

PAGE 130  
 DATE 03/10/94

ITEM NUMBER	ID. NUMBER	DRAWING NUMBERS	LOCS.	INSP. REQ.	PROC. NUMBERS	MATERIAL TYPE/GRADE	DIAM. / THICK	CALIB BLOCK	COMMENTS
F1.03.848A	1-R-RN-0521	CN-1492-RN-256R		VT	QAL-14		08.00		RIGID SUPPORT
F1.03.849	1-R-RN-0603	CN-1492-RN-256R		VT	QAL-14		08.00		MECHANICAL SNUBBER
F1.03.849A	1-R-RN-0492	CN-1492-RN-257R		VT	QAL-14		08.00		RIGID SUPPORT
F1.03.850	1-R-RN-0493	CN-1492-RN-257R		VT	QAL-14		08.00		RIGID SUPPORT
F1.03.850A	1-R-RN-0494	CN-1492-RN-257R		VT	QAL-14		08.00		RIGID SUPPORT
F1.03.851	1-R-RN-0495	CN-1492-RN-257R		VT	QAL-14		08.00		RIGID SUPPORT
F1.03.851A	1-R-RN-0496	CN-1492-RN-257R		VT	QAL-14		08.00		RIGID SUPPORT
F1.03.852	1-R-RN-0497	CN-1492-RN-257R		VT	QAL-14		08.00		RIGID SUPPORT

PROGRAM: NISIRUNB-QAISI02  
 FILE: C007133  
 PLANT: CATAWBA UNIT 1  
 KEY: ITEM NUMBER F1.

DUKE POWER COMPANY  
 QUALITY ASSURANCE DEPARTMENT  
 PRE-SERVICE AND IN-SERVICE INSPECTION SYSTEM  
 CATAWBA 1 OUTAGE 7 INSERVICE INSPECTION LISTING

PAGE 131  
 DATE 03/10/94

ITEM NUMBER	ID. NUMBER	DRAWING NUMBERS	LOCS.	INSP. REQ.	PROC. NUMBERS	MATERIAL TYPE/GRADE	DIAM. THICK	CALIB. BLOCK	COMMENTS
F1.03.852A	1-R-RN-0498	CN-1492-RN-257R	_____	VT	QAL-14	_____	08.00	_____	RIGID SUPPORT
F1.03.853	1-R-RN-0499	CN-1492-RN-257R	_____	VT	QAL-14	_____	08.00	_____	RIGID SUPPORT
F1.03.853A	1-R-RN-0500	CN-1492-RN-257R	_____	VT	QAL-14	_____	08.00	_____	RIGID SUPPORT
F1.03.854	1-R-RN-0501	CN-1492-RN-257R	_____	VT	QAL-14	_____	08.00	_____	RIGID SUPPORT
F1.03.854A	1-R-RN-0502	CN-1492-RN-257R	_____	VT	QAL-14	_____	08.00	_____	RIGID SUPPORT
F1.03.855	1-R-RN-0503	CN-1492-RN-257R	_____	VT	QAL-14	_____	08.00	_____	RIGID SUPPORT
F1.03.855A	1-R-RN-0606	CN-1492-RN-257R	_____	VT	QAL-14	_____	08.00	_____	RIGID SUPPORT
F1.03.856	1-R-RN-0608	CN-1492-RN-257R	_____	VT	QAL-14	_____	08.00	_____	RIGID SUPPORT



PROGRAM: NISIRUMB-QAISI02  
 FILE: C007133  
 PLANT: CATAHBA UNIT 1  
 KEY: ITEM NUMBER F1.

DUKE POWER COMPANY  
 QUALITY ASSURANCE DEPARTMENT  
 PRE-SERVICE AND IN-SERVICE INSPECTION SYSTEM  
 CATAHBA 1 OUTAGE 7 INSERVICE INSPECTION LISTING

PAGE 132  
 DATE 03/10/94

ITEM NUMBER	ID. NUMBER	DRAWING NUMBERS	LOCS.	INSP. REQ.	PROC. NUMBERS	MATERIAL TYPE/GRADE	DIAM./THICK	CALIB BLOCK	COMMENTS
F1.03.856A	1-R-RN-0748	CN-1492-RN-257R		VT	QAL-14		08.00		RIGID SUPPORT
F1.03.857	1-R-RN-0504	CN-1492-RN-258R		VT	QAL-14		08.00		RIGID SUPPORT
F1.03.857A	1-R-RN-0505	CN-1492-RN-258R		VT	QAL-14		08.00		RIGID SUPPORT
F1.03.858	1-R-RN-0506	CN-1492-RN-258R		VT	QAL-14		08.00		MECHANICAL SNUBBER (2)
F1.03.858A	1-R-RN-0507	CN-1492-RN-258R		VT	QAL-14		08.00		RIGID SUPPORT
F1.03.859	1-R-RN-0607	CN-1492-RN-258R		VT	QAL-14		08.00		RIGID SUPPORT
F1.03.859A	1-R-RN-0508	CN-1492-RN-259R		VT	QAL-14		08.00		RIGID SUPPORT
F1.03.860	1-R-RN-0522	CN-1492-RN-260R		VT	QAL-14		08.00		RIGID SUPPORT

PROGRAM: NISIRUMB-QAISI02  
 FILE: C007133  
 PLANT: CATAWBA UNIT 1  
 KEY: ITEM NUMBER F1.

DUKE POWER COMPANY  
 QUALITY ASSURANCE DEPARTMENT  
 PRE-SERVICE AND IN-SERVICE INSPECTION SYSTEM  
 CATAWBA 1 OUTAGE 7 INSERVICE INSPECTION LISTING

PAGE 133  
 DATE 03/10/94

ITEM NUMBER	ID. NUMBER	DRAWING NUMBERS	LOCS.	INSP. REQ.	PROC. NUMBERS	MATERIAL TYPE/GRADE	DIAM./THICK	CALIB BLOCK	COMMENTS
F1.03.860A	1-R-RN-0523	CN-1492-RN-260R	_____	VT	QAL-14	_____	08.00	_____	RIGID SUPPORT
F1.03.861	1-R-RN-0526	CN-1492-RN-260R	_____	VT	QAL-14	_____	08.00	_____	RIGID SUPPORT
F1.03.861A	1-R-RN-0610	CN-1506-RN-001R	_____	VT	QAL-14	_____	10.00	_____	RIGID SUPPORT
F1.03.862	1-R-RN-0611	CN-1506-RN-001R	_____	VT	QAL-14	_____	10.00	_____	RIGID SUPPORT TO BE DONE WITH D02.020.099
F1.03.862A	1-R-RN-0612	CN-1506-RN-001R	_____	VT	QAL-14	_____	10.00	_____	RIGID SUPPORT
F1.03.863	1-R-RN-0613	CN-1506-RN-001R	_____	VT	QAL-14	_____	10.00	_____	RIGID SUPPORT
F1.03.863A	1-R-RN-0614	CN-1506-RN-001R	_____	VT	QAL-14	_____	10.00	_____	RIGID SUPPORT
F1.03.864	1-R-RN-0616	CN-1506-RN-001R	_____	VT	QAL-14	_____	10.00	_____	RIGID SUPPORT

PROGRAM: NISIRUMB-QAISI02  
 FILE: C007133  
 PLANT: CATAWBA UNIT 1  
 KEY: ITEM NUMBER F1.

DUKE POWER COMPANY  
 QUALITY ASSURANCE DEPARTMENT  
 PRE-SERVICE AND IN-SERVICE INSPECTION SYSTEM  
 CATAWBA 1 OUTAGE 7 INSERVICE INSPECTION LISTING

PAGE 134  
 DATE 03/10/94

ITEM NUMBER	ID. NUMBER	DRAWING NUMBERS	LOCS.	INSP. REQ.	PROC. NUMBERS	MATERIAL TYPE/GRADE	DIAM. / THICK	CALIB BLOCK	COMMENTS
F1.03.864A	1-R-RN-0617	CN-1506-RN-001R		VT	QAL-14		10.00		RIGID SUPPORT
F1.03.865	1-R-RN-0618	CN-1506-RN-001R		VT	QAL-14		10.00		RIGID SUPPORT
F1.03.865A	1-R-RN-0619	CN-1506-RN-001R		VT	QAL-14		10.00		RIGID SUPPORT
F1.03.866	1-R-RN-0620	CN-1506-RN-001R		VT	QAL-14		10.00		RIGID SUPPORT
F1.03.866A	1-R-RN-0621	CN-1506-RN-001R		VT	QAL-14		10.00		RIGID SUPPORT
F1.03.867	1-R-RN-0622	CN-1506-RN-001R		VT	QAL-14		10.00		RIGID SUPPORT
F1.03.867A	1-R-RN-0623	CN-1506-RN-001R		VT	QAL-14		10.00		RIGID SUPPORT
F1.03.868	1-R-RN-0624	CN-1506-RN-001R		VT	QAL-14		10.00		RIGID SUPPORT

PROGRAM: NISIRUNB-QAIS102  
 FILE: C007133  
 PLANT: CATAWBA UNIT 1  
 KEY: ITEM NUMBER F1.

DUKE POWER COMPANY  
 QUALITY ASSURANCE DEPARTMENT  
 PRE-SERVICE AND IN-SERVICE INSPECTION SYSTEM  
 CATAWBA 1 OUTAGE 7 INSERVICE INSPECTION LISTING

PAGE 135  
 DATE 03/10/94

ITEM NUMBER	ID. NUMBER	DRAWING NUMBERS	LOCS.	INSP. REQ.	PROC. NUMBERS	MATERIAL TYPE/GRADE	DIAM./ THICK	CALIB BLOCK	COMMENTS
F1.03.868A	1-R-RN-0634	CN-1506-RN-001R		VT	QAL-14		10.00		RIGID SUPPORT
F1.03.869	1-R-RN-0615	CN-1506-RN-002R		VT	QAL-14		10.00		RIGID SUPPORT
F1.03.869A	1-R-RN-0628	CN-1506-RN-002R		VT	QAL-14		10.00		RIGID SUPPORT
F1.03.870	1-R-RN-0629	CN-1506-RN-002R		VT	QAL-14		10.00		RIGID SUPPORT TO BE DONE WITH D02.020.100
F1.03.870A	1-R-RN-0630	CN-1506-RN-002R		VT	QAL-14		10.00		RIGID SUPPORT
F1.03.871	1-R-RN-0631	CN-1506-RN-002R		VT	QAL-14		10.00		RIGID SUPPORT
F1.03.871A	1-R-RN-0632	CN-1506-RN-002R		VT	QAL-14		10.00		RIGID SUPPORT
F1.03.872	1-R-RN-0633	CN-1506-RN-002R		VT	QAL-14		10.00		RIGID SUPPORT

PROGRAM: NISIRUNB-QAISI02  
 FILE: C007133  
 PLANT: CATAWBA UNIT 1  
 KEY: ITEM NUMBER F1.

DUKE POWER COMPANY  
 QUALITY ASSURANCE DEPARTMENT  
 PRE-SERVICE AND IN-SERVICE INSPECTION SYSTEM  
 CATAWBA 1 CUTAGE 7 INSERVICE INSPECTION LISTING

PAGE 136  
 DATE 03/10/94

ITEM NUMBER	ID. NUMBER	DRAWING NUMBERS	LOCS.	INSP. REQ. NUMBERS	PROC. NUMBERS	MATERIAL TYPE/GRADE	DIAM./THICK	CALIB BLOCK	COMMENTS
F1.03.872A	1-R-RN-0635	CN-1506-RN-002R	___	VT	QAL-14	___	10.00	___	RIGID SUPPORT
F1.03.873	1-R-RN-0636	CN-1506-RN-002R	___	VT	QAL-14	___	10.00	___	RIGID SUPPORT
F1.03.873A	1-R-RN-0637	CN-1506-RN-002R	___	VT	QAL-14	___	10.00	___	RIGID SUPPORT
F1.03.874	1-R-RN-0638	CN-1506-RN-002R	___	VT	QAL-14	___	10.00	___	RIGID SUPPORT
F1.03.874A	1-R-RN-0639	CN-1506-RN-002R	___	VT	QAL-14	___	10.00	___	RIGID SUPPORT
F1.03.875	1-R-RN-0640	CN-1506-RN-002R	___	VT	QAL-14	___	10.00	___	RIGID SUPPORT
F1.03.875A	1-R-RN-0641	CN-1506-RN-002R	___	VT	QAL-14	___	10.00	___	RIGID SUPPORT
F1.03.876	1-R-RN-0642	CN-1506-RN-002R	___	VT	QAL-14	___	10.00	___	RIGID SUPPORT

PROGRAM: NISIRUNB-QAISI02  
 FILE: C007133  
 PLANT: CATAWBA UNIT 1  
 KEY: ITEM NUMBER G01

DUKE POWER COMPANY  
 QUALITY ASSURANCE DEPARTMENT  
 PRE-SERVICE AND IN-SERVICE INSPECTION SYSTEM  
 CATAWBA 1 OUTAGE 7 INSERVICE INSPECTION LISTING

PAGE 137  
 DATE 03/10/94

ITEM NUMBER	ID. NUMBER	DRAWING NUMBERS	LOCS.	INSP. REQ.	PROC. NUMBERS	MATERIAL TYPE/GRADE	DIAM./THICK	CALIB BLOCK	COMMENTS
G01.001.000	*****REACTOR	COOLANT PUMP***** FLYWHEEL EXAMS*****	_____	***	*****	*****	_____	*****	***** *****
G01.001.003	1RCP-1C	CN-1NC-025 CN-1553-1.0	_____	UT	NDE-900	CS	_____	-----	----- -----
G01.001.003A	1RCP-1C	CN-1NC-025 CN-1553-1.0	_____	MT	NDE-25	CS	_____	-----	INSPECT IF DISASSEMBLED MINIMUM ONCE PER INTERVAL
G01.001.004	1RCP-1D	CN-1NC-023 CN-1553-1.0	_____	UT	NDE-900	CS	_____	-----	----- -----

PROGRAM: NISIRUNB-QAISI02  
 FILE: C007133  
 PLANT: CATANBA UNIT 1  
 KEY: ITEM NUMBER G02

DUKE POWER COMPANY  
 QUALITY ASSURANCE DEPARTMENT  
 PRE-SERVICE AND IN-SERVICE INSPECTION SYSTEM  
 CATANBA 1 OUTAGE 7 INSERVICE INSPECTION LISTING

PAGE 138  
 DATE 03/10/94

ITEM NUMBER	ID. NUMBER	DRAWING NUMBERS	LOCS.	INSP REQ.	PROC. NUMBERS	MATERIAL TYPE/GRADE	DIAM./ THICK	CALIB BLOCK	COMMENTS
G02.001.000	*****STEAM	GENERATOR TUBE EXAMS ON PREHEATER SECTION	_____	***	*****	*****	_____	*****	***** U-TUBE DESIGN ***** ***** TUBES IN RON 49 *****

PROGRAM: NISIRUNB-QAISI02  
FILE: C007133  
PLANT: CATAWBA UNIT 1  
KEY: ITEM NUMBER G03

DUKE POWER COMPANY  
QUALITY ASSURANCE DEPARTMENT  
PRE-SERVICE AND IN-SERVICE INSPECTION SYSTEM  
CATAWBA 1 OUTAGE 7 INSERVICE INSPECTION LISTING

PAGE 139  
DATE 03/10/94

ITEM NUMBER	ID. NUMBER	DRAWING NUMBERS	LOCS.	INSP. PROC. REQ. NUMBERS	MATERIAL TYPE/GRADE	DIAM./ THICK	CALIB BLOCK	COMMENTS
G03.001.000	**PIPE RUPTURE	PROTECTION***** *****	_____	*** *****	*****	_____	*****	***** *****



PROGRAM: NISIRUMB-QAISI02  
 FILE: C007133  
 PLANT: CATAMBA UNIT 1  
 KEY: ITEM NUMBER G04

DUKE POWER COMPANY  
 QUALITY ASSURANCE DEPARTMENT  
 PRE-SERVICE AND IN-SERVICE INSPECTION SYSTEM  
 CATAMBA 1 OUTAGE 7 IN-SERVICE INSPECTION LISTING

PAGE 140  
 DATE 03/10/94

ITEM NUMBER	ID. NUMBER	DRAWING NUMBERS	LOCS.	INSP. REQ. NUMBERS	MATERIAL TYPE/GRADE	DIAM. THICK	CALIB. BLOCK	COMMENTS
G04.001.000	***CONTAINMENT	SPRAY SYSTEM***** *****		*** *****	*****		*****	*****
G04.001.008	INS26-04	CN-INS-026 CN-1563-1.0		UT NDE-600	SS	10.00 00.250	50412	
G04.001.009	INS26-07	CN-INS-026 CN-1563-1.0		UT NDE-600	SS	10.00 00.250	50412	
G04.001.015	INS29-06	CN-INS-029 CN-1563-1.0		UT NDE-600	SS	10.00 00.250	50412	
G04.001.016	INS29-07	CN-INS-029 CN-1563-1.0		UT NDE-600	SS	10.00 00.250	50412	
G04.001.017	INS29-08	CN-INS-029 CN-1563-1.0		UT NDE-600	SS	08.00 00.250	50309	
G04.001.018	INS29-11	CN-INS-029 CN-1563-1.0		UT NDE-600	SS	08.00 00.250	50309	
G04.001.019	INS29-16	CN-INS-029 CN-1563-1.0		UT NDE-600	SS	08.00 00.250	50309	

PROGRAM: NISIRUNB-QAISI02  
FILE: C007133  
PLANT: CATAWBA UNIT 1  
KEY: ITEM NUMBER G04

DUKE POWER COMPANY  
QUALITY ASSURANCE DEPARTMENT  
PRE-SERVICE AND IN-SERVICE INSPECTION SYSTEM  
CATAWBA 1 OUTAGE 7 INSERVICE INSPECTION LISTING

PAGE 141  
DATE 03/10/94

ITEM NUMBER	ID. NUMBER	DRAWING NUMBERS	LOCS.	INSP REQ.	PROC. NUMBERS	MATERIAL TYPE/GRADE	DIAM./ THICK	CALIB BLOCK	COMMENTS
004.001.020	INS29-23	CN-INS-029 CN-1563-1.0	_____	UT	NDE-600	SS	10.00 00.250	50412	----- ----- -----

PROGRAM: NISIRUNB-QAISI02  
FILE: C007133  
PLANT: CATAMBA UNIT 1  
KEY: ITEM NUMBER G05

DUKE POWER COMPANY  
QUALITY ASSURANCE DEPARTMENT  
PRE-SERVICE AND IN-SERVICE INSPECTION SYSTEM  
CATAMBA 1 OUTAGE 7 INSERVICE INSPECTION LISTING

PAGE 142  
DATE 03/10/94

ITEM NUMBER	ID. NUMBER	DRAWING NUMBERS	LOCS.	INSP. REQ.	PROC. NUMBERS	MATERIAL TYPE/GRADE	DIAM./ THICK	CALIB. BLOCK	COMMENTS
G05.001.000	*****THERMAL STRESS	PIPING EXAMINATIONS*	_____	***	*****	*****	_____	_____	***** NRC BULLETIN 88-08 ***** ***** *****

PROGRAM: NISIRUNB-QAISI02  
 FILE: C007133  
 PLANT: CATAWBA UNIT 1  
 KEY: ITEM NUMBER G06

DUKE POWER COMPANY  
 QUALITY ASSURANCE DEPARTMENT  
 PRE-SERVICE AND IN-SERVICE INSPECTION SYSTEM  
 CATAWBA 1 OUTAGE 7 INSERVICE INSPECTION LISTING

PAGE 143  
 DATE 03/10/94

ITEM NUMBER	ID. NUMBER	DRAWING NUMBERS	LOCS.	INSP REQ.	PROC. NUMBERS	MATERIAL TYPE/GRADE	DIAM./ THICK	CALIB BLOCK	COMMENTS
G06.001.000	***IGSCC CRACKING IN SI ACCUMULATOR NOZZLES*****	_____	_____	***	*****	*****	---	---	*****NRC INFORMATION NOTICE NO. 91-05*****

3. *Items examined by Pressure Testing*

Item Number	=	ASME Section XI Tables IWB-2500-1 (Class 1), IWC-2500-1 (Class 2)
Drawing Number	=	Number of the Flow Diagram
Revision	=	Revision of the Flow Diagram
Test	=	Type of Pressure Test
Comp	=	Vessel, Piping or Pump
Comp Name	=	Example: Reactor Vessel, etc., for piping - System designation will be used
Req. Insp	=	Type inspection performed, i.e., VT2
Req. Proc	=	Required inspection procedure
Comments	=	General and/or Detail Description

B. Items examined by Pressure Testing

Item Number	=	ASME Section XI Tables IWB-2500-1 (Class 1), IWC-2500-1 (Class 2)
Drawing Number	=	Number of the Flow Diagram
Revision	=	Revision of the Flow Diagram
Test	=	Type of Pressure Test
Comp	=	Vessel, Piping or Pump
Comp Name	=	Example: Reactor Vessel, etc., for piping - System designation will be used
Req. Insp	=	Type inspection performed, i.e., VT2
Req. Proc	=	Required inspection procedure
Comments	=	General and/or Detail Description

CATAWBA UNIT NUMBER 1  
CLASS A (CATEGORY B-P) REQUIREMENTS  
FOR OUTAGE NUMBER 7

ITEM NO.	DRAWING	REV	TEST	COMP	COMP NAME	REQ. INSP	REQ. PROC	COMMENTS
B15.010.001	CN-1553-1.0	22	LEAK	VESSEL	UNIT 1 REACTOR	VT-2	QAL-15	
B15.020.001	CN-1553-1.1	14	LEAK	VESSEL	PRESSURIZER	VT-2	QAL-15	
B15.030.001	CN-1553-1.0	22	LEAK	VESSEL	STEAM GENERATOR 1A	VT-2	QAL-15	
B15.030.002	CN-1553-1.0	22	LEAK	VESSEL	STEAM GENERATOR 1B	VT-2	QAL-15	
B15.030.003	CN-1553-1.0	22	LEAK	VESSEL	STEAM GENERATOR 1C	VT-2	QAL-15	
B15.030.004	CN-1553-1.0	22	LEAK	VESSEL	STEAM GENERATOR 1D	VT-2	QAL-15	
B15.050.001	CN-1553-1.0	22	LEAK	PIPING	NC SYSTEM	VT-2	QAL-15	
B15.050.002	CN-1553-1.1	14	LEAK	PIPING	NC SYSTEM	VT-2	QAL-15	
B15.050.004	CN-1554-1.0	14	LEAK	PIPING	NV SYSTEM	VT-2	QAL-15	
B15.050.005	CN-1554-1.5	07	LEAK	PIPING	NV SYSTEM	VT-2	QAL-15	
B15.050.006	CN-1561-1.0	10	LEAK	PIPING	NV SYSTEM	VT-2	QAL-15	
B15.050.007	CN-1561-1.1	08	LEAK	PIPING	ND SYSTEM	VT-2	QAL-15	
B15.050.008	CN-1562-1.0	07	LEAK	PIPING	NI SYSTEM	VT-2	QAL-15	
B15.050.009	CN-1562-1.1	12	LEAK	PIPING	NI SYSTEM	VT-2	QAL-15	
B15.050.010	CN-1562-1.2	08	LEAK	PIPING	NI SYSTEM	VT-2	QAL-15	
B15.050.011	CN-1562-1.3	06	LEAK	PIPING	NI SYSTEM	VT-2	QAL-15	
B15.051.002	CN-1553-1.1	14	HYDRO	PIPING	NC SYSTEM	VT-2	QAL-15	
B15.051.004	CN-1554-1.0	14	HYDRO	PIPING	NV SYSTEM	VT-2	QAL-15	
B15.051.006	CN-1561-1.0	10	HYDRO	PIPING	NV SYSTEM	VT-2	QAL-15	

CATAWBA UNIT NUMBER 1  
CLASS A (CATEGORY B-P) REQUIREMENTS  
FOR OUTAGE NUMBER 7

<u>ITEM NO.</u>	<u>DRAWING</u>	<u>REV</u>	<u>TEST</u>	<u>COMP</u>	<u>COMP NAME</u>	<u>REQ. INSP</u>	<u>REQ. PROC</u>	<u>COMMENTS</u>
B15.051.007	CN-1561-1.1	08	HYDRO	PIPING	ND SYSTEM	VT-2	QAL-15	
B15.051.008	CN-1562-1.0	07	HYDRO	PIPING	NI SYSTEM	VT-2	QAL-15	
B15.051.010	CN-1562-1.2	08	HYDRO	PIPING	NI SYSTEM	VT-2	QAL-15	
B15.060.001	CN-1553-1.0	22	LEAK	PUMP	RCP-1A	VT-2	QAL-15	
B15.060.002	CN-1553-1.0	22	LEAK	PUMP	RCP-1B	VT-2	QAL-15	
B15.060.003	CN-1553-1.0	22	LEAK	PUMP	RCP-1C	VT-2	QAL-15	
B15.060.004	CN-1553-1.0	22	LEAK	PUMP	RCP-1D	VT-2	QAL-15	



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

ITEM NO.	DRAWING	REV	TEST	COMP	COMP NAME	REQ. INSP	REQ. PROC	COMMENTS
C07.020.001	CN-1591-1.1	17	HYDRO	VESSEL	STEAM GENERATOR 1A	VT-2	QAL-15	
C07.020.002	CN-1591-1.1	17	HYDRO	VESSEL	STEAM GENERATOR 1B	VT-2	QAL-15	
C07.020.003	CN-1591-1.1	17	HYDRO	VESSEL	STEAM GENERATOR 1C	VT-2	QAL-15	
C07.020.004	CN-1591-1.1	17	HYDRO	VESSEL	STEAM GENERATOR 1D	VT-2	QAL-15	
C07.020.005	CN-1554-1.0	14	HYDRO	VESSEL	REGEN HEAT EXCHANGER	VT-2	QAL-15	
C07.020.006	CN-1554-1.0	14	HYDRO	VESSEL	EXCESS LETDOWN HX	VT-2	QAL-15	
C07.020.011	CN-1561-1.0	10	HYDRO	VESSEL	RHR HEAT EXCHGR 1A	VT-2	QAL-15	
C07.020.012	CN-1561-1.1	08	HYDRO	VESSEL	RHR HEAT EXCHGR 1B	VT-2	QAL-15	
C07.020.013	CN-1562-1.1	12	HYDRO	VESSEL	SAFETY INJ TANK 1A	VT-2	QAL-15	
C07.020.014	CN-1562-1.1	12	HYDRO	VESSEL	SAFETY INJ TANK 1B	VT-2	QAL-15	
C07.020.015	CN-1562-1.1	12	HYDRO	VESSEL	SAFETY INJ TANK 1C	VT-2	QAL-15	
C07.020.016	CN-1562-1.1	12	HYDRO	VESSEL	SAFETY INJ TANK 1D	VT-2	QAL-15	
C07.020.023	CN-1561-1.0	10	HYDRO	VESSEL	ND PUMP 1A SL WTR	VT-2	QAL-15	
C07.020.024	CN-1561-1.1	08	HYDRO	VESSEL	ND PUMP 1B SL WTR	VT-2	QAL-15	
C07.040.001	CN-1553-1.0	22	HYDRO	PIPING	NC SYSTEM	VT-2	QAL-15	

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

ITEM NO.	DRAWING	REV	TEST	COMP	COMP NAME	REQ. INSP	REQ. PROC	COMMENTS
C07.040.002	CN-1553-1.1	14	HYDRO	PIPING	NC SYSTEM	VT-2	QAL-15	
C07.040.003	CN-1553-1.2	07	HYDRO	PIPING	NC SYSTEM	VT-2	QAL-15	
C07.040.005	CN-1554-1.0	14	HYDRO	PIPING	NV SYSTEM	VT-2	QAL-15	Penetrations M-256, M-273, M-330 and M-347
C07.040.010	CN-1554-1.5	07	HYDRO	PIPING	NV SYSTEM	VT-2	QAL-15	Penetrations M-339, M-343, M-344 and M-350
C07.040.011	CN-1554-1.6	09	HYDRO	PIPING	NV SYSTEM	VT-2	QAL-15	
C07.040.012	CN-1554-1.7	09	HYDRO	PIPING	NV SYSTEM	VT-2	QAL-15	
C07.040.013	CN-1554-1.8	03	HYDRO	PIPING	NV SYSTEM	VT-2	QAL-15	Penetration M-228
C07.040.020	CN-1561-1.0	10	HYDRO	PIPING	ND SYSTEM	VT-2	QAL-15	Penetration M-276
C07.040.021	CN-1561-1.1	08	HYDRO	PIPING	ND SYSTEM	VT-2	QAL-15	
C07.040.022	CN-1562-1.0	07	HYDRO	PIPING	NI SYSTEM	VT-2	QAL-15	Penetration M-351
C07.040.023	CN-1562-1.1	12	HYDRO	PIPING	NI SYSTEM	VT-2	QAL-15	Penetrations M-322 and M-331
C07.040.024	CN-1562-1.2	08	HYDRO	PIPING	NI SYSTEM	VT-2	QAL-15	Penetrations M-207, M-317 and M-320
C07.040.025	CN-1562-1.3	06	HYDRO	PIPING	NI SYSTEM	VT-2	QAL-15	Penetrations M-210, M-303, M-307 and M-336
C07.040.027	CN-1563-1.0	11	HYDRO	PIPING	NS SYSTEM	VT-2	QAL-15	Penetrations M-362, M-369, M-370, M-380, M-38 and M-387
C07.040.031	CN-1565-2.6	08	HYDRO	PIPING	WL SYSTEM	VT-2	QAL-15	Penetration M-359
C07.040.036	CN-1569-1.0	07	HYDRO	PIPING	NW SYSTEM	VT-2	QAL-15	Penetrations M-243 and M-253
C07.040.038	CN-1571-1.0	13	HYDRO	PIPING	FW SYSTEM	VT-2	QAL-15	Penetrations M-358 and M-377
C07.040.039	CN-1572-1.0	17	HYDRO	PIPING	NM SYSTEM	VT-2	QAL-15	Penetrations M-235 and M-310
C07.040.040	CN-1572-1.1	05	HYDRO	PIPING	NM SYSTEM	VT-2	QAL-15	Penetration M-236
C07.040.042	CN-1572-1.4	15	HYDRO	PIPING	NM SYSTEM	VT-2	QAL-15	Penetrations M-335, M-338, M-340 and M-341

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

ITEM NO.	DRAWING	REV	TEST	COMP	COMP NAME	REQ. INSP	REQ. PROC	COMMENTS
C07.040.044	CN-1573-1.3	11	HYDRO	PIPING	KC SYSTEM	VT-2	QAL-15	Penetrations M-217, M-218, M-321, M-328, M-35 and M-376
C07.040.045	CN-1573-1.4	08	HYDRO	PIPING	KC SYSTEM	VT-2	QAL-15	
C07.040.046	CN-1573-1.5	08	HYDRO	PIPING	KC SYSTEM	VT-2	QAL-15	Penetration M-323
C07.040.047	CN-1573-1.7	07	HYDRO	PIPING	KC SYSTEM	VT-2	QAL-15	
C07.040.049	CN-1574-2.2	13	HYDRO	PIPING	RN SYSTEM	VT-2	QAL-15	Penetrations M-308 and M-230
C07.040.050	CN-1574-2.8	02	HYDRO	PIPING	RN SYSTEM	VT-2	QAL-15	Penetration M385 and M-240
C07.040.051	CN-1580-1.0	19	HYDRO	PIPING	BB SYSTEM	VT-2	QAL-15	Penetrations M-142, M-277, M-455 and M-3105
C07.040.052	CN-1584-1.0	06	HYDRO	PIPING	BW SYSTEM	VT-2	QAL-15	
C07.040.054	CN-1591-1.1	17	HYDRO	PIPING	CF SYSTEM	VT-2	QAL-15	Penetrations M-110, M-262, M-309 and M-422
C07.040.055	CN-1592-1.1	15	HYDRO	PIPING	CA SYSTEM	VT-2	QAL-15	Penetrations M-143, M-278, M-457 and M-3106
C07.040.056	CN-1593-1.0	12	HYDRO	PIPING	SM/SV SYSTEM	VT-2	QAL-15	Penetrations M-113, M-261, M-393 and M-423
C07.040.057	CN-1593-1.1	15	HYDRO	PIPING	SA SYSTEM	VT-2	QAL-15	
C07.060.004	CN-1561-1.0	10	HYDRO	PUMP	RES HT REML PUMP 1A	VT-2	QAL-15	
C07.060.005	CN-1561-1.1	08	HYDRO	PUMP	RES HT REML PUMP 1B	VT-2	QAL-15	

CATAWBA UNIT NUMBER 1  
CLASS C (CATEGORY D-A) REQUIREMENTS  
FOR OUTAGE NUMBER 7

<u>ITEM NO.</u>	<u>DRAWING</u>	<u>REV</u>	<u>TEST</u>	<u>COMP</u>	<u>COMP NAME</u>	<u>REQ. INSP</u>	<u>REQ. PROC</u>	<u>COMMENTS</u>
D01.012.003	CN-1554-1.2	15	HYDRO	PIPING	NV SYSTEM	VT-2	QAL-15	
D01.012.004	CN-1554-1.3	11	HYDRO	PIPING	NV SYSTEM	VT-2	QAL-15	

CATAWBA UNIT NUMBER 1  
CLASS C (CATEGORY D-B) REQUIREMENTS  
FOR OUTAGE NUMBER 7

ITEM NO.	DRAWING	REV	TEST	COMP	COMP NAME	REQ. INSP	REQ. PROC	COMMENTS
D02.012.002	CN-1573-1.0	20	HYDRO	PIPING	KC SYSTEM	VT-2	QAL-15	
D02.012.003	CN-1573-1.1	13	HYDRO	PIPING	KC SYSTEM	VT-2	QAL-15	
D02.012.011	CN-1573-2.0	04	HYDRO	PIPING	KC SYSTEM	VT-2	QAL-15	
D02.012.014	CN-1574-1.0	28	HYDRO	PIPING	RN SYSTEM	VT-2	QAL-15	
D02.012.015	CN-1574-1.1	15	HYDRO	PIPING	RN SYSTEM	VT-2	QAL-15	
D02.012.016	CN-1574-1.2	19	HYDRO	PIPING	RN SYSTEM	VT-2	QAL-15	
D02.012.017	CN-1574-2.0	18	HYDRO	PIPING	RN SYSTEM	VT-2	QAL-15	
D02.012.018	CN-1574-2.1	17	HYDRO	PIPING	RN SYSTEM	VT-2	QAL-15	
D02.012.019	CN-1574-2.4	16	HYDRO	PIPING	RN SYSTEM	VT-2	QAL-15	
D02.012.020	CN-1574-2.5	15	HYDRO	PIPING	RN SYSTEM	VT-2	QAL-15	
D02.012.021	CN-1592-1.0	18	HYDRO	PIPING	CA SYSTEM	VT-2	QAL-15	
D02.012.022	CN-1592-1.1	15	HYDRO	PIPING	CA SYSTEM	VT-2	QAL-15	
D02.012.023	CN-1593-1.1	15	HYDRO	PIPING	SA SYSTEM	VT-2	QAL-15	
D02.012.024	CN-1609-1.0	10	HYDRO	PIPING	KD SYSTEM	VT-2	QAL-15	
D02.012.031	CN-2574-2.0	11	HYDRO	PIPING	RN SYSTEM	VT-2	QAL-15	
D02.012.032	CN-2574-2.1	12	HYDRO	PIPING	RN SYSTEM	VT-2	QAL-15	
D02.012.033	CN-2574-2.4	10	HYDRO	PIPING	RN SYSTEM	VT-2	QAL-15	
D02.012.034	CN-2574-2.5	09	HYDRO	PIPING	RN SYSTEM	VT-2	QAL-15	
D02.012.035	CN-2573-1.1	08	HYDRO	PIPING	KC SYSTEM	VT-2	QAL-15	
D02.012.036	CN-1570-1.0	11	HYDRO	PIPING	KF SYSTEM	VT-2	QAL-15	

CATAWBA UNIT NUMBER 1  
CLASS C (CATEGORY D-B) REQUIREMENTS  
FOR OUTAGE NUMBER 7

<u>ITEM NO.</u>	<u>DRAWING</u>	<u>REV</u>	<u>TEST</u>	<u>COMP</u>	<u>COMP NAME</u>	<u>REQ. INSP</u>	<u>REQ. PROC</u>	<u>COMMENTS</u>
D02.012.042	CN-1569-1.0	07	HYDRO	PIPING	NW SYSTEM	VT-2	QAL-15	
D02.012.048	CN-1574-1.4	07	HYDRO	PIPING	RN SYSTEM	VT 2	QAL-15	
D02.012.049	CN-1573-2.2	01	HYDRO	PIPING	KC SYSTEM	VT-2	QAL-15	
D02.012.050	CN-1573-2.3	01	HYDRO	PIPING	KC SYSTEM	VT-2	QAL-15	
D02.012.052	CN-2573-2.2	00	HYDRO	PIPING	RN SYSTEM	VT-2	QAL-15	
D02.012.053	CN-2573-2.3	00	HYDRO	PIPING	RN SYSTEM	VT-2	QAL-15	

CATAWBA UNIT NUMBER 1  
CLASS C (CATEGORY D-C) REQUIREMENTS  
FOR OUTAGE NUMBER 7

<u>ITEM NO.</u>	<u>DRAWING</u>	<u>REV</u>	<u>TEST</u>	<u>COMP</u>	<u>COMP NAME</u>	<u>REQ. INSP</u>	<u>REQ. PROC</u>	<u>COMMENTS</u>
D03.012.001	CN-1570-1.0	11	HYDRO	PIPING	KF SYSTEM	VT-2	QAL-15	

## 5.0 Results Of Inspections Performed During Outage 7

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

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

### A. Items Examined by NDE (excluding Pressure Testing)

Item Number	=	ASME Section XI Tables IWB-2500-1 (Class 1), IWC-2500-1 (Class 2), IWF-2500-1 (Class 1 and Class 2), Augmented Requirements
ID Number	=	Unique Identification Number
Inspection Date	=	Date of Examination
Inspection Status	=	CLR = Clear REC = Recordable REP = Reportable
Inspection Limited	=	L = Limited _ = No
Geo. Ref. (Geometric Reflector applies only to UT)	=	<u>Y</u> = Yes <u>N</u> = No
Comments	=	General and/or Detail Description



PROGRAM: NISIRUND-QAISI04  
 FILE: C007133  
 PLANT: CATANBA UNIT 1  
 KEY: ITEM NUMBER B01

DUKE POWER COMPANY  
 QUALITY ASSURANCE DEPARTMENT  
 PRE-SERVICE AND IN-SERVICE INSPECTION SYSTEM  
 CATANBA 1 OUTAGE 7 INSERVICE INSPECTION RESULTS

PAGE 1  
 DATE 03/10/94

ITEM NUMBER	ID NUMBER	INSPECTION DATE	INSPECTION STATUS	INSPECTION LIMITED	GEO. REF.	COMMENTS
B01.011.001	IRPV-W03	11/24/93	REC	L	Y	CAL. BLK.#50302 FULL NODE
B01.011.002	IRPV-W04	11/24/93	REC	-	Y	_____
B01.011.003	IRPV-W05	11/23/93	CLR	-	Y	_____
B01.011.004	IRPV-W06	11/24/93	REC	L	Y	REF.RFR #94-01
B01.021.001	IRPV-W01	11/24/93	REC	L	Y	CAL.BLK.#50302 FULL NODE
B01.022.001	IRPV-W02-01	11/23/93	REC	L	N	CAL.BLK.#50302 FULL NODE
B01.022.002	IRPV-W02-02	11/22/93	CLR	-	N	CAL.BLK.#50302 FULL NODE
B01.022.003	IRPV-W02-03	11/24/93	REC	L	N	CAL.BLK.#50302 FULL NODE
B01.022.004	IRPV-W02-04	11/23/93	CLR	L	N	CAL.BLK.#50302 FULL NODE
B01.022.005	IRPV-W02-05	11/24/93	REC	L	Y	CAL.BLK.#50302 FULL NODE
B01.022.006	IRPV-W02-06	11/24/93	REC	L	N	CAL.BLK.#50302 FULL NODE
B01.030.001	IRPV-W07	11/24/93	CLR	-	Y	_____

PROGRAM: NISIRUND-QAISI04  
FILE: C007133  
PLANT: CATAWBA UNIT 1  
KEY: ITEM NUMBER B02

DUKE POWER COMPANY  
QUALITY ASSURANCE DEPARTMENT  
PRE-SERVICE AND IN-SERVICE INSPECTION SYSTEM  
CATAWBA 1 OUTAGE 7 INSERVICE INSPECTION RESULTS

PAGE 2  
DATE 03/10/94

ITEM NUMBER	ID NUMBER	INSPECTION DATE	INSPECTION STATUS	INSPECTION LIMITED	GEO. REF.	COMMENTS
=====	=====	=====	=====	=====	=====	=====
B02.040.003	ISGC-01-02	11/09/93	CLR	-	Y	_____

PROGRAM: NISIRUND-QAISI04  
FILE: C007133  
PLANT: CATAHBA UNIT 1  
KEY: ITEM NUMBER B03

DUKE POWER COMPANY  
QUALITY ASSURANCE DEPARTMENT  
PRE-SERVICE AND IN-SERVICE INSPECTION SYSTEM  
CATAHBA 1 OUTAGE 7 INSERVICE INSPECTION RESULTS

PAGE 3  
DATE 03/10/94

ITEM NUMBER	ID NUMBER	INSPECTION DATE	INSPECTION STATUS	INSPECTION LIMITED	GEO. REF.	COMMENTS
B03.090.001	IRPV-W11	11/22/93	CLR	L	Y	REF.RFR #94-01
B03.090.001A	IRPV-W11	11/22/93	REC	L	Y	_____
B03.090.002	IRPV-W12	11/22/93	CLR	L	Y	REF.RFR #94-01
B03.090.002A	IRPV-W12	11/22/93	CLR	L	Y	_____
B03.090.003	IRPV-W13	11/20/93	CLR	L	Y	REF.RFR #94-01
B03.090.003A	IRPV-W13	11/23/93	CLR	L	Y	_____
B03.090.004	IRPV-W14	11/24/93	REC	L	N	REF.RFR #94-01
B03.090.004A	IRPV-W14	11/23/93	CLR	L	Y	_____
B03.090.005	IRPV-W15	11/18/93	CLR	L	N	REF.RFR #94-01
B03.090.005A	IRPV-W15	11/23/93	CLR	L	Y	REF.RFR #94-01
B03.090.006	IRPV-W16	11/19/93	CLR	L	N	REF.RFR #94-01
B03.090.006A	IRPV-W16	11/24/93	CLR	L	Y	REF.RFR #94-01
B03.090.007	IRPV-W17	11/22/93	CLR	L	N	REF.RFR #94-01
B03.090.007A	IRPV-W17	11/24/93	CLR	L	Y	REF.RFR #94-01
B03.090.008	IRPV-W18	11/19/93	CLR	L	N	REF.RFR #94-01

PROGRAM: NISIRUND-QAISI04  
FILE: C007133  
PLANT: CATAHBA UNIT 1  
KEY: ITEM NUMBER B03

DUKE POWER COMPANY  
QUALITY ASSURANCE DEPARTMENT  
PRE-SERVICE AND IN-SERVICE INSPECTION SYSTEM  
CATAHBA 1 OUTAGE 7 INSERVICE INSPECTION RESULTS

PAGE 4  
DATE 03/10/94

ITEM NUMBER	ID NUMBER	INSPECTION DATE	INSPECTION STATUS	INSPECTION LIMITED	GEO. REF.	COMMENTS
B03.090.008A	1RPV-W18	11/24/93	CLR	L	Y	REF.RFR #94-01
B03.100.001	1RPV-W11	11/22/93	CLR	L	N	_____
B03.100.002	1RPV-W12	11/22/93	CLR	L	N	_____
B03.100.003	1RPV-W13	11/23/93	REC	L	N	_____
B03.100.004	1RPV-W14	11/19/93	CLR	L	N	_____
B03.100.005	1RPV-W15	11/18/93	CLR	L	N	REF.RFR #94-01
B03.100.006	1RPV-W16	11/24/93	CLR	L	N	REF.RFR #94-01
B03.100.007	1RPV-W17	11/24/93	CLR	L	N	REF.RFR #94-01
B03.100.008	1RPV-W18	11/24/93	CLR	L	N	REF.RFR #94-01
B03.110.004	1PZR-W4A	11/23/93	REC	L	Y	_____
B03.110.005	1PZR-W4B	11/23/93	REC	L	Y	_____
B03.110.006	1PZR-W4C	11/23/93	REC	L	Y	_____
B03.120.004	1PZR-W4A	11/23/93	CLR	L	N	_____
B03.120.005	1PZR-W4B	11/23/93	CLR	L	N	_____
B03.120.006	1PZR-W4C	11/23/93	CLR	L	N	_____

PROGRAM: NISIRUND-QAISI04  
FILE: C007133  
PLANT: CATAWBA UNIT 1  
KEY: ITEM NUMBER B03

DUKE POWER COMPANY  
QUALITY ASSURANCE DEPARTMENT  
PRE-SERVICE AND IN-SERVICE INSPECTION SYSTEM  
CATAWBA 1 OUTAGE 7 INSERVICE INSPECTION RESULTS

PAGE 5  
DATE 03/10/94

ITEM NUMBER =====	ID NUMBER =====	INSPECTION DATE =====	INSPECTION STATUS =====	INSPECTION LIMITED =====	GEN. REF. =====	COMMENTS =====
B03.140.005	ISGC-INLET	11/05/93	CLR	L	N	_____
B03.140.006	ISGC-OUTLET	11/05/93	CLR	L	N	_____

PROGRAM: NISIRUND-QAISI04  
 FILE: C007133  
 PLANT: CATAHBA UNIT 1  
 KEY: ITEM NUMBER B05

DUKE POWER COMPANY  
 QUALITY ASSURANCE DEPARTMENT  
 PRE-SERVICE AND IN-SERVICE INSPECTION SYSTEM  
 CATAHBA 1 OUTAGE 7 INSERVICE INSPECTION RESULTS

PAGE 6  
 DATE 03/10/94

ITEM NUMBER	ID NUMBER	INSPECTION DATE	INSPECTION STATUS	INSPECTION LIMITED	GEO. REF.	COMMENTS
=====	=====	=====	=====	=====	=====	=====
B05.010.001	1RPV-W11-SE	11/24/93	REC	-	N	_____
B05.010.001A	1RPV-W11-SE	11/24/93	REC	-	N	_____
B05.010.001B	1RPV-W11-SE	11/01/93	CLR	-	N	_____
B05.010.002	1RPV-W12-SE	11/24/93	REC	-	Y	_____
B05.010.002A	1RPV-W12-SE	11/24/93	REC	-	Y	_____
B05.010.002B	1RPV-W12-SE	11/01/93	CLR	-	N	_____
B05.010.003	1RPV-W13-SE	11/24/93	REC	-	Y	_____
B05.010.003A	1RPV-W13-SE	11/24/93	REC	-	Y	_____
B05.010.003B	1RPV-W13-SE	11/01/93	CLR	-	N	_____
B05.010.004	1RPV-W14-SE	11/24/93	CLR	-	Y	_____
B05.010.004A	1RPV-W14-SE	11/24/93	CLR	-	Y	_____
B05.010.004B	1RPV-W14-SE	11/01/93	CLR	-	N	_____
B05.010.005	1RPV-W15-SE	11/23/93	REC	-	Y	CAL.BLK.#50304 NEAR SURFACE
B05.010.005A	1RPV-W15-SE	11/23/93	REC	-	Y	REF.REQUEST FOR RELIEF #93-02
B05.010.006	1RPV-W16-SE	11/24/93	CLR	-	N	CAL.BLK.#50304 NEAR SURFACE

PROGRAM: NISIRUND-QAISI04  
 FILE: C007133  
 PLANT: CATAHBA UNIT 1  
 KEY: ITEM NUMBER B05

DUKE POWER COMPANY  
 QUALITY ASSURANCE DEPARTMENT  
 PRE-SERVICE AND IN-SERVICE INSPECTION SYSTEM  
 CATAHBA 1 OUTAGE 7 INSERVICE INSPECTION RESULTS

PAGE 7  
 DATE 03/10/94

ITEM NUMBER =====	ID NUMBER =====	INSPECTION DATE =====	INSPECTION STATUS =====	INSPECTION LIMITED =====	GEØ. REF. =====	COMMENTS =====
B05.010.006A	1RPV-W16-SE	11/24/93	CLR	-	N	REF.REQUEST FOR RELIEF #93-02
B05.010.007	1RPV-W17-SE	11/24/93	CLR	-	Y	CAL.BLK.#50304 NEAR SURFACE
B05.010.007A	1RPV-W17-SE	11/24/93	CLR	-	Y	REF.REQUEST FOR RELIEF #93-02
B05.010.008	1RPV-W18-SE	11/24/93	CLR	-	N	CAL.BLK.#50304 NEAR SURFACE
B05.010.008A	1RPV-W18-SE	11/24/93	CLR	-	N	REF.REQUEST FOR RELIEF #93-02
B05.040.004	1PZR-W4ASE	11/24/93	CLR	L	N	_____
B05.040.005	1PZR-W4BSE	11/24/93	CLR	L	N	_____
B05.040.006	1PZR-W4CSE	11/24/93	CLR	L	N	_____
B05.070.005	1SGC-INLET-SE	11/05/93	CLR	L	N	_____
B05.070.005A	1SGC-INLET-SE	11/05/93	CLR	-	N	_____
B05.070.006	1SGC-OUTLET-SE	11/05/93	CLR	L	N	_____
B05.070.006A	1SGC-OUTLET-SE	11/04/93	CLR	-	N	_____
B05.130.001	1NC22-01	11/24/93	CLR	-	N	CAL.BLK.#50304 NEAR SURFACE
B05.130.001A	1NC22-01	11/24/93	CLR	-	N	REF.REQUEST FOR RELIEF #93-02
B05.130.004	1NC22-08	11/24/93	REC	-	Y	_____

PROGRAM: NISIRUND-QAISI04  
 FILE: C007133  
 PLANT: CATAWBA UNIT 1  
 KEY: ITEM NUMBER B05

DUKE POWER COMPANY  
 QUALITY ASSURANCE DEPARTMENT  
 PRE-SERVICE AND IN-SERVICE INSPECTION SYSTEM  
 CATAWBA 1 OUTAGE 7 INSERVICE INSPECTION RESULTS

PAGE 8  
 DATE 03/10/94

ITEM NUMBER =====	ID NUMBER =====	INSPECTION DATE =====	INSPECTION STATUS =====	INSPECTION LIMITED =====	GEO. REF. =====	COMMENTS =====
B05.130.004A	INC22-08	11/24/93	REC	-	Y	_____
B05.130.004B	INC22-08	11/01/93	CLR	-	N	_____
B05.130.005	INC23-01	11/24/93	CLR	-	N	CAL.BLK.#50304 NEAR SURFACE
B05.130.005A	INC23-01	11/24/93	CLR	-	N	REF.REQUEST FOR RELIEF #93-02
B05.130.008	INC23-08	11/24/93	CLR	-	Y	_____
B05.130.008A	INC23-08	11/24/93	CLR	-	Y	_____
B05.130.008B	INC23-08	11/01/93	CLR	-	N	_____
B05.130.009	INC24-01	11/23/93	REC	-	Y	CAL.BLK.#50304 NEAR SURFACE
B05.130.009A	INC24-01	11/23/93	REC	-	Y	REF.REQUEST FOR RELIEF #93-02
B05.130.012	INC24-08	11/24/93	REC	-	N	_____
B05.130.012A	INC24-08	11/24/93	REC	-	N	_____
B05.130.012B	INC24-08	11/01/93	CLR	-	N	_____
B05.130.013	INC25-01	11/24/93	CLR	-	Y	CAL.BLK.#50304 NEAR SURFACE
B05.130.013A	INC25-01	11/24/93	CLR	-	Y	REF.REQUEST FOR RELIEF #93-02
B05.130.014	INC25-02	11/05/93	CLR	L	N	_____



PROGRAM: NISIRUND-QAISI04  
FILE: C007133  
PLANT: CATAWBA UNIT 1  
KEY: ITEM NUMBER B05

DUKE POWER COMPANY  
QUALITY ASSURANCE DEPARTMENT  
PRE-SERVICE AND IN-SERVICE INSPECTION SYSTEM  
CATAWBA 1 OUTAGE 7 INSERVICE INSPECTION RESULTS

PAGE 9  
DATE 03/10/94

ITEM NUMBER =====	ID NUMBER =====	INSPECTION DATE =====	INSPECTION STATUS =====	INSPECTION LIMITED =====	GEO. REF. =====	COMMENTS =====
B05.130.014A	INC25-02	11/05/93	CLR	-	N	_____
B05.130.015	INC25-03	11/05/93	CLR	L	N	_____
B05.130.015A	INC25-03	11/04/93	CLR	-	N	_____
B05.130.016	INC25-08	11/24/93	REC	-	Y	_____
B05.130.016A	INC25-08	11/24/93	REC	-	Y	_____
B05.130.016B	INC25-08	11/01/93	CLR	-	N	_____

PROGRAM: NISIRUND-QAISI04  
 FILE: C007133  
 PLANT: CATAWBA UNIT 1  
 KEY: ITEM NUMBER B06

DUKE POWER COMPANY  
 QUALITY ASSURANCE DEPARTMENT  
 PRE-SERVICE AND IN-SERVICE INSPECTION SYSTEM  
 CATAWBA 1 OUTAGE 7 INSERVICE INSPECTION RESULTS

PAGE 10  
 DATE 03/10/94

ITEM NUMBER =====	ID NUMBER =====	INSPECTION DATE =====	INSPECTION STATUS =====	INSPECTION LIMITED =====	GEQ. REF. =====	COMMENTS =====
B06.010.031	IRPV-NUT-31	11/18/93	CLR	-	N	_____
B06.010.032	IRPV-NUT-32	11/18/93	CLR	-	N	_____
B06.010.033	IRPV-NUT-33	11/24/93	CLR	-	N	_____
B06.010.034	IRPV-NUT-34	11/23/93	CLR	-	N	_____
B06.010.035	IRPV-NUT-35	11/23/93	CLR	-	N	_____
B06.010.036	IRPV-NUT-36	11/23/93	CLR	-	N	_____
B06.010.037	IRPV-NUT-37	11/23/93	CLR	-	N	_____
B06.010.038	IRPV-NUT-38	11/23/93	CLR	-	N	_____
B06.010.039	IRPV-NUT-39	11/23/93	CLR	-	N	_____
B06.010.040	IRPV-NUT-40	11/23/93	CLR	-	N	_____
B06.010.041	IRPV-NUT-41	11/23/93	CLR	-	N	_____
B06.010.042	IRPV-NUT-42	11/23/93	CLR	-	N	_____
B06.010.043	IRPV-NUT-43	11/23/93	CLR	-	N	_____
B06.010.044	IRPV-NUT-44	11/23/93	CLR	-	N	_____
B06.010.045	IRPV-NUT-45	11/23/93	CLR	-	N	_____

PROGRAM: NISIRUND-QAISI04  
FILE: C007133  
PLANT: CATAWBA UNIT 1  
KEY: ITEM NUMBER B06

DUKE POWER COMPANY  
QUALITY ASSURANCE DEPARTMENT  
PRE-SERVICE AND IN-SERVICE INSPECTION SYSTEM  
CATAWBA 1 OUTAGE 7 INSERVICE INSPECTION RESULTS

PAGE 11  
DATE 03/10/94

ITEM NUMBER	ID NUMBER	INSPECTION DATE	INSPECTION STATUS	INSPECTION LIMITED	GEQ. REF.	COMMENTS
=====	=====	=====	=====	=====	=====	=====
B06.010.046	1RPV-NUT-46	11/23/93	CLR	-	N	_____
B06.010.047	1RPV-NUT-47	11/24/93	CLR	-	N	_____
B06.010.048	1RPV-NUT-48	11/24/93	CLR	-	N	_____
B06.010.049	1RPV-NUT-49	11/24/93	CLR	-	N	_____
B06.010.050	1RPV-NUT-50	11/24/93	CLR	-	N	_____
B06.010.051	1RPV-NUT-51	11/24/93	CLR	-	N	_____
B06.010.052	1RPV-NUT-52	11/24/93	CLR	-	N	_____
B06.010.053	1RPV-NUT-53	11/24/93	CLR	-	N	_____
B06.010.054	1RPV-NUT-54	11/24/93	CLR	-	N	_____
B06.030.031	1RPV-STUD-31	11/16/93	CLR	-	N	_____
B06.030.031A	1RPV-STUD-31	11/18/93	CLR	-	N	_____
B06.030.032	1RPV-STUD-32	11/16/93	CLR	-	N	_____
B06.030.032A	1RPV-STUD-32	11/18/93	CLR	-	N	_____
B06.030.033	1RPV-STUD-33	11/16/93	CLR	-	N	_____
B06.030.033A	1RPV-STUD-33	11/24/93	CLR	-	N	_____

PROGRAM: NISIRUND-QAISI04  
 FILE: C007133  
 PLANT: CATAMBA UNIT 1  
 KEY: ITEM NUMBER B06

DUKE POWER COMPANY  
 QUALITY ASSURANCE DEPARTMENT  
 PRE-SERVICE AND IN-SERVICE INSPECTION SYSTEM  
 CATAMBA 1 OUTAGE 7 INSERVICE INSPECTION RESULTS

PAGE 12  
 DATE 03/10/94

ITEM NUMBER	ID NUMBER	INSPECTION DATE	INSPECTION STATUS	INSPECTION LIMITED	GEN. REF.	COMMENTS
B06.030.034	IRPV-STUD-34	11/16/93	CLR	-	N	_____
B06.030.034A	IRPV-STUD-34	11/23/93	CLR	-	N	_____
B06.030.035	IRPV-STUD-35	11/16/93	CLR	-	N	_____
B06.030.035A	IRPV-STUD-35	11/23/93	CLR	-	N	_____
B06.030.036	IRPV-STUD-36	11/16/93	CLR	-	N	_____
B06.030.036A	IRPV-STUD-36	11/23/93	CLR	-	N	_____
B06.030.037	IRPV-STUD-37	11/16/93	CLR	-	N	_____
B06.030.037A	IRPV-STUD-37	11/23/93	CLR	-	N	_____
B06.030.038	IRPV-STUD-38	11/16/93	CLR	-	N	_____
B06.030.038A	IRPV-STUD-38	11/23/93	CLR	-	N	_____
B06.030.039	IRPV-STUD-39	11/16/93	CLR	-	N	_____
B06.030.039A	IRPV-STUD-39	11/23/93	CLR	-	N	_____
B06.030.040	IRPV-STUD-40	11/16/93	CLR	-	N	_____
B06.030.040A	IRPV-STUD-40	11/23/93	CLR	-	N	_____
B06.030.041	IRPV-STUD-52	11/16/93	CLR	-	N	_____

PROGRAM: NISIRUND-QAISI04  
 FILE: C007133  
 PLANT: CATANBA UNIT 1  
 KEY: ITEM NUMBER B06

DUKE POWER COMPANY  
 QUALITY ASSURANCE DEPARTMENT  
 PRE-SERVICE AND IN-SERVICE INSPECTION SYSTEM  
 CATANBA 1 OUTAGE 7 INSERVICE INSPECTION RESULTS

PAGE 13  
 DATE 03/10/94

ITEM NUMBER =====	ID NUMBER =====	INSPECTION DATE =====	INSPECTION STATUS =====	INSPECTION LIMITED =====	GEO. REF. =====	COMMENTS =====
B06.030.041A	IRPV-STUD-S2	11/23/93	CLR	-	N	_____
B06.030.042	IRPV-STUD-42	11/16/93	CLR	-	N	_____
B06.030.042A	IRPV-STUD-42	11/23/93	CLR	-	N	_____
B06.030.043	IRPV-STUD-43	11/22/93	CLR	-	N	_____
B06.030.043A	IRPV-STUD-43	11/23/93	CLR	-	N	_____
B06.030.044	IRPV-STUD-44	11/22/93	CLR	-	N	_____
B06.030.044A	IRPV-STUD-44	11/23/93	CLR	-	N	_____
B06.030.045	IRPV-STUD-45	11/22/93	CLR	-	N	_____
B06.030.045A	IRPV-STUD-45	11/23/93	CLR	-	N	_____
B06.030.046	IRPV-STUD-46	11/22/93	CLR	-	N	_____
B06.030.046A	IRPV-STUD-46	11/23/93	CLR	-	N	_____
B06.030.047	IRPV-STUD-47	11/22/93	CLR	-	N	_____
B06.030.047A	IRPV-STUD-47	11/24/93	CLR	-	N	_____
B06.030.048	IRPV-STUD-48	11/22/93	CLR	-	N	_____
B06.030.048A	IRPV-STUD-48	11/24/93	CLR	-	N	_____

PROGRAM: NISIRUND-QAISI04  
 FILE: C007133  
 PLANT: CATAWBA UNIT 1  
 KEY: ITEM NUMBER B06

DUKE POWER COMPANY  
 QUALITY ASSURANCE DEPARTMENT  
 PRE-SERVICE AND IN-SERVICE INSPECTION SYSTEM  
 CATAWBA 1 OUTAGE 7 INSERVICE INSPECTION RESULTS

PAGE 14  
 DATE 03/10/94

ITEM NUMBER =====	ID NUMBER =====	INSPECTION DATE =====	INSPECTION STATUS =====	INSPECTION LIMITED =====	GEO. REF. =====	COMMENTS =====
B06.030.049	IRPV-STUD-49	11/22/93	CLR	-	N	_____
B06.030.049A	IRPV-STUD-49	11/24/93	CLR	-	N	_____
B06.030.050	IRPV-STUD-50	11/22/93	CLR	-	N	_____
B06.030.050A	IRPV-STUD-50	11/24/93	CLR	-	N	_____
B06.030.051	IRPV-STUD-51	11/22/93	CLR	-	N	_____
B06.030.051A	IRPV-STUD-51	11/24/93	CLR	-	N	_____
B06.030.052	IRPV-STUD-52	11/22/93	CLR	-	N	_____
B06.030.052A	IRPV-STUD-52	11/24/93	CLR	-	N	_____
B06.030.053	IRPV-STUD-53	11/22/93	CLR	-	N	_____
B06.030.053A	IRPV-STUD-53	11/24/93	CLR	-	N	_____
B06.030.054	IRPV-STUD-54	11/22/93	CLR	-	N	_____
B06.030.054A	IRPV-STUD-54	11/24/93	CLR	-	N	_____
B06.040.031	IRPV-THREAD-31	12/10/93	CLR	-	N	_____
B06.040.032	IRPV-THREAD-32	12/10/93	CLR	-	N	_____
B06.040.033	IRPV-THREAD-33	12/10/93	CLR	-	N	_____

PROGRAM: NISIRUND-QAISI04  
 FILE: C007133  
 PLANT: CATAWBA UNIT 1  
 KEY: ITEM NUMBER 806

DUKE POWER COMPANY  
 QUALITY ASSURANCE DEPARTMENT  
 PRE-SERVICE AND IN-SERVICE INSPECTION SYSTEM  
 CATAWBA 1 OUTAGE 7 INSERVICE INSPECTION RESULTS

ITEM NUMBER =====	ID NUMBER =====	INSPECTION DATE =====	INSPECTION STATUS =====	INSPECTION LIMITED =====	GEO. REF. =====	COMMENTS =====
B06.040.034	IRPV-THREAD-34	12/10/93	CLR	-	N	_____
B06.040.035	IRPV-THREAD-35	12/10/93	CLR	-	N	_____
B06.040.036	IRPV-THREAD-36	12/10/93	CLR	-	N	_____
B06.040.037	IRPV-THREAD-37	12/10/93	CLR	-	N	_____
B06.040.038	IRPV-THREAD-38	12/10/93	CLR	-	N	_____
B06.040.039	IRPV-THREAD-39	12/10/93	CLR	-	N	_____
B06.040.040	IRPV-THREAD-40	12/10/93	CLR	-	N	_____
B06.040.041	IRPV-THREAD-41	12/10/93	CLR	-	N	_____
B06.040.042	IRPV-THREAD-42	12/10/93	CLR	-	N	_____
B06.040.043	IRPV-THREAD-43	12/10/93	CLR	-	N	_____
B06.040.044	IRPV-THREAD-44	12/10/93	CLR	-	N	_____
B06.040.045	IRPV-THREAD-45	12/10/93	CLR	-	N	_____
B06.040.046	IRPV-THREAD-46	12/10/93	CLR	-	N	_____
B06.040.047	IRPV-THREAD-47	12/10/93	CLR	-	N	_____
B06.040.048	IRPV-THREAD-48	12/10/93	CLR	-	N	_____

PROGRAM: NISIRUND-QAISID4  
 FILE: C007133  
 PLANT: CATAWBA UNIT 1  
 KEY: ITEM NUMBER B06

DUKE POWER COMPANY  
 QUALITY ASSURANCE DEPARTMENT  
 PRE-SERVICE AND IN-SERVICE INSPECTION SYSTEM  
 CATAWBA 1 OUTAGE 7 INSERVICE INSPECTION RESULTS

PAGE 16  
 DATE 03/10/94

ITEM NUMBER	ID NUMBER	INSPECTION DATE	INSPECTION STATUS	INSPECTION LIMITED	GEO. REF.	COMMENTS
=====	=====	=====	=====	=====	=====	=====
B06.040.049	IRPV-THREAD-49	12/10/93	CLR	-	N	_____
B06.040.050	IRPV-THREAD-50	12/10/93	CLR	-	N	_____
B06.040.051	IRPV-THREAD-51	12/10/93	CLR	-	N	_____
B06.040.052	IRPV-THREAD-52	12/10/93	CLR	-	N	_____
B06.040.053	IRPV-THREAD-53	12/10/93	CLR	-	N	_____
B06.040.054	IRPV-THREAD-54	12/10/93	CLR	-	N	_____
B06.050.031	IRPV-WASHER-31	11/18/93	CLR	-	N	_____
B06.050.032	IRPV-WASHER-32	11/18/93	CLR	-	N	_____
B06.050.033	IRPV-WASHER-33	11/23/93	CLR	-	N	_____
B06.050.034	IRPV-WASHER-34	11/18/93	CLR	-	N	_____
B06.050.035	IRPV-WASHER-35	11/23/93	CLR	-	N	_____
B06.050.036	IRPV-WASHER-36	11/23/93	CLR	-	N	_____
B06.050.037	IRPV-WASHER-37	11/23/93	CLR	-	N	_____
B06.050.038	IRPV-WASHER-38	11/23/93	CLR	-	N	_____
B06.050.039	IRPV-WASHER-39	11/23/93	CLR	-	N	_____



PROGRAM: NISIRUND-QAISI04  
 FILE: C007133  
 PLANT: CATAWBA UNIT 1  
 KEY: ITEM NUMBER B06

DUKE POWER COMPANY  
 QUALITY ASSURANCE DEPARTMENT  
 PRE-SERVICE AND IN-SERVICE INSPECTION SYSTEM  
 CATAWBA 1 OUTAGE 7 INSERVICE INSPECTION RESULTS

PAGE 17  
 DATE 03/10/94

ITEM NUMBER =====	ID NUMBER =====	INSPECTION DATE =====	INSPECTION STATUS =====	INSPECTION LIMITED =====	GEN. REF. =====	COMMENTS =====
B06.050.040	IRPV-WASHER-40	11/23/93	CLR	-	N	_____
B06.050.041	IRPV-WASHER-33	11/23/93	CLR	-	N	_____
B06.050.042	IRPV-WASHER-42	11/23/93	CLR	-	N	_____
B06.050.043	IRPV-WASHER-43	11/23/93	CLR	-	N	_____
B06.050.044	IRPV-WASHER-44	11/23/93	CLR	-	N	_____
B06.050.045	IRPV-WASHER-45	11/23/93	CLR	-	N	_____
B06.050.046	IRPV-WASHER-46	11/23/93	CLR	-	N	_____
B06.050.047	IRPV-WASHER-47	11/23/93	CLR	-	N	_____
B06.050.048	IRPV-WASHER-48	11/23/93	CLR	-	N	_____
B06.050.049	IRPV-WASHER-49	11/23/93	CLR	-	N	_____
B06.050.050	IRPV-WASHER-50	11/23/93	CLR	-	N	_____
B06.050.051	IRPV-WASHER-51	11/23/93	CLR	-	N	_____
B06.050.052	IRPV-WASHER-52	11/23/93	CLR	-	N	_____
B06.050.053	IRPV-WASHER-53	11/23/93	CLR	-	N	_____
B06.050.054	IRPV-WASHER-54	11/23/93	CLR	-	N	_____

PROGRAM: NISIRUNG-QAISI04  
FILE: C007133  
PLANT: CATAHBA UNIT 1  
KEY: ITEM NUMBER B07

DUKE POWER COMPANY  
QUALITY ASSURANCE DEPARTMENT  
PRE-SERVICE AND IN-SERVICE INSPECTION SYSTEM  
CATAHBA 1 OUTAGE 7 INSERVICE INSPECTION RESULTS

PAGE 18  
DATE 03/10/94

ITEM NUMBER =====	ID NUMBER =====	INSPECTION DATE =====	INSPECTION STATUS =====	INSPECTION LIMITED =====	GEQ. REF. =====	COMMENTS =====
B07.020.001	1PZR-MWB	12/06/93	CLR	-	N	_____
B07.050.056	INV614-MJ1	11/09/93	CLR	-	N	_____
B07.050.057	INV615-MJ1	11/09/93	CLR	-	N	_____
B07.060.004	IRCP-1D-S	12/12/93	CLR	-	N	_____
B07.060.008	IRCP-1D-H	12/12/93	CLR	-	N	_____
B07.070.059	INI-88B	12/02/93	CLR	-	N	_____
B07.070.060	INI-93	12/02/93	CLR	-	N	_____
B07.070.062	INI-125	11/16/93	CLR	-	N	_____
B07.070.064	INI-129	11/16/93	CLR	-	N	_____
B07.070.067	INI-160	11/06/93	CLR	-	N	_____

PROGRAM: NISIRUND-QAISI04  
FILE: C097133  
PLANT: CATAWBA UNIT 1  
KEY: ITEM NUMBER B08

DUKE POWER COMPANY  
QUALITY ASSURANCE DEPARTMENT  
PRE-SERVICE AND IN-SERVICE INSPECTION SYSTEM  
CATAWBA 1 OUTAGE 7 INSERVICE INSPECTION RESULTS

PAGE 19  
DATE 03/10/94

ITEM NUMBER =====	ID NUMBER =====	INSPECTION DATE =====	INSPECTION STATUS =====	INSPECTION LIMITED =====	GEO. REF. =====	COMMENTS =====
B08.020.006	1PZR-W11A	12/04/93	CLR	-	N	_____
B08.020.007	1PZR-W11B	12/04/93	CLR	-	N	_____
B08.020.008	1PZR-W11C	12/04/93	CLR	-	N	_____
B08.020.009	1PZR-W11D	12/01/93	CLR	-	N	_____

PROGRAM: NISIRUND-QAISI04  
 FILE: C007133  
 PLANT: CATAWBA UNIT 1  
 KEY: ITEM NUMBER B09

DUKE POWER COMPANY  
 QUALITY ASSURANCE DEPARTMENT  
 PRE-SERVICE AND IN-SERVICE INSPECTION SYSTEM  
 CATAWBA 1 OUTAGE 7 INSERVICE INSPECTION RESULTS

PAGE 20  
 DATE 03/10/94

ITEM NUMBER =====	ID NUMBER =====	INSPECTION DATE =====	INSPECTION STATUS =====	INSPECTION LIMITED =====	GEQ. REF. =====	COMMENTS =====
B09.011.028	INC25-07	11/05/93	CLR	-	N	_____
B09.011.028A	INC25-07	11/04/93	CLR	-	N	_____
B09.011.312	INI32-05	11/22/93	CLR	-	Y	_____
B09.011.312A	INI32-05	11/18/93	CLR	-	N	_____
B09.011.313	INI32-04	11/22/93	CLR	-	Y	_____
B09.011.313A	INI32-04	11/18/93	CLR	-	N	_____
B09.011.314	INI32-03	11/22/93	CLR	-	N	_____
B09.011.314A	INI32-03	11/18/93	CLR	-	N	_____
B09.011.351	INI240-10	11/22/93	CLR	-	N	_____
B09.011.351A	INI240-10	11/18/93	CLR	-	N	_____
B09.011.352	INI240-11	11/22/93	CLR	-	N	_____
B09.011.352A	INI240-11	11/18/93	CLR	-	N	_____
B09.011.353	INI240-08	11/22/93	CLR	-	Y	_____
B09.011.353A	INI240-08	11/18/93	CLR	-	N	_____
B09.021.005	INC41-15	11/04/93	CLR	-	N	_____

PROGRAM: NISIRUND-QAISI04  
FILE: C007133  
PLANT: CATAHBA UNIT 1  
KEY: ITEM NUMBER B09

DUKE POWER COMPANY  
QUALITY ASSURANCE DEPARTMENT  
PRE-SERVICE AND IN-SERVICE INSPECTION SYSTEM  
CATAHBA 1 OUTAGE 7 INSERVICE INSPECTION RESULTS

PAGE 21  
DATE 03/10/94

ITEM NUMBER	ID NUMBER	INSPECTION DATE	INSPECTION STATUS	INSPECTION LIMITED	GEO. REF.	COMMENTS
B09.021.006	INC42-01	11/04/93	CLR	-	N	
B09.021.007	INC43-11	11/10/93	CLR	-	N	
B09.021.008	INC50-25	11/10/93	CLR	-	N	
B09.021.009	INC50-26	11/10/93	CLR	-	N	
B09.021.010	INC51-01	11/10/93	CLR	-	N	
B09.021.011	INC22-12	11/04/93	CLR	-	N	
B09.021.012	INC22-16	11/04/93	CLR	-	N	
B09.021.152	INV310-01	12/07/93	CLR	-	N	
B09.021.153	INV310-02	12/07/93	CLR	-	N	
B09.031.003	INC22-WN8	11/11/93	CLR	L	N	REF.RFR #94-01
B09.031.003A	INC22-WN8	11/11/93	CLR	-	N	
B09.032.027	INC288-01	11/09/93	CLR	-	N	
B09.032.028	INC288-03	11/09/93	CLR	-	N	
B09.032.029	INC288-06	11/09/93	CLR	-	N	
B09.032.030	INC288-05	11/09/93	CLR	-	N	

PROGRAM: NISIRUND-QAISI04  
 FILE: C007133  
 PLANT: CATAWBA UNIT 1  
 KEY: ITEM NUMBER B09

DUKE POWER COMPANY  
 QUALITY ASSURANCE DEPARTMENT  
 PRE-SERVICE AND IN-SERVICE INSPECTION SYSTEM  
 CATAWBA 1 OUTAGE 7 INSERVICE INSPECTION RESULTS

PAGE 22  
 DATE 03/10/94

ITEM NUMBER =====	ID NUMBER =====	INSPECTION DATE =====	INSPECTION STATUS =====	INSPECTION LIMITED =====	GEO. REF. =====	COMMENTS =====
B09.032.053	INI10-02	12/07/93	CLR	-	N	_____
B09.032.055	INI147-03	12/07/93	CLR	-	N	_____
B09.040.003	INC24-12	11/10/93	CLR	-	N	_____
B09.040.005	INC41-09	11/04/93	CLR	-	N	_____
B09.040.006	INC41-13	11/04/93	CLR	-	N	_____
B09.040.007	INC41-24	11/04/93	CLR	-	N	_____
B09.040.008	INC42-05	11/04/93	CLR	-	N	_____
B09.040.009	INC43-08	11/10/93	CLR	-	N	_____
B09.040.010	INC50-06	11/10/93	CLR	-	N	_____
B09.040.011	INC50-29	11/10/93	CLR	-	N	_____
B09.040.012	INC50-30	11/10/93	CLR	-	N	_____
B09.040.013	INC51-02	11/10/93	CLR	-	N	_____
B09.040.041	INC81-06	11/11/93	CLR	-	N	_____
B09.040.042	INC82-05	11/03/93	CLR	-	N	_____
B09.040.123	INI240-04	11/18/93	CLR	-	N	_____

PROGRAM: MISIRUND-QAISI04  
FILE: C007133  
PLANT: CATAWBA UNIT 1  
KEY: ITEM NUMBER B09

DUKE POWER COMPANY  
QUALITY ASSURANCE DEPARTMENT  
PRE-SERVICE AND IN-SERVICE INSPECTION SYSTEM  
CATAWBA 1 OUTAGE 7 INSERVICE INSPECTION RESULTS

PAGE 23  
DATE 03/10/94

ITEM NUMBER	ID NUMBER	INSPECTION DATE	INSPECTION STATUS	INSPECTION LIMITED	GEO. REF.	COMMENTS
=====	=====	=====	=====	=====	=====	=====
B09.040.124	INI240-06	11/18/93	CLR	-	N	_____
B09.040.125	INI243-01	11/10/93	CLR	-	N	_____
B09.040.126	INI245-03	11/10/93	CLR	-	N	_____
B09.040.127	INI247-07	11/03/93	CLR	-	N	_____
B09.040.156	INV483-03	11/09/93	CLR	-	N	_____
B09.040.157	INV483-07	11/09/93	CLR	-	N	_____
B09.040.158	INV483-14	11/09/93	CLR	-	N	_____
B09.040.159	INV483-08	11/09/93	CLR	-	N	_____
B09.040.160	INV483-09	11/09/93	CLR	-	N	_____
B09.040.180	INV307-12	12/07/93	CLR	-	N	_____

PROGRAM: NISIRUN ISI04  
FILE: CC07133  
PLANT: CATAWBA UNIT 1  
KEY: ITEM NUMBER B13

DUKE POWER COMPANY  
QUALITY ASSURANCE DEPARTMENT  
PRE-SERVICE AND IN-SERVICE INSPECTION SYSTEM  
CATAWBA 1 OUTAGE 7 INSERVICE INSPECTION RESULTS

PAGE 24  
DATE 03/10/94

ITEM NUMBER =====	ID NUMBER =====	INSPECTION DATE =====	INSPECTION STATUS =====	INSPECTION LIMITED =====	GEO. REF. =====	COMMENTS =====
B13.010.001	IRPV-INTERIOR	12/11/93	REC	-	N	_____
B13.032.001	IRPV-CORE-SUP	11/21/93	REC	-	N	_____



PROGRAM: NISIRUND-QAISI04  
FILE: C007133  
PLANT: CATANBA UNIT 1  
KEY: ITEM NUMBER C01

DUKE POWER COMPANY  
QUALITY ASSURANCE DEPARTMENT  
PRE-SERVICE AND IN-SERVICE INSPECTION SYSTEM  
CATANBA 1 OUTAGE 7 INSERVICE INSPECTION RESULTS

PAGE 25  
DATE 03/10/94

ITEM NUMBER	ID NUMBER	INSPECTION DATE	INSPECTION STATUS	INSPECTION LIMITED	GEO. REF.	COMMENTS
=====	=====	=====	=====	=====	=====	=====
C01.020.001	ISGD-06B-07	11/18/93	CLR	-	Y	_____

PROGRAM: MISIRUND-QAISI04  
FILE: C007133  
PLANT: CATAWBA UNIT 1  
KEY: ITEM NUMBER C02

DUKE POWER COMPANY  
QUALITY ASSURANCE DEPARTMENT  
PRE-SERVICE AND IN-SERVICE INSPECTION SYSTEM  
CATAWBA 1 OUTAGE 7 INSERVICE INSPECTION RESULTS

PAGE 26  
DATE 03/10/94

ITEM NUMBER =====	ID NUMBER =====	INSPECTION DATE =====	INSPECTION STATUS =====	INSPECTION LIMITED =====	GEO. REF. =====	COMMENTS =====
C02.021.005	ISGB-SB-02	11/17/93	CLR	-	N	_____
C02.021.005A	ISGB-SB-02	11/18/93	CLR	-	N	_____
C02.021.051	IACCB-02-13	11/30/93	REC	-	Y	_____
C02.021.051A	IACCB-02-13	11/30/93	CLR	-	N	_____
C02.022.004	ISGB-SB-02	11/17/93	CLR	-	N	_____

PROGRAM: NISIRUND-QAISI04  
FILE: C007133  
PLANT: CATAHBA UNIT 1  
KEY: ITEM NUMBER C03

DUKE POWER COMPANY  
QUALITY ASSURANCE DEPARTMENT  
PRE-SERVICE AND IN-SERVICE INSPECTION SYSTEM  
CATAHBA 1 OUTAGE 7 INSERVICE INSPECTION RESULTS

PAGE 27  
DATE 03/10/94

ITEM NUMBER =====	ID NUMBER =====	INSPECTION DATE =====	INSPECTION STATUS =====	INSPECTION LIMITED =====	GEO. REF. =====	COMMENTS =====
C03.020.011	1-R-ND-0165	10/07/93	CLR	-	N	_____
C03.020.021	1-R-NI-1195	12/07/93	CLR	-	N	_____

PROGRAM: NISIRUND-QAISI04  
FILE: C007133  
PLANT: CATAMBA UNIT 1  
KEY: ITEM NUMBER C05

DUKE POWER COMPANY  
QUALITY ASSURANCE DEPARTMENT  
PRE-SERVICE AND IN-SERVICE INSPECTION SYSTEM  
CATAMBA 1 OUTAGE 7 INSERVICE INSPECTION RESULTS

PAGE 28  
DATE 03/10/94

ITEM NUMBER	ID NUMBER	INSPECTION DATE	INSPECTION STATUS	INSPECTION LIMITED	GEO. REF.	COMMENTS
C05.011.018	ICA68-06	11/16/93	CLR	-	N	_____
C05.011.019	ICA -14	11/18/93	CLR	-	N	_____
C05.011.020	ICA68-04	11/16/93	CLR	-	N	_____
C05.011.021	ICA68-05	11/16/93	CLR	-	N	_____
C05.011.022	ICA68-13	11/18/93	CLR	-	N	_____
C05.011.188	IND11-03	11/04/93	CLR	-	N	_____
C05.011.189	IND11-04	11/04/93	CLR	-	N	_____
C05.011.190	IND12-05	11/04/93	CLR	-	N	_____
C05.011.191	IND12-06	11/04/93	CLR	-	N	_____
C05.011.192	IND12-03	11/04/93	CLR	-	N	_____
C05.011.193	IND12-04	11/04/93	CLR	-	N	_____
C05.011.194	IND12-07	11/04/93	CLR	-	N	_____
C05.011.195	IND12-08	10/13/93	CLR	-	N	_____
C05.011.196	IND13-01	10/04/93	CLR	-	N	_____
C05.011.197	IND13-05	10/07/93	CLR	-	N	_____

PROGRAM: NISIRUND-QAISI04  
 FILE: C007133  
 PLANT: CATAMBA UNIT 1  
 KEY: ITEM NUMBER C05

DUKE POWER COMPANY  
 QUALITY ASSURANCE DEPARTMENT  
 PRE-SERVICE AND IN-SERVICE INSPECTION SYSTEM  
 CATAMBA 1 OUTAGE 7 INSERVICE INSPECTION RESULTS

PAGE 29  
 DATE 03/10/94

ITEM NUMBER	ID NUMBER	INSPECTION DATE	INSPECTION STATUS	INSPECTION LIMITED	GEQ. REF.	COMMENTS
C05.011.198	IND13-11	10/07/93	CLR	-	N	
C05.011.213	IND19-01	11/04/93	CLR	-	N	
C05.011.214	IND19-05	11/04/93	CLR	-	N	
C05.011.215	IND19-06	11/04/93	CLR	-	N	
C05.011.216	IND19-07	11/04/93	CLR	-	N	
C05.011.217	IND19-08	11/04/93	CLR	-	N	
C05.011.218	IND20-05	11/04/93	CLR	-	N	
C05.011.219	IND20-06	11/04/93	CLR	-	N	
C05.011.220	IND20-07	11/04/93	CLR	-	N	
C05.011.221	IND20-08	11/04/93	CLR	-	N	
C05.011.258	IND58-09	11/04/93	CLR	-	N	
C05.011.259	IND58-10	11/04/93	CLR	-	N	
C05.011.260	IND59-11	11/04/93	CLR	-	N	
C05.011.261	IND59-12	11/04/93	CLR	-	N	
C05.011.262	IND60-04	11/04/93	CLR	-	N	

PROGRAM: NISIRUND-QAISI04  
 FILE: C007133  
 PLANT: CATAWBA UNIT 1  
 KEY: ITEM NUMBER C05

DUKE POWER COMPANY  
 QUALITY ASSURANCE DEPARTMENT  
 PRE-SERVICE AND IN-SERVICE INSPECTION SYSTEM  
 CATAWBA 1 OUTAGE 7 INSERVICE INSPECTION RESULTS

PAGE 30  
 DATE 03/10/94

ITEM NUMBER =====	ID NUMBER =====	INSPECTION DATE =====	INSPECTION STATUS =====	INSPECTION LIMITED =====	GEOR. REF. =====	COMMENTS =====
C05.011.263	IND60-09	11/04/93	CLR	-	N	_____
C05.011.264	IND60-10	11/04/93	CLR	-	N	_____
C05.011.265	IND64-01	11/04/93	CLR	-	N	_____
C05.011.266	IND64-15	11/04/93	CLR	-	N	_____
C05.011.267	IND64-16	11/04/93	CLR	-	N	_____
C05.011.300	INI17-01	12/09/93	CLR	-	N	_____
C05.011.301	INI17-06	11/30/93	CLR	-	N	_____
C05.011.302	INI19-04	12/07/93	CLR	-	N	_____
C05.011.303	INI19-06	12/07/93	CLR	-	N	_____
C05.011.332	IACCA-13-14	12/07/93	CLR	-	N	_____
C05.011.333	IACCB-13-14	11/30/93	CLR	-	N	_____
C05.011.334	IACCC-13-14	12/07/93	CLR	-	N	_____
C05.011.335	IACCD-13-14	12/07/93	CLR	-	N	_____
C05.011.350	ISA1-01	11/30/93	CLR	-	N	_____
C05.011.351	ISA1-04	11/30/93	CLR	-	N	_____

PROGRAM: NISIRUND-QAISI04  
 FILE: C007133  
 PLANT: CATAWBA UNIT 1  
 KEY: ITEM NUMBER C05

DUKE POWER COMPANY  
 QUALITY ASSURANCE DEPARTMENT  
 PRE-SERVICE AND IN-SERVICE INSPECTION SYSTEM  
 CATAWBA 1 OUTAGE 7 INSERVICE INSPECTION RESULTS

PAGE 31  
 DATE 03/10/94

ITEM NUMBER =====	ID NUMBER =====	INSPECTION DATE =====	INSPECTION STATUS =====	INSPECTION LIMITED =====	GEO. REF. =====	COMMENTS =====
C05.011.352	ISA1-11	11/30/93	CLR	-	N	_____
C05.011.353	ISA1-14	11/30/93	CLR	-	N	_____
C05.011.354	ISA1-16	11/30/93	CLR	-	N	_____
C05.011.355	ISA1-21	11/30/93	CLR	-	N	_____
C05.012.027	IND11-03L	11/04/93	CLR	-	N	_____
C05.012.028	IND12-05L	11/04/93	CLR	-	N	_____
C05.012.029	IND12-03L	11/04/93	CLR	-	N	_____
C05.012.030	IND12-07L	10/13/93	CLR	-	N	_____
C05.012.031	IND13-05L	10/07/93	CLR	-	N	_____
C05.012.032	IND13-11L	10/07/93	CLR	-	N	_____
C05.012.039	IND19-05L	11/04/93	CLR	-	N	_____
C05.012.040	IND19-07L	11/04/93	CLR	-	N	_____
C05.012.041	IND20-05L	11/04/93	CLR	-	N	_____
C05.012.042	IND20-07L	11/04/93	CLR	-	N	_____
C05.012.063	IND58-09L	11/04/93	CLR	-	N	_____

PROGRAM: NISIRUND-QAISI04  
 FILE: C007133  
 PLANT: CATAWBA UNIT 1  
 KEY: ITEM NUMBER C05

DUKE POWER COMPANY  
 QUALITY ASSURANCE DEPARTMENT  
 PRE-SERVICE AND IN-SERVICE INSPECTION SYSTEM  
 CATAWBA 1 OUTAGE 7 INSERVICE INSPECTION RESULTS

PAGE 32  
 DATE 03/10/94

ITEM NUMBER =====	ID NUMBER =====	INSPECTION DATE =====	INSPECTION STATUS =====	INSPECTION LIMITED =====	GEO. REF. =====	COMMENTS =====
C05.012.064	IND59-12L	11/04/93	CLR	-	N	_____
C05.012.065	IND60-09L	11/04/93	CLR	-	N	_____
C05.012.066	IND64-01L	11/04/93	CLR	-	N	_____
C05.021.002	1CA68-01	11/17/93	CLR	-	Y	_____
C05.021.002A	1CA68-01	11/16/93	CLR	-	N	_____
C05.021.060	1CF34-03	12/02/93	CLR	-	Y	_____
C05.021.060A	1CF34-03	12/02/93	CLR	-	N	_____
C05.021.061	1CF34-04	12/02/93	CLR	-	Y	_____
C05.021.061A	1CF34-04	12/02/93	CLR	-	N	_____
C05.021.062	1CF17-01	11/18/93	REC	-	Y	_____
C05.021.062A	1CF17-01	11/18/93	CLR	-	N	_____
C05.021.151	IND3-06	12/06/93	CLR	-	Y	_____
C05.021.151A	IND3-06	12/09/93	CLR	-	N	_____
C05.021.152	IND39-12	11/24/93	CLR	L	Y	_____
C05.021.152A	IND39-12	11/24/93	CLR	-	N	_____



PROGRAM: NISIRUND-QAISI04  
FILE: C007133  
PLANT: CATAWBA UNIT 1  
KEY: ITEM NUMBER C05

DUKE POWER COMPANY  
QUALITY ASSURANCE DEPARTMENT  
PRE-SERVICE AND IN-SERVICE INSPECTION SYSTEM  
CATAWBA 1 OUTAGE 7 INSERVICE INSPECTION RESULTS

PAGE 33  
DATE 03/10/94

ITEM NUMBER =====	ID NUMBER =====	INSPECTION DATE =====	INSPECTION STATUS =====	INSPECTION LIMITED =====	GEØ. REF. =====	COMMENTS =====
C05.021.236	INI179-04	11/24/93	CLR	-	Y	_____
C05.021.236A	INI179-04	11/24/93	CLR	-	N	_____
C05.022.002	IND3-06L	12/06/93	CLR	-	N	_____
C05.022.002A	IND3-06L	12/09/93	CLR	-	N	_____

PROGRAM: NISIRUND-QAISI04  
FILE: C007133  
PLANT: CATAHBA UNIT 1  
KEY: ITEM NUMBER 002

DUKE POWER COMPANY  
QUALITY ASSURANCE DEPARTMENT  
PRE-SERVICE AND IN-SERVICE INSPECTION SYSTEM  
CATAHBA 1 OUTAGE 7 INSERVICE INSPECTION RESULTS

PAGE 34  
DATE 03/10/94

ITEM NUMBER =====	ID NUMBER =====	INSPECTION DATE =====	INSPECTION STATUS =====	INSPECTION LIMITED =====	GEN. REF. =====	COMMENTS =====
002.020.003	1-R-CA-0185	10/19/93	CLR	-	N	_____
002.020.022	1-R-KD-0057	11/03/93	CLR	-	N	_____
002.020.062	1-R-LD-0053	10/11/93	CLR	-	N	_____
002.020.099	1-R-RN-0611	11/03/93	CLR	-	N	_____
002.020.100	1-R-RN-0629	11/03/93	CLR	-	N	_____

PROGRAM: NISIRUND-QAISI04  
 FILE: C007133  
 PLANT: CATAWBA UNIT 1  
 KEY: ITEM NUMBER F1.

DUKE POWER COMPANY  
 QUALITY ASSURANCE DEPARTMENT  
 PRE-SERVICE AND IN-SERVICE INSPECTION SYSTEM  
 CATAWBA 1 OUTAGE 7 INSERVICE INSPECTION RESULTS

PAGE 35  
 DATE 03/10/94

ITEM NUMBER =====	ID NUMBER =====	INSPECTION DATE =====	INSPECTION STATUS =====	INSPECTION LIMITED =====	GEN. REF. =====	COMMENTS =====
F1.01.103	1-R-NC-1535	11/18/93	CLR	-	N	_____
F1.01.104	1-R-NC-1536	11/18/93	CLR	-	N	_____
F1.01.192	1-R-NC-2322	11/04/93	CLR	-	N	_____
F1.01.478	1-R-NI-1452	11/04/93	CLR	-	N	_____
F1.01.479	1-R-NI-1453	11/04/93	CLR	-	N	_____
F1.01.480	1-R-NI-1454	11/04/93	REC	-	N	_____
F1.01.481	1-R-NI-1455	11/04/93	CLR	-	N	_____
F1.01.482	1-R-NI-1456	11/16/93	CLR	-	N	_____
F1.01.483	1-R-NI-1458	11/04/93	CLR	-	N	_____
F1.01.484	1-R-NI-2286	11/27/93	CLR	-	N	_____
F1.01.485	1-R-NI-1461	11/27/93	CLR	-	N	_____
F1.01.486	1-R-NI-1462	11/18/93	CLR	-	N	_____
F1.01.487	1-R-NI-1464	11/18/93	CLR	-	N	_____
F1.01.488	1-R-NI-1465	11/18/93	CLR	-	N	_____
F1.01.489	1-R-NI-1466	11/18/93	CLR	-	N	_____

PROGRAM: NISIRUND-QAISI04  
 FILE: C007133  
 PLANT: CATAWBA UNIT 1  
 KEY: ITEM NUMBER F1.

DUKE POWER COMPANY  
 QUALITY ASSURANCE DEPARTMENT  
 PRE-SERVICE AND IN-SERVICE INSPECTION SYSTEM  
 CATAWBA 1 OUTAGE 7 INSERVICE INSPECTION RESULTS

PAGE 36  
 DATE 03/10/94

ITEM NUMBER =====	ID NUMBER =====	INSPECTION DATE =====	INSPECTION STATUS =====	INSPECTION LIMITED =====	GEO. REF. =====	COMMENTS =====
F1.01.490	1-R-NI-1467	11/19/93	CLR	-	N	_____
F1.01.491	1-R-NI-1390	11/04/93	CLR	-	N	_____
F1.01.492	1-R-NI-2233	11/05/93	CLR	-	N	_____
F1.01.493	1-R-NI-2234	11/05/93	CLR	-	N	_____
F1.01.494	1-R-NI-2235	11/05/93	CLR	-	N	_____
F1.01.495	1-R-NI-2236	11/05/93	CLR	-	N	_____
F1.01.496	1-R-NI-2237	11/05/93	CLR	-	N	_____
F1.01.497	1-R-NI-2238	11/17/93	CLR	-	N	_____
F1.01.499	1-R-NI-2220	11/18/93	CLR	-	N	_____
F1.01.501	1-R-NI-2223	11/04/93	CLR	-	N	_____
F1.01.502	1-R-NI-2224	11/04/93	CLR	-	N	_____
F1.01.503	1-R-NI-2232	11/04/93	CLR	-	N	_____
F1.01.504	1-R-NI-2240	11/18/93	CLR	-	N	_____
F1.01.505	1-R-NI-2250	11/04/93	CLR	-	N	_____
F1.01.506	1-R-NI-2251	11/04/93	CLR	-	N	_____

PROGRAM: NISIRUND-QAISI04  
 FILE: C007133  
 PLANT: CATAWBA UNIT 1  
 KEY: ITEM NUMBER F1.

DUKE POWER COMPANY  
 QUALITY ASSURANCE DEPARTMENT  
 PRE-SERVICE AND IN-SERVICE INSPECTION SYSTEM  
 CATAWBA 1 OUTAGE 7 INSERVICE INSPECTION RESULTS

PAGE 37  
 DATE 03/10/94

ITEM NUMBER =====	ID NUMBER =====	INSPECTION DATE =====	INSPECTION STATUS =====	INSPECTION LIMITED =====	GEØ. REF. =====	COMMENTS =====
F1.01.514	1-R-NI-2191	11/05/93	CLR	-	N	_____
F1.01.515	1-R-NI-2192	11/05/93	CLR	-	N	_____
F1.01.516	1-R-NI-2193	11/05/93	CLR	-	N	_____
F1.01.517	1-R-NI-2194	11/05/93	CLR	-	N	_____
F1.01.518	1-R-NI-2195	11/05/93	CLR	-	N	_____
F1.01.519	1-R-NI-2196	11/05/93	CLR	-	N	_____
F1.01.520	1-R-NI-2197	11/05/93	CLR	-	N	_____
F1.01.521	1-R-NI-2198	11/05/93	CLR	-	N	_____
F1.01.522	1-R-NI-2199	11/05/93	CLR	-	N	_____
F1.01.523	1-R-NI-2206	11/05/93	CLR	-	N	_____
F1.01.524	1-R-NI-2207	11/05/93	CLR	-	N	_____
F1.01.618	1-R-NV-1501	11/18/93	CLR	-	N	_____
F1.01.619	1-R-NV-1502	11/18/93	CLR	-	N	_____
F1.01.620	1-R-NV-1503	11/18/93	CLR	-	N	_____
F1.01.621	1-R-NV-1504	11/18/93	CLR	-	N	_____

PROGRAM: NISIRUND-QAISI04  
 FILE: C007133  
 PLANT: CATAWBA UNIT 1  
 KEY: ITEM NUMBER F1.

DUKE POWER COMPANY  
 QUALITY ASSURANCE DEPARTMENT  
 PRE-SERVICE AND IN-SERVICE INSPECTION SYSTEM  
 CATAWBA 1 OUTAGE 7 INSERVICE INSPECTION RESULTS

PAGE 38  
 DATE 03/10/94

ITEM NUMBER =====	ID NUMBER =====	INSPECTION DATE =====	INSPECTION STATUS =====	INSPECTION LIMITED =====	GEO. REF. =====	COMMENTS =====
F1.01.622	1-R-NV-1505	11/18/93	CLR	-	N	_____
F1.01.623	1-R-NV-1506	11/18/93	CLR	-	N	_____
F1.01.624	1-R-NV-1507	12/13/93	CLR	-	N	_____
F1.01.625	1-R-NV-1508	11/18/93	CLR	-	N	_____
F1.01.626	1-R-NV-1466	12/03/93	CLR	-	N	_____
F1.01.627	1-R-NV-1467	12/03/93	CLR	-	N	_____
F1.01.628	1-R-NV-1468	12/03/93	CLR	-	N	_____
F1.01.629	1-R-NV-1469	12/03/93	CLR	-	N	_____
F1.01.630	1-R-NV-1470	12/03/93	CLR	-	N	_____
F1.01.631	1-R-NV-1471	12/03/93	CLR	-	N	_____
F1.01.632	1-R-NV-1472	12/03/93	CLR	-	N	_____
F1.01.633	1-R-NV-1473	12/03/93	CLR	-	N	_____
F1.01.634	1-R-NV-1474	12/03/93	CLR	-	N	_____
F1.01.642	1-R-NV-1446	12/03/93	CLR	-	N	_____
F1.01.643	1-R-NV-1447	12/03/93	CLR	-	N	_____

PROGRAM: NISIRUND-QAISI04  
 FILE: C007133  
 PLANT: CATAWBA UNIT 1  
 KEY: ITEM NUMBER F1.

DUKE POWER COMPANY  
 QUALITY ASSURANCE DEPARTMENT  
 PRE-SERVICE AND IN-SERVICE INSPECTION SYSTEM  
 CATAWBA 1 OUTAGE 7 INSERVICE INSPECTION RESULTS

PAGE 39  
 DATE 03/10/94

ITEM NUMBER =====	ID NUMBER =====	INSPECTION DATE =====	INSPECTION STATUS =====	INSPECTION LIMITED =====	GEQ. REF. =====	COMMENTS =====
F1.01.644	1-R-NV-1448	12/03/93	CLR	-	N	_____
F1.01.645	1-R-NV-1452	12/18/93	CLR	-	N	_____
F1.01.705	1SGA-COLUMNS	12/18/93	CLR	-	N	_____
F1.01.706	1SGD-SUPPORT	12/18/93	CLR	-	N	_____
F1.01.707	1RCPB-COLUMNS	12/18/93	CLR	-	N	_____
F1.01.708	1RCPC-SUPPORT	12/18/93	CLR	-	N	_____
F1.02.056	1-R-CA-1650	10/28/93	CLR	-	N	_____
F1.02.057	1-R-CA-1651	10/26/93	CLR	-	N	_____
F1.02.059	1-R-CA-1653	10/28/93	CLR	-	N	_____
F1.02.060	1-R-CA-1654	10/28/93	CLR	-	N	_____
F1.02.062	1-R-CA-1656	10/28/93	CLR	-	N	_____
F1.02.063	1-R-CA-1587	10/28/93	CLR	-	N	_____
F1.02.064	1-R-CA-1589	10/28/93	CLR	-	N	_____
F1.02.065	1-R-CA-1590	10/26/93	CLR	-	N	_____
F1.02.066	1-R-CA-1591	10/28/93	CLR	-	N	_____

PROGRAM: NISIRUND-QAISI04  
 FILE: C007133  
 PLANT: CATAMBA UNIT 1  
 KEY: ITEM NUMBER F1.

DUKE POWER COMPANY  
 QUALITY ASSURANCE DEPARTMENT  
 PRE-SERVICE AND IN-SERVICE INSPECTION SYSTEM  
 CATAMBA 1 OUTAGE 7 INSERVICE INSPECTION RESULTS

PAGE 40  
 DATE 03/10/94

ITEM NUMBER =====	ID NUMBER =====	INSPECTION DATE =====	INSPECTION STATUS =====	INSPECT / LIMITED =====	GEQ. REF. =====	COMMENTS =====
F1.02.067	1-R-CA-1592	10/28/93	CLR	-	N	_____
F1.02.069	1-R-CA-1595	10/28/93	CLR	-	N	_____
F1.02.070	1-R-CA-1596	12/01/93	CLR	-	F	_____
F1.02.071	1-R-CA-1597	12/01/93	CLR	-	N	_____
F1.02.072	1-R-CA-1598	12/01/93	CLR	-	N	_____
F1.02.075	1-R-CA-1673	10/26/93	CLR	-	N	_____
F1.02.077	1-R-CA-1675	10/26/93	CLR	-	N	_____
F1.02.078	1-R-CA-1676	10/26/93	CLR	-	N	_____
F1.02.165	1-R-CF-1518	10/26/93	CLR	-	N	_____
F1.02.166	1-R-CF-1519	10/26/93	CLR	-	N	_____
F1.02.167	1-R-CF-1520	10/26/93	CLR	-	N	_____
F1.02.168	1-R-CF-1521	10/26/93	CLR	-	N	_____
F1.02.174	1-R-CF-1500	10/26/93	CLR	-	N	_____
F1.02.175	1-R-CF-1501	10/26/93	CLR	-	N	_____
F1.02.176	1-R-CF-1502	10/26/93	CLR	-	N	_____



PROGRAM: NISIRUND-QAISI04  
 FILE: C007133  
 PLANT: CATANBA UNIT 1  
 KEY: ITEM NUMBER F1.

DUKE POWER COMPANY  
 QUALITY ASSURANCE DEPARTMENT  
 PRE-SERVICE AND IN-SERVICE INSPECTION SYSTEM  
 CATANBA 1 OUTAGE 7 INSERVICE INSPECTION RESULTS

PAGE 41  
 DATE 03/10/94

ITEM NUMBER =====	ID NUMBER =====	INSPECTION DATE =====	INSPECTION STATUS =====	INSPECTION LIMITED =====	GEO. REF. =====	COMMENTS =====
F1.02.177	1-R-CF-1503	10/26/93	CLR	-	N	_____
F1.02.468	1-R-ND-0127	10/21/93	CLR	-	N	_____
F1.02.470	1-R-ND-0129	10/21/93	CLR	-	N	_____
F1.02.471	1-R-ND-0130	10/21/93	CLR	-	N	_____
F1.02.472	1-R-ND-0131	10/21/93	CLR	-	N	_____
F1.02.473	1-R-ND-0188	10/21/93	CLR	-	N	_____
F1.02.476	1-R-ND-0523	10/21/93	CLR	-	N	_____
F1.02.477	1-R-ND-0607	10/11/93	CLR	-	N	_____
F1.02.478	1-R-ND-0608	10/11/93	CLR	-	N	_____
F1.02.479	1-R-ND-0609	10/11/93	CLR	-	N	_____
F1.02.480	1-R-ND-0610	10/11/93	CLR	-	N	_____
F1.02.481	1-R-ND-0611	10/11/93	CLR	-	N	_____
F1.02.482	1-R-ND-0612	10/11/93	CLR	-	N	_____
F1.02.483	1-R-ND-0621	10/11/93	CLR	-	N	_____
F1.02.484	1-R-ND-0626	10/11/93	CLR	-	N	_____

PROGRAM: NISIRUND-QAISI04  
 FILE: C007133  
 PLANT: CATAWBA UNIT 1  
 KEY: ITEM NUMBER F1.

DUKE POWER COMPANY  
 QUALITY ASSURANCE DEPARTMENT  
 PRE-SERVICE AND IN-SERVICE INSPECTION SYSTEM  
 CATAWBA 1 OUTAGE 7 INSERVICE INSPECTION RESULTS

PAGE 42  
 DATE 03/10/94

ITEM NUMBER =====	ID NUMBER =====	INSPECTION DATE =====	INSPECTION STATUS =====	INSPECTION LIMITED =====	GEO. REF. =====	COMMENTS =====
F1.02.485	1-R-ND-0123	10/11/93	CLR	-	N	_____
F1.02.486	1-R-ND-0125	10/26/93	CLR	-	N	_____
F1.02.487	1-R-ND-0126	10/11/93	CLR	-	N	_____
F1.02.488	1-R-ND-0186	10/11/93	CLR	-	N	_____
F1.02.489	1-R-ND-0187	10/11/93	CLR	-	N	_____
F1.02.491	1-R-ND-0163	10/11/93	CLR	-	N	_____
F1.02.493	1-R-ND-0267	10/11/93	CLR	-	N	_____
F1.02.494	1-R-ND-0630	10/11/93	CLR	-	N	_____
F1.02.496	1-R-ND-0157	10/19/93	CLR	-	N	_____
F1.02.497	1-R-ND-0168	10/19/93	CLR	-	N	_____
F1.02.498	1-R-ND-0169	10/19/93	CLR	-	N	_____
F1.02.499	1-R-ND-0170	10/19/93	CLR	-	N	_____
F1.02.500	1-R-ND-0171	10/19/93	CLR	-	N	_____
F1.02.501	1-R-ND-0172	10/19/93	CLR	-	N	_____
F1.02.502	1-R-ND-0173	10/19/93	CLR	-	N	_____

PROGRAM: NISIRUND-QAISI04  
 FILE: CC07133  
 PLANT: CATAWBA UNIT 1  
 KEY: ITEM NUMBER F1.

DUKE POWER COMPANY  
 QUALITY ASSURANCE DEPARTMENT  
 PRE-SERVICE AND IN-SERVICE INSPECTION SYSTEM  
 CATAWBA 1 COTAGE 7 INSERVICE INSPECTION RESULTS

PAGE 43  
 DATE 03/10/94

ITEM NUMBER =====	ID NUMBER =====	INSPECTION DATE =====	INSPECTION STATUS =====	INSPECTION LIMITED =====	GEO. REF. =====	COMMENTS =====
F1.02.605	1-R-NI-0336	11/16/93	CLR	-	N	_____
F1.02.606	1-R-NI-2271	11/27/93	CLR	-	N	_____
F1.02.607	1-R-NI-2272	11/27/93	CLR	-	N	_____
F1.02.608	1-R-NI-2273	11/27/93	CLR	-	N	_____
F1.02.609	1-R-NI-2274	11/27/93	CLR	-	N	_____
F1.02.610	1-R-NI-2275	11/27/93	CLR	-	N	_____
F1.02.611	1-R-NI-2278	11/27/93	CLR	-	N	_____
F1.02.682	1-R-NI-1501	10/13/93	CLR	-	N	_____
F1.02.683	1-R-NI-1502	10/13/93	CLR	-	N	_____
F1.02.686	1-R-NI-1516	10/13/93	CLR	-	N	_____
F1.02.780	1-R-SA-0010	10/18/93	CLR	-	N	_____
F1.02.781	1-R-SA-0011	10/18/93	CLR	-	N	_____
F1.02.782	1-R-SA-0012	10/18/93	CLR	-	N	_____
F1.02.783	1-R-SA-0013	10/18/93	CLR	-	N	_____
F1.02.784	1-R-SA-0014	10/18/93	CLR	-	N	_____

PROGRAM: NISIRUND-QAISI04  
 FILE: C007133  
 PLANT: CATAWBA UNIT 1  
 KEY: ITEM NUMBER F1.

DUKE POWER COMPANY  
 QUALITY ASSURANCE DEPARTMENT  
 PRE-SERVICE AND IN-SERVICE INSPECTION SYSTEM  
 CATAWBA 1 OUTAGE 7 INSERVICE INSPECTION RESULTS

PAGE 44  
 DATE 03/10/94

ITEM NUMBER =====	ID NUMBER =====	INSPECTION DATE =====	INSPECTION STATUS =====	INSPECTION LIMITED =====	GEO. REF. =====	COMMENTS =====
F1.02.785	1-R-SA-0015	10/18/93	CLR	-	N	_____
F1.02.786	1-R-SA-0016	10/18/93	CLR	-	N	_____
F1.02.787	1-R-SA-0017	10/18/93	CLR	-	N	_____
F1.02.788	1-R-SA-0018	10/18/93	CLR	-	N	_____
F1.02.789	1-R-SA-0019	10/18/93	CLR	-	N	_____
F1.02.790	1-R-SA-0020	10/18/93	CLR	-	N	_____
F1.02.791	1-R-SA-0022	10/18/93	CLR	-	N	_____
F1.02.792	1-R-SA-0027	10/18/93	CLR	-	N	_____
F1.02.793	1-R-SA-0029	10/20/93	REC	-	N	_____
F1.02.794	1-R-SA-0061	10/18/93	CLR	-	N	_____
F1.02.869	1-R-SM-1000	12/08/93	CLR	-	N	_____
F1.02.870	1-R-SM-1001	12/08/93	CLR	-	N	_____
F1.02.871	1-R-SM-1002	12/08/93	CLR	-	N	_____
F1.02.872	1-R-SM-1003	12/08/93	CLR	-	N	_____
F1.02.873	1-R-SM-1004	12/08/93	CLR	-	N	_____

PROGRAM: NISIRUND-QAISI04  
FILE: C007133  
PLANT: CATAWBA UNIT 1  
KEY: ITEM NUMBER F1.

DUKE POWER COMPANY  
QUALITY ASSURANCE DEPARTMENT  
PRE-SERVICE AND IN-SERVICE INSPECTION SYSTEM  
CATAWBA 1 OUTAGE 7 INSERVICE INSPECTION RESULTS

PAGE 45  
DATE 03/10/94

ITEM NUMBER =====	ID NUMBER =====	INSPECTION DATE =====	INSPECTION STATUS =====	INSPECTION LIMITED =====	GEO. REF. =====	COMMENTS =====
F1.02.874	1-R-SM-1005	12/08/93	CLR	-	N	_____
F1.02.875	1-R-SM-1006	12/08/93	CLR	-	N	_____
F1.02.876	1-R-SM-1007	12/08/93	CLR	-	N	_____
F1.02.877	1-R-SM-1008	12/08/93	CLR	-	N	_____
F1.02.878	1-R-SM-1009	12/08/93	CLR	-	N	_____
F1.02.879	1-R-SM-1536	10/26/93	CLR	-	N	_____
F1.02.880	1-R-SM-1537	10/26/93	CLR	-	N	_____
F1.02.881	1-R-SM-1538	10/26/93	CLR	-	N	_____
F1.02.882	1-R-SM-1539	10/26/93	CLR	-	N	_____
F1.02.883	1-R-SM-1540	10/26/93	CLR	-	N	_____
F1.02.884	1-R-SM-1541	10/26/93	CLR	-	N	_____
F1.02.885	1-R-SM-1542	10/26/93	CLR	-	N	_____
F1.02.886	1-R-SM-1543	10/26/93	CLR	-	N	_____
F1.02.887	1-R-SM-1544	10/26/93	CLR	-	N	_____
F1.02.888	1-R-SM-1545	10/26/93	CLR	-	N	_____

PROGRAM: NISIRUND-QAISI04  
 FILE: C007133  
 PLANT: CATAWBA UNIT 1  
 KEY: ITEM NUMBER F1.

DUKE POWER COMPANY  
 QUALITY ASSURANCE DEPARTMENT  
 PRE-SERVICE AND IN-SERVICE INSPECTION SYSTEM  
 CATAWBA 1 OUTAGE 7 INSERVICE INSPECTION RESULTS

PAGE 46  
 DATE 03/10/94

ITEM NUMBER =====	ID NUMBER =====	INSPECTION DATE =====	INSPECTION STATUS =====	INSPECTION LIMITED =====	GEO. REF. =====	COMMENTS =====
F1.02.890	1-R-SM-1548	10/26/93	CLR	-	N	_____
F1.02.891	1-R-SM-1549	10/26/93	CLR	-	N	_____
F1.02.951	1-R-SV-1514	12/01/93	REC	-	N	_____
F1.02.952	1-R-SV-1515	12/01/93	REC	-	N	_____
F1.02.953	1-R-SV-1516	12/01/93	REC	-	N	_____
F1.02.954	1-R-SV-1517	12/01/93	CLR	-	N	_____
F1.02.955	1-R-SV-1519	12/01/93	CLR	-	N	_____
F1.02.956	1-R-SV-1612	11/10/93	CLR	-	N	_____
F1.02.957	1-R-SV-1620	12/05/93	REC	-	N	_____
F1.02.959	1-R-SV-1645	12/05/93	CLR	-	N	_____
F1.02.977	1-R-SV-1522	11/10/93	CLR	-	N	_____
F1.02.979	1-R-SV-1524	12/05/93	CLR	-	N	_____
F1.02.980	1-R-SV-1526	11/10/93	CLR	-	N	_____
F1.02.981	1-R-SV-1608	11/10/93	CLR	-	N	_____
F1.02.982	1-R-SV-1623	11/10/93	CLR	-	N	_____

PROGRAM: MISIRUND-QAISI04  
 FILE: C007133  
 PLANT: CATAWBA UNIT 1  
 KEY: ITEM NUMBER F1.

DUKE POWER COMPANY  
 QUALITY ASSURANCE DEPARTMENT  
 PRE-SERVICE AND IN-SERVICE INSPECTION SYSTEM  
 CATAWBA 1 OUTAGE 7 INSERVICE INSPECTION RESULTS

PAGE 47  
 DATE 03/10/96

ITEM NUMBER =====	ID NUMBER =====	INSPECTION DATE =====	INSPECTION STATUS =====	INSPECTION LIMITED =====	GEØ. REF. =====	COMMENTS =====
F1.02.990	1ACCA-SKIRT	12/05/93	CLR	-	N	_____
F1.03.157	1-R-CA-0179	10/20/93	CLR	-	N	_____
F1.03.159	1-R-CA-0182	10/19/93	CLR	-	N	_____
F1.03.160	1-R-CA-0220	10/19/93	CLR	-	N	_____
F1.03.161	1-R-CA-0153	10/21/93	CLR	-	N	_____
F1.03.162	1-R-CA-0154	10/21/93	CLR	-	N	_____
F1.03.163	1-R-CA-0155	10/21/93	CLR	-	N	_____
F1.03.164	1-R-CA-0156	10/11/93	CLR	-	N	_____
F1.03.165	1-R-CA-0170	10/21/93	CLR	-	N	_____
F1.03.166	1-R-CA-0171	10/11/93	CLR	-	N	_____
F1.03.167	1-R-CA-0183	10/19/93	CLR	-	N	_____
F1.03.168	1-R-CA-0185	10/19/93	CLR	-	N	_____
F1.03.169	1-R-CA-0187	10/19/93	CLR	-	N	_____
F1.03.170	1-R-CA-0188	10/19/93	CLR	-	N	_____
F1.03.171	1-R-CA-0221	10/19/93	CLR	-	N	_____

PROGRAM: NISIRUND-QAISI04  
FILE: CC07133  
PLANT: CATAMBA UNIT 1  
KEY: ITEM NUMBER F1.

DUKE POWER COMPANY  
QUALITY ASSURANCE DEPARTMENT  
PRE-SERVICE AND IN-SERVICE INSPECTION SYSTEM  
CATAMBA 1 OUTAGE 7 INSERVICE INSPECTION RESULTS

PAGE 48  
DATE 03/10/94

ITEM NUMBER	ID NUMBER	INSPECTION DATE	INSPECTION STATUS	INSPECTION LIMITED	GEO. REF.	COMMENTS
F1.03.172	1-R-CA-0274	10/19/93	CLR	-	N	_____
F1.03.173	1-R-CA-0275	10/19/93	CLR	-	N	_____
F1.03.174	1-R-CA-0276	10/21/93	CLR	-	N	_____
F1.03.175	1-R-CA-0257	10/20/93	CLR	-	N	_____
F1.03.176	1-R-CA-0258	10/20/93	CLR	-	N	_____
F1.03.177	1-R-CA-0259	10/20/93	CLR	-	N	_____
F1.03.178	1-R-CA-0260	10/20/93	CLR	-	N	_____
F1.03.179	1-R-CA-0300	10/20/93	CLR	-	N	_____
F1.03.180	1-R-CA-0244	10/19/93	CLR	-	N	_____
F1.03.181	1-R-CA-0245	10/19/93	CLR	-	N	_____
F1.03.182	1-R-CA-0246	10/19/93	CLR	-	N	_____
F1.03.183	1-R-CA-0247	10/20/93	CLR	-	N	_____
F1.03.184	1-R-CA-0248	10/19/93	CLR	-	N	_____
F1.03.185	1-R-CA-0249	10/19/93	CLR	-	N	_____
F1.03.186	1-R-CA-0250	10/20/93	CLR	-	N	_____



PROGRAM: NISIRUND-QAISI04  
FILE: C007133  
PLANT: CATAWBA UNIT 1  
KEY: ITEM NUMBER F1.

DUKE POWER COMPANY  
QUALITY ASSURANCE DEPARTMENT  
PRE-SERVICE AND IN-SERVICE INSPECTION SYSTEM  
CATAWBA 1 OUTAGE 7 INSERVICE INSPECTION RESULTS

PAGE 49  
DATE 03/10/94

ITEM NUMBER =====	ID NUMBER =====	INSPECTION DATE =====	INSPECTION STATUS =====	INSPECTION LIMITED =====	GEO. REF. =====	COMMENTS =====
F1.03.187	1-R-CA-0251	10/20/93	CLR	-	N	_____
F1.03.188	1-R-CA-0254	10/20/93	CLR	-	N	_____
F1.03.189	1-R-CA-0255	10/20/93	CLR	-	N	_____
F1.03.190	1-R-CA-0256	10/20/93	CLR	-	N	_____
F1.03.245	1-R-LD-0044	10/11/93	CLR	-	N	_____
F1.03.246	1-R-LD-0045	10/11/93	CLR	-	N	_____
F1.03.247	1-R-LD-0046	10/11/93	CLR	-	N	_____
F1.03.248	1-R-LD-0048	10/11/93	CLR	-	N	_____
F1.03.249	1-R-LD-0049	10/11/93	CLR	-	N	_____
F1.03.250	1-R-LD-0050	10/11/93	CLR	-	N	_____
F1.03.251	1-R-LD-0051	10/11/93	CLR	-	N	_____
F1.03.252	1-R-LD-0053	10/11/93	CLR	-	N	_____
F1.03.253	1-R-LD-0055	10/11/93	CLR	-	N	_____
F1.03.254	1-R-LD-0062	10/11/93	CLR	-	N	_____
F1.03.255	1-R-LD-0064	10/11/93	CLR	-	N	_____

PROGRAM: NISIRUND-QAISI04  
 FILE: C007133  
 PLANT: CATAWBA UNIT 1  
 KEY: ITEM NUMBER F1.

DUKE POWER COMPANY  
 QUALITY ASSURANCE DEPARTMENT  
 PRE-SERVICE AND IN-SERVICE INSPECTION SYSTEM  
 CATAWBA 1 OUTAGE 7 INSERVICE INSPECTION RESULTS

PAGE 50  
 DATE 03/10/94

ITEM NUMBER =====	ID NUMBER =====	INSPECTION DATE =====	INSPECTION STATUS =====	INSPECTION LIMITED =====	GEO. REF. =====	COMMENTS =====
F1.03.256	1-R-LD-0065	10/11/93	CLR	-	N	_____
F1.03.257	1-R-LD-0066	10/11/93	CLR	-	N	_____
F1.03.258	1-R-LD-0067	10/11/93	CLR	-	N	_____
F1.03.259	1-R-LD-0070	10/11/93	REC	-	N	_____
F1.03.289	1-R-TE-0023	10/20/93	CLR	-	N	_____
F1.03.290	1-R-TE-0024	10/20/93	CLR	-	N	_____
F1.03.291	1-R-TE-0032	10/20/93	CLR	-	N	_____
F1.03.292	1-R-TE-0040	10/20/93	CLR	-	N	_____
F1.03.294	1-R-TE-0074	10/20/93	CLR	-	N	_____
F1.03.297	1-R-TE-0041	10/20/93	CLR	-	N	_____
F1.03.298	1-R-TE-0047	10/20/93	CLR	-	N	_____
F1.03.357	1-R-KD-0054	10/11/93	CLR	-	N	_____
F1.03.358	1-R-KD-0055	10/11/93	CLR	-	N	_____
F1.03.359	1-R-KD-0057	10/11/93	CLR	-	N	_____
F1.03.360	1-R-KD-0058	10/11/93	CLR	-	N	_____

PROGRAM: NISIRUND-QAISI04  
FILE: C007133  
PLANT: CATAHBA UNIT 1  
KEY: ITEM NUMBER F1.

DUKE POWER COMPANY  
QUALITY ASSURANCE DEPARTMENT  
PRE-SERVICE AND IN-SERVICE INSPECTION SYSTEM  
CATAHBA 1 OUTAGE 7 INSERVICE INSPECTION RESULTS

PAGE 51  
DATE 03/10/94

ITEM NUMBER =====	ID NUMBER =====	INSPECTION DATE =====	INSPECTION STATUS =====	INSPECTION LIMITED =====	GEO. REF. =====	COMMENTS =====
F1.03.361	1-R-KD-0060	10/11/93	CLR	-	N	_____
F1.03.362	1-R-KD-0061	10/11/93	CLR	-	N	_____
F1.03.363	1-R-KD-0062	10/11/93	CLR	-	N	_____
F1.03.364	1-R-KD-0063	10/11/93	CLR	-	N	_____
F1.03.365	1-R-KD-0064	10/11/93	CLR	-	N	_____
F1.03.366	1-R-KD-0065	10/11/93	CLR	-	N	_____
F1.03.367	1-R-KD-0066	10/11/93	CLR	-	N	_____
F1.03.368	1-R-KD-0067	10/11/93	CLR	-	N	_____
F1.03.369	1-R-KD-0068	10/11/93	CLR	-	N	_____
F1.03.370	1-R-KD-0070	10/11/93	CLR	-	N	_____
F1.03.371	1-R-KD-0072	10/11/93	CLR	-	N	_____
F1.03.372	1-R-KD-0074	10/11/93	CLR	-	N	_____
F1.03.373	1-R-KD-0075	10/11/93	CLR	-	N	_____
F1.03.374	1-R-KD-0076	10/11/93	CLR	-	N	_____
F1.03.375	1-R-KD-0123	10/11/93	CLR	-	N	_____

PROGRAM: NISIRUND-QAISI04  
 FILE: C007133  
 PLANT: CATAHBA UNIT 1  
 KEY: ITEM NUMBER F1.

DUKE POWER COMPANY  
 QUALITY ASSURANCE DEPARTMENT  
 PRE-SERVICE AND IN-SERVICE INSPECTION SYSTEM  
 CATAHBA 1 OUTAGE 7 INSERVICE INSPECTION RESULTS

PAGE 52  
 DATE 03/10/94

ITEM NUMBER =====	ID NUMBER =====	INSPECTION DATE =====	INSPECTION STATUS =====	INSPECTION LIMITED =====	GEO. REF. =====	COMMENTS =====
F1.03.391	1-R-KC-1061	12/17/93	CLR	-	N	_____
F1.03.391A	1-R-KC-1062	12/17/93	CLR	-	N	_____
F1.03.392	1-R-KC-1063	12/17/93	CLR	-	N	_____
F1.03.392A	1-R-KC-1064	12/17/93	CLR	-	N	_____
F1.03.393	1-R-KC-1474	12/17/93	CLR	-	N	_____
F1.03.393A	1-R-KC-1475	12/17/93	CLR	-	N	_____
F1.03.394A	1-R-KC-1088	12/17/93	CLR	-	N	_____
F1.03.395	1-R-KC-1089	12/17/93	CLR	-	N	_____
F1.03.395A	1-R-KC-1090	12/17/93	REC	-	N	_____
F1.03.396A	1-R-KC-1091	12/17/93	REC	-	N	_____
F1.03.397	1-R-KC-1092	12/17/93	CLR	-	N	_____
F1.03.397A	1-R-KC-1093	12/17/93	CLR	-	N	_____
F1.03.398	1-R-KC-1094	12/17/93	CLR	-	N	_____
F1.03.398A	1-R-KC-1095	12/17/93	REC	-	N	_____
F1.03.399	1-R-KC-1096	12/17/93	CLR	-	N	_____

PROGRAM: NISIRUND-QAISI04  
 FILE: C007133  
 PLANT: CATAWBA UNIT 1  
 KEY: ITEM NUMBER F1.

DUKE POWER COMPANY  
 QUALITY ASSURANCE DEPARTMENT  
 PRE-SERVICE AND IN-SERVICE INSPECTION SYSTEM  
 CATAWBA 1 OUTAGE 7 INSERVICE INSPECTION RESULTS

PAGE 53  
 DATE 03/10/94

ITEM NUMBER =====	ID NUMBER =====	INSPECTION DATE =====	INSPECTION STATUS =====	INSPECTION LIMITED =====	GEN. REF. =====	COMMENTS =====
F1.03.399A	1-R-KC-1103	12/17/93	CLR	-	N	_____
F1.03.400	1-R-KC-1105	12/17/93	CLR	-	N	_____
F1.03.400A	1-R-KC-1574	12/17/93	CLR	-	N	_____
F1.03.401	1-R-KC-1579	12/17/93	REC	-	N	_____
F1.03.401A	1-R-KC-1004	12/17/93	CLR	-	N	_____
F1.03.402	1-R-KC-1005	12/17/93	CLR	-	N	_____
F1.03.402A	1-R-KC-1006	12/17/93	CLR	-	N	_____
F1.03.403	1-R-KC-1007	12/17/93	CLR	-	N	_____
F1.03.403A	1-R-KC-1008	12/17/93	CLR	-	N	_____
F1.03.404	1-R-KC-1020	12/17/93	CLR	-	N	_____
F1.03.404A	1-R-KC-1021	12/17/93	CLR	-	N	_____
F1.03.405	1-R-KC-1022	12/17/93	CLR	-	N	_____
F1.03.405A	1-R-KC-1036	12/17/93	CLR	-	N	_____
F1.03.406	1-R-KC-1037	12/17/93	CLR	-	N	_____
F1.03.406A	1-R-KC-1038	12/17/93	CLR	-	N	_____

PROGRAM: NISIRUND-QAISI04  
 FILE: C007133  
 PLANT: CATAMBA UNIT 1  
 KEY: ITEM NUMBER F1.

DUKE POWER COMPANY  
 QUALITY ASSURANCE DEPARTMENT  
 PRE-SERVICE AND IN-SERVICE INSPECTION SYSTEM  
 CATAMBA 1 OUTAGE 7 INSERVICE INSPECTION RESULTS

PAGE 54  
 DATE 03/10/94

ITEM NUMBER =====	ID NUMBER =====	INSPECTION DATE =====	INSPECTION STATUS =====	INSPECTION LIMITED =====	GEO. REF. =====	COMMENTS =====
F1.03.407	1-R-KC-1039	12/17/93	REC	-	N	_____
F1.03.407A	1-R-KC-1040	12/17/93	CLR	-	N	_____
F1.03.408	1-R-KC-1057	12/17/93	CLR	-	N	_____
F1.03.408A	1-R-KC-1060	12/17/93	CLR	-	N	_____
F1.03.409	1-R-KC-1473	12/17/93	CLR	-	N	_____
F1.03.409A	1-R-KC-1003	12/17/93	CLR	-	N	_____
F1.03.411	1-R-KC-1561	12/17/93	CLR	-	N	_____
F1.03.411A	1-R-KC-1128	12/17/93	CLR	-	N	_____
F1.03.412	1-R-KC-1033	12/17/93	CLR	-	N	_____
F1.03.412A	1-R-KC-1034	12/17/93	CLR	-	N	_____
F1.03.413	1-R-KC-1035	12/17/93	CLR	-	N	_____
F1.03.413A	1-R-KC-1453	12/17/93	CLR	-	N	_____
F1.03.414A	1-R-KC-1042	12/17/93	CLR	-	N	_____
F1.03.415	1-R-KC-1451	12/17/93	CLR	-	N	_____
F1.03.415A	1-R-KC-1452	12/17/93	CLR	-	N	_____

PROGRAM: NISIRUND-QAISI04  
FILE: C007133  
PLANT: CATAWBA UNIT 1  
KEY: ITEM NUMBER F1.

DUKE POWER COMPANY  
QUALITY ASSURANCE DEPARTMENT  
PRE-SERVICE AND IN-SERVICE INSPECTION SYSTEM  
CATAWBA 1 OUTAGE 7 INSERVICE INSPECTION RESULTS

PAGE 55  
DATE 03/10/94

ITEM NUMBER =====	ID NUMBER =====	INSPECTION DATE =====	INSPECTION STATUS =====	INSPECTION LIMITED =====	GEO. REF. =====	COMMENTS =====
F1.03.416	1-R-KC-1106	12/17/93	CLR	-	N	_____
F1.03.416A	1-R-KC-1107	12/17/93	CLR	-	N	_____
F1.03.417	1-R-KC-1108	12/17/93	CLR	-	N	_____
F1.03.417A	1-R-KC-1065	12/17/93	CLR	-	N	_____
F1.03.418	1-R-KC-1017	12/17/93	CLR	-	N	_____
F1.03.418A	1-R-KC-1018	12/17/93	CLR	-	N	_____
F1.03.419	1-R-KC-1019	12/17/93	CLR	-	N	_____
F1.03.420	1-R-KC-0438	12/16/93	CLR	-	N	_____
F1.03.420A	1-R-KC-0440	12/16/93	CLR	-	N	_____
F1.03.421	1-R-KC-0441	12/16/93	CLR	-	N	_____
F1.03.422	1-R-KC-0443	12/16/93	CLR	-	N	_____
F1.03.423	1-R-KC-0445	12/16/93	CLR	-	N	_____
F1.03.423A	1-R-KC-0446	12/16/93	CLR	-	N	_____
F1.03.424A	1-R-KC-0550	12/16/93	CLR	-	N	_____
F1.03.425	1-R-KC-0669	12/16/93	CLR	-	N	_____

PROGRAM: NISIRUND-QAISI04  
 FILE: C007133  
 PLANT: CATAWBA UNIT 1  
 KEY: ITEM NUMBER F1.

DUKE POWER COMPANY  
 QUALITY ASSURANCE DEPARTMENT  
 PRE-SERVICE AND IN-SERVICE INSPECTION SYSTEM  
 CATAWBA 1 OUTAGE 7 INSERVICE INSPECTION RESULTS

PAGE 56  
 DATE 03/10/94

ITEM NUMBER =====	ID NUMBER =====	INSPECTION DATE =====	INSPECTION STATUS =====	INSPECTION LIMITED =====	GEO. REF. =====	COMMENTS =====
F1.03.425A	1-R-KC-0218	12/17/93	CLR	-	N	_____
F1.03.426A	1-R-KC-0633	12/17/93	CLR	-	N	_____
F1.03.427	1-R-KC-0207	12/17/93	CLR	-	N	_____
F1.03.427A	1-R-KC-0208	12/17/93	CLR	-	N	_____
F1.03.428	1-R-KC-0209	12/17/93	CLR	-	N	_____
F1.03.428A	1-R-KC-0210	12/17/93	CLR	-	N	_____
F1.03.429	1-R-KC-0211	12/17/93	CLR	-	N	_____
F1.03.429A	1-R-KC-0212	12/17/93	CLR	-	N	_____
F1.03.430	1-R-KC-0213	12/17/93	CLR	-	N	_____
F1.03.431	1-R-KC-0215	12/17/93	CLR	-	N	_____
F1.03.431A	1-R-KC-0217	12/17/93	CLR	-	N	_____
F1.03.432	1-R-KC-0475	12/17/93	CLR	-	N	_____
F1.03.432A	1-R-KC-0475	12/17/93	CLR	-	N	_____
F1.03.434	1-R-KC-0450	12/16/93	CLR	-	N	_____
F1.03.435	1-R-KC-0670	12/16/93	CLR	-	N	_____



PROGRAM: NISIRUND-QAISI04  
 FILE: C007133  
 PLANT: CATAHBA UNIT 1  
 KEY: ITEM NUMBER F1.

DUKE POWER COMPANY  
 QUALITY ASSURANCE DEPARTMENT  
 PRE-SERVICE AND IN-SERVICE INSPECTION SYSTEM  
 CATAHBA 1 OUTAGE 7 INSERVICE INSPECTION RESULTS

PAGE 57  
 DATE 03/10/94

ITEM NUMBER =====	ID NUMBER =====	INSPECTION DATE =====	INSPECTION STATUS =====	INSPECTION LIMITED =====	GEO. REF. =====	COMMENTS =====
F1.03.588	1-R-KC-0507	10/21/93	CLR	-	N	_____
F1.03.588A	1-R-KC-0508	10/21/93	CLR	-	N	_____
F1.03.589	1-R-KC-0510	10/21/93	CLR	-	N	_____
F1.03.589A	1-R-KC-0512	10/21/93	CLR	-	N	_____
F1.03.590	1-R-KC-0513	10/21/93	REC	-	N	_____
F1.03.590A	1-R-KC-0516	10/21/93	CLR	-	N	_____
F1.03.591	1-R-KC-0715	10/21/93	CLR	-	N	_____
F1.03.591A	1-R-KC-0025	10/11/93	CLR	-	N	_____
F1.03.592	1-R-KC-0026	10/11/93	CLR	-	N	_____
F1.03.592A	1-R-KC-0027	10/11/93	CLR	-	N	_____
F1.03.593	1-R-KC-0028	10/11/93	CLR	-	N	_____
F1.03.594	1-R-KC-0031	10/11/93	CLR	-	N	_____
F1.03.594A	1-R-KC-0074	10/11/93	CLR	-	N	_____
F1.03.595	1-R-KC-0075	10/11/93	CLR	-	N	_____
F1.03.595A	1-R-KC-0076	10/11/93	CLR	-	N	_____

PROGRAM: NISIRUND-QAISI04  
 FILE: C007133  
 PLANT: CATAHBA UNIT 1  
 KEY: ITEM NUMBER F1.

DUKE POWER COMPANY  
 QUALITY ASSURANCE DEPARTMENT  
 PRE-SERVICE AND IN-SERVICE INSPECTION SYSTEM  
 CATAHBA 1 OUTAGE 7 INSERVICE INSPECTION RESULTS

PAGE 58  
 DATE 03/10/94

ITEM NUMBER =====	ID NUMBER =====	INSPECTION DATE =====	INSPECTION STATUS =====	INSPECTION LIMITED =====	GEN. REF. =====	COMMENTS =====
F1.03.596	1-R-KC-0347	10/11/93	CLR	-	N	_____
F1.03.596A	1-R-KC-0348	10/11/93	CLR	-	N	_____
F1.03.597	1-R-KC-0349	10/11/93	CLR	-	N	_____
F1.03.597A	1-R-KC-0350	10/11/93	CLR	-	N	_____
F1.03.598	1-R-KC-0352	10/11/93	CLR	-	N	_____
F1.03.598A	1-R-KC-0472	10/11/93	CLR	-	N	_____
F1.03.599	1-R-KC-0473	10/11/93	CLR	-	N	_____
F1.03.599A	1-R-KC-0370	10/11/93	CLR	-	N	_____
F1.03.600	1-R-KC-0371	10/11/93	CLR	-	N	_____
F1.03.600A	1-R-KC-0372	10/11/93	CLR	-	N	_____
F1.03.601	1-R-KC-0373	10/11/93	CLR	-	N	_____
F1.03.601A	1-R-KC-0374	10/11/93	CLR	-	N	_____
F1.03.602	1-R-KC-0375	10/11/93	CLR	-	N	_____
F1.03.602A	1-R-KC-0340	10/11/93	CLR	-	N	_____
F1.03.603	1-R-KC-0341	10/11/93	CLR	-	N	_____

PROGRAM: NISIRUND-QAISI04  
FILE: C007133  
PLANT: CATAWBA UNIT 1  
KEY: ITEM NUMBER F1.

DUKE POWER COMPANY  
QUALITY ASSURANCE DEPARTMENT  
PRE-SERVICE AND IN-SERVICE INSPECTION SYSTEM  
CATAWBA 1 OUTAGE 7 INSERVICE INSPECTION RESULTS

PAGE 59  
DATE 03/10/94

ITEM NUMBER =====	ID NUMBER =====	INSPECTION DATE =====	INSPECTION STATUS =====	INSPECTION LIMITED =====	GEO. REF. =====	COMMENTS =====
F1.03.603A	1-R-KC-0342	10/11/93	CLR	-	N	_____
F1.03.604	1-R-KC-0343	10/11/93	CLR	-	N	_____
F1.03.604A	1-R-KC-0344	10/11/93	CLR	-	N	_____
F1.03.605	1-R-KC-0345	10/11/93	CLR	-	N	_____
F1.03.605A	1-R-KC-0346	10/11/93	CLR	-	N	_____
F1.03.606A	1-R-KC-0556	10/21/93	CLR	-	N	_____
F1.03.607	1-R-KC-0138	10/20/93	CLR	-	N	_____
F1.03.607A	1-R-KC-0139	10/20/93	CLR	-	N	_____
F1.03.608	1-R-KC-0140	10/20/93	CLR	-	N	_____
F1.03.608A	1-R-KC-0145	10/11/93	CLR	-	N	_____
F1.03.609	1-R-KC-0093	10/11/93	CLR	-	N	_____
F1.03.609A	1-R-KC-0094	10/11/93	CLR	-	N	_____
F1.03.610	1-R-KC-0096	10/11/93	CLR	-	N	_____
F1.03.610A	1-R-KC-0097	10/11/93	CLR	-	N	_____
F1.03.611	1-R-KC-0098	10/11/93	CLR	-	N	_____

PROGRAM: NISIRUND-QAISI04  
FILE: C007133  
PLANT: CATAMBA UNIT 1  
KEY: ITEM NUMBER F1.

DUKE POWER COMPANY  
QUALITY ASSURANCE DEPARTMENT  
PRE-SERVICE AND IN-SERVICE INSPECTION SYSTEM  
CATAMBA 1 OUTAGE 7 INSERVICE INSPECTION RESULTS

PAGE 60  
DATE 03/10/94

ITEM NUMBER =====	ID NUMBER =====	INSPECTION DATE =====	INSPECTION STATUS =====	INSPECTION LIMITED =====	GEO. REF. =====	COMMENTS =====
F1.03.611A	1-R-KC-0382	10/11/93	CLR	-	N	_____
F1.03.612	1-R-KC-0092	10/11/93	CLR	-	N	_____
F1.03.612A	1-R-KC-0837	10/21/93	CLR	-	N	_____
F1.03.613	1-R-KC-0838	10/25/93	CLR	-	N	_____
F1.03.613A	1-R-KC-0839	10/21/93	CLR	-	N	_____
F1.03.614	1-R-KC-0840	10/25/93	CLR	-	N	_____
F1.03.614A	1-R-KC-0841	10/07/93	CLR	-	N	_____
F1.03.615	1-R-KC-0842	10/07/93	CLR	-	N	_____
F1.03.615A	1-R-KC-0883	10/11/93	CLR	-	N	_____
F1.03.616	1-R-KC-0884	10/11/93	CLR	-	N	_____
F1.03.616A	1-R-KC-0812	10/21/93	CLR	-	N	_____
F1.03.617	1-R-KC-0813	10/21/93	CLR	-	N	_____
F1.03.617A	1-R-KC-0814	10/21/93	CLR	-	N	_____
F1.03.618	1-R-KC-0815	10/21/93	CLR	-	N	_____
F1.03.618A	1-R-KC-0816	10/07/93	CLR	-	N	_____

PROGRAM: .4ISIRUND-QAISI04  
 FILE: C007133  
 PLANT: CATAWBA UNIT 1  
 KEY: ITEM NUMBER F1.

DUKE POWER COMPANY  
 QUALITY ASSURANCE DEPARTMENT  
 PRE-SERVICE AND IN-SERVICE INSPECTION SYSTEM  
 CATAWBA 1 OUTAGE 7 INSERVICE INSPECTION RESULTS

PAGE 61  
 DATE 03/10/94

ITEM NUMBER =====	ID NUMBER =====	INSPECTION DATE =====	INSPECTION STATUS =====	INSPECTION LIMITED =====	GEN. REF. =====	COMMENTS =====
F1.03.619	1-R-KC-0817	10/07/93	CLR	-	N	_____
F1.03.619A	1-R-KC-0818	10/07/93	CLR	-	N	_____
F1.03.620	1-R-KC-0819	10/07/93	CLR	-	N	_____
F1.03.620A	1-R-KC-0820	10/07/93	CLR	-	N	_____
F1.03.621	1-R-KC-0821	10/07/93	CLR	-	N	_____
F1.03.621F	1-R-KC-0879	10/07/93	CLR	-	N	_____
F1.03.622	1-R-KC-0880	10/11/93	CLR	-	N	_____
F1.03.622A	1-R-KC-0876	10/21/93	CLR	-	N	_____
F1.03.623	1-R-KC-0872	10/11/93	CLR	-	N	_____
F1.03.623A	1-R-KC-0873	10/21/93	CLR	-	N	_____
F1.03.624	1-R-KC-0874	10/21/93	CLR	-	N	_____
F1.03.624A	1-R-KC-0875	10/21/93	REP	-	N	_____
F1.03.625	1-R-KC-0868	10/11/93	CLR	-	N	_____
F1.03.625A	1-R-KC-0869	10/11/93	CLR	-	N	_____
F1.03.626	1-R-KC-0870	10/11/93	CLR	-	N	_____

PROGRAM: NISIRUND-QAISI04  
 FILE: C097133  
 PLANT: CATAWBA UNIT 1  
 KEY: ITEM NUMBER F1.

DUKE POWER COMPANY  
 QUALITY ASSURANCE DEPARTMENT  
 PRE-SERVICE AND IN-SERVICE INSPECTION SYSTEM  
 CATAWBA 1 OUTAGE 7 INSERVICE INSPECTION RESULTS

PAGE 62  
 DATE 03/10/94

ITEM NUMBER	ID NUMBER	INSPECTION DATE	INSPECTION STATUS	INSPECTION LIMITED	GEQ. REF.	COMMENTS
F1.03.626A	1-R-KC-0871	10/11/93	CLR	-	N	
F1.03.627	1-R-KC-0865	10/07/93	CLR	-	N	
F1.03.627A	1-R-KC-0866	10/21/93	CLR	-	N	
F1.03.628	1-R-KC-0867	11/03/93	CLR	-	N	
F1.03.628A	1-R-KC-0861	10/07/93	CLR	-	N	
F1.03.629	1-R-KC-0862	10/07/93	CLR	-	N	
F1.03.629A	1-R-KC-0863	10/07/93	CLR	-	N	
F1.03.630	1-R-KC-0864	10/07/93	CLR	-	N	
F1.03.630A	1-R-KC-0857	10/07/93	CLR	-	N	
F1.03.631	1-R-KC-0858	10/07/93	CLR	-	N	
F1.03.631A	1-R-KC-0859	10/07/93	CLR	-	N	
F1.03.632	1-R-KC-0860	10/07/93	CLR	-	N	
F1.03.632A	1-R-KC-0898	10/11/93	CLR	-	N	
F1.03.835	1-R-RN-0257	10/18/93	CLR	-	N	
F1.03.835A	1-R-RN-0258	10/11/93	CLR	-	N	

PROGRAM: NISIRUND-QAISI04  
 FILE: C007133  
 PLANT: CATAHBA UNIT 1  
 KEY: ITEM NUMBER F1.

DUKE POWER COMPANY  
 QUALITY ASSURANCE DEPARTMENT  
 PRE-SERVICE AND IN-SERVICE INSPECTION SYSTEM  
 CATAHBA 1 OUTAGE 7 INSERVICE INSPECTION RESULTS

PAGE 63  
 DATE 03/10/94

ITEM NUMBER =====	ID NUMBER =====	INSPECTION DATE =====	INSPECTION STATUS =====	INSPECTION LIMITED =====	GEN. REF. =====	COMMENTS =====
F1.03.836	1-R-RN-0473	10/18/93	CLR	-	N	_____
F1.03.836A	1-R-RN-0474	10/18/93	CLR	-	N	_____
F1.03.837	1-R-RN-0475	10/18/93	CLR	-	N	_____
F1.03.837A	1-R-RN-0476	10/18/93	CLR	-	N	_____
F1.03.838	1-R-RN-0477	10/11/93	CLR	-	N	_____
F1.03.838A	1-R-RN-0478	10/26/93	CLR	-	N	_____
F1.03.839	1-R-RN-0479	12/06/93	CLR	-	N	_____
F1.03.839A	1-R-RN-0480	10/18/93	CLR	-	N	_____
F1.03.840	1-R-RN-0481	12/06/93	CLR	-	N	_____
F1.03.840A	1-R-RN-0482	10/18/93	CLR	-	N	_____
F1.03.841	1-R-RN-0483	10/11/93	CLR	-	N	_____
F1.03.841A	1-R-RN-0484	10/11/93	CLR	-	N	_____
F1.03.842	1-R-RN-0485	10/19/93	CLR	-	N	_____
F1.03.842A	1-R-RN-0486	10/11/93	CLR	-	N	_____
F1.03.843	1-R-RN-0487	10/11/93	CLR	-	N	_____

PROGRAM: NISIRUND-QAISI04  
FILE: C007133  
PLANT: CATAWBA UNIT 1  
KEY: ITEM NUMBER F1.

DUKE POWER COMPANY  
QUALITY ASSURANCE DEPARTMENT  
PRE-SERVICE AND IN-SERVICE INSPECTION SYSTEM  
CATAWBA 1 OUTAGE 7 INSERVICE INSPECTION RESULTS

PAGE 64  
DATE 03/10/94

ITEM NUMBER =====	ID NUMBER =====	INSPECTION DATE =====	INSPECTION STATUS =====	INSPECTION LIMITED =====	GEO. REF. =====	COMMENTS =====
F1.03.843A	1-R-RN-0510	10/12/93	CLR	-	N	_____
F1.03.844	1-R-RN-0511	10/20/93	CLR	-	N	_____
F1.03.844A	1-R-RN-0512	10/20/93	CLR	-	N	_____
F1.03.845	1-R-RN-0513	10/13/93	CLR	-	N	_____
F1.03.845A	1-R-RN-0514	10/13/93	CLR	-	N	_____
F1.03.846	1-R-RN-0515	10/20/93	CLR	-	N	_____
F1.03.846A	1-R-RN-0517	10/13/93	CLR	-	N	_____
F1.03.847	1-R-RN-0518	10/11/93	CLR	-	N	_____
F1.03.847A	1-R-RN-0519	10/11/93	CLR	-	N	_____
F1.03.848	1-R-RN-0520	10/11/93	CLR	-	N	_____
F1.03.848A	1-R-RN-0521	10/18/93	CLR	-	N	_____
F1.03.849	1-R-RN-0603	10/13/93	CLR	-	N	_____
F1.03.849A	1-R-RN-0492	10/11/93	CLR	-	N	_____
F1.03.850	1-R-RN-0493	10/11/93	CLR	-	N	_____
F1.03.850A	1-R-RN-0494	10/11/93	CLR	-	N	_____



PROGRAM: MISIRUND-QAISI04  
FILE: C007133  
PLANT: CATAWBA UNIT 1  
KEY: ITEM NUMBER F1.

DUKE POWER COMPANY  
QUALITY ASSURANCE DEPARTMENT  
PRE-SERVICE AND IN-SERVICE INSPECTION SYSTEM  
CATAWBA 1 OUTAGE 7 INSERVICE INSPECTION RESULTS

PAGE 65  
DATE 03/10/94

ITEM NUMBER =====	ID NUMBER =====	INSPECTION DATE =====	INSPECTION STATUS =====	INSPECTION LIMITED =====	GEO. REF. =====	COMMENTS =====
F1.03.851	1-R-RN-0495	10/18/93	CLR	-	N	_____
F1.03.851A	1-R-RN-0496	10/18/93	CLR	-	N	_____
F1.03.852	1-R-RN-0497	10/18/93	CLR	-	N	_____
F1.03.852A	1-R-RN-0498	10/18/93	CLR	-	N	_____
F1.03.853	1-R-RN-0499	10/18/93	CLR	-	N	_____
F1.03.853A	1-R-RN-0500	10/11/93	CLR	-	N	_____
F1.03.854	1-R-RN-0501	10/18/93	CLR	-	N	_____
F1.03.854A	1-R-RN-0502	10/18/93	CLR	-	N	_____
F1.03.855	1-R-RN-0503	10/18/93	CLR	-	N	_____
F1.03.855A	1-R-RN-0606	10/11/93	CLR	-	N	_____
F1.03.856	1-R-RN-0608	10/18/93	CLR	-	N	_____
F1.03.856A	1-R-RN-0748	10/18/93	CLR	-	N	_____
F1.03.857	1-R-RN-0504	10/11/93	CLR	-	N	_____
F1.03.857A	1-R-RN-0505	10/11/93	CLR	-	N	_____
F1.03.858	1-R-RN-0506	10/11/93	CLR	-	N	_____

PROGRAM: NISIRUND-QAISI04  
 FILE: C007133  
 PLANT: CATAWBA UNIT 1  
 KEY: ITEM NUMBER F1.

DUKE POWER COMPANY  
 QUALITY ASSURANCE DEPARTMENT  
 PRE-SERVICE AND IN-SERVICE INSPECTION SYSTEM  
 CATAWBA 1 OUTAGE 7 INSERVICE INSPECTION RESULTS

PAGE 66  
 DATE 03/10/94

ITEM NUMBER =====	ID NUMBER =====	INSPECTION DATE =====	INSPECTION STATUS =====	INSPECTION LIMITED =====	GEQ. REF. =====	COMMENTS =====
F1.03.858A	1-R-RN-0507	10/11/93	CLR	-	N	_____
F1.03.859	1-R-RN-0607	10/11/93	CLR	-	N	_____
F1.03.859A	1-R-RN-0508	10/11/93	CLR	-	N	_____
F1.03.860	1-R-RN-0522	10/11/93	CLR	-	N	_____
F1.03.860A	1-R-RN-0523	10/11/93	CLR	-	N	_____
F1.03.861	1-R-RN-0526	10/11/93	CLR	-	N	_____
F1.03.861A	1-R-RN-0610	10/07/93	CLR	-	N	_____
F1.03.862	1-R-RN-0611	10/07/93	CLR	-	N	_____
F1.03.862A	1-R-RN-0612	11/03/93	CLR	-	N	_____
F1.03.863	1-R-RN-0613	11/03/93	CLR	-	N	_____
F1.03.863A	1-R-RN-0614	11/03/93	CLR	-	N	_____
F1.03.864	1-R-RN-0616	11/03/93	CLR	-	N	_____
F1.03.864A	1-R-RN-0617	11/03/93	CLR	-	N	_____
F1.03.865	1-R-RN-0618	11/03/93	CLR	-	N	_____
F1.03.865A	1-R-RN-0619	11/03/93	CLR	-	N	_____

PROGRAM: NISIRUND-QAISI04  
 FILE: C007133  
 PLANT: CATAWBA UNIT 1  
 KEY: ITEM NUMBER F1.

DUKE POWER COMPANY  
 QUALITY ASSURANCE DEPARTMENT  
 PRE-SERVICE AND IN-SERVICE INSPECTION SYSTEM  
 CATAWBA 1 OUTAGE 7 INSERVICE INSPECTION RESULTS

PAGE 67  
 DATE 03/10/94

ITEM NUMBER =====	ID NUMBER =====	INSPECTION DATE =====	INSPECTION STATUS =====	INSPECTION LIMITED =====	GEO. REF. =====	COMMENTS =====
F1.03.866	1-R-RN-0620	10/07/93	CLR	-	N	_____
F1.03.866A	1-R-RN-0621	10/07/93	CLR	-	N	_____
F1.03.867	1-R-RN-0622	10/07/93	CLR	-	N	_____
F1.03.867A	1-R-RN-0623	10/07/93	CLR	-	N	_____
F1.03.868	1-R-RN-0624	10/07/93	CLR	-	N	_____
F1.03.868A	1-R-RN-0634	10/20/93	CLR	-	N	_____
F1.03.869	1-R-RN-0615	10/07/93	CLR	-	N	_____
F1.03.869A	1-R-RN-0628	10/20/93	CLR	-	N	_____
F1.03.870	1-R-RN-0629	10/20/93	CLR	-	N	_____
F1.03.870A	1-R-RN-0630	10/20/93	CLR	-	N	_____
F1.03.871	1-R-RN-0631	10/20/93	CLR	-	N	_____
F1.03.871A	1-R-RN-0632	10/20/93	CLR	-	N	_____
F1.03.872	1-R-RN-0633	10/20/93	CLR	-	N	_____
F1.03.872A	1-R-RN-0635	10/20/93	CLR	-	N	_____
F1.03.873	1-R-RN-0636	10/20/93	CLR	-	N	_____

PROGRAM: NISIRUND-QAISI04  
FILE: C007133  
PLANT: CATAWBA UNIT 1  
KEY: ITEM NUMBER F1.

DUKE POWER COMPANY  
QUALITY ASSURANCE DEPARTMENT  
PRE-SERVICE AND IN-SERVICE INSPECTION SYSTEM  
CATAWBA 1 OUTAGE 7 INSERVICE INSPECTION RESULTS

PAGE 68  
DATE 03/10/94

ITEM NUMBER =====	ID NUMBER =====	INSPECTION DATE =====	INSPECTION STATUS =====	INSPECTION LIMITED =====	GEØ. REF. =====	COMMENTS =====
F1.03.873A	1-R-RN-0637	10/20/93	CLR	-	N	_____
F1.03.874	1-R-RN-0638	10/20/93	CLR	-	N	_____
F1.03.874A	1-R-RN-0639	10/20/93	CLR	-	N	_____
F1.03.875	1-R-RN-0640	10/20/93	CLR	-	N	_____
F1.03.875A	1-R-RN-0641	10/20/93	CLR	-	N	_____
F1.03.876	1-R-RN-0642	10/20/93	CLR	-	N	_____

PROGRAM: NISIRUND-QAISI04  
FILE: C007133  
PLANT: CATAWBA UNIT 1  
KEY: ITEM NUMBER G01

DUKE POWER COMPANY  
QUALITY ASSURANCE DEPARTMENT  
PRE-SERVICE AND IN-SERVICE INSPECTION SYSTEM  
CATAWBA 1 OUTAGE 7 INSERVICE INSPECTION RESULTS

PAGE 69  
DATE 03/10/94

ITEM NUMBER =====	ID NUMBER =====	INSPECTION DATE =====	INSPECTION STATUS =====	INSPECTION LIMITED =====	GEO. REF. =====	COMMENTS =====
G01.001.003	IRCP-1C	11/29/93	CLR	L	N	_____
G01.001.003A	IRCP-1C	11/29/93	CLR	-	N	_____
G01.001.004	IRCP-1D	11/10/93	CLR	L	N	_____

PROGRAM: NISIRUND-QAISI04  
FILE: C007133  
PLANT: CATAWBA UNIT 1  
KEY: ITEM NUMBER G04

DUKE POWER COMPANY  
QUALITY ASSURANCE DEPARTMENT  
PRE-SERVICE AND IN-SERVICE INSPECTION SYSTEM  
CATAWBA 1 OUTAGE 7 INSERVICE INSPECTION RESULTS

PAGE 70  
DATE 03/10/94

ITEM NUMBER	ID NUMBER	INSPECTION DATE	INSPECTION STATUS	INSPECTION LIMITED	GEO. REF.	COMMENTS
G04.001.008	INS26-04	11/16/93	CLR	-	N	_____
G04.001.009	INS26-07	11/16/93	CLR	-	N	_____
G04.001.015	INS29-06	11/16/93	CLR	-	N	_____
G04.001.016	INS29-07	11/16/93	CLR	-	N	_____
G04.001.017	INS29-08	11/16/93	CLR	-	N	_____
G04.001.018	INS29-11	11/16/93	CLR	-	N	_____
G04.001.019	INS29-16	11/16/93	CLR	-	N	_____
G04.001.020	INS29-23	11/16/93	CLR	-	N	_____

**B.** Items examined by Pressure Testing

Item Number	=	ASME Section XI Tables IWB-2500-1 (Class 1), IWC-2500-1 (Class 2)
Drawing	=	Number of the Flow Diagram
Examination Date	=	Latest Examination Date
Condition	=	Partial or Complete test
Status	=	Clear, Recordable or Reportable
Comments	=	General and/or Detail Description

CATAWBA UNIT NUMBER 1  
CLASS A (CATEGORY B-P) RESULTS  
FOR OUTAGE NUMBER 7

ITEM NO.	DRAWING	DATE LAST EXAMINED	CONDITION	STATUS	COMMENTS
B15.010.001	CN-1553-1.0	12/27/93	COMPLETE	CLEAR	
B15.020.001	CN-1553-1.1	12/27/93	COMPLETE	CLEAR	
B15.030.001	CN-1553-1.0	12/27/93	COMPLETE	CLEAR	
B15.030.002	CN-1553-1.0	12/27/93	COMPLETE	CLEAR	
B15.030.003	CN-1553-1.0	12/27/93	COMPLETE	CLEAR	
B15.030.004	CN-1553-1.0	12/27/93	COMPLETE	CLEAR	
B15.050.001	CN-1553-1.0	12/27/93	COMPLETE	CLEAR	
B15.050.002	CN-1553-1.1	12/27/93	COMPLETE	CLEAR	
B15.050.004	CN-1554-1.0	12/27/93	COMPLETE	CLEAR	
B15.050.005	CN-1554-1.5	12/27/93	COMPLETE	CLEAR	
B15.050.006	CN-1561-1.0	12/27/93	COMPLETE	CLEAR	
B15.050.007	CN-1561-1.1	12/27/93	COMPLETE	CLEAR	
B15.050.008	CN-1562-1.0	12/27/93	COMPLETE	CLEAR	
B15.050.009	CN-1562-1.1	12/27/93	COMPLETE	CLEAR	
B15.050.010	CN-1562-1.2	12/27/93	COMPLETE	CLEAR	
B15.050.011	CN-1562-1.3	12/27/93	COMPLETE	CLEAR	
B15.051.002	CN-1553-1.1	12/27/93	PARTIAL	CLEAR	
B15.051.004	CN-1554-1.0	12/22/93	PARTIAL	CLEAR	
B15.051.006	CN-1561-1.0	12/22/93	PARTIAL	CLEAR	
B15.051.007	CN-1561-1.1	12/07/93	PARTIAL	CLEAR	



CATAWBA UNIT NUMBER 1  
CLASS A (CATEGORY B-P) 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>
B15.051.008	CN-1562-1.0	11/29/93	PARTIAL	CLEAR	
B15.051.010	CN-1562-1.2	11/30/93	PARTIAL	CLEAR	
B15.060.001	CN-1553-1.0	12/27/93	COMPLETE	CLEAR	
B15.060.002	CN-1553-1.0	12/27/93	COMPLETE	CLEAR	
B15.060.003	CN-1553-1.0	12/27/93	COMPLETE	CLEAR	
B15.060.004	CN-1553-1.0	12/27/93	COMPLETE	CLEAR	

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

ITEM NO.	DRAWING	DATE LAST EXAMINED	CONDITION	STATUS	COMMENTS
C07.020.001	CN-1591-1.1	12/26/93	COMPLETE	RECORDABLE	
C07.020.002	CN-1591-1.1	12/26/93	COMPLETE	CLEAR	
C07.020.003	CN-1591-1.1	12/26/93	COMPLETE	CLEAR	
C07.020.004	CN-1591-1.1	12/26/93	COMPLETE	CLEAR	
C07.020.005	CN-1554-1.0	12/26/93	COMPLETE	CLEAR	
C07.020.006	CN-1554-1.0	12/26/93	COMPLETE	CLEAR	
C07.020.011	CN-1561-1.0	12/13/93	COMPLETE	CLEAR	
C07.020.012	CN-1561-1.1	12/07/93	COMPLETE	CLEAR	
C07.020.013	CN-1562-1.1	12/26/93	PARTIAL	CLEAR	
C07.020.014	CN-1562-1.1	12/26/93	COMPLETE	CLEAR	
C07.020.015	CN-1562-1.1	12/26/93	COMPLETE	CLEAR	
C07.020.016	CN-1562-1.1	12/26/93	COMPLETE	CLEAR	
C07.020.023	CN-1561-1.0	12/13/93	COMPLETE	CLEAR	
C07.020.024	CN-1561-1.1	12/07/93	COMPLETE	CLEAR	
C07.040.001	CN-1553-1.0	12/26/93	COMPLETE	CLEAR	
C07.040.002	CN-1553-1.1	12/26/93	PARTIAL	CLEAR	
C07.040.003	CN-1553-1.2	12/26/93	COMPLETE	CLEAR	
C07.040.005	CN-1554-1.0	12/26/93	PARTIAL	RECORDABLE	Penetrations M-256, M-273, M-330 and M-347
C07.040.010	CN-1554-1.5	12/26/93	PARTIAL	CLEAR	Penetrations M-339, M-343, M-344 and M-350
C07.040.011	CN-1554-1.6	12/17/93	PARTIAL	CLEAR	

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

ITEM NO.	DRAWING	DATE LAST EXAMINED	CONDITION	STATUS	COMMENTS
C07.040.012	CN-1554-1.7	12/01/93	PARTIAL	CLEAR	
C07.040.013	CN-1554-1.8	12/26/93	PARTIAL	CLEAR	Penetration M-228
C07.040.020	CN-1561-1.0	12/22/93	COMPLETE	CLEAR	Penetration M-276
C07.040.021	CN-1561-1.1	12/17/93	COMPLETE	CLEAR	
C07.040.022	CN-1562-1.0	11/29/93	PARTIAL	CLEAR	Penetration M-351
C07.040.023	CN-1562-1.1	12/26/93	PARTIAL	CLEAR	Penetrations M-322 and M-331
C07.040.024	CN-1562-1.2	12/07/93	PARTIAL	RECORDABLE	Penetrations M-207, M-317 and M-320
C07.040.025	CN-1562-1.3	12/13/93	PARTIAL	CLEAR	Penetrations M-210, M-303, M-307 and M-336
C07.040.027	CN-1563-1.0	12/13/93	PARTIAL	CLEAR	Penetrations M-362, M-369, M-370, M-380, M-38 and M-387
C07.040.031	CN-1565-2.6	12/26/93	PARTIAL	CLEAR	Penetration M-359
C07.040.036	CN-1569-1.0	11/24/93	PARTIAL	CLEAR	Penetrations M-243 and M-253
C07.040.038	CN-1571-1.0	12/13/93	PARTIAL	CLEAR	Penetrations M-358 and M-377
C07.040.039	CN-1572-1.0	12/26/93	COMPLETE	CLEAR	Penetrations M-235 and M-310
C07.040.040	CN-1572-1.1	12/26/93	PARTIAL	CLEAR	Penetration M-236
C07.040.042	CN-1572-1.4	12/26/93	PARTIAL	CLEAR	Penetrations M-335, M-338, M-340 and M-341
C07.040.044	CN-1573-1.3	12/26/93	COMPLETE	CLEAR	Penetrations M-217, M-218, M-321, M-328, M-35 and M-376
C07.040.045	CN-1573-1.4	12/26/93	COMPLETE	CLEAR	
C07.040.046	CN-1573-1.5	12/26/93	COMPLETE	CLEAR	Penetration M-323
C07.040.047	CN-1573-1.7	12/26/93	COMPLETE	CLEAR	
C07.040.049	CN-1574-2.2	12/26/93	COMPLETE	CLEAR	Penetrations M-308 and M-230

CATAWBA UNIT NUMBER 1  
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>
C07.040.050	CN-1574-2.8	12/26/93	COMPLETE	RECORDABLE	Penetration M385 and M-240
C07.040.051	CN-1580-1.0	12/26/93	COMPLETE	RECORDABLE	Penetrations M-142, M-277, M-455 and M-3105
C07.040.052	CN-1584-1.0	12/26/93	PARTIAL	CLEAR	
C07.040.054	CN-1591-1.1	12/26/93	PARTIAL	CLEAR	Penetrations M-110, M-262, M-309 and M-422
C07.040.055	CN-1592-1.1	12/26/93	PARTIAL	CLEAR	Penetrations M-143, M-278, M-457 and M-3106
C07.040.056	CN-1593-1.0	12/26/93	PARTIAL	CLEAR	Penetrations M-113, M-261, M-393 and M-423
C07.040.057	CN-1593-1.1	12/22/93	PARTIAL	CLEAR	
C07.060.004	CN-1561-1.0	12/13/93	COMPLETE	CLEAR	
C07.060.005	CN-1561-1.1	12/07/93	COMPLETE	CLEAR	

CATAWBA UNIT NUMBER 1  
CLASS C (CATEGORY D-A) 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>
D01.012.003	CN-1554-1.2	11/26/93	COMPLETE	CLEAR	
D01.012.004	CN-1554-1.3	12/04/93	COMPLETE	CLEAR	

CATAWBA UNIT NUMBER 1  
CLASS C (CATEGORY D-B) RESULTS  
FOR OUTAGE NUMBER 7

ITEM NO.	DRAWING	DATE LAST EXAMINED	CONDITION	STATUS	COMMENTS
D02.012.002	CN-1573-1.0	11/25/93	PARTIAL	CLEAR	
D02.012.003	CN-1573-1.1	11/25/93	PARTIAL	RECORDABLE	
D02.012.011	CN-1573-2.0	12/06/93	COMPLETE	CLEAR	
D02.012.014	CN-1574-1.0	03/06/93	COMPLETE	CLEAR	
D02.012.015	CN-1574-1.1	03/06/93	COMPLETE	RECORDABLE	
D02.012.016	CN-1574-1.2	02/24/93	COMPLETE	CLEAR	
D02.012.017	CN-1574-2.0	03/06/93	COMPLETE	CLEAR	
D02.012.018	CN-1574-2.1	03/06/93	COMPLETE	RECORDABLE	
D02.012.019	CN-1574-2.4	02/24/93	COMPLETE	CLEAR	
D02.012.020	CN-1574-2.5	02/24/93	COMPLETE	CLEAR	
D02.012.021	CN-1592-1.0	12/07/93	COMPLETE	CLEAR	
D02.012.022	CN-1592-1.1	12/07/93	COMPLETE	CLEAR	
D02.012.023	CN-1592-1.1	12/22/93	COMPLETE	RECORDABLE	
D02.012.024	CN-1609-1.0	11/13/93	PARTIAL	RECORDABLE	
D02.012.031	CN-2574-2.0	03/06/93	COMPLETE	CLEAR	
D02.012.032	CN-2574-2.1	03/06/93	COMPLETE	RECORDABLE	
D02.012.033	CN-2574-2.4	02/24/93	COMPLETE	CLEAR	
D02.012.034	CN-2574-2.5	02/24/93	COMPLETE	CLEAR	
D02.012.035	CN-2573-1.1	03/06/93	COMPLETE	RECORDABLE	
D02.012.036	CN-1570-1.0	03/06/93	COMPLETE	CLEAR	

CATAWBA UNIT NUMBER 1  
CLASS C (CATEGORY D-B) 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>
D02.012.042	CN-1569-1.0	03/06/93	COMPLETE	CLEAR	
D02.012.048	CN-1574-1.4	03/06/93	COMPLETE	CLEAR	
D02.012.049	CN-1573-2.2	12/06/93	COMPLETE	RECORDABLE	
D02.012.050	CN-1573-2.3	11/09/93	COMPLETE	CLEAR	
D02.012.052	CN-2573-2.2	03/06/93	COMPLETE	RECORDABLE	
D02.012.053	CN-2573-2.3	02/24/93	COMPLETE	CLEAR	

PAGE NO. 1  
01/26/94

CATAWBA UNIT NUMBER 1  
CLASS C (CATEGORY D-C) 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>
D03.012.001	CN-1570-1.0	10/11/93	COMPLETE	CLEAR	



5.2 *Limited Examinations (i.e., less than 90% of the required examination coverage obtained) identified during Outage 7 are shown below.*

Item Number	Request for Relief Serial Number
B01.011.001	94-01
B01.011.004	94-01
B01.021.001	94-01
B01.022.001	94-01
B01.022.003	94-01
B01.022.004	94-01
B01.022.005	94-01
B01.022.006	94-01
B03.090.001	94-01
B03.090.001A	94-01
B03.090.002	94-01
B03.090.002A	94-01
B03.090.003	94-01
B03.090.003A	94-01
B03.090.004	94-01
B03.090.004A	94-01
B03.090.005	94-01
B03.090.005A	94-01
B03.090.006	94-01
B03.090.006A	94-01
B03.090.007	94-01
B03.090.007A	94-01
B03.090.008	94-01
B03.090.008A	94-01
B03.100.001	94-01
B03.100.002	94-01
B03.100.003	94-01
B03.100.004	94-01
B03.100.005	94-01
B03.100.006	94-01
B03.100.007	94-01
B03.100.008	94-01
B03.110.004	94-01
B03.110.005	94-01
B03.110.006	94-01
B03.120.004	94-C1
B03.120.005	94-01
B03.120.006	94-01
B03.140.005	94-01

5.2 Limited Examinations (Continued)

Item Number	Request for Relief Serial Number
B03.140.006	94-01
B05.040.004	94-01
B05.040.005	94-01
B05.040.006	94-01
B05.070.005	94-01
B05.070.006	94-01
B05.130.014	94-01
B05.130.015	94-01
B09.031.003	94-01

6.0 Reportable Indications

Outage 7 had no Class 1 or 2 reportable indications.

## 7.0 Personnel, Equipment and Material Certifications

All personnel who performed or evaluated the results of inservice inspections from October 16, 1992 through December 27, 1993 at Catawba Nuclear Station Unit 1 were certified in accordance with the requirements of 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 can be obtained through the Corporate Offices in Charlotte, North Carolina. The certification records for the Babcock & Wilcox Nuclear Technologies inspectors are on file at the Babcock & Wilcox Nuclear Technologies Offices in Lynchburg, Virginia.

Records of periodic calibration of Duke Power Company inspection equipment are on file at Catawba Nuclear Station or can be obtained through the Corporate Offices in Charlotte, North Carolina. The periodic calibration records for the Babcock & Wilcox Nuclear Technologies inspection equipment are on file at the Babcock & Wilcox Nuclear Technologies Offices in Lynchburg, Virginia.

8.0 Problem Investigation Process Forms

No Problem Investigation Process Forms resulting from Class 1 or 2 reportable items, were originated during Outage 7.

The following Problem Investigation Process Forms apply to the Inservice Inspection Program during Unit 1 Outage 7 at Catawba Nuclear Station.

Problem Investigation Process Forms:

PIP Serial No. 1-C93-0875

PIP Serial No. 1-C93-1064

8.0 Problem Investigation Process Forms

No Problem Investigation Process Forms resulting from Class 1 or 2 reportable items, were originated during Outage 7.

The following Problem Investigation Process Forms apply to the Inservice Inspection Program during Unit 1 Outage 7 at Catawba Nuclear Station.

Problem Investigation Process Forms:

PIP Serial No. 1-C93-0875

PIP Serial No. 1-C93-1064

Today's Date : 03/09/94  
Time : 14:58  
Page No. : 1  
PIP Serial No. : 1-C93-0875

MSE Serial No. : 1-C93-0875  
LER Serial No. : N/A  
Other Rpt. No. : N/A

**CATAWBA NUCLEAR STATION**  
**Problem Investigation Process**  
**Problem Investigation Form**

I. Problem ID

Occurred Time/Date:            /   /            Discovered Time/Date: 14:00 10/21/93

Unit(s): 1	Status at Time Discovered:	Unit 1	Unit 2
	Mode:	1	N/A
	Power:	100	N/A

Unit Status Remarks:

System(s) Affected:

- 1). KC = Component Cooling System

Problem Found While Working With Work Order No.: N/A

Location of Problem - Bldg: AUX      Elev: 572      Column Line: HH-57  
Location Remarks: room 300

Method Used To Discover Problem:

Visual examination, ASME Sect. XI inspection.

Brief Problem Description:

Concrete anchors slipped out roughly 1/2".

Detailed Problem Description:

QA inspector identified that support 1-R-KC-0875 base plate was separated from the ceiling roughly 1/2". This plate is secured to the concrete with (4) 3/4" concrete anchors. Each anchor has slipped out of the concrete an equal amount. The middle bolt of the supports pipe clamp is also loose.

Originated by: CBCAUTHE    Group: CES    Date: 10/21/93

Other Units/Components/Systems/Areas Affected (Y,N,U): NO

Immediate Corrective Actions:

Corrective maint work order 93076868-01 issued to repair the support. Based on the operability review this repair work is scheduled as non-outage period work.

Originated by: CBCAUTHE    Group: CES    Date: 12/22/93

Corrective Action Work Order No.: 93076868-01

Today's Date : 03/09/94  
Time : 14:58  
Page No. : 2  
PIP Serial No. : 1-C93-0875

MSE Serial No. : 1-C93-0875  
LER Serial No. : N/A  
Other Rpt. No. : N/A

CATAWBA NUCLEAR STATION  
Problem Investigation Process  
Problem Investigation Form

Problem Identified By: CBCAUTHE Group: CES Date: 10/21/93  
Problem Entered By : CBCAUTHE Group: CES Date: 10/21/93

II. Significance

Is the Problem Significant? Y Action Category: 2  
Significance Code: 5 - Operability from Engineering  
MSE No.: 1-C93-0875 LER No.: N/A Other Report No.: N/A  
OEP No.: N/A

Event Code(s) :  
1). F3 = Equipment Out of Norm

Screening Remarks:

Screened By: CBCAUTHE Group: CES Date: 10/21/93

Operability: Status: CLOSED  
Sys/Comp PRESENT Operable?(Y,N,C,E) : Y Rqd Mode: N/A  
Resp. Grp for Present Operability : CIV Due Date: 10/28/93  
Evaluated By : DLCALDWE Group : CIV Act Date: 10/28/93

Comments: See Operability Screen

Sys/Comp PAST Operable ?(Y,N,C,E) : Y Status: CLOSED  
Resp. Grp for Past Operability : CIV Due Date: 10/28/93  
Evaluated By : DLCALDWE Group : CIV Act Date: 10/28/93

Comments: See Past Operability Screen

Reportability:  
Problem Reportable? (Y,N,E) : N  
Reportable Per: N/A  
Responsible Group for Reportability: SRG Due Date: 10/28/93  
Evaluated By : JWGLENN Group : SRG Act Date: 10/28/93

Comments: Reviewed by RKS 11-4-93.

Notifications Made:



Today's Date : 03/09/94  
Time : 14:58  
Page No. : 3  
PIP Serial No. : 1-C93-0875

MSE Serial No. : 1-C93-0875  
LER Serial No. : N/A  
Other Rpt. No. : N/A

CATAWBA NUCLEAR STATION  
Problem Investigation Process  
Problem Investigation Form

Regulatory Agency Contactee : N/A  
Duke Power Company Contactor : N/A Date : / /  
Date NRC Res. Inspector Notified: / /  
Date Notified VP or Sta. Mgr. : / /  
Date Notified NS Duty Engineer : / /

Investigation Report:

Resp. Group for Invest. Report : N/A Date : / /  
Investigator : N/A Group: N/A Act Date : / /  
Date Due to V.P. or Station Mgr.: / /  
Date Regulatory Agency Rpt. Due : / /  
Date Investigation Report Apprvd: / /

NRC Cause Code(s) :

1). N/A = Cause code not applicable in this case

Operability Determination From: CIV

Grp Status: CLOSED

An analysis has been performed based on removing S/R 1-R-KC-875 and the vertical component of 1-R-KC-874. Stresses are well below all code allowables. The remaining supports are capable of taking the resulting loads. The piping system is fully operable.

Originated by: RFKRAUSE Group: CIV Date: 10/28/93  
Revised by: DLCALDWE Group: CIV Date: 10/28/93

Is Present Operability ready for approval? (y,n): Yes

Assigned To : RFKRAUSE / Mgmt Exception: No  
Checked By : FTRICKEN  
Orig Due Date : 10/28/93 Curr Due Date : 10/28/93 # of Ext.: 0  
Approved By : DLCALDWE Group : CIV App Date : 10/28/93

Past Operability Determination From: CIV

Grp Status: CLOSED

See operability determination above.

Originated by: RFKRAUSE Group: CIV Date: 10/28/93  
Revised by: DLCALDWE Group: CIV Date: 10/26/93

Is Past Operability ready for approval? (y,n): Yes

Assigned To : RFKRAUSE / Mgmt Exception: No  
Checked By : FTRICKEN  
Orig Due Date : 10/28/93 Curr Due Date : 10/28/93 # of Ext.: 0  
Approved By : DLCALDWE Group : CIV App Date : 10/28/93

Today's Date : 03/09/94  
Time : 14:58  
Page No. : 4  
PIP Serial No. : 1-C93-0875

MSE Serial No. : 1-C93-0875  
LER Serial No. : N/A  
Other Rpt. No. : N/A

**CATAWBA NUCLEAR STATION  
Problem Investigation Process  
Problem Investigation Form**

Responsible Group(s) for Proposed Resolution :

	Original Due Date	Current Due Date	# Ext.
1). CES = Component Engineering	11/20/93	11/20/93	0
2). OEA = Operational Event Anal	11/20/93	11/20/93	0

Responsible Group for Cause Code Evaluation : CES Due Date: 11/20/93

Responsible Group for Overall PIP Approval : SRG Due Date: / /

III. Problem Evaluation

System(s) Affected :

- 1). KC = Component Cooling System

Affected Equipment:

WMS Equipment ID No.	Comp. Code	Manufacturer Name
----------------------	---------------	----------------------

Most Probable Group Causing Event Status: CLOSED

Group INPO Cause Code(s) :

- 1). N/A - C4e = Unusual plant conditions/configuration

Cause(s) of Problem:

The support uses sleeve type anchors that in some instances will loosen when exposed to constant vibration. The configuration of the support would place the anchor in tension loading with fairly constant vibration levels. This is believed to have caused the loosening of the anchors.

Originated by: CBCAUTHE Group: CES Date: 12/22/93

Is Cause Determination Complete (y,n) : Yes

Assigned To : CBCAUTHE / ZLTAYLOR

Mgmt Exception: No

Orig Due Date : 11/20/93 Curr Due Date: 11/20/93

# of Ext.: 0

Approved By : JSLYNCH

Group: CES

App Date : 12/27/93

SRG Concurrence: JWGLENN

Date : 12/28/93

Proposed Resolution From: CES Grp Status: CLOSED

The repair of this support will use a wedge type anchor which has proven to be much more resistive to constant vibration conditions. The effectiveness of this repair will be verified by a follow up inspection of this support by the ISI inspection

Today's Date : 03/09/94  
Time : 14:58  
Page No. : 5  
PIP Serial No. : 1-C93-0875

MSE Serial No. : 1-C93-0875  
LER Serial No. : N/A  
Other Rpt. No. : N/A

**CATAWBA NUCLEAR STATION  
Problem Investigation Process  
Problem Investigation Form**

plan. Repair of the support is to be accomplished by work order 93076868-01.

Originated by: CBCAUTHE Group: CES Date: 12/22/93

Need to discuss if this were an isolated case or not. Does CNS need to review its installation procedures for anchors? Does CNS need to inspect a random sample for similar misuse. In all cause analysis, everyone needs to address the issue of generic applicable.

Revised by: WFBEAVER Group: CES Date: 02/10/94

In the corrective action to repair this support numerous supports up and down stream were inspected to see if loose anchors were present. No other anchor problems were located on this pipe that would have given the anchors similar operating conditions to the anchors that did pull loose. Based on this inspection this anchor problem is considered applicable only to this support location. In addition hundreds of supports that utilize anchors are inspected through the ASME ISI inspection each year. There have been some anchor discrepancies evaluated but these have not been significant enough to implicate a generic anchor or anchor installation problem exist at Catawba.

Revised by: CBCAUTHE Group: CES Date: 03/01/94

Is Proposed Resolution ready for approval? (y,n): Yes  
Assigned To : CBCAUTHE / CBCAUTHE Mgmt Exception: No  
Orig Due Date : 11/20/93 Curr Due Date : 11/20/93 # of Ext.: 0  
Approved By : GMCORNWE Group : CES App Date : 03/01/94  
SRG Concurrence: JWGLENN Date : 03/02/94

Proposed Resolution From: OEA Grp Status: CLOSED

Proposed resolution is to process this MSE through the OEP (per the requirements of 10CFR50 Appendix B, Criterion XVI.

Originated by: PBNARDOCI Group: OEA Date: 10/25/93

Is Proposed Resolution ready for approval? (y,n): Yes  
Assigned To : PBNARDOC / RFCOLE Mgmt Exception: No  
Orig Due Date : 11/20/93 Curr Due Date : 11/20/93 # of Ext.: 0  
Approved By : RFCOLE Group : OEA App Date : 10/25/93  
SRG Concurrence: JWGLENN Date : 10/25/93

Today's Date : 03/09/94  
Time : 14:58  
Page No. : 6  
PIP Serial No. : 1-C93-0875

MSE Serial No. : 1-C93-0875  
LER Serial No. : N/A  
Other Rpt. No. : N/A

CATAWBA NUCLEAR STATION  
Problem Investigation Process  
Problem Investigation Form

Remarks:

IV. Corrective Actions

- Brief Proposed Corrective Action: Resp Grp: OEA  
Orig Grp: OEA
- 1 Perform generic applicability screening evaluation for the Duke sites, and take any resulting corrective actions necessary per OEP.

Prop CAC: G Actual CAC: Outage :

Work Orders/Requests:

MOD Info: Mode:  
RGC Item : RGC Item:  
SRG Item : QVD Item:  
INPO Item:  
Actual Corrective Action Resolution From: OEA Grp Status: OPEN

Is Corrective Action ready for approval? (y,n): No  
Assigned To : / Mgmt Exception: No  
Orig Due Date : 04/19/94 Curr Due Date: 04/19/94 # of Ext.: 0  
Approved By : Group: App Date : / /  
SRG Concurrence: Date : / /

- Brief Proposed Corrective Action: Resp Grp: WCG  
Orig Grp: CES
- 2 Plan and schedule completion of W/O 93076868-01. Specify wedge anchors be used in the repair.

Prop CAC: B1e Actual CAC: Outage :

Work Orders/Requests:

MOD Info: Mode:  
RGC Item : RGC Item:  
SRG Item : QVD Item:  
INPO Item:  
Actual Corrective Action Resolution From: WCG Grp Status: CLOSED

Today's Date : 03/09/94  
Time : 14:58  
Page No. : 7  
PIP Serial No. : 1-C93-0875

MSE Serial No. : 1-C93-0875  
LER Serial No. : N/A  
Other Rpt. No. : N/A

CATAWBA NUCLEAR STATION  
Problem Investigation Process  
Problem Investigation Form

The subject W.O. has been planned and scheduled.

Originated by: SFHATLEY Group: WCG Date: 01/18/94

Is Corrective Action ready for approval? (y,n): Yes  
Assigned To : / DMJARMAN Mgmt Exception: No  
Orig Due Date : 04/19/94 Curr Due Date: 04/19/94 # of Ext.: 0  
Approved By : DCLESLIE Group: WCG App Date : 01/18/94  
SRG Concurrence: JWGLENN Date : 02/01/94

Brief Proposed Corrective Action: Resp Grp: SRG  
Orig Grp: SRG  
3 SRG to confirm completion of WO 93076868-01

Prop CAC: Ble Actual CAC: Outage :

Work Orders/Requests:

MOD Info: Mode:  
RGC Item : RGC Item:  
SRG Item : QVD Item:  
INPO Item:  
Actual Corrective Action Resolution From: SRG Grp Status: CLOSED

WO 93076868-01 was completed on 2-7-94 per WMS.

Originated by: JWGLENN Group: SRG Date: 02/09/94

Is Corrective Action ready for approval? (y,n): Yes  
Assigned To : JWGLENN / DPKIMBAL Mgmt Exception: No  
Orig Due Date : 04/19/94 Curr Due Date: 04/19/94 # of Ext.: 0  
Approved By : JWGLENN Group: SRG App Date : 02/09/94  
SRG Concurrence: WFBEAVER Date : 02/10/94

V. Final and Overall PIP Approval

Criterion XVI Review:  
XVI Status : Under Review - Not Complete Yet GO PIP No.:

Today's Date : 03/09/94  
Time : 14:58  
Page No. : 8  
PIP Serial No. : 1-C93-0875

MSE Serial No. : 1-C93-0875  
LER Serial No. : N/A  
Other Rpt. No. : N/A

CATAWBA NUCLEAR STATION  
Problem Investigation Process  
Problem Investigation Form

Assigned To: FAKRAUSS /                      Due Date: 04/30/94  
Approved By:                      Group: OEA                      Date:    /    /

Overall PIP Approval:  
Assigned To:                      /                      Due Date:    /    /  
Approved By:                      Group: SRG                      Date:    /    /

Microfilm Roll/Frame :                      /

---

End of the Document FOR PIP No.: 1-C93-0875  
The Status of this PIP No. is : OPEN

Today's Date : 03/09/94  
Time : 14:58  
Page No. : 1  
PIP Serial No. : 1-C93-1064

MSE Serial No. :  
LER Serial No. :  
Other Rpt. No. : NRC RPT 93-32

CATAWBA NUCLEAR STATION  
Problem Investigation Process  
Problem Investigation Form

I. Problem ID

Occurred Time/Date: 12/01/93 Discovered Time/Date: 12/01/93

Unit(s) : 1 Status at Time Discovered: Unit 1 Unit 2  
Mode: 6 N/A  
& Power: 0 N/A

Unit Status Remarks: Outage

System(s) Affected:

1). NI = Safety Injection System

Problem Found While Working With Work Order No.:

Location of Problem - Bldg: RX Elev: Column Line:  
Location Remarks:

Method Used To Discover Problem:

ISI of NI Accum. Tank.

Brief Problem Description:

Weld not identified in the ISI Plan.

Detailed Problem Description:

During routine ISI of NI Accumulator Tank lower head to nozzle, it was noted that there was a nozzle to safe-end (Dissimilar metal) weld that was not identified in the ISI Plan. Section XI requires that all dissimilar metal welds be examined once every ten (10) year interval.

Ref. IWC 2500-1, Category C-F, C5.11, Note1(c).  
This exam was being monitored by the NRC.

Originated by: GBROBINSON Group: MMT Date: 12/01/93

Other Units/Components/Systems/Areas Affected (Y,N,U): UNK

Immediate Corrective Actions:

The weld was inspected and this PIP was written to have the weld included in the ISI Plan.

Originated by: GBROBINSON Group: MMT Date: 12/06/93

Today's Date : 03/09/94  
Time : 14:58  
Page No.: 2  
PIP Serial No. : 1-C93-1064

MSE Serial No. :  
LER Serial No. :  
Other Rpt. No. : NRC RPT 93-32

CATAWBA NUCLEAR STATION  
Problem Investigation Process  
Problem Investigation Form

Corrective Action Work Order No.:

Problem Identified By: GBROBINS Group: MMT Date: 12/01/93  
Problem Entered By : AJPAULY Group: MMT Date: 12/06/93

II. Significance

Is the Problem Significant? N Action Category: 3  
MSE No.: LER No.: Other Report No.: NRC RPT 93-32  
OEP No.:

Event Code(s) :

- 1). O1 = NRC
- 2). B1 = Procedures/Directives/Policies

Screening Remarks:

Reference IWC 2500-1 Category C-F, C5.11, Note 1(c).

Originated by: AJPAULY Group: MMT Date: 12/06/93  
This PIP was downgraded from a category 2 to a category 3 due to the fact that it was not an operability issue. Weld was caught before leaving CNS ARIS 10 year inspection. Responsible group should address why the inspection was left out. In addition, the group should take a broader look at the ARIS inspection program to determine if other inspections were not included.

Revised by: WFBEAVER Group: SRG Date: 12/07/93

This PIP was re-opened on 02/21/94 to add information contained in NRC Inspection Report 93-32.

Revised by: KENICHOL Group: RGC Date: 02/21/94

Responsible Group(s) for Proposed Resolution :

	Original Due Date	Current Due Date	# Ext.
1). TES = QA Technical Services	12/31/93	12/31/93	0
2). RGC = Regulatory Compliance	12/31/93	03/01/94	1

Responsible Group for Cause Code Evaluation : TES Due Date: 12/31/93

Responsible Group for Overall PIP Approval : TES Due Date: / /

Screened By: WGGOODMA Group: SRG Date: 12/06/93





Today's Date : 03/09/94  
Time : 14:58  
Page No. : 4  
PIP Serial No. : 1-C93-1064

MSE Serial No. :  
LER Serial No. :  
Other Rpt. No. : NRC RPT 93-32

**CATAWBA NUCLEAR STATION  
Problem Investigation Process  
Problem Investigation Form**

of J O Barbour, Manager QA Tech Services.

Originated by: RFCOLE      Group: TES      Date: 12/17/93

Is Proposed Resolution ready for approval? (y,n): Yes

Assigned To : RFCOLE /      Mgmt Exception: No  
Orig Due Date : 12/31/93      Curr Due Date : 12/31/93      # of Ext.: 0  
Approved By : RFCOLE      Group : TES      App Date : 12/17/93

Proposed Resolution From: RGC      Grp Status: CLOSED

Notice of Violation (VIO 50-413,414/93-32-01) Failure to include welds in ISI Plan (paragraph 2c.2 of IR 93-32)

TWO CACs (#2 AND #3) HAVE BEEN ADDED TO THIS PIP AS A RESULT OF COMMITMENTS MADE TO NRC.

Unresolved Item (URI 50-413,414/93-32-02) Use of gray magnetic powder on bright metal finish weldments (pagraph 2c.3 of IR 93-32)

ONE CAC (#5) HAS BEEN ADDED TO THIS PIP TO TRACK CORRECTIVE ACTIONS TO ADRESS THIS URI.

A weakness was identified with regards to Catawba's referencing system used for the lay out of ISI welds. This appears to be the result of inconsistency in two related procedures on this subject.

ONE CAC (#4) HAS BEEN ADDED TO THIS PIP TO TRACK CORRECTIVE ACTIONS TO ADDRESS THIS WEAKNESS.

The following is the Response to Notice of Violation 93-32-01 submitted to NRC on 01/31/94 under DL Rehn's signature:

During an NRC inspection conducted on November 17-19, 1993, and November 29-December 3, 1993, a violation of NRC requirements was identified. In accordance with the "General Statement of Policy and Procedure for NRC Enforcement Action," 10 CFR Part 2, Appendix C, the violation is listed below:

ASME Code, Section XI, 1980 Edition Subarticle IWA-1400, states in part that the owner is responsible for the preparation of written plans and schedules...including diagrams or system drawings identifying components subject to examination and for the performance of the required examinations.

Today's Date : 03/09/94  
Time : 14:58  
Page No. : 5  
PIP Serial No. : 1-C93-1064

MSE Serial No. :  
LER Serial No. :  
Other Rpt. No. : NRC RPT 93-32

**CATAWBA NUCLEAR STATION  
Problem Investigation Process  
Problem Investigation Form**

Contrary to the above, on November 30, 1993, the licensee's written plan and schedule did not provide for the code required surface examinations on the safe-end to pipe weld in each of the four safety injection accumulator tanks for Catawba Units 1 and 2.

RESPONSE:

1. Reason For Violation

The eight (four per unit) safety injection accumulator tank outlet nozzle to safe-end welds were examined by ultrasonics during Preservice Inspection at Catawba Units 1 and 2. Failure to include these dissimilar metal welds as part of the required 25% sampling of Class 2 piping was an oversight during development of the original First Interval Inservice Inspection Plan for Catawba Units 1 and 2 in 1984 through 1985.

2. Corrective Actions Taken And Results Achieved

Addenda serial numbers CAT1-0280, CAT1-0281, and CAT2-0166 to the Catawba Units 1 and 2 First Interval Inservice Inspection Plan were written to add and schedule the safety injection accumulator tank outlet nozzle to safe-end welds. Unit 1 welds were examined during Unit 1 EOC7. The four nozzle to safe end welds were found acceptable per Duke procedure NDE-35. Unit 2 welds have been scheduled for examination during Unit 2 EOC6/EOC7. Therefore, both Units 1 and 2 welds will meet the first interval requirements of the 1980 edition of ASME Section XI, through Winter 1981 Addenda.

A review of all Class 1 and Class 2 piping safe end welds was performed to assure all required dissimilar metal welds are currently included in the Catawba Units 1 and 2 First Interval Inservice Inspection Plan. No additional omissions were identified during this review.

3. Corrective Actions To Be Taken To Avoid Further Deviations

Development of the Catawba Unit 1 Second Interval Inservice Inspection Plan will be completed by 12/26/94. During this plan development, a complete and thorough review of all Unit 1 flow diagrams, construction piping isometrics, design piping drawings, vendor piping sketches, equipment drawings, and other related documentation will be performed. Since Unit 1 and Unit 2 are essentially identical, this review will serve the same purpose on

Today's Date : 03/09/94  
Time : 14:58  
Page No. : 6  
PIP Serial No. : 1-C93-1064

MSE Serial No. :  
LER Serial No. :  
Other Rpt. No. : NRC RPT 93-32

**CATAWBA NUCLEAR STATION  
Problem Investigation Process  
Problem Investigation Form**

both units. [Assigned to TES] See CAC #2 PIP 1-C93-1064

Any items identified during the above review which require inservice inspection in the First Interval, but not currently shown in the Plan, will be added to the inspection plan and scheduled for examination. There will be one refueling outage (Unit 1 EOC8 and Unit 2 EOC7) remaining in each unit to complete this requirement. [Assigned to TES] See CAC #3 PIP 1-C93-1064

4. Date Of Full Compliance

Duke Power Company is now in full compliance.

Originated by: KENICHOL Group: RGC Date: 02/21/94

Revised by: KENICHOL Group: RGC Date: 02/21/94

Revised by: KENICHOL Group: RGC Date: 02/21/94

Is Proposed Resolution ready for approval? (y,n): Yes

Assigned To : KENICHOL / ZLTAYLOR Mgmt Exception: No  
Orig Due Date : 12/31/93 Curr Due Date : 03/01/94 # of Ext.: 1  
Approved By : LJRUDY Group : RGC App Date : 02/21/94

Remarks:

IV. Corrective Actions

Brief Proposed Corrective Action:

Resp Grp: TES

Orig Grp: TES

- 1 Revise Inservice Inspection Plan for both CNS units to add the Safety Injection Accumulator Tank Outlet Nozzle to Safe-end welds.

Prop CAC: A2

Actual CAC:

Outage :

Today's Date : 03/09/94  
Time : 14:58  
Page No. : 7  
PIP Serial No. : 1-C93-1064

MSE Serial No. :  
LER Serial No. :  
Other Rpt. No. : NRC RPT 93-32

CATAWBA NUCLEAR STATION  
Problem Investigation Process  
Problem Investigation Form

Work Orders/Requests:

MOD Info: Mode:  
RGC Item : RGC Item:  
SRG Item : QVD Item:  
INPO Item:  
Actual Corrective Action Resolution From: TES Grp Status: CLOSED

Plan addendum serial numbers CAT1-0280, CAT1-0281 and CAT2-0166 were written to add and schedule the Safety Injection Accumulator Tank Outlet Nozzle to Safe-end welds to the Catawba Unit 1 and 2 First Interval Inservice Inspection Plan. The unit 1 welds were examined during RFO #7 and found acceptable per NDE-35. A review of units 1 and 2 Class 2 piping safe end welds was performed and no additional areas were identified.

These corrective actions are being entered and approved on behalf of J O Barbour, Manager QA Tech Services.

Originated by: RFCOLE Group: TES Date: 12/17/93

Is Corrective Action ready for approval? (y,n): Yes  
Assigned To : RFCOLE / Mgmt Exception: No  
Orig Due Date : 03/01/94 Curr Due Date: 03/01/94 # of Ext.: 0  
Approved By : RFCOLE Group: TES App Date : 12/17/93

Brief Proposed Corrective Action: Resp Grp: TES  
Orig Grp: RGC  
2 VIO 93-32-01 Develop Catawba Unit 1 Second Interval ISI Plan  
Complete, thorough review of U1 flow diagrams, isos, design  
dwgs, etc, will be performed. The due date is an NRC commit-  
ment.

Prop. CAC: A3 Actual CAC: Outage :

Work Orders/Requests:

MOD Info: Mode:  
RGC Item : NRC-VIO-93-32-01 RGC Item:  
SRG Item : QVD Item:  
INPO Item:  
Actual Corrective Action Resolution From: TES Grp Status: OPEN

Is Corrective Action ready for approval? (y,n): No

Today's Date : 03/09/94  
Time : 14:58  
Page No. : 8  
PIP Serial No. : 1-C93-1064

MSE Serial No. :  
LER Serial No. :  
Other Rpt. No. : NRC RPT 93-32

CATAWBA NUCLEAR STATION  
Problem Investigation Process  
Problem Investigation Form

Assigned To : / Mgmt Exception: No  
Orig Due Date : 03/01/94 Curr Due Date: 12/26/94 # of Ext.: 0  
Approved By : Group: App Date : / /  
RGC Concurrence: Date : / /

Brief Proposed Corrective Action: Resp Grp: TES  
Orig Grp: RGC

- 3 VIO 93-32-01 Items identified in CAC #2 which are not currently in first interval plan, will be added. The committed due date to the NRC for this CAC is 1EOC8 and 2EOC7.

Prop CAC: A3 Actual CAC: Outage :

Work Orders/Requests:

MOD Info: Mode:  
RGC Item : NRC-VIO-93-32-01 RGC Item:  
SRG Item : QVD Item:  
INPO Item:  
Actual Corrective Action Resolution From: TES Grp Status: OPEN

Is Corrective Action ready for approval? (y,n): No

Assigned To : / Mgmt Exception: No  
Orig Due Date : 03/01/94 Curr Due Date: 02/27/95 # of Ext.: 0  
Approved By : Group: App Date : / /  
RGC Concurrence: Date : / /

Brief Proposed Corrective Action: Resp Grp: SRG  
Orig Grp: RGC

- 4 WEAKNESS NRC IR 93-32 in regards to referencing system used for the lay out of ISI welds. Appears to be result of inconsistency in two related procedures of this subject. This completion date is NOT committed to NRC in writing.

Prop CAC: A3 Actual CAC: A3 Outage :

Work Orders/Requests:

MOD Info: Mode:  
RGC Item : NRC-WEAK-93-32-XX RGC Item:  
SRG Item : QVD Item:  
INPO Item:  
Actual Corrective Action Resolution From: SRG Grp Status: RGRDY

Today's Date : 03/09/94  
Time : 14:58  
Page No. : 9  
PIP Serial No. : 1-C93-1064

MSE Serial No. :  
LER Serial No. :  
Other Rpt. No. : NRC RPT 93-32

CATAWBA NUCLEAR STATION  
Problem Investigation Process  
Problem Investigation Form

Procedure NDE-90 has been revised to require marking or verifying marking prior to examining the welds.

Originated by: JJMCARDLE Group: DTD Date: 03/08/94

Is Corrective Action ready for approval? (y,n): Yes  
Assigned To : JJMCARDL / Mgmt Exception: No  
Orig Due Date : 03/01/94 Curr Due Date: 06/01/94 # of Ext.: 0  
Approved By : DSMILLER Group: SRG App Date : 03/08/94  
RGC Concurrence: Date : / /

Brief Proposed Corrective Action: Resp Grp: SRG  
Orig Grp: RGC  
5 URI 93-32-02 For use of gray powder to perform magnetic particle examination on a bright metal carbon steel weld. This due date was NOT commitment to the NRC in writing.

Prop CAC: A3 Actual CAC: A3 Outage :

Work Orders/Requests:

MOD Info: Mode:  
RGC Item : NRC-URI-93-32-02 RGC Item:  
SRG Item : QVD Item:  
INPO Item:  
Actual Corrective Action Resolution From: SRG Grp Status: RGCRDY

Procedure NDE-25 was revised (Revision 16), Page 4 states "Dry Powder No. 1 Gray shall not be used on freshly ground or polished steel.

Originated by: TLTUCKER Group: DTD Date: 03/08/94

Is Corrective Action ready for approval? (y,n): Yes  
Assigned To : CBCHEEZE / Mgmt Exception: No  
Orig Due Date : 03/01/94 Curr Due Date: 06/01/94 # of Ext.: 0  
Approved By : DSMILLER Group: SRG App Date : 03/08/94  
RGC Concurrence: Date : / /

Today's Date : 03/09/94  
Time : 14:58  
Page No. : 10  
PIP Serial No. : 1-C93-1064

MSE Serial No. :  
LER Serial No. :  
Other Rpt. No. : NRC RPT 93-32

---

CATAWBA NUCLEAR STATION  
Problem Investigation Process  
Problem Investigation Form

---

V. Final and Overall PIP Approval

Criterion XVI Review:

XVI Review Not Required for this PIP

Overall PIP Approval:

Assigned To:                    /                    Due Date:    /    /  
Approved By:                    Group: TES                    Date:        /    /

Supplemental Concurrences - These do not affect PIP Closure

Concurrences associated with External Commitments

RGC Concurrence By :                    Date:        /    /

---

End of the Document FOR PIP No.: 1-C93-1064  
The Status of this PIP No. is : OPEN



9.0 Reference Documents

The following reference documents apply to the Inservice Inspection performed during Outage 7 at Catawba Nuclear Station Unit 1.

Duke Power Company Request for Relief Serial No. 93-02

Duke Power Company Request for Relief Serial No. 94-01

1993 Reactor Vessel Examination Report for Duke Power Company Catawba Unit 1 - By B&W Nuclear Technologies (This report is on file at Catawba Nuclear Station)

Catawba Unit 1 EOC 7 Eddy Current Report (This report is on file at McGuire Nuclear Station - Generation Services Department, Diversified Services Division)

DUKE POWER COMPANY  
Request for Relief From  
Inservice Inspection Requirement

Station: Catawba

Unit: 1 & 2

Requesting Department: Nuclear Generation Department

Reference Code: ASME Boiler and Pressure Vessel Code, Section XI 1980 Edition through  
Winter 1981 Addenda

I. Component for which exemption is requested:

a. Name and Identification Number:

Reactor Pressure Vessel Outlet Nozzle -to- Vessel Welds and Outlet Nozzle Inside  
Radius Sections.

b. Function:

Welded connection between the Reactor Pressure Vessel and respective Reactor  
Coolant Piping providing a flow path to the Steam Generator.

c. ASME Section XI Code Class: 1

d. Construction Code and Class (If Applicable): NA

e. Valve Category (If Applicable): NA

II. Reference Code Requirement that has been determined to be impractical:

ASME Section XI, Table IWB-2500-1; Category B-D, Item Numbers B3.90 and B3.100.  
NOTE (3) : At least 25% but not more than 50% (credited) of the nozzles shall be  
examined by the end of the first inspection period and the remainder by the end of the  
third inspection period of each inspection interval.

ASME Section XI, IWB-2420 (a) : The sequence of component examinations established  
during the first inspection interval shall be repeated during each successive inspection  
interval to the extent practical.

III. Basis for Requesting Relief:

During the first period of the first ten year inspection interval at Catawba Nuclear Station, Units 1 & 2, the Reactor Vessel Outlet Nozzle -to- Vessel Welds, Outlet Nozzle Inside Radius Sections, Outlet Nozzle -to- Safe End Welds, and Outlet Nozzle Safe End -to- Reactor Coolant System Piping Welds were examined from the Nozzle ID using Babcock and Wilcox's Automated Reactor Vessel Inspection System ( ARIS ). These examinations for each unit met the first inspection interval requirements of ASME Section XI, 1980 Edition through W81 Addenda, Table IWB-2500-1; Category B-D, NOTE (2). No recordable indications were detected.

During the third period of the first ten year inspection interval, the Pressure Retaining Welds in the Reactor Vessel, the Reactor Vessel Outlet Nozzle -to-Vessel Welds (from the Vessel ID ), the Reactor Vessel Inlet Nozzle -to- Vessel Welds, Inlet Nozzle Inside Radius Sections, Inlet Nozzle -to- Safe End Welds, and Inlet Nozzle Safe End -to- Reactor Coolant Piping Welds will be examined using ARIS. This examination will complete the first inspection interval requirements of ASME Section XI, 1980 Edition through W81 Addenda, for the inspection categories represented by these examinations. At the same time, with ARIS already installed on the Reactor Vessel, we will also examine from the Nozzle ID, the Reactor Vessel Outlet Nozzle -to- Vessel Welds, Outlet Nozzle Inside Radius Sections, Outlet Nozzle -to- Safe End Welds, and Outlet Nozzle Safe End -to- Reactor Coolant System Piping Welds to the requirements of both the 1989 and 1992 editions of Section XI of the ASME Code, with exception to Appendix VIII. Credit for these examinations will be applied to the second inspection interval first period requirement for the Nozzle -to- Vessel Welds and Nozzle Inside Radius Sections per ASME Section XI, Table IWB-2500-1; Category B-D, Item Numbers B3.90 and B3.100. These examinations will also be applied to meet the second inspection interval percentage requirements of ASME Section XI, Table IWB-2412-1; Inspection Program B. The Reactor Vessel Outlet Nozzle -to- Vessel Welds and Outlet Nozzle Inside Radius Sections will therefore not be examined during the first period of the second inspection interval.

Following this inspection sequence will substantially reduce radiation exposure, critical path time, risks related to contaminated shipments, and generation of radwaste, without effecting the safe operation or reliability of the Reactor Vessel.

IV. Alternate Examination:

Automated examination of all Reactor Vessel Nozzle -to- Vessel Welds, Nozzle Inside Radius Sections, Nozzle -to- Safe End Welds, and Nozzle Safe End -to- Reactor Coolant System Piping Welds will be deferred to the last period of the second ten year inspection interval.

V. Implementation Schedule:

Examinations are currently scheduled to be performed during the third inspection period for each of the Catawba Units as shown below :

Catawba Unit 1 : RFO # 7, 1993  
Catawba Unit 2 : RFO # 7, 1995

Evaluated By:	<u>J. T. Cherry</u>	Date: <u>10-5-93</u>
NDE Level III Review:	<u>James J. McQuillan</u>	Date: <u>10-5-93</u>
Compliance Review:	<u>Walter B. Jones</u>	Date: <u>10-6-93</u>
Reviewed By:	<u>J. Zink</u>	Date: <u>10-6-93</u>

DUKE POWER COMPANY  
Request for Relief From  
Inservice Inspection Requirement

Station: Catawba

Unit: 1

Requesting Department: Nuclear Generation Department

Reference Code: ASME Boiler and Pressure Vessel Code, Section XI 1980 Edition  
through Winter 1981 Addenda

I. Component for which exemption is requested:

a. Name and Identification Number:

**Reactor Vessel**

<u>Weld Numbers</u>	<u>Item Numbers</u>
1RPV-W03	B01.011.001
1RPV-W06	B01.011.004
1RPV-W01	B01.021.001
1RPV-W02-01	B01.022.001
1RPV-W02-03	B01.022.003
1RPV-W02-04	B01.022.004
1RPV-W02-05	B01.022.005
1RPV-W02-06	B01.022.006
1RPV-W11	B03.090.001
1RPV-W11	B03.090.001A
1RPV-W12	B03.090.002
1RPV-W12	B03.090.002A
1RPV-W13	B03.090.003
1RPV-W13	B03.090.003A
1RPV-W14	B03.090.004
1RPV-W14	B03.090.004A
1RPV-W15	B03.090.005
1RPV-W15	B03.090.005A
1RPV-W16	B03.090.006
1RPV-W16	B03.090.006A
1RPV-W17	B03.090.007
1RPV-W17	B03.090.007A
1RPV-W18	B03.090.008
1RPV-W18	B03.090.008A
1RPV-W11	B03.100.001
1RPV-W12	B03.100.002

**Reactor Vessel**

<u>Weld Numbers</u>	<u>Item Numbers</u>
1RPV-W13	B03.100.003
1RPV-W14	B03.100.004
1RPV-W15	B03.100.005
1RPV-W16	B03.100.006
1RPV-W17	B03.100.007
1RPV-W18	B03.100.008

**Pressurizer**

<u>Weld Numbers</u>	<u>Item Numbers</u>
1PZR-W4A	B03.110.004
1PZR-W4B	B03.110.005
1PZR-W4C	B03.110.006
1PZR-W4A	B03.120.004
1PZR-W4B	B03.120.005
1PZR-W4C	B03.120.006
1PZR-W4ASE	B05.040.004
1PZR-W4BSE	B05.040.005
1PZR-W4CSE	B05.040.006

**Steam Generator**

<u>Weld Numbers</u>	<u>Item Numbers</u>
1SGC-INLET	B03.140.005
1SGC-OUTLET	B03.140.006
1SGC-INLET-SE	B05.070.005
1SGC-OUTLET-SE	B05.070.006

**Reactor Coolant System (NC)**

<u>Weld Numbers</u>	<u>Item Numbers</u>
1NC25-02	B05.130.014
1NC25-03	B05.130.015
1NC22-WN8	B09.031.003

## b. Function:

Reactor Vessel - Houses the fuel assemblies, control rods, and vessel internals, also directs the flow of reactor coolant.

Pressurizer - Maintains reactor coolant system pressure within set limits and provides a surge volume for the reactor coolant system.

Steam Generator - Acts as a heat exchanger in the reactor coolant system.

Reactor Coolant System - Transports heat energy from reactor core to steam generator.

c. ASME Section XI Code Class: Class 1

d. Construction Code and Class (If Applicable):

ASME Section III, 1974 Edition through Summer 1974 Addenda, Class 1

e. Valve Category (If Applicable): NA

II. Reference Code Requirement that has been determined to be impractical:

Examination Category B-A, Pressure Retaining Welds in Reactor Vessel, Table IWB-2500-1, Figure Nos. IWB-2500-1 and IWB-2500-3; "Note 2: Includes essentially 100% of the weld length".

Examination Category B-D, Full Penetration Welds of Nozzles in Vessels - Inspection Program B, Table IWB-2500-1, Figure No. IWB-2500-7; 100% examination coverage.

Examination Category B-F, Pressure Retaining Dissimilar Metal Welds, Table IWB-2500-1, Figure No. IWB-2500-8; 100% examination coverage.

Examination Category B-J, Pressure Retaining Welds in Piping, Table IWB-2500-1, Figure No. IWB-2500-11; "Note 3: Includes essentially 100% of the weld length".

III. Basis for Requesting Relief:

During the ultrasonic examination of the welds shown in Attachment 1, the minimum 90% coverage requirement of ASME Section XI, 1980 Edition through Winter 1981 Addenda, clarified by Code Case N-460, could not be obtained due to part geometry and actual physical barriers. A combination of multiple angles and UT techniques was used to obtain maximum coverage possible. The attached examination reports document the actual amount of examination coverage obtained.

Although the coverage requirements of ASME Section XI could not be met, the amount of coverage obtained for these examinations provides an acceptable level of quality and integrity. Based on these evaluations, the limited coverage will in no way endanger the health and safety of the general public.

No additional examinations are required.

IV. Alternate Examination:

The use of radiography as an alternate volumetric examination method is not practical due to component thicknesses and geometric configurations. Other restrictions making radiography impractical are the use of double wall techniques and physical barriers prohibiting access for placement of source, film, number bands, etc.

We will continue to use the most current ultrasonic techniques available for future examinations of the Item Numbers shown in Attachment 1.

V. Implementation Schedule:

These examinations will continue to be scheduled in accordance with the requirements of ASME Section XI for future Inspection Intervals at Catawba Nuclear Station, Unit 1.

Evaluated By:	<u>J. E. Cherry</u>	Date:	<u>3/10/94</u>
NDE Level III Review:	<u>James J. McAllen</u>	Date:	<u>3/10/94</u>
Compliance Review:	<u>Lawrence Bluff</u>	Date:	<u>3/10/94</u>
Reviewed By:	<u>J. Barkow</u>	Date:	<u>3/10/94</u>



Item No.	Exam Category /Figure No.	System Or Component	Function	Area To Be Examined	Reason For Request	Proposed Alternate Examination
B01.011.001	B-A IWB-2500-1	Reactor Vessel	Houses the fuel assemblies, control rods, and vessel internals, also directs the flow of reactor coolant	Lower Head to Shell Weld	Limited scan due to geometric configuration. Actual coverage obtained =43.60%	None
B01.011.004	B-A IWB-2500-1	Reactor Vessel	Houses the fuel assemblies, control rods, and vessel internals, also directs the flow of reactor coolant	Shell to Nozzle Belt Weld	Limited scan due to geometric configuration. Actual coverage obtained =48.20%	None
B01.021.001	B-A IWB-2500-3	Reactor Vessel	Houses the fuel assemblies, control rods, and vessel internals, also directs the flow of reactor coolant	Lower Head Weld	Limited scan due to geometric configuration. Actual coverage obtained =53.40%	None
B01.022.001	B-A IWB-2500-3	Reactor Vessel	Houses the fuel assemblies, control rods, and vessel internals, also directs the flow of reactor coolant	Lower Head Meridional Weld 302 Deg.	Limited scan due to geometric configuration. Actual coverage obtained =68.20%	None
B01.022.003	B-A IWB-2500-3	Reactor Vessel	Houses the fuel assemblies, control rods, and vessel internals, also directs the flow of reactor coolant	Lower Head Meridional Weld 182 Deg.	Limited scan due to geometric configuration. Actual coverage obtained =77.10%	None
B01.022.004	B-A IWB-2500-3	Reactor Vessel	Houses the fuel assemblies, control rods, and vessel internals, also directs the flow of reactor coolant	Lower Head Meridional Weld 122 Deg.	Limited scan due to geometric configuration. Actual coverage obtained =77.10%	None
B01.022.005	B-A IWB-2500-3	Reactor Vessel	Houses the fuel assemblies, control rods, and vessel internals, also directs the flow of reactor coolant	Lower Head Meridional Weld 62 Deg.	Limited scan due to geometric configuration. Actual coverage obtained =50.00%	None
B01.022.006	B-A IWB-2500-3	Reactor Vessel	Houses the fuel assemblies, control rods, and vessel internals, also directs the flow of reactor coolant	Lower Head Meridional Weld 2 Deg.	Limited scan due to geometric configuration. Actual coverage obtained =77.10%	None
B03.090.001	B-D IWB-2500-7	Reactor Vessel	Houses the fuel assemblies, control rods, and vessel internals, also directs the flow of reactor coolant	Inlet Nozzle to Shell 67 Deg. UT from Vessel ID	Limited scan due to geometric configuration. Actual coverage obtained =69.20%	None
303.090.001A	B-D IWB-2500-7	Reactor Vessel	Houses the fuel assemblies, control rods, and vessel internals, also directs the flow of reactor coolant	Inlet Nozzle to Shell 67 Deg. UT from Nozzle ID	Limited scan due to geometric configuration. Actual coverage obtained =69.20%	None

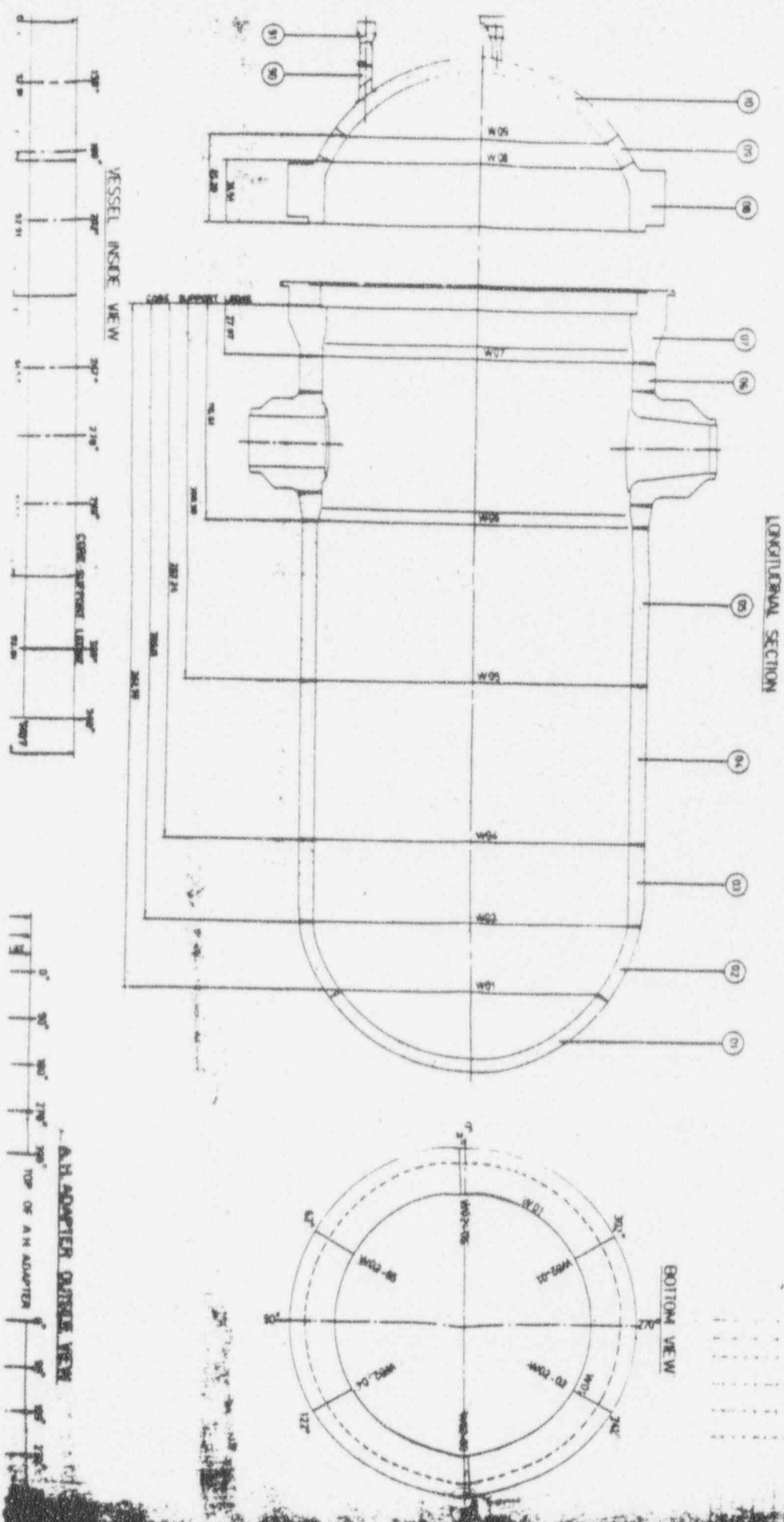
Item No.	Exam Category /Figure No.	System Or Component	Function	Area To Be Examined	Reason For Request	Licensee Proposed Alternate Examination
B03.090.002	B-D IWB-2500-7	Reactor Vessel	Houses the fuel assemblies, control rods, and vessel internals, also directs the flow of reactor coolant	Inlet Nozzle to Shell 113 Deg. UT from Vessel ID	Limited scan due to geometric configuration. Actual coverage obtained =69.20%	None
103.090.002A	B-D IWB-2500-7	Reactor Vessel	Houses the fuel assemblies, control rods, and vessel internals, also directs the flow of reactor coolant	Inlet Nozzle to Shell 113 Deg. UT from Nozzle ID	Limited scan due to geometric configuration. Actual coverage obtained =69.20%	None
B03.090.003	B-D IWB-2500-7	Reactor Vessel	Houses the fuel assemblies, control rods, and vessel internals, also directs the flow of reactor coolant	Inlet Nozzle to Shell 247 Deg. UT from Vessel ID	Limited scan due to geometric configuration. Actual coverage obtained =69.20%	None
103.090.003A	B-D IWB-2500-7	Reactor Vessel	Houses the fuel assemblies, control rods, and vessel internals, also directs the flow of reactor coolant	Inlet Nozzle to Shell 247 Deg. UT from Nozzle ID	Limited scan due to geometric configuration. Actual coverage obtained =69.20%	None
B03.090.004	B-D IWB-2500-7	Reactor Vessel	Houses the fuel assemblies, control rods, and vessel internals, also directs the flow of reactor coolant	Inlet Nozzle to Shell 293 Deg. UT from Vessel ID	Limited scan due to geometric configuration. Actual coverage obtained =69.20%	None
103.090.004A	B-D IWB-2500-7	Reactor Vessel	Houses the fuel assemblies, control rods, and vessel internals, also directs the flow of reactor coolant	Inlet Nozzle to Shell 293 Deg. UT from Nozzle ID	Limited scan due to geometric configuration. Actual coverage obtained =69.20%	None
B03.090.005	B-D IWB-2500-7	Reactor Vessel	Houses the fuel assemblies, control rods, and vessel internals, also directs the flow of reactor coolant	Outlet Nozzle to Shell 22 Deg. UT from Vessel ID	Limited scan due to geometric configuration. Actual coverage obtained =43.70%	None
103.090.005A	B-D IWB-2500-7	Reactor Vessel	Houses the fuel assemblies, control rods, and vessel internals, also directs the flow of reactor coolant	Outlet Nozzle to Shell 22 Deg. UT from Nozzle ID	Limited scan due to geometric configuration. Actual coverage obtained =43.70%	None
B03.090.006	B-D IWB-2500-7	Reactor Vessel	Houses the fuel assemblies, control rods, and vessel internals, also directs the flow of reactor coolant	Outlet Nozzle to Shell 158 Deg. UT from Vessel ID	Limited scan due to geometric configuration. Actual coverage obtained =43.70%	None

Item No.	Exam Category /Figure No.	System Or Component	Function	Area To Be Examined	Reason For Request	Licensee Proposed Alternate Examination
103.090.006A	B-D IWB-2500-7	Reactor Vessel	Houses the fuel assemblies, control rods, and vessel internals, also directs the flow of reactor coolant	Outlet Nozzle to Shell 158 Deg. UT from Nozzle ID	Limited scan due to geometric configuration. Actual coverage obtained =43.70%	None
B03.090.007	B-D IWB-2500-7	Reactor Vessel	Houses the fuel assemblies, control rods, and vessel internals, also directs the flow of reactor coolant	Outlet Nozzle to Shell 202 Deg. UT from Vessel ID	Limited scan due to geometric configuration. Actual coverage obtained =43.70%	None
103.090.007A	B-D IWB-2500-7	Reactor Vessel	Houses the fuel assemblies, control rods, and vessel internals, also directs the flow of reactor coolant	Outlet Nozzle to Shell 202 Deg. UT from Nozzle ID	Limited scan due to geometric configuration. Actual coverage obtained =43.70%	None
B03.090.008	B-D IWB-2500-7	Reactor Vessel	Houses the fuel assemblies, control rods, and vessel internals, also directs the flow of reactor coolant	Outlet Nozzle to Shell 338 Deg. UT from Vessel ID	Limited scan due to geometric configuration. Actual coverage obtained =43.70%	None
103.090.008A	B-D IWB-2500-7	Reactor Vessel	Houses the fuel assemblies, control rods, and vessel internals, also directs the flow of reactor coolant	Outlet Nozzle to Shell 338 Deg. UT from Nozzle ID	Limited scan due to geometric configuration. Actual coverage obtained =43.70%	None
B03.100.001	B-D IWB-2500-7	Reactor Vessel	Houses the fuel assemblies, control rods, and vessel internals, also directs the flow of reactor coolant	Inlet Nozzle to Shell 67 Deg. Inside Radius Section	Limited scan due to geometric configuration. Actual coverage obtained =64.60%	None
B03.100.002	B-D IWB-2500-7	Reactor Vessel	Houses the fuel assemblies, control rods, and vessel internals, also directs the flow of reactor coolant	Inlet Nozzle to Shell 113 Deg. Inside Radius Section	Limited scan due to geometric configuration. Actual coverage obtained =64.60%	None
B03.100.003	B-D IWB-2500-7	Reactor Vessel	Houses the fuel assemblies, control rods, and vessel internals, also directs the flow of reactor coolant	Inlet Nozzle to Shell 247 Deg. Inside Radius Section	Limited scan due to geometric configuration. Actual coverage obtained =64.60%	None

Item No.	Exam Category /Figure No.	System Or Component	Function	Area To Be Examined	Reason For Request	Licensee Proposed Alternate Examination
B03.100.004	B-D IWB-2500-7	Reactor Vessel	Houses the fuel assemblies, control rods, and vessel internals, also directs the flow of reactor coolant	Inlet Nozzle to Shell 293 Deg. Inside Radius Section	Limited scan due to geometric configuration. Actual coverage obtained =64.60%	None
B03.100.005	B-D IWB-2500-7	Reactor Vessel	Houses the fuel assemblies, control rods, and vessel internals, also directs the flow of reactor coolant	Outlet Nozzle to Shell 22 Deg. Inside Radius Section	Limited scan due to geometric configuration. Actual coverage obtained =87.70%	None
B03.100.006	B-D IWB-2500-7	Reactor Vessel	Houses the fuel assemblies, control rods, and vessel internals, also directs the flow of reactor coolant	Outlet Nozzle to Shell 158 Deg. Inside Radius Section	Limited scan due to geometric configuration. Actual coverage obtained =87.70%	None
B03.100.007	B-D IWB-2500-7	Reactor Vessel	Houses the fuel assemblies, control rods, and vessel internals, also directs the flow of reactor coolant	Outlet Nozzle to Shell 202 Deg. Inside Radius Section	Limited scan due to geometric configuration. Actual coverage obtained =87.70%	None
B03.100.008	B-D IWB-2500-7	Reactor Vessel	Houses the fuel assemblies, control rods, and vessel internals, also directs the flow of reactor coolant	Outlet Nozzle to Shell 338 Deg. Inside Radius Section	Limited scan due to geometric configuration. Actual coverage obtained =87.70%	None
B03.110.004	B-D IWB-2500-7	Pressurizer	Maintains reactor coolant system pressure within set limits and provides a surge volume for the reactor coolant system	Safety Nozzle to Upper Head	Limited scan due to geometric configuration. Actual coverage obtained =88.20%	None
B03.110.005	B-D IWB-2500-7	Pressurizer	Maintains reactor coolant system pressure within set limits and provides a surge volume for the reactor coolant system	Safety Nozzle to Upper Head	Limited scan due to geometric configuration. Actual coverage obtained =88.20%	None
B03.110.006	B-D IWB-2500-7	Pressurizer	Maintains reactor coolant system pressure within set limits and provides a surge volume for the reactor coolant system	Safety Nozzle to Upper Head	Limited scan due to geometric configuration. Actual coverage obtained =88.20%	None

Item No.	Exam Category /Figure No.	System Or Component	Function	Area To Be Examined	Reason For Request	Licensee Proposed Alternate Examination
B03.120.004	B-D IWB-2500-7	Pressurizer	Maintains reactor coolant system pressure within set limits and provides a surge volume for the reactor coolant system	Safety Nozzle to Upper Head Inside Radius Section	Limited scan due to geometric configuration. Actual coverage obtained =66.10%	None
B03.120.005	B-D IWB-2500-7	Pressurizer	Maintains reactor coolant system pressure within set limits and provides a surge volume for the reactor coolant system	Safety Nozzle to Upper Head Inside Radius Section	Limited scan due to geometric configuration. Actual coverage obtained =66.10%	None
B03.120.006	B-D IWB-2500-7	Pressurizer	Maintains reactor coolant system pressure within set limits and provides a surge volume for the reactor coolant system	Safety Nozzle to Upper Head Inside Radius Section	Limited scan due to geometric configuration. Actual coverage obtained =66.10%	None
B03.140.005	B-D IWB-2500-7	Steam Generator	Acts as a heat exchanger in the reactor coolant system	Inlet Nozzle Inside Radius Section	Limited scan due to geometric configuration. Actual coverage obtained =55.25%	None
B03.140.006	B-D IWB-2500-7	Steam Generator	Acts as a heat exchanger in the reactor coolant system	Outlet Nozzle Inside Radius Section	Limited scan due to geometric configuration. Actual coverage obtained =55.25%	None
B05.040.004	B-F IWB-2500-8	Pressurizer	Maintains reactor coolant system pressure within set limits and provides a surge volume for the reactor coolant system	Safety Nozzle to Upper Head Safe End	Limited scan due to geometric configuration. Actual coverage obtained =75.00%	None
B05.040.005	B-F IWB-2500-8	Pressurizer	Maintains reactor coolant system pressure within set limits and provides a surge volume for the reactor coolant system	Safety Nozzle to Upper Head Safe End	Limited scan due to geometric configuration. Actual coverage obtained =75.00%	None
B05.040.006	B-F IWB-2500-8	Pressurizer	Maintains reactor coolant system pressure within set limits and provides a surge volume for the reactor coolant system	Safety Nozzle to Upper Head Safe End	Limited scan due to geometric configuration. Actual coverage obtained =75.00%	None
B05.070.005	B-F IWB-2500-8	Steam Generator	Acts as a heat exchanger in the reactor coolant system	Inlet Nozzle Safe End	Limited scan due to geometric configuration. Actual coverage obtained =75.00%	None
B05.070.006	B-F IWB-2500-8	Steam Generator	Acts as a heat exchanger in the reactor coolant system	Outlet Nozzle Safe End	Limited scan due to geometric configuration. Actual coverage obtained =75.00%	None
B05.130.014	B-F IWB-2500-8	Reactor Coolant System (NC)	Transports heat energy from reactor core to steam generator	Pipe to Safe End	Limited scan due to geometric configuration. Actual coverage obtained =75.00%	None

Item No.	Exam Category /Figure No.	System Or Component	Function	Area To Be Examined	Reason For Request	Licensee Proposed Alternate Examination
B05.130.015	B-F IWB-2500-8	Reactor Coolant System (NC)	Transports heat energy from reactor core to steam generator	Pipe to Safe End	Limited scan due to geometric configuration. Actual coverage obtained =75.00%	None
B09.031.003	B-J IWB-2500-11	Reactor Coolant System (NC)	Transports heat energy from reactor core to steam generator	Branch Connection to Main Loop	Limited scan due to geometric configuration. Actual coverage obtained =49.81%	None



Ser.No. 94-01  
 ATTACHMENT 2  
 REACTOR VESSEL  
 OUTLINE  
 RV LOWER HEAD  
 PG 1 OF 68

W-03

Total Exam Area = 53.32 in<sup>2</sup> (Near Surface + Weld + T/2)  
Near Surface Area = 8.37 in<sup>2</sup> (Cross-Section)  
Weld Area = 6.37 in<sup>2</sup> (Cross-Section)  
T/2 Area = 38.58 in<sup>2</sup> (Cross-Section)

**BETWEEN LUGS**

CIRC 70° Gets 6.24 in<sup>2</sup> of Near Surface Area (74.6 %)  
0° Gets 9.07 in<sup>2</sup> of Total Exam Area (17.0 %)  
45° & 60° Get 31.79 in<sup>2</sup> of T/2 Area, .44 in<sup>2</sup> of Weld Area  
Total Coverage =  $\frac{31.79 + 0.44 + 0.44}{38.58 + 6.37 + 6.37} = 63.7 \%$

AXIAL 70° Gets 8.24 in<sup>2</sup> of Near Surface Area; however due to the Full-Node Exam, 100 % Coverage of the Near Surface Area is obtained by the 45° & 60°.  
45° Gets 100 % of Weld and T/2 Area  
60° Gets 100 % of Weld and T/2 Area

**BELOW LUGS**

AXIAL Due to the Full-Node Exam, 7.58 in<sup>2</sup> of the Near Surface Area is obtained by the 60° (90.6 %).  
45° Gets 3.79 in<sup>2</sup> of T/2 Area (0 % Weld Area)  
Total Coverage =  $\frac{3.79 + 0.00 + 0.00}{38.58 + 6.37 + 6.37} = 7.4 \%$   
60° Gets 9.11 in<sup>2</sup> of T/2 Area and 1.23 in<sup>2</sup> of Weld Area  
Total Coverage =  $\frac{9.11 + 1.23 + 0.00}{38.58 + 6.37 + 6.37} = 20.1 \%$

See No. 94-01  
ATTACHMENT 2  
B01.011.001  
IRPV-W03  
PG 2 OF 68



There are six (6) Segments Between Lugs, each 31.60° covered by the center of the head (0° and 60° Circ). The outside transducers each cover an additional 2.06° which results in 35.72° covered by 70°, 60° & 45° Axial and 70° & 45° Circ. There are also six (6) Segments Below Lugs, each covering the remaining 24.28° for Axial Scans.

$$0^\circ \text{ \& \ } 60^\circ \text{ Circ Coverage} = \frac{189.60 \times \% \text{ Between}}{100 \times 360}$$

$$70^\circ \text{ \& \ } 45^\circ \text{ Circ Coverage} = \frac{214.32 \times \% \text{ Between}}{100 \times 360}$$

$$\text{Axial Coverage} = \frac{214.32 \times \% \text{ Between} + 145.68 \times \% \text{ Below}}{100 \times 360}$$

W-03

<u>AXIAL</u>			<u>CIRC</u>			
<u>NS</u>	<u>60</u>	<u>45</u>	<u>70</u>	<u>60</u>	<u>45</u>	<u>0</u>
96.2	67.7	62.5	44.4	33.5	37.9	9.0

Aggregate Coverage =

$$\begin{aligned}
 & [ 96.2 \times 8.37 + (67.7 + 62.5) \times (38.58 + 6.37 + 6.37) \\
 & + 44.4 \times 8.37 + (33.5 + 37.9) \times (38.58 + 6.37 + 6.37) \\
 & + 9.0 \times 53.32 ] / \\
 & [ 8.37 \times 2 + (38.58 + 6.37 + 6.37) \times 4 + 53.32 ] =
 \end{aligned}$$

Aggregate Coverage = 43.6 %

See No. 94-01  
 ATTACHMENT 2  
 B01.011.001  
 IRPV-W03  
 PG 3 OF 68

5.3  
FLANGE SURFACE

TTOM HEAD RADIUS CENTER

342.65  
TO FLANGE SURFACE

WELD REFERENCE LINE

RADIUS = 08.189

(GUIDE LUG LIMIT)

MIN CLEARANCE = 2.00"

.157 NOM

∅ 173.0  
CLAD

8.465  
(T1)

"Z" = 339.28

"Z" = 342.38

"Z" = 349.12

"Z" = 352.22

"Z" = 353.58

"Z" = 356.68

ALPHA = 11.89

ALPHA = 13.17

ALPHA = 13.90

ALPHA = 15.18

ALPHA = 17.39

ALPHA = 19.40

ALPHA = 20.13

ALPHA = 22.14

ALPHA = 24.10

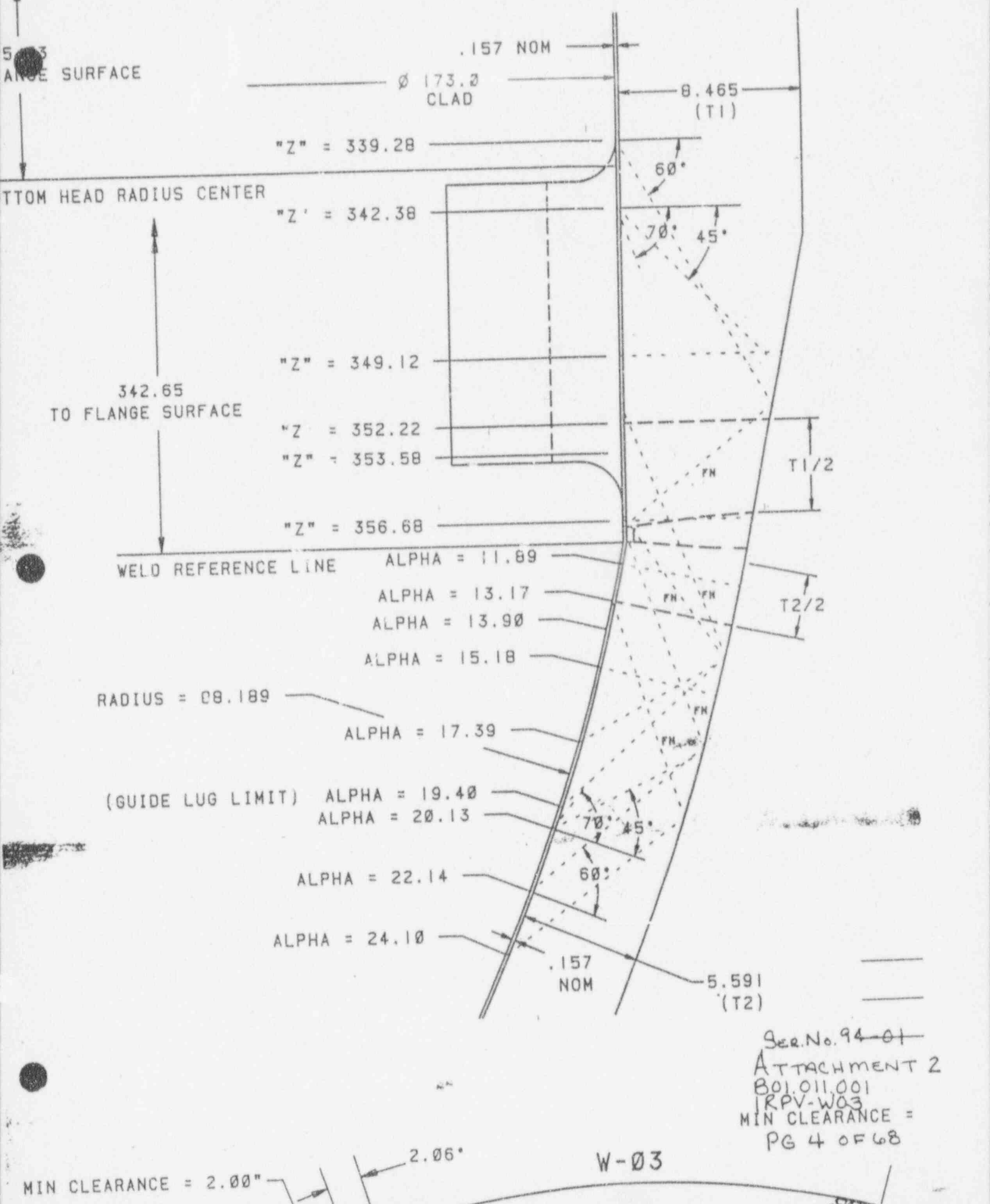
.157  
NOM

5.591  
(T2)

See No. 94-01  
ATTACHMENT 2  
B01.011.001  
RPV-W03  
MIN CLEARANCE =  
PG 4 OF 68

W-03

2.06"



W-06

Total Exam Area = 93.65 in<sup>2</sup> (Near Surface + Weld + T/2)  
Near Surface Area = 10.47 in<sup>2</sup> (Cross-Section)  
Weld Area = 11.38 in<sup>2</sup> (Cross-Section)  
T/2 Area = 71.80 in<sup>2</sup> (Cross-Section)

CIRC 70° Gets 3.82 in<sup>2</sup> of Near Surface Area (36.5 %)  
0° Gets 6.08 in<sup>2</sup> of Total Exam Area (6.5 %)  
45° & 60° Get 28.50 in<sup>2</sup> of T/2 Area (0 % Weld)  
Total Coverage =  $\frac{28.50 + 0.00 + 0.00}{71.80 + 11.38 + 11.38} = 30.1 \%$

AXIAL 70° Gets 5.40 in<sup>2</sup> of Near Surface Area (51.6 %)  
  
45° Gets 63.34 in<sup>2</sup> of T/2 Area  
45°-UP Gets 11.10 in<sup>2</sup> of Weld Area  
45°-DOWN Gets 4.74 in<sup>2</sup> of Weld Area  
Total Coverage =  $\frac{63.34 + 11.10 + 4.74}{71.80 + 11.38 + 11.38} = 83.7 \%$

60° Gets 67.39 in<sup>2</sup> of T/2 Area  
60°-UP Gets 9.87 in<sup>2</sup> of Weld Area  
60°-DOWN Gets 9.34 in<sup>2</sup> of Weld Area  
Total Coverage =  $\frac{67.39 + 9.87 + 9.34}{71.80 + 11.38 + 11.38} = 91.6 \%$

SER. No. 94-01  
ATTACHMENT 2  
BOI.011.004  
IRPV-W06  
PG 5 OF 68

W-06

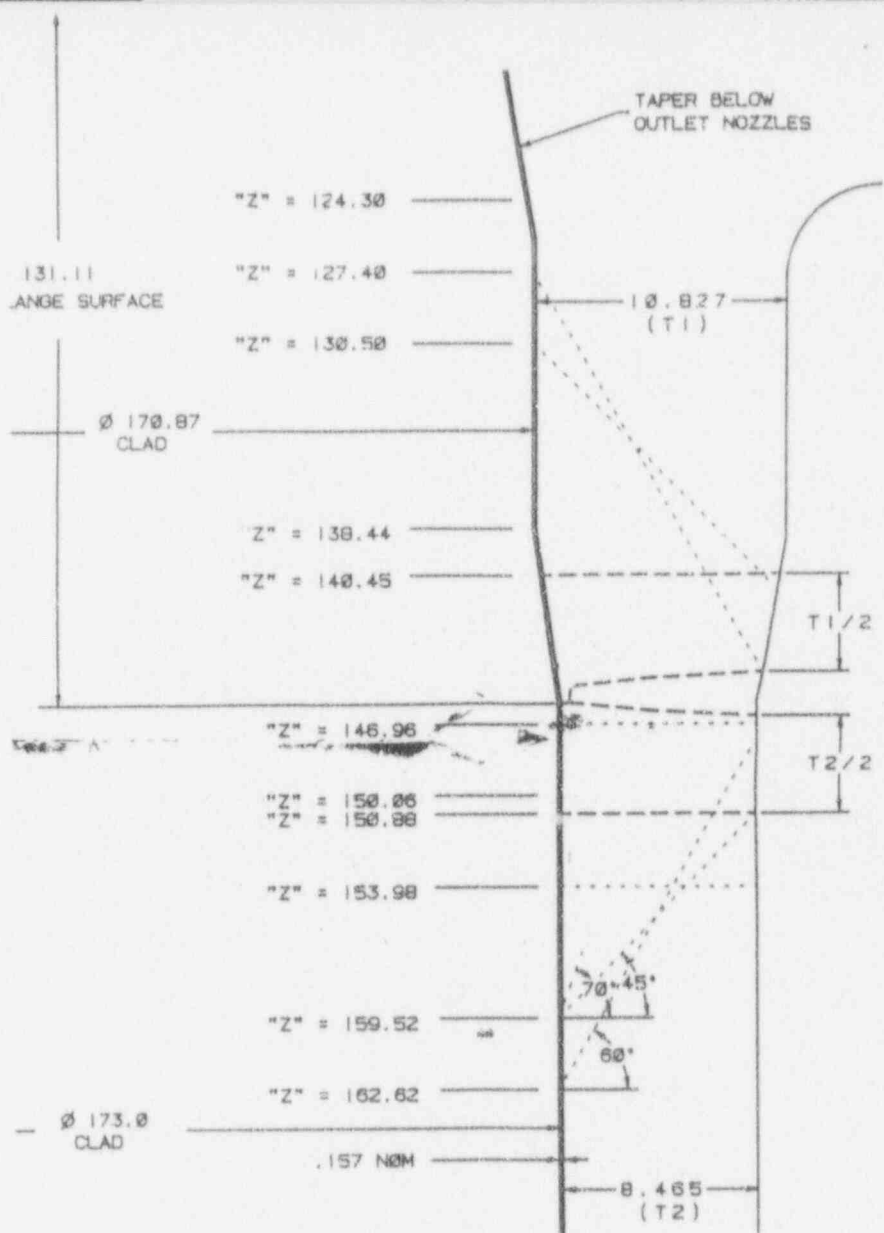
<u>AXIAL</u>			<u>CIRC</u>			
<u>70</u>	<u>60</u>	<u>45</u>	<u>70</u>	<u>60</u>	<u>45</u>	<u>0</u>
51.6	91.6	83.7	36.5	30.1	30.1	6.5

Aggregate Coverage =

$$\begin{aligned} & [ 51.6 \times 10.47 + (91.6 + 83.7) \times (71.80 + 11.38 + 11.38) \\ & + 36.5 \times 10.47 + (30.1 + 30.1) \times (71.80 + 11.38 + 11.38) \\ & + 6.5 \times 93.65 ] / \\ & [ 10.47 \times 2 + (71.80 + 11.38 + 11.38) \times 4 + 94.65 ] = \end{aligned}$$

Aggregate Coverage = 48.2 %

SER. No. 94-01  
ATTACHMENT 2  
BOL 011.004  
IRPV-W06  
PG 6 OF 68



GENERAL NOTES:

1. ALL "Z" DIMENSIONS REFERENCE THE DISTANCE BETWEEN THE MATING SURFACE AND THE ROOM THE CENTER OF

Ser. No. 94-01  
 ATTACHMENT 2  
 B01.011.004  
 1RPV-W06  
 PG 7 OF 68

W-01

Total Exam Area = 41.68 in<sup>2</sup> (Near Surface + Weld + T/2)  
Near Surface Area = 7.27 in<sup>2</sup> (Cross-Section)  
Weld Area = 5.11 in<sup>2</sup> (Cross-Section)  
T/2 Area = 29.30 in<sup>2</sup> (Cross-Section)

CIRC 70° Gets 4.46 in<sup>2</sup> of Near Surface Area (61.3 %)  
0° Gets 7.73 in<sup>2</sup> of Total Exam Area (18.5 %)  
45° & 60° Get 16.02 in<sup>2</sup> of T/2 Area (100 % Weld)  
Total Coverage =  $\frac{16.02 + 5.11 + 5.11}{29.30 + 5.11 + 5.11} = 66.4 \%$

AXIAL 70° Gets 6.20 in<sup>2</sup> of Near Surface Area; however due to the Full Node Exam, 100 % of the Near Surface Area is obtained with the 45° & 60°.  
45° Gets 100 % of Weld and T/2 Area  
60° Gets 100 % of T/2 Area  
60°-UP Gets 100 % of Weld Area  
60°-DOWN Gets 4.77 in<sup>2</sup> of Weld Area  
Total Coverage =  $\frac{29.30 + 5.11 + 4.77}{29.30 + 5.11 + 5.11} = 99.1 \%$

SER. No. 94-01  
ATTACHMENT 2  
B01.021.001  
IRPV-W01  
PG 8 OF 68

W-01 is Obstructed due to Instrument Nozzles. Six (6) Angular Portions of the Weld are Scanned.

Segments are: 16.42°, 13.44°, 59.84°, 76.46°, 49.46° & 43.44°

The outside transducers each cover an additional 2.01° which increases coverage by 4.02° for the 60° & 45° Axial and 70° & 45° Circ.

$$0^\circ \text{ \& \ } 60^\circ \text{ Circ Coverage} = \frac{259.06 \times \% \text{ Between}}{100 \times 360}$$

$$70^\circ \text{ \& \ } 45^\circ \text{ Circ Coverage} = \frac{279.16 \times \% \text{ Between}}{100 \times 360}$$

$$70^\circ \text{ Axial Coverage} = \frac{259.06 \times \% \text{ Between}}{100 \times 360}$$

$$60^\circ \text{ \& \ } 45^\circ \text{ Axial Coverage} = \frac{279.16 \times \% \text{ Between}}{100 \times 360}$$

W-01

<u>AXIAL</u>			<u>CIRC</u>			
<u>NS</u>	<u>60</u>	<u>45</u>	<u>70</u>	<u>60</u>	<u>45</u>	<u>0</u>
72.0	76.8	77.6	47.5	47.8	51.5	13.3

Aggregate Coverage =

$$[ 72.0 \times 7.27 + (76.8 + 77.6) \times (29.30 + 5.11 + 5.11) + 46.5 \times 7.27 + (47.8 + 51.5) \times (29.30 + 5.11 + 5.11) + 13.3 \times 41.68 ] /$$

$$[ 7.27 \times 2 + (29.30 + 5.11 + 5.11) \times 4 + 41.68 ] =$$

Aggregate Coverage = 53.4 %

SER. No. 94-01  
ATTACHMENT 2  
B01.021.001  
IRPV-W01  
PG 9 OF 68





W-02

Total Exam Area = 221.51 in<sup>2</sup> (Near Surface + Weld + T/2)  
(Alpha Cross-Section)  
Near Surface Area = 38.21 in<sup>2</sup> (Alpha Cross-Section)  
Weld & T/2 Area = 183.30 in<sup>2</sup> (Alpha Cross-Section)

The Weld Area occupies 1.30° and T/2 Area occupies 4.48°  
in the Circumferential or Theta Direction.  
Coverage for the Weld & T/2 Areas is based on:  
(4.48 + 1.30 + 1.30) / 5.78 or 122.5 % Area.

CIRC 70° Gets 28.58 in<sup>2</sup> of Near Surface Area (74.8 %)  
45° & 60° Get 136.38 in<sup>2</sup> of Weld & T/2 Area (74.4 %)

AXIAL 70° Gets 30.32 in<sup>2</sup> of Near Surface Area; however due to the  
Full Node Exam, 100 % of the Near Surface Area is  
obtained with the 45° & 60°.

0° Gets 137.45 in<sup>2</sup> of Total Exam Area (62.1 %)

45° Gets 170.84 in<sup>2</sup> of T/2 Area

45°-UP Gets 151.89 in<sup>2</sup> of Weld Area

45°-DOWN Gets 170.84 in<sup>2</sup> of Weld Area

Total Coverage =  $\frac{170.84 \times 4.48 + 151.89 \times 1.30 + 170.84 \times 1.30}{183.30 \times 4.48 + 183.30 \times 1.30 + 183.30 \times 1.30}$   
= 91.3 %

60° Gets 175.32 in<sup>2</sup> of T/2 Area

60°-UP Gets 147.48 in<sup>2</sup> of Weld Area

60°-DOWN Gets 175.32 in<sup>2</sup> of Weld Area

Total Coverage =  $\frac{175.32 \times 4.48 + 147.48 \times 1.30 + 175.32 \times 1.30}{183.30 \times 4.48 + 183.30 \times 1.30 + 183.30 \times 1.30}$   
= 92.9 %

See No. 94-01

ATTACHMENT 2

B01.022.001 1RPV-W02-01  
B01.022.003 1RPV-W02-03  
B01.022.004 1RPV-W02-04  
B01.022.005 1RPV-W02-05  
B01.022.006 1RPV-W02-06  
PG 11 OF 68

W02-03, W2-04 & W2-06 are Unobstructed and

Get the Following Coverages:

W-02

<u>CIRC</u>			<u>AXIAL</u>			
<u>70</u>	<u>60</u>	<u>45</u>	<u>NS</u>	<u>60</u>	<u>45</u>	<u>0</u>
74.8	74.4	74.4	100	91.3	92.9	62.1

Aggregate Coverage =

$$\begin{aligned} & [ 100 \times 38.21 + (91.3 + 92.9) \times (183.30 \times 122.5 \%) \\ & + 74.8 \times 38.21 + (74.4 + 74.4) \times (183.30 \times 122.5 \%) \\ & + 62.1 \times 221.51 ] / \\ & [ 38.21 \times 2 + (183.30 \times 122.5 \%) \times 4 + 221.51 ] = \end{aligned}$$

Aggregate Coverage = 77.1 %

SER. No. 94-01

ATTACHMENT 2

B01.022.001 IRPV-W02-01  
B01.022.003 IRPV-W02-03  
B01.022.004 IRPV-W02-04  
B01.022.005 IRPV-W02-05  
B01.022.006 IRPV-W02-06

PB 12 OF 68

W02-01 is Obstructed due to Instrument Nozzles.

CIRC 70° Gets 22.40 in<sup>2</sup> of Near Surface Area (58.6 %)  
45° & 60° Get 106.02 in<sup>2</sup> of Weld & T/2 Area (57.8 %)

AXIAL 70° Gets 25.89 in<sup>2</sup> of Near Surface Area; however due to the Full Node Exam, 100 % of the Near Surface Area is obtained with the 45° & 60°.

0° Gets 92.65 in<sup>2</sup> of Total Exam Area (41.8 %)

45° Gets 169.70 in<sup>2</sup> of T/2 Area

45°-UP Gets 147.82 in<sup>2</sup> of Weld Area

45°-DOWN Gets 152.94 in<sup>2</sup> of Weld Area

$$\begin{aligned} \text{Total Coverage} &= \frac{169.70 \times 4.48 + 147.82 \times 1.30 + 152.94 \times 1.30}{183.30 \times 4.48 + 183.30 \times 1.30 + 183.30 \times 1.30} \\ &= 88.7 \% \end{aligned}$$

60° Gets 175.48 in<sup>2</sup> of T/2 Area

60°-UP Gets 156.66 in<sup>2</sup> of Weld Area

60°-DOWN Gets 147.08 in<sup>2</sup> of Weld Area

$$\begin{aligned} \text{Total Coverage} &= \frac{175.48 \times 4.48 + 156.66 \times 1.30 + 147.08 \times 1.30}{183.30 \times 4.48 + 183.30 \times 1.30 + 183.30 \times 1.30} \\ &= 91.0 \% \end{aligned}$$

SER. No. 94-01

ATTACHMENT 2

B01.022.001 IRPV-W02-01  
B01.022.003 IRPV-W02-03  
B01.022.004 IRPV-W02-04  
B01.022.005 IRPV-W02-05  
B01.022.006 IRPV-W02-06

PG 13 OF 68

W02-01

<u>CIRC</u>			<u>AXIAL</u>			
<u>70</u>	<u>60</u>	<u>45</u>	<u>NS</u>	<u>60</u>	<u>45</u>	<u>0</u>
58.6	57.8	57.8	100	91.0	88.7	41.8

Aggregate Coverage =

$$\begin{aligned} & [ 100 \times 38.21 + (91.0 + 88.7) \times (183.30 \times 122.5 \%) \\ & + 58.6 \times 38.21 + (57.8 + 57.8) \times (183.30 \times 122.5 \%) \\ & + 41.8 \times 221.51 ] / \\ & [ 38.21 \times 2 + (183.30 \times 122.5 \%) \times 4 + 221.51 ] = \end{aligned}$$

Aggregate Coverage = 68.2 %

Seq. No. 94-01

ATTACHMENT 2

B01.022.001 IRPV-W02-01  
B01.022.003 IRPV-W02-03  
B01.022.004 IRPV-W02-04  
B01.022.005 IRPV-W02-05  
B01.022.006 IRPV-W02-06

PG 14 OF 68

W02-05

CIRC 70° Gets 5.52 in<sup>2</sup> of Near Surface Area (75.9 %)

45° Gets 22.45 in<sup>2</sup> of T/2 Area

45°-DOWN Gets 100 % of Weld Area

$$\text{Total Coverage} = \frac{22.45 + 0.00 + 5.12}{29.29 + 5.12 + 5.12} = 69.7 \%$$

60° Gets 20.09 in<sup>2</sup> of T/2 Area

60°-DOWN Gets 4.20 in<sup>2</sup> of Weld Area

$$\text{Total Coverage} = \frac{20.09 + 0.00 + 4.20}{29.29 + 5.12 + 5.12} = 61.4 \%$$

AXIAL 70° Gets 3.78 in<sup>2</sup> of Near Surface Area (52.0 %)

0° Gets 3.77 in<sup>2</sup> of Total Exam Area ( 9.0 %)

45° & 60° Get 14.57 in<sup>2</sup> of T/2 Area

45° & 60° Get 3.30 in<sup>2</sup> of T/2 Area

$$\text{Total Coverage} = \frac{14.57 + 3.30 + 3.30}{29.29 + 5.12 + 5.12} = 53.6 \%$$

SER. No. 94-01  
ATTACHMENT 2  
B01.022.001 IRPV-W02-01  
B01.022.003 IRPV-W02-03  
B01.022.004 IRPV-W02-04  
B01.022.005 IRPV-W02-05  
B01.022.006 IRPV-W02-06  
PG 15 OF 68

W02-05

<u>CIRC</u>			<u>AXIAL</u>			
<u>70</u>	<u>60</u>	<u>45</u>	<u>70</u>	<u>60</u>	<u>45</u>	<u>0</u>
75.9	61.4	69.7	52.0	53.6	53.6	9.0

Aggregate Coverage =

$$\begin{aligned} & [ 52.0 \times 7.27 + (53.6 + 53.6) \times (29.29 + 5.12 + 5.12) \\ & + 75.9 \times 7.27 + (61.4 + 69.7) \times (29.29 + 5.12 + 5.12) \\ & + 9.0 \times 41.68 ] / \\ & [ 7.27 \times 2 + (29.29 + 5.12 + 5.12) \times 4 + 41.68 ] = \end{aligned}$$

Aggregate Coverage = 50.0 %

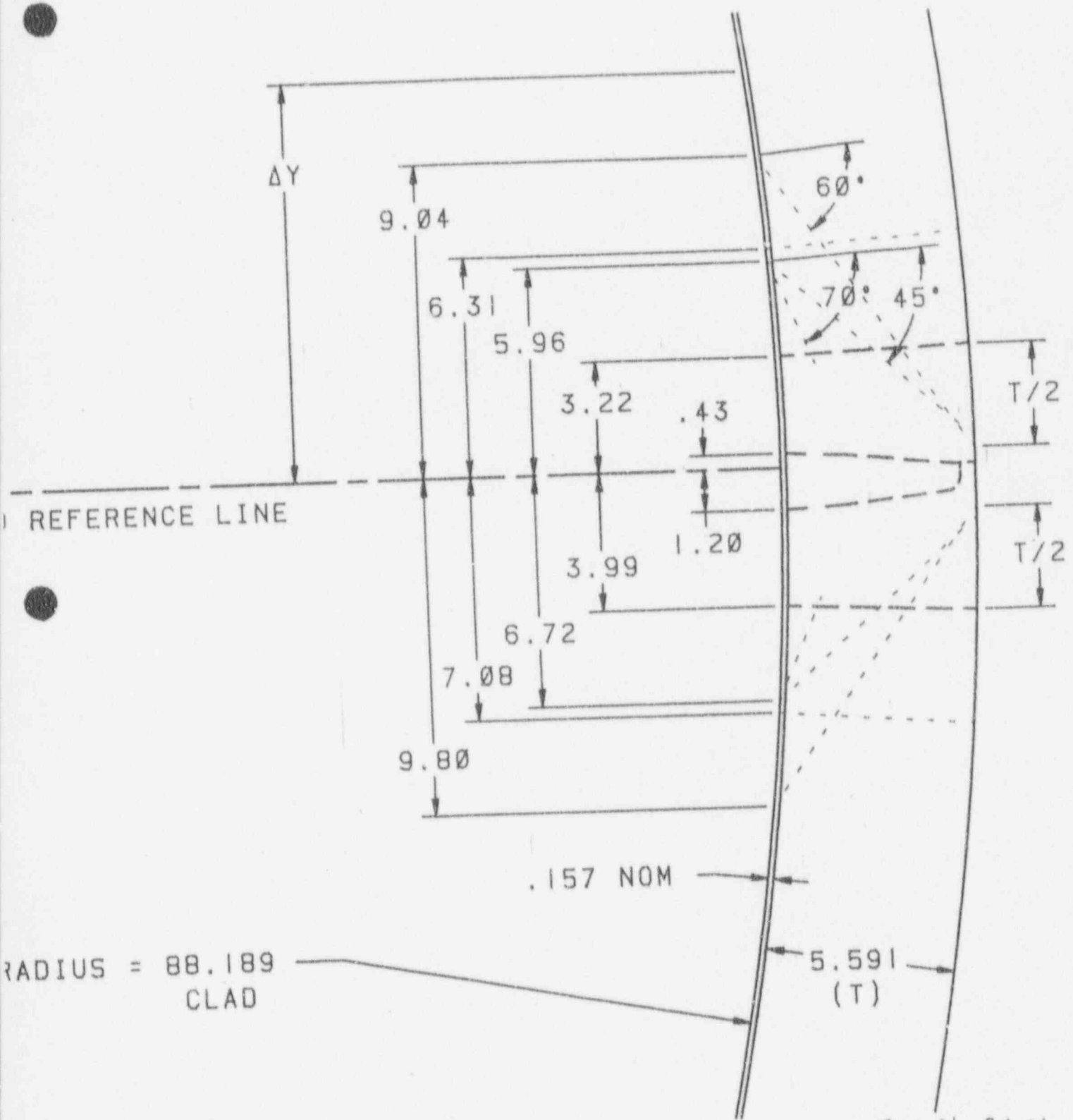
$$\begin{aligned} \text{Total Coverage} &= \frac{50.0 \% \times \text{Unobstructed} + 50.0 \% \times \text{Obstructed}}{100 \%} \\ &= 72.7 \% \end{aligned}$$

Ser. No. 94-01

ATTACHMENT 2

B01.022.001 IRPV-W02-01  
B01.022.003 IRPV-W02-03  
B01.022.004 IRPV-W02-04  
B01.022.005 IRPV-W02-05  
B01.022.006 IRPV-W02-06

PG 16 OF 68



RADIUS = 88.189  
CLAD

Ser. No. 94-01

ATTACHMENT 2

- B01.022.001 IRPV-W02-01
- B01.022.003 IRPV-W02-03
- B01.022.004 IRPV-W02-04
- B01.022.005 IRPV-W02-05
- B01.022.006 IRPV-W02-06

W-IN

NOZZLE-TO-SHELL WELD & INSIDE RADIUS

Total Area = 209.57 in<sup>2</sup> (Near Surface + Weld + T/2)  
Near Surface Area = 13.87 in<sup>2</sup> (Vertical Cross-Section)  
Weld Area = 24.95 in<sup>2</sup> (Vertical Cross-Section)  
T/2 Area = 170.75 in<sup>2</sup> (Vertical Cross-Section)  
Inside Radius Area = 9.21 in<sup>2</sup> (Vertical Cross-Section)

Total Area = 164.09 in<sup>2</sup> (Near Surface + Weld + T/2)  
Near Surface Area = 13.62 in<sup>2</sup> (Horizontal Cross-Section)  
Weld Area = 13.42 in<sup>2</sup> (Horizontal Cross-Section)  
T/2 Area = 137.05 in<sup>2</sup> (Horizontal Cross-Section)  
Inside Radius Area = 5.56 in<sup>2</sup> (Horizontal Cross-Section)

INSIDE RADIUS

CIRC 70° Gets 4.11 in<sup>2</sup> Coverage Vertical Section  
70° Gets 3.10 in<sup>2</sup> Coverage Horizontal Section  
Covered Area =  $(\frac{4.11}{9.21} + \frac{3.10}{5.56}) \times .50 = 50.2 \%$

AXIAL 70° Gets 6.24 in<sup>2</sup> Coverage Vertical Section  
70° Gets 5.01 in<sup>2</sup> Coverage Horizontal Section  
Covered Area =  $(\frac{6.24}{9.21} + \frac{5.01}{5.56}) \times .50 = 78.9 \%$

70° INSIDE RADIUS COVERAGE

<u>AXIAL</u>	<u>CIRC</u>
78.9	50.2

Aggregate Coverage = 64.6 %

SER. No. 94-01  
Attachment 2  
B03.090.001 IRPV-W11  
B03.090.001A IRPV-W11  
B03.090.002 IRPV-W12  
B03.090.002A IRPV-W12  
B03.090.003 IRPV-W13  
B03.090.003A IRPV-W13  
B03.090.004 IRPV-W14  
B03.090.004A IRPV-W14  
B03.100.001 IRPV-W11  
B03.100.002 IRPV-W12  
B03.100.003 IRPV-W13  
B03.100.004 IRPV-W14  
PG 18 OF 68



NOZZLE-TO-SHELL WELD

CIRC 70° Gets 13.70 in<sup>2</sup> Coverage Vertical Section  
70° Gets 10.72 in<sup>2</sup> Coverage Horizontal Section  
Covered Area =  $( \frac{13.70}{13.87} + \frac{10.72}{13.62} ) \times .5 = 88.7 \%$

CIRC 0° Gets 144.35 in<sup>2</sup> Coverage Vertical Section  
0° Gets 98.40 in<sup>2</sup> Coverage Horizontal Section  
Covered Area =  $( \frac{146.35}{209.57} + \frac{98.40}{164.09} ) \times .5 = 64.4 \%$

CIRC 45° & 60° Get 100 % Weld Coverage Vertical Section  
45° & 60° Get 167.93 in<sup>2</sup> T/2 Coverage Upper Vertical Section  
45° Gets 145.24 in<sup>2</sup> T/2 Coverage Lower Vertical Section  
60° Gets 167.93 in<sup>2</sup> T/2 Coverage Lower Vertical Section  
  
45° & 60° Get 11.74 in<sup>2</sup> Weld Coverage Horizontal Section  
45° & 60° Get 75.95 in<sup>2</sup> T/2 Coverage Horizontal Section  
Adjacent to Neighboring Inlet Nozzle  
45° Gets 75.93 in<sup>2</sup> T/2 Coverage Horizontal Section  
Adjacent to Neighboring Outlet Nozzle  
60° Gets 75.95 in<sup>2</sup> T/2 Coverage Horizontal Section  
Adjacent to Neighboring Outlet Nozzle

SER. No. 94-01  
ATTACHMENT 2  
B03.090.001 IRPV-W11  
B03.090.001A  
B03.090.002 IRPV-W12  
B03.090.002A  
B03.090.003 IRPV-W13  
B03.090.003A  
B03.090.004 IRPV-W14  
B03.090.004A  
B03.100.001 IRPV-W11  
B03.100.002 IRPV-W12  
B03.100.003 IRPV-W13  
B03.100.004 IRPV-W14  
PG 19 OF 68

$$\begin{aligned}
45^\circ \text{ Covered Area} &= \left[ \left( \frac{167.93 + 24.95 + 24.95}{170.75 + 24.95 + 24.95} \right) \right. \\
&+ \left( \frac{145.24 + 24.95 + 24.95}{170.75 + 24.95 + 24.95} \right) \\
&+ \left( \frac{75.95 + 11.74 + 11.74}{137.05 + 13.42 + 13.42} \right) \\
&+ \left. \left( \frac{75.93 + 11.74 + 11.74}{137.05 + 13.42 + 13.42} \right) \right] \times .25 \\
&= 77.1 \%
\end{aligned}$$

$$\begin{aligned}
60^\circ \text{ Covered Area} &= \left[ \left( \frac{167.93 + 24.95 + 24.95}{170.75 + 24.95 + 24.95} \right) \right. \\
&+ \left( \frac{167.93 + 24.95 + 24.95}{170.75 + 24.95 + 24.95} \right) \\
&+ \left( \frac{75.95 + 11.74 + 11.74}{137.05 + 13.42 + 13.42} \right) \\
&+ \left. \left( \frac{75.95 + 11.74 + 11.74}{137.05 + 13.42 + 13.42} \right) \right] \times .25 \\
&= 79.7 \%
\end{aligned}$$

AXIAL 45° Gets 11.61 in<sup>2</sup> Coverage Vertical Section Near Surface  
 45° Gets 2.78 in<sup>2</sup> Coverage Horizontal Section Near Surface  
 Covered Area =  $\left( \frac{11.61}{13.87} + \frac{2.78}{13.62} \right) \times .50 = 52.1 \%$

AXIAL 0° Gets 128.63 in<sup>2</sup> Coverage Vertical Section  
 0° Gets 31.15 in<sup>2</sup> Coverage Horizontal Section  
 Covered Area =  $\left( \frac{128.63}{195.70} + \frac{31.15}{150.47} \right) \times .50 = 43.2 \%$

AXIAL 45° Gets 158.01 in<sup>2</sup> Coverage Vertical Section  
 45° Gets 117.92 in<sup>2</sup> Coverage Horizontal Section  
 Covered Area =  $\left( \frac{158.01}{195.70} + \frac{117.92}{150.47} \right) \times .50 = 79.6 \%$

SER. No. 94-01  
 ATTACHMENT 2 PG 200F

B03.090.001	IRPV-W11	B03.090.003	IRPV-W13	B03.100.001	IRPV-W11
B03.090.001A	IRPV-W11	B03.090.003A	IRPV-W13	B03.100.002	IRPV-W12
B03.090.002	IRPV-W12	B03.090.004	IRPV-W14	B03.100.003	IRPV-W13
B03.090.002A	IRPV-W12	B03.090.004A	IRPV-W14	B03.100.004	IRPV-W14

W-IN

NOZZLE-TO-SHELL WELD

<u>AXIAL</u>			<u>CIRC</u>			
<u>NS</u>	<u>0</u>	<u>45</u>	<u>70</u>	<u>60</u>	<u>45</u>	<u>0</u>
52.1	43.2	79.6	88.7	79.7	77.1	64.4

Aggregate Coverage =

$$\begin{aligned} & [ 52.1 \times (13.87 + 13.62) + (43.2 + 79.6) \times (195.70 + 150.47) \\ & + 88.7 \times (13.87 + 13.62) + (79.7 + 77.1) \\ & \times (170.75 + 24.95 + 24.95 + 137.05 + 13.42 + 13.42) \\ & + 64.4 \times (209.57 + 164.09) ] / \\ & [ (13.87 + 13.62) \times 2 + (195.70 + 150.47) \times 2 \\ & + (170.75 + 24.95 + 24.95 + 137.05 + 13.42 + 13.42) \times 2 \\ & + (209.57 + 164.09) ] \end{aligned}$$

Aggregate Coverage = 69.2 %

SER. No. 94-01

ATTACHMENT 2

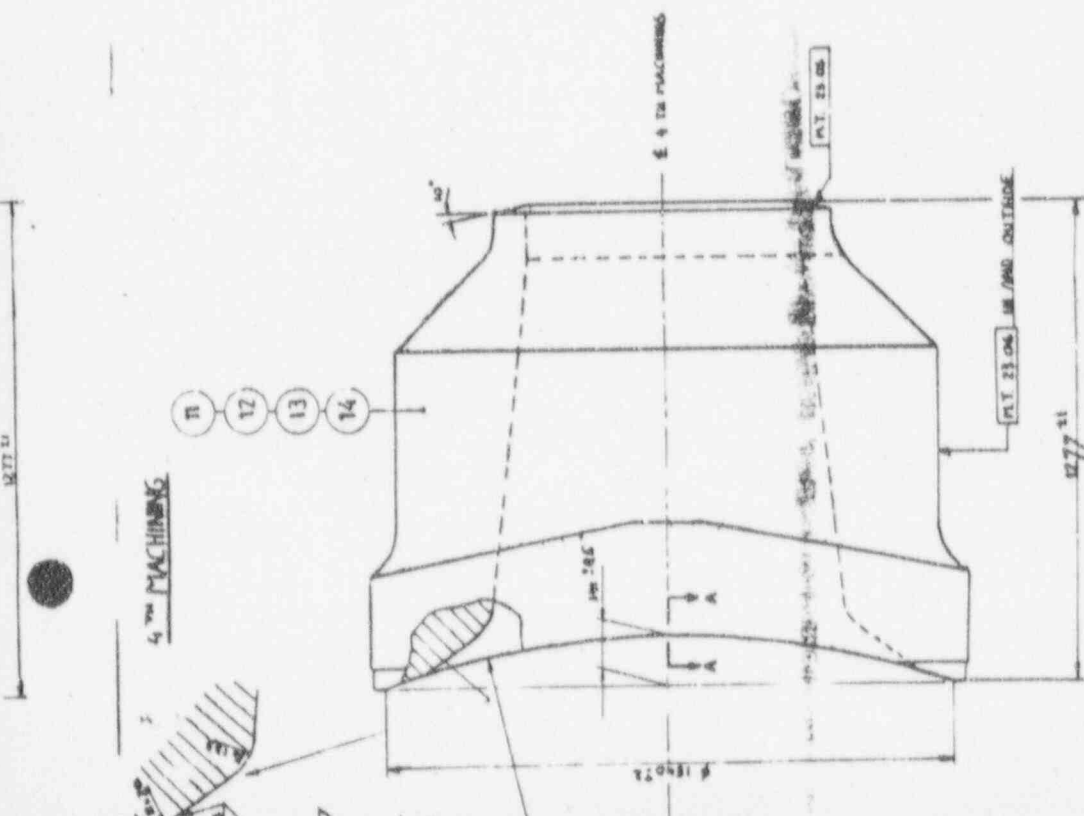
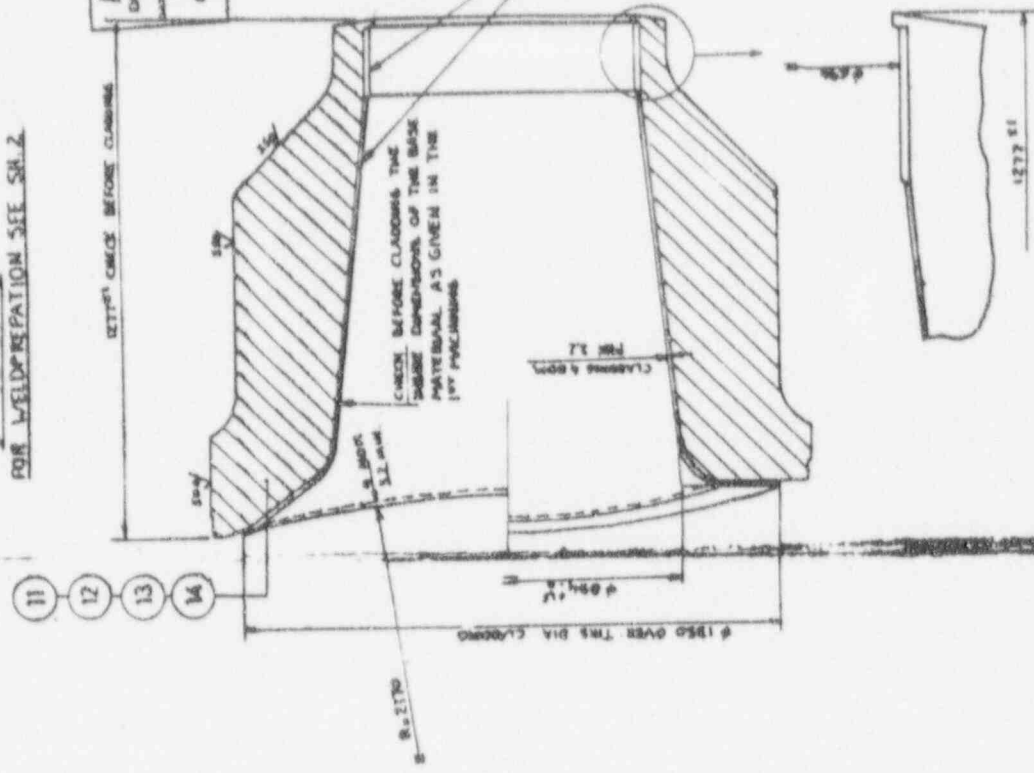
B03.090.001 IRPV-W11  
B03.090.001A  
B13.090.002 IRPV-W12  
B03.090.002A  
B03.090.003 IRPV-W13  
B03.090.003A  
B03.090.004 IRPV-W14  
B03.090.004A  
B03.100.001 IRPV-W11  
B03.100.002 IRPV-W12  
B03.100.003 IRPV-W13  
B03.100.004 IRPV-W14

SECTION B-B

5<sup>TH</sup> CLADDING  
FOR WELD REPAIRATION SEE SR. 2.

APPROVED  
DUKE POWER CO.  
BY: [Signature]  
DATE: [Date]  
BY: [Signature]

MR. [Name]
VP. [Name]
V.T. [Name]
P.T. [Name]
F.T. [Name]
C.T. [Name]

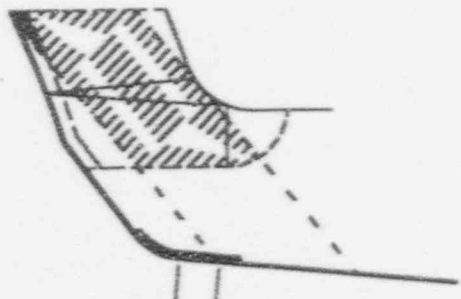


- Set No. 94-01  
Attachment 2
- B03.090.001 IRPV-W11
  - B03.090.001A IRPV-W11
  - B03.090.002 IRPV-W12
  - B03.090.002A IRPV-W12
  - B03.090.003 IRPV-W13
  - B03.090.003A IRPV-W13
  - B03.090.004 IRPV-W14
  - B03.090.004A IRPV-W14
  - B03.100.001 IRPV-W11
  - B03.100.002 IRPV-W12
  - B03.100.003 IRPV-W13
  - B03.100.004 IRPV-W14

AXIAL COVERAGE

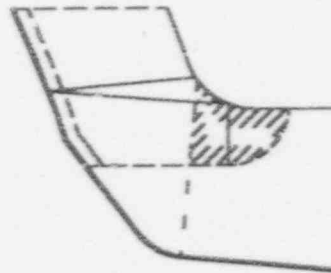


CIRC COVERAGE

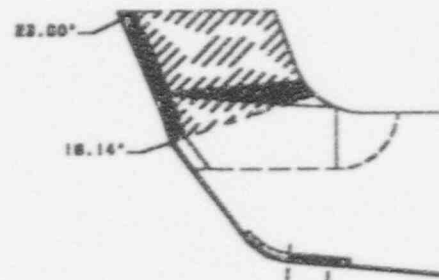


"R" = 18.84  
"X" = 4.10

45 & 70 DEGREE  
AXIAL COVERAGE

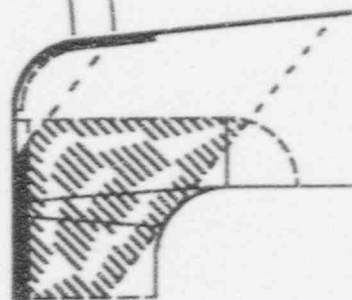


0 DEGREE  
AXIAL COVERAGE

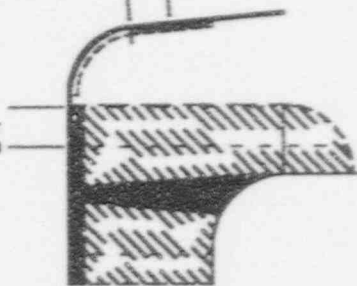
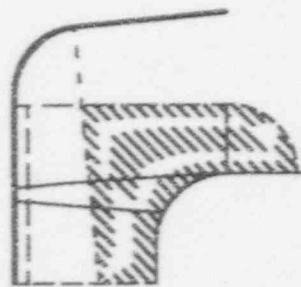


"R" = 18.84  
"X" = 4.10

CIRC COVERAGE  
(ALL ANGLES)



HORIZ TAPER LIMIT  
(72.88) "X" = 127.00



Ser. No. 94-01  
 Attachment 2  
 B03.090.001 | RPV-W11  
 B03.090.001A | RPV-W11  
 B03.090.002 | RPV-W12  
 B03.090.002A | RPV-W12  
 B03.090.003 | RPV-W13  
 B03.090.003A | RPV-W13  
 B03.090.004 | RPV-W14  
 B03.090.004A | RPV-W14  
 B03.100.001 | RPV-W1A  
 B03.100.002 | RPV-W1B  
 B03.100.003 | RPV-W1C  
 B03.100.004 | RPV-W1D

W-OUT

NOZZLE-TO-SHELL WELD & INSIDE RADIUS

Total Area = 216.35 in<sup>2</sup> (Near Surface + Weld + T/2)  
Near Surface Area = 15.07 in<sup>2</sup> (Vertical Cross-Section)  
Weld Area = 18.84 in<sup>2</sup> (Vertical Cross-Section)  
T/2 Area = 182.44 in<sup>2</sup> (Vertical Cross-Section)  
Inside Radius Area = 8.76 in<sup>2</sup> (Vertical Cross-Section)

Total Area = 204.11 in<sup>2</sup> (Near Surface + Weld + T/2)  
Near Surface Area = 15.10 in<sup>2</sup> (Horizontal Cross-Section)  
Weld Area = 13.08 in<sup>2</sup> (Horizontal Cross-Section)  
T/2 Area = 175.93 in<sup>2</sup> (Horizontal Cross-Section)  
Inside Radius Area = 8.90 in<sup>2</sup> (Horizontal Cross-Section)

INSIDE RADIUS

CIRC 70° Gets 7.82 in<sup>2</sup> Coverage Vertical Section  
70° Gets 7.07 in<sup>2</sup> Coverage Horizontal Section  
Covered Area =  $(\frac{7.82}{8.76} + \frac{7.07}{3.90}) \times .50 = 84.4 \%$

AXIAL 70° Gets 8.40 in<sup>2</sup> Coverage Vertical Section  
70° Gets 7.66 in<sup>2</sup> Coverage Horizontal Section  
Covered Area =  $(\frac{8.40}{8.76} + \frac{7.66}{8.90}) \times .50 = 91.0 \%$

70° INSIDE RADIUS COVERAGE

<u>AXIAL</u>	<u>CIRC</u>
91.0	84.4

Aggregate Coverage = 87.7 %

Seq. No. 94-01  
ATTACHMENT 2  
B03.090.005 IRPV-W15  
B03.090.005A  
B03.090.006 IRPV-W16  
B03.090.006A  
B03.090.007 IRPV-W17  
B03.090.007A  
B03.090.008 IRPV-W18  
B03.090.008A  
B03.100.005 IRPV-W15  
B03.100.006 IRPV-W16  
B03.100.007 IRPV-W17  
B03.100.008 IRPV-W18

AXIAL

45° Gets 12.77 in<sup>2</sup> Coverage Vertical Section of Near Surface  
45° Gets 9.96 in<sup>2</sup> Coverage Horizontal Section of Near Surface

$$\text{Covered Area} = \left( \frac{12.77}{15.07} + \frac{9.96}{15.10} \right) \times .50 = 75.3 \%$$

0° Gets 180.77 in<sup>2</sup> Coverage Vertical Section

0° Gets 124.50 in<sup>2</sup> Coverage Horizontal Section

$$\text{Covered Area} = \left( \frac{180.77}{201.28} + \frac{124.50}{189.01} \right) \times .50 = 77.8 \%$$

45° Gets 154.56 in<sup>2</sup> Coverage Vertical Section

45° Gets 155.82 in<sup>2</sup> Coverage Horizontal Section

$$\text{Covered Area} = \left( \frac{154.56}{201.28} + \frac{155.82}{189.01} \right) \times .50 = 79.6 \%$$

W-OUT

NOZZLE-TO-SHELL WELD

AXIAL			CIRC			
NS	0	45	70	60	45	0
75.3	77.8	79.6	41.5	25.8	25.8	12.6

Aggregate Coverage =

$$\begin{aligned} & [ 75.3 \times (15.07 + 15.10) + (77.8 + 79.6) \times (201.28 + 189.01) \\ & + 41.5 \times (15.07 + 15.10) + (25.8 + 25.8) \\ & \times (182.44 + 18.84 + 18.84 + 175.93 + 13.08 + 13.08) \\ & + 12.6 \times (216.35 + 204.11) ] / \\ & [ (15.07 + 15.10) \times 2 + (201.28 + 189.01) \times 2 \\ & + (182.44 + 18.84 + 18.84 + 175.93 + 13.08 + 13.08) \times 2 \\ & + (216.35 + 204.11) ] \end{aligned}$$

Aggregate Coverage = 43.7 %

See No. 94-01  
Attachment 2 PG 25 OF 61

B03.090.005	IRPV-W15	B03.090.007	IRPV-W17	B03.100.005	IRPV-W15
B03.090.005A		B03.090.007A		B03.100.006	IRPV-W16
B03.090.006	IRPV-W16	B03.090.008	IRPV-W18	B03.100.007	IRPV-W17
B03.090.006A		B03.090.008A		B03.100.008	IRPV-W18

NOZZLE-TO-SHELL WELD

CIRC 70° Gets 6.17 in<sup>2</sup> Coverage Vertical Section

70° Gets 6.36 in<sup>2</sup> Coverage Horizontal Section

$$\text{Covered Area} = \left( \frac{6.17}{15.07} + \frac{6.36}{15.10} \right) \times .50 = 41.5$$

0° Gets 33.28 in<sup>2</sup> Coverage Vertical Section

0° Gets 16.47 in<sup>2</sup> Coverage Horizontal Section

$$\text{Covered Area} = \left( \frac{33.28}{201.28} + \frac{16.47}{189.01} \right) \times .50 = 12.6 \%$$

45° & 60° Get 3.75 in<sup>2</sup> Weld Coverage Vertical Section

45° & 60° Get 56.95 in<sup>2</sup> T/2 Coverage Vertical Section

45° & 60° Get 0.00 in<sup>2</sup> Weld Coverage Horizontal Section

45° & 60° Get 44.92 in<sup>2</sup> T/2 Coverage Horizontal Section

$$\begin{aligned} 45^\circ \text{ \& } 60^\circ \text{ Covered Area} &= \left[ \left( \frac{56.95 + 3.75 + 3.75}{182.44 + 18.84 + 18.84} \right) \right. \\ &\quad \left. + \left( \frac{44.92 + 0.00 + 0.00}{175.93 + 13.08 + 13.08} \right) \right] \times .50 \\ &= 25.8 \% \end{aligned}$$

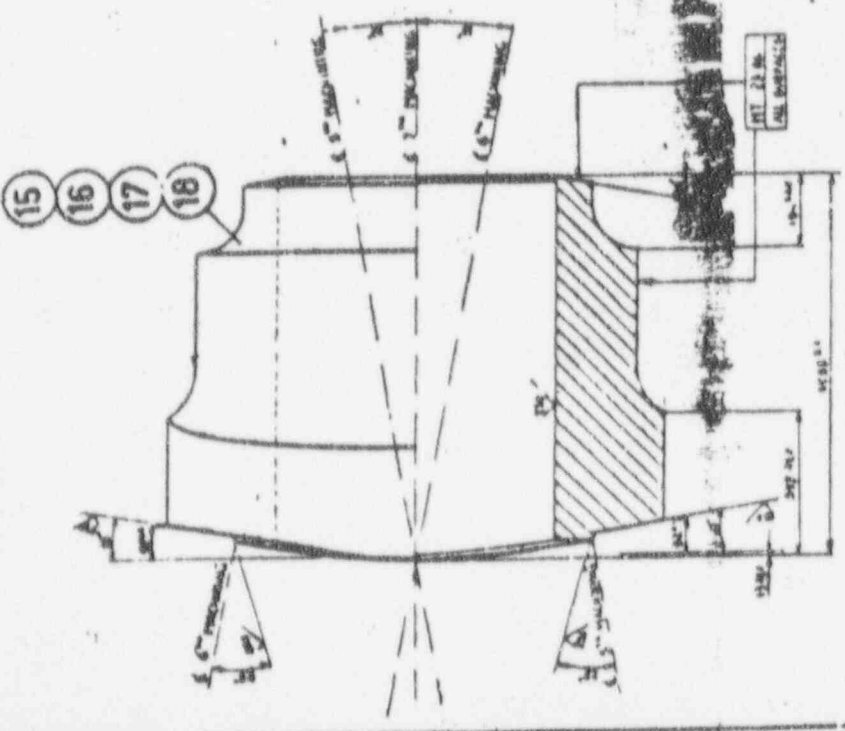
Sec. No. 94-01

ATTACHMENT 2

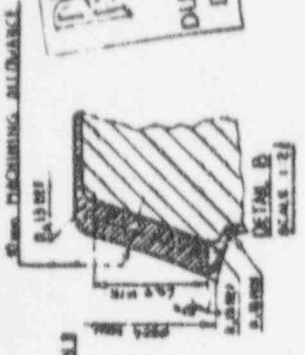
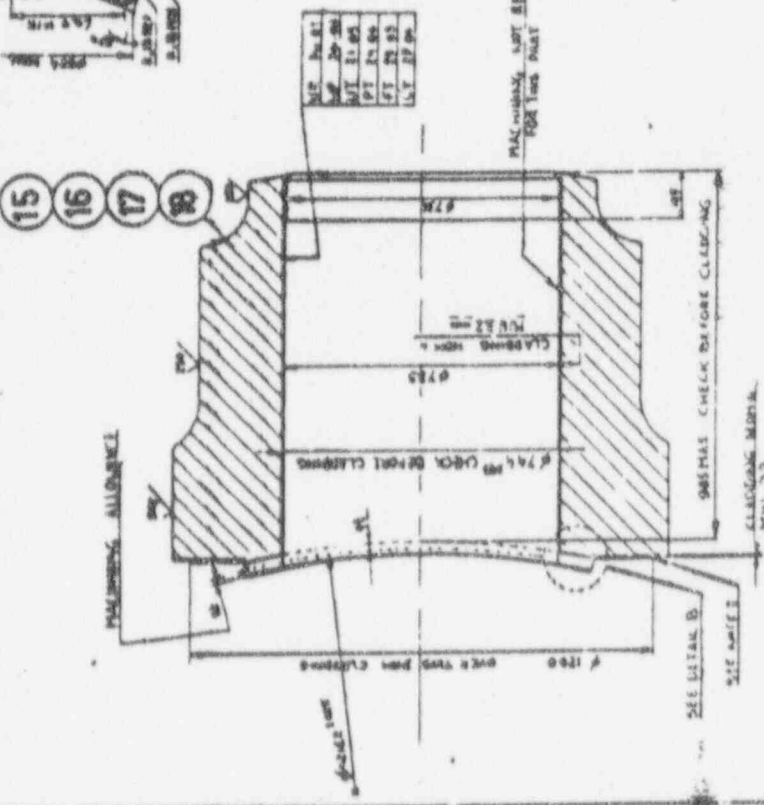
B03.090.005	IRPV-W15
B03.090.005A	
B03.090.006	IRPV-W16
B03.090.006A	
B03.090.007	IRPV-W17
B03.090.007A	
B03.090.008	IRPV-W18
B03.090.008A	
B03.100.005	IRPV-W15
B03.100.006	IRPV-W16
B03.100.007	IRPV-W17
B03.100.008	IRPV-W18



MANUFACTURING ALLOWANCE  
SCALE 1:1



CLADDING  
SCALE 1:1



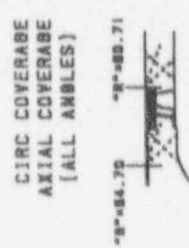
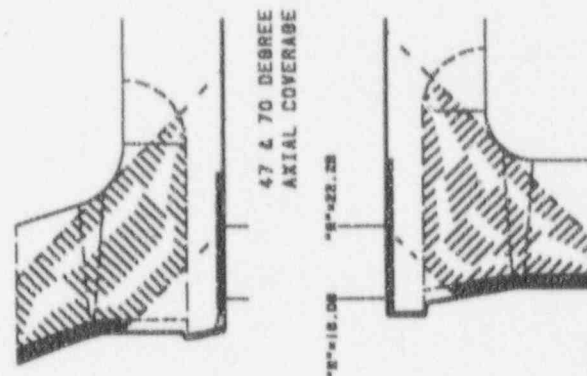
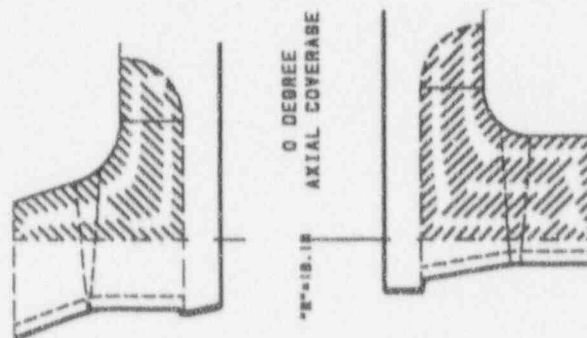
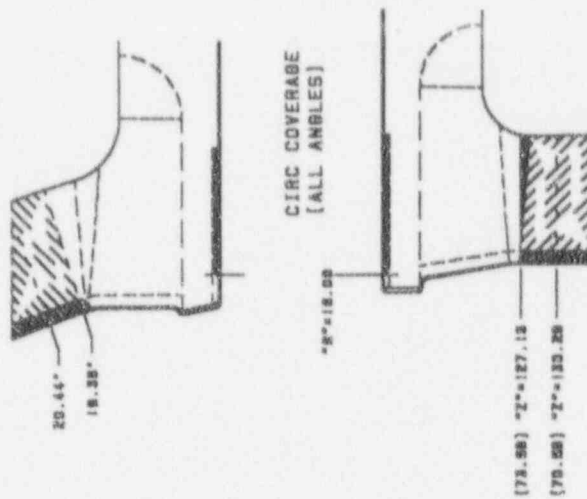
RECEIVED  
JUN 7 1974  
DUKE POWER COMPANY  
DESIGN ENGINEERING

NUCLEAR SAFETY REL

REFERENCE DRAWINGS  
OUTLET BOTTLE (FORMING) DWG. 30258-001  
FOR WELD PREPARATION SET DWG. 30258-002, 30258-003  
FOR WELDING AND FINISHING, WITH WELDING THE DETAILS  
IN ITEM 04, SEE DWG. 30258-003  
FOR WELD DETAIL SUPPLEMENT SEE DWG. 30258-004  
FOR MACHINING SEE DWG. 30258-005

SER. No. 94-01

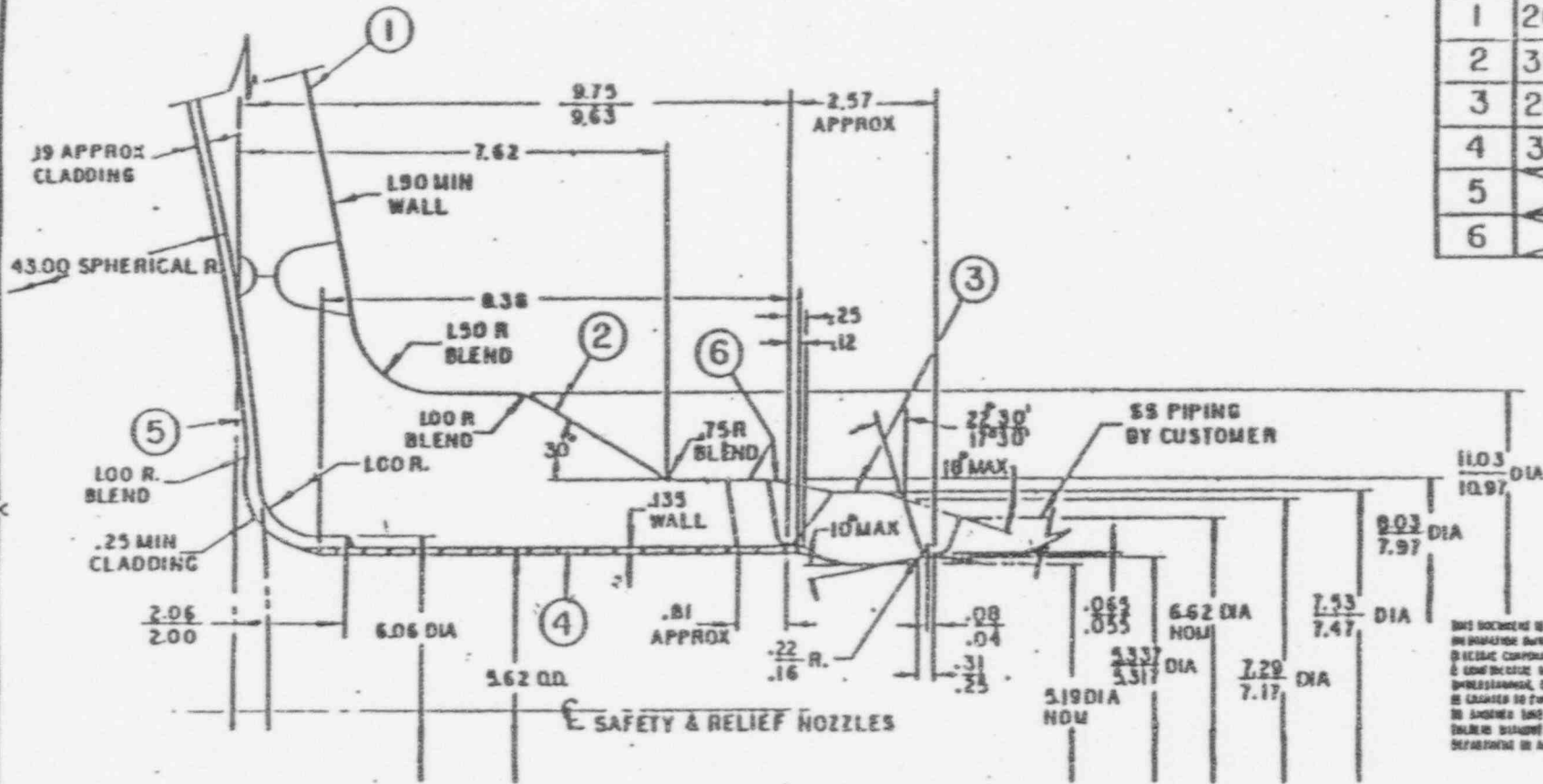
- ATTACHMENT 2
- B03090.005 IRPV-W15
  - B03090.005A IRPV-W15
  - B03090.006 IRPV-W16
  - B03090.006A IRPV-W16
  - B03090.007 IRPV-W17
  - B03090.007A IRPV-W17
  - B03090.008 IRPV-W18
  - B03090.008A IRPV-W18
  - B03100.005 IRPV-W15
  - B03100.006 IRPV-W16
  - B03100.007 IRPV-W17
  - B03100.008 IRPV-W18



- Sec. No. 94-01  
Attachment 2
- B03.090.005 IRPV-W15
  - B03.090.005A IRPV-W15
  - B03.090.006 IRPV-W16
  - B03.090.006A IRPV-W16
  - B03.090.007 IRPV-W17
  - B03.090.007A IRPV-W17
  - B03.090.008 IRPV-W18
  - B03.090.008A IRPV-W18
  - B03.100.005 IRPV-W15
  - B03.100.006 IRPV-W16
  - B03.100.007 IRPV-W17
  - B03.100.008 IRPV-W18

**NOTES:**

WELD PREP PER PWRSD DWG 271C900



MATERIAL		
ITEM	(W) FDS / DWG No	ASME No
1	2656A90	SA-533 GR A CLASS 2
2	393A708	SA-508 CLASS 2 PR.
3	2656A96	SA-102 GRAD F-316L
4	398A009	SA-213 GRAD TP 304
5		SS CLADDIN
6		INCOHEL WEL

THIS DOCUMENT IS THE PROPERTY OF, AND CONTAINS PROPRIETARY INFORMATION OWNED BY, THE TAMPA DIVISION OF WESTINGHOUSE ELECTRIC CORPORATION AND IS MADE SUBJECT TO THE TERMS & CONDITIONS RELATIONSHIP AND SUBJECT TO THE FOLLOWING: WESTINGHOUSE, ENGINEERING AND DESIGNING, IN PROVIDING THIS DRAWING TO YOU FOR USE, REPRODUCIBLE, TRANSMISSION OR DISSEMINATION IS LIMITED TO THE EXTENT OF THE INFORMATION CONTAINED THEREIN WITHOUT THE EXPRESS WRITTEN PERMISSION OF THIS DEPARTMENT OR OFFICE.

WESTINGHOUSE PROPRIETARY CLASS 2

1	CHANGE	BY	DATE
2	ADD	1/14/68	

LAST NUMBER USED		PARTS LIST	
ITEM	QTY	ITEM	QTY
006			

Westinghouse Electric Corporation  
 TAMPA DIVISION TAMPA FLA.  
 APPARATUS PRESSURIZER (84 SERIES)  
 TITLE SAFETY & RELIEF NOZ DET (FAB HD)

DTM J.E. Simon	DATE 1/14/68	CHKD J.E. Simon	DATE 1/14/68
DESIGNED BY J.E. Simon	DATE 1/14/68	DRWN BY J.E. Simon	DATE 1/14/68

EDSK  
379443B

SHEET NO 1 OF 1 SHEETS

Figure 2-1. Safety and Relief Nozzle Detailed Drawing

PG 29 OF 68  
 Ser. No. 94-01  
 Attachment 2

# Limited Exam Data Sheet

Station CATAWBA Unit 1 I.D. # 1PER-WAA  
By Jane W. Sizer Date 11-24-93 Item # B03.110.004  
Checked By Larry Mauldin Date 11-29-93 Page 7 of 9

## DETERMINING THE CUMULATIVE TOTAL OF WELD VOLUME INSPECTED (in percentage)

Total Cross Sectional Area 12 x (Number of Scans) 9 = 108 (% Factor)

### Vessels:

Area Loss : Zone #1 2.06  
Zone #2 2.83  
Zone #3 7.77

Total Zone Loss 12.66 / (% Factor) 108 x 100 = 11.72 % of Loss

Lump Sum Loss From Other Limitations + \_\_\_\_\_ %

Total Loss 11.72 %

100% - (Total Loss) 11.72 = 88.2 % of Coverage

( Additional \* % of Partial Coverage)

Qualifies for Request for Relief  Yes  No

### Piping:

Axial Scan \_\_\_\_\_ (Loss) \_\_\_\_\_ / \_\_\_\_\_ (% Factor) x 100 = \_\_\_\_\_ % of Loss

Circumferential Scan Over Root Area  Yes  No \_\_\_\_\_ % of Loss

Axial Loss \_\_\_\_\_ + Circ. Loss \_\_\_\_\_ = \_\_\_\_\_ / 2 = \_\_\_\_\_ % Loss

Additional Losses (Due to hangers, restraints, etc.) + \_\_\_\_\_ % Loss

Explain: \_\_\_\_\_ Total % Loss

100% - (Total Loss) \_\_\_\_\_ = \_\_\_\_\_ % of Coverage

Qualifies for Request for Relief  Yes  No

Disposition: \* LOSSES ARE ONLY FROM ONE DIRECTION ONLY.

By: \_\_\_\_\_ Date: \_\_\_\_\_

*Handwritten initials and date:*  
1/5/94

ATTACHMENT 1 of  
PG. 7 of 9

ITEM # BOS.110.004

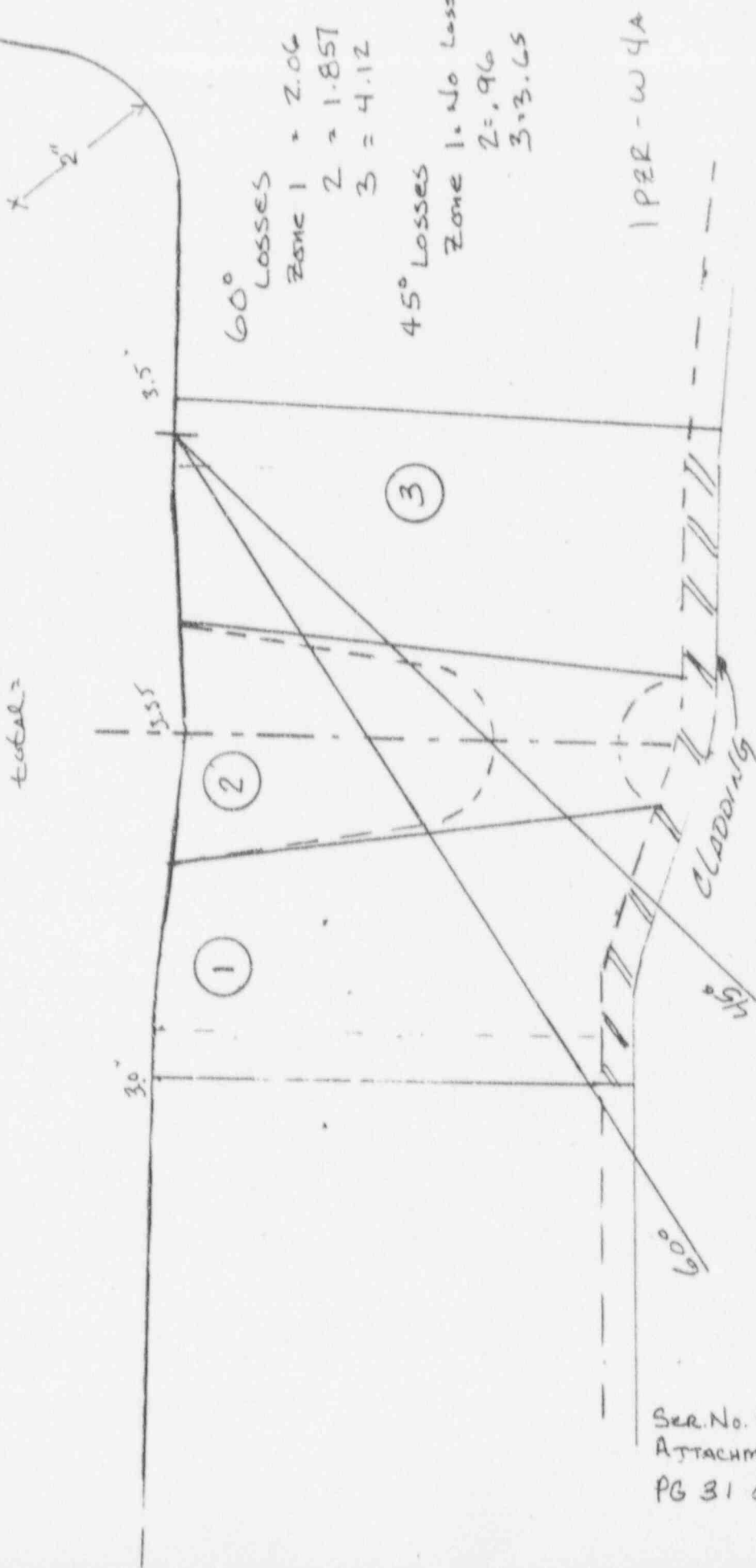
total Sq. = 12.00"

Zone 1 = 4.48

Zone 2 = 2.95

Zone 3 = 4.57

total =



*[Signature]*

NOTE THAT ALL ZONES DID RECEIVE COMPLETE CIRC COVERAGE, i.e. 0 DEG COVERAGE AND 45 & 60 AX (BEAM 2 SURFACE 1) COMPLETE COVERAGE

### Limited Exam Data Sheet

Station CATAWBA Unit 1 I.D. # 1PER-W4B  
By Jane W. Steen Date 11-24-93 Item # 803.110.005  
Checked By Randy Mauldin Date 11-29-93 Page 6 of 8

#### DETERMINING THE CUMULATIVE TOTAL OF WELD VOLUME INSPECTED (in percentage)

Total Cross Sectional Area 12 x (Number of Scans) 9 = 108 (% Factor)

#### Vessels:

Area Loss : Zone #1 2.06  
Zone #2 2.83  
Zone #3 7.77

Total Zone Loss 12.66 / (% Factor) 108 x 100 = 11.72 % of Loss

Lump Sum Loss From Other Limitations + \_\_\_\_\_ %

Total Loss 11.72 %

100% - (Total Loss) 11.72 = 88.2 % of Coverage

(Additional \* % of Partial Coverage)

Qualifies for Request for Relief  Yes  No

#### Piping:

Axial Scan \_\_\_\_\_ (Loss) \_\_\_\_\_ / \_\_\_\_\_ (% Factor) x 100 = \_\_\_\_\_ % of Loss

Circumferential Scan Over Root Area  Yes  No \_\_\_\_\_ % of Loss

Axial Loss \_\_\_\_\_ + Circ. Loss \_\_\_\_\_ = \_\_\_\_\_ / 2 = \_\_\_\_\_ % Loss

Additional Losses (Due to hangers, restraints, etc.) + \_\_\_\_\_ % Loss

Explain: \_\_\_\_\_ Total % Loss

100% - (Total Loss) \_\_\_\_\_ = \_\_\_\_\_ % of Coverage

Qualifies for Request for Relief  Yes  No

Disposition: \* LOSSES ARE ONLY FROM ONE DIRECTION ONLY.

By: \_\_\_\_\_ Date: \_\_\_\_\_

*[Handwritten signature]*  
11/29/93

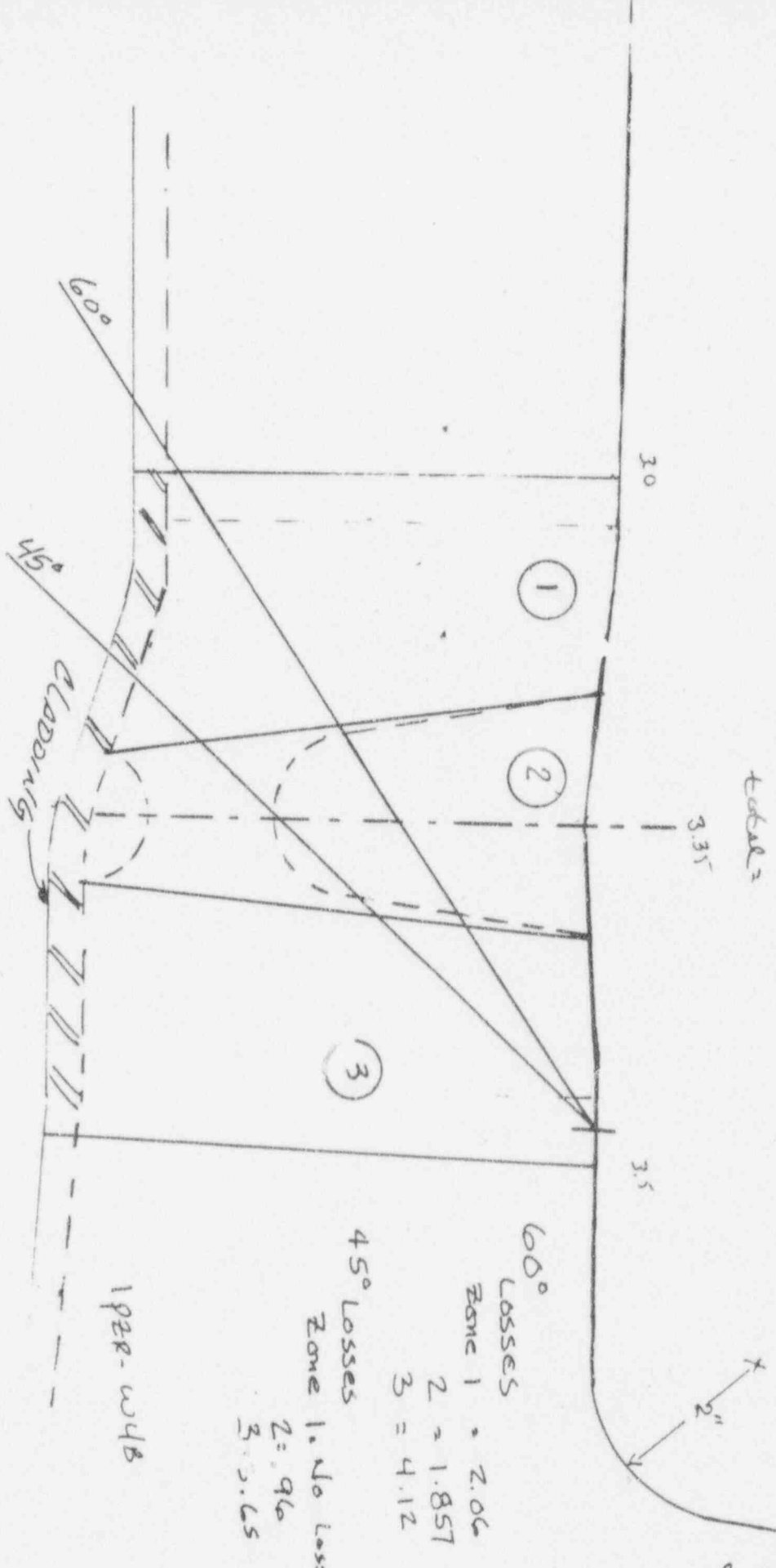
total Sq. = 12.00"

Zone 1 = 4.48  
 Zone 2 = 2.95  
 Zone 3 = 4.57  
 total =

ATTACHMENT 1  
 of pg. 6 of 8

ITEM # 803.110.005

SER. No. 94-01  
 ATTACHMENT 2  
 PG 33 OF 68



60° Losses  
 Zone 1 = 2.06  
 2 = 1.857  
 3 = 4.12

45° Losses  
 Zone 1. No Loss/Beam Sp.  
 2 = 96  
 3 = 5.65

NOTE THAT ALL ZONES DID RECEIVE COMPLETE CIRC COVERAGE, & 0 DEG

AND 45 & 60 AX (BEAM 2) COMPLETE COVERAGE  
 SURFACE 1 COVERAGE

PH 1/9/91

# Limited Exam Data Sheet

Station CATAWBA Unit 1 I.D. # 1 PER-WJC  
By James W. Sizer Date 11-24-93 Item # B03.110.006  
Checked By Larry Martin Date 11-29-93 Page 6 of 8

## DETERMINING THE CUMULATIVE TOTAL OF WELD VOLUME INSPECTED (in percentage)

Total Cross Sectional Area 12 x (Number of Scans) 9 = 108 (% Factor)

### Vessels:

Area Loss : Zone #1 2.06  
Zone #2 2.83  
Zone #3 7.77

Total Zone Loss 12.66 / (% Factor) 108 x 100 = 11.72 % of Loss

Lump Sum Loss From Other Limitations + \_\_\_\_\_ %

Total Loss 11.72 %

100% - (Total Loss) 11.72 = 88.2 % of Coverage

( Additional \* % of Partial Coverage)

Qualifies for Request for Relief  Yes  No

### Piping:

Axial Scan \_\_\_\_\_ (Loss) \_\_\_\_\_ / \_\_\_\_\_ (% Factor) x 100 = \_\_\_\_\_ % of Loss

Circumferential Scan Over Root Area  Yes  No \_\_\_\_\_ % of Loss

Axial Loss \_\_\_\_\_ + Circ. Loss \_\_\_\_\_ = \_\_\_\_\_ / 2 = \_\_\_\_\_ % Loss

Additional Losses (Due to hangers, restraints, etc.) + \_\_\_\_\_ % Loss

Explain: \_\_\_\_\_ Total % Loss

100% - (Total Loss) \_\_\_\_\_ = \_\_\_\_\_ % of Coverage

Qualifies for Request for Relief  Yes  No

Disposition: \* LOSSES ARE ONLY FROM ONE DIRECTION ONLY.

By: \_\_\_\_\_ Date: \_\_\_\_\_

*OC*  
11/29/93





# Limited Exam Data Sheet

Station CATAWBA Unit 1 I.D. # 1PER-W44  
By Jane W. Seto Date 11-24-93 Item # B03.120.004  
Checked By Rally Moulden Date 11-29-93 Page 3 of 3

## DETERMINING THE CUMULATIVE TOTAL OF WELD VOLUME INSPECTED (in percentage)

Total Cross Sectional Area 1.83 x (Number of Scans) 2 = 3.66 (% Factor)

### Vessels:

Area Loss : Zone #1 n/A  
Zone #2 n/A  
Zone #3 n/A

Total Zone Loss 1.242 / (% Factor) 3.66 x 100 = 33.9 % of Loss

Lump Sum Loss From Other Limitations + \_\_\_\_\_ %

Total Loss \_\_\_\_\_ %

100% - (Total Loss) 33.9 = 66.1 % of Coverage

( Additional n/A % of Partial Coverage)

Qualifies for Request for Relief  Yes  No

### Piping:

Axial Scan \_\_\_\_\_ (Loss) \_\_\_\_\_ / \_\_\_\_\_ (% Factor) x 100 = \_\_\_\_\_ % of Loss

Circumferential Scan Over Root Area  Yes  No \_\_\_\_\_ % of Loss

Axial Loss \_\_\_\_\_ + Circ. Loss \_\_\_\_\_ = \_\_\_\_\_ / 2 = \_\_\_\_\_ % Loss

Additional Losses (Due to hangers, restraints, etc.) + \_\_\_\_\_ % Loss

Explain: \_\_\_\_\_ Total % Loss

100% - (Total Loss) \_\_\_\_\_ = \_\_\_\_\_ % of Coverage

Qualifies for Request for Relief  Yes  No

Disposition: \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

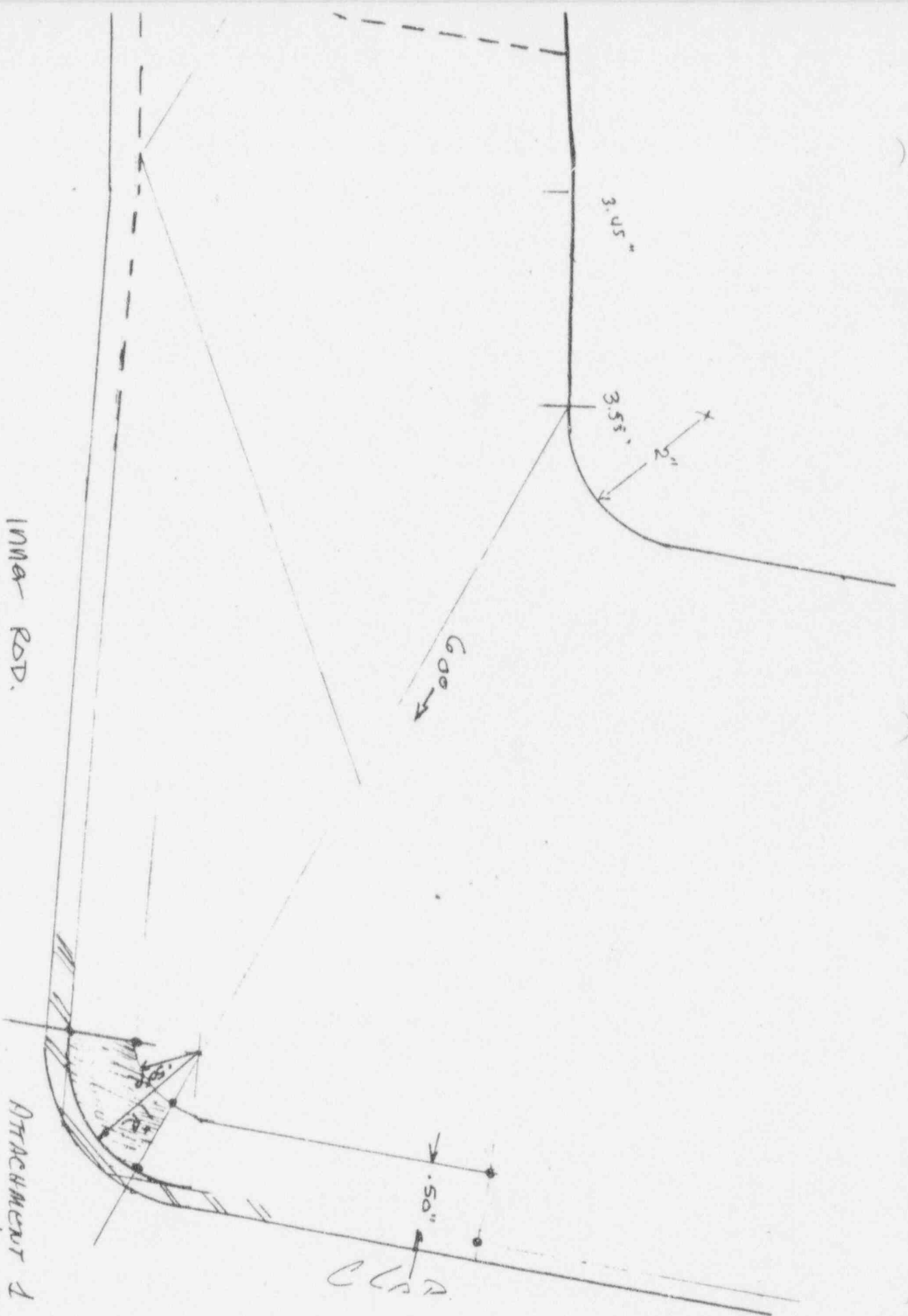
\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

By: \_\_\_\_\_ Date: \_\_\_\_\_



INNER RAD.  
 total AREA = 1.83 sq. in.  
 total LOSS = 1.242

ATTACHMENT 1  
 of pg. 3 of 3  
 ITEM # 803.120.004

11/6/94

# Limited Exam Data Sheet

Station CATAWBA Unit 1 I.D. # 1PER-W4B  
By James W. Sizer Date 11-24-93 Item # B03.120.005  
Checked By Larry Mauldin Date 11-29-93 Page 3 Of 3

## DETERMINING THE CUMULATIVE TOTAL OF WELD VOLUME INSPECTED (in percentage)

Total Cross Sectional Area 1.83 x (Number of Scans) 2 = 3.66 (% Factor)

### Vessels:

Area Loss : Zone #1 n/A  
Zone #2 n/A  
Zone #3 n/A

Total Zone Loss 1.242 / (% Factor) 3.66 x 100 = 33.9 % of Loss

Lump Sum Loss From Other Limitations + \_\_\_\_\_ %

Total Loss \_\_\_\_\_ %

100% - (Total Loss) 33.9 = 66.1 % of Coverage

( Additional n/A % of Partial Coverage)

Qualifies for Request for Relief  Yes  No

### Piping:

Axial Scan \_\_\_\_\_ (Loss) \_\_\_\_\_ / \_\_\_\_\_ (% Factor) x 100 = \_\_\_\_\_ % of Loss

Circumferential Scan Over Root Area  Yes  No \_\_\_\_\_ % of Loss

Axial Loss \_\_\_\_\_ + Circ. Loss \_\_\_\_\_ = \_\_\_\_\_ / 2 = \_\_\_\_\_ % Loss

Additional Losses (Due to hangers, restraints, etc.) + \_\_\_\_\_ % Loss

Explain: \_\_\_\_\_ Total % Loss

100% - (Total Loss) \_\_\_\_\_ = \_\_\_\_\_ % of Coverage

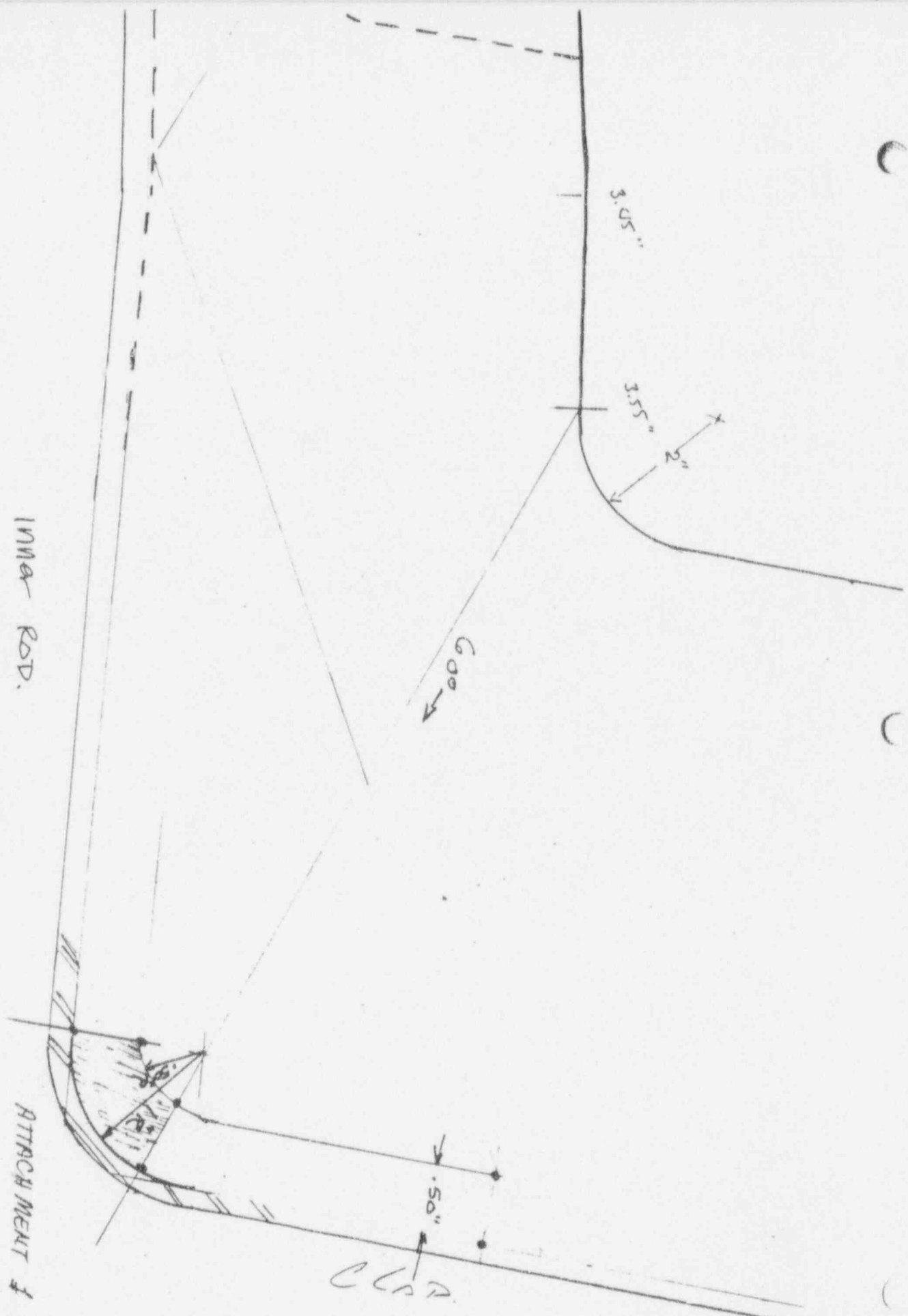
Qualifies for Request for Relief  Yes  No

Disposition: \_\_\_\_\_

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

By: \_\_\_\_\_ Date: \_\_\_\_\_

*Handwritten initials and date*  
11/29/94



total AREA = 1.83 Sq. in.  
 total LOSS = 1.242

INNER ROAD.  
 ITEM # 803.120.005

1/6/94

### Limited Exam Data Sheet

Station CATAWBA Unit 1 I.D. # 1 PER-W4C  
By Lawrence Setz Date 11-24-92 Item # B03.120.006  
Checked By Larry Menden Date 11-28-93 Page 5 Of 3

#### DETERMINING THE CUMULATIVE TOTAL OF WELD VOLUME INSPECTED (in percentage)

Total Cross Sectional Area 1.83 x (Number of Scans) 2 = 3.66 (% Factor)

#### Vessels:

Area Loss : Zone #1 n/a  
Zone #2 n/a  
Zone #3 n/a

Total Zone Loss 1.242 / (% Factor) 3.66 x 100 = 33.9 % of Loss

Lump Sum Loss From Other Limitations + \_\_\_\_\_ %

Total Loss \_\_\_\_\_ %

100% - (Total Loss) 33.9 = 66.1 % of Coverage

( Additional n/a % of Partial Coverage)

Qualifies for Request for Relief  Yes  No

#### Piping:

Axial Scan \_\_\_\_\_ (Loss) \_\_\_\_\_ / \_\_\_\_\_ (% Factor) x 100 = \_\_\_\_\_ % of Loss

Circumferential Scan Over Root Area  Yes  No \_\_\_\_\_ % of Loss

Axial Loss \_\_\_\_\_ + Circ. Loss \_\_\_\_\_ = \_\_\_\_\_ / 2 = \_\_\_\_\_ % Loss

Additional Losses (Due to hangers, restraints, etc.) + \_\_\_\_\_ % Loss

Explain: \_\_\_\_\_ Total % Loss

100% - (Total Loss) \_\_\_\_\_ = \_\_\_\_\_ % of Coverage

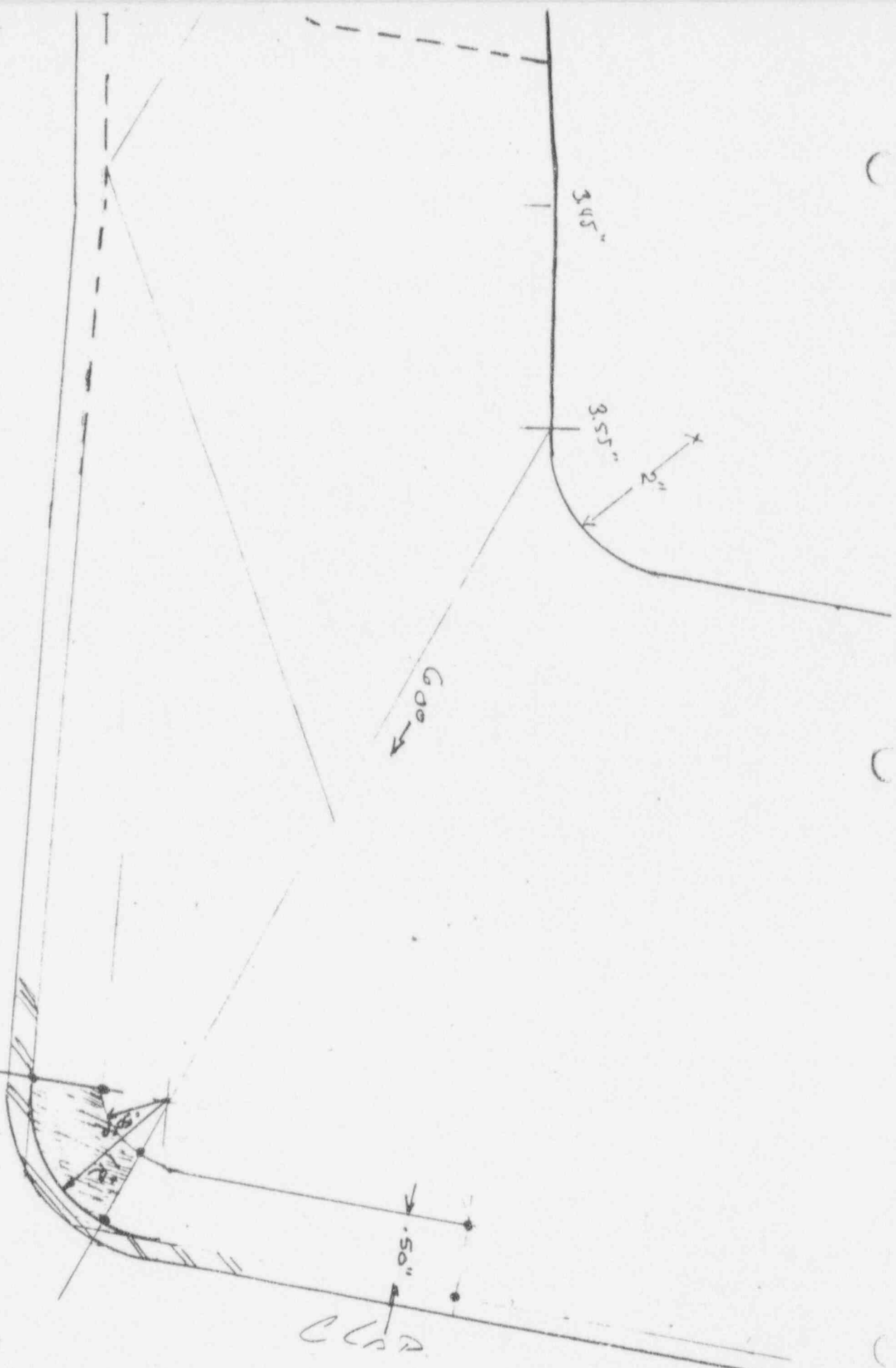
Qualifies for Request for Relief  Yes  No

Disposition: \_\_\_\_\_

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

By: \_\_\_\_\_ Date: \_\_\_\_\_

*[Handwritten signature]*



INNER ROD.

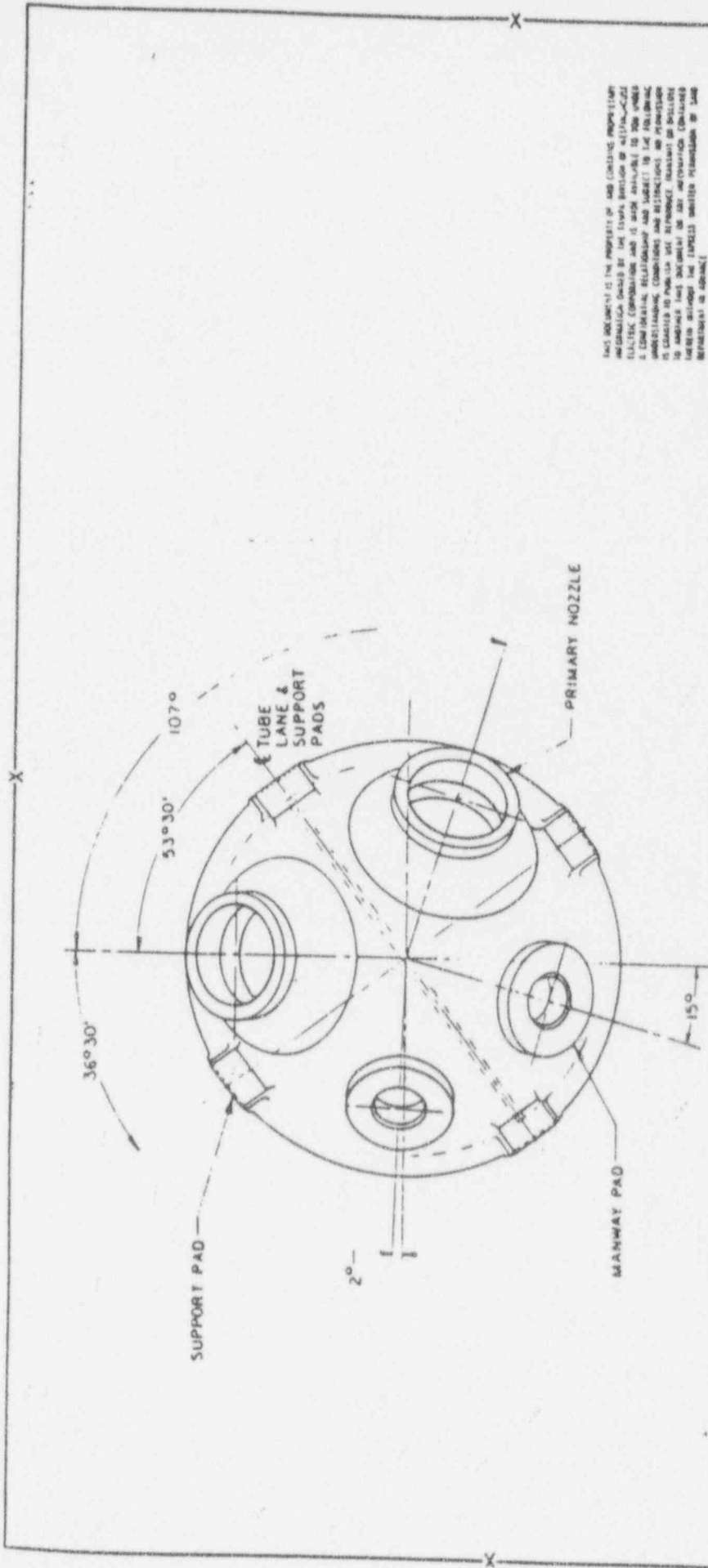
total AREA = 1.83 Sq. in.

total LOSS = 1.242

ATTACHMENT 1  
of pg. 3 of 3

B03.120.006

*[Handwritten signature]*  
1/6/91



THIS DOCUMENT IS THE PROPERTY OF AND CONTAINS PROPRIETARY INFORMATION OF WESTINGHOUSE ELECTRIC CORPORATION. IT IS TO BE KEPT CONFIDENTIAL AND IS NOT TO BE REPRODUCED, COPIED, OR TRANSMITTED IN ANY FORM OR BY ANY MEANS, ELECTRONIC OR MECHANICAL, INCLUDING PHOTOCOPYING, RECORDING, OR BY ANY INFORMATION STORAGE AND RETRIEVAL SYSTEM, WITHOUT THE WRITTEN PERMISSION OF WESTINGHOUSE ELECTRIC CORPORATION. THIS DOCUMENT IS NOT TO BE USED FOR ANY PURPOSES OTHER THAN THAT AUTHORIZED BY THE ORIGINAL RECIPIENT.

Westinghouse Electric Corporation TAMPA DIVISION TAMPA FLA. APPARATUS MODEL "D" STEAM GENERATOR TITLE CHAMBER HEAD ORIENTATION			
DPTM Jim S... CHKD... DESIGNED BY... DATE...	10/1/54 9/1/54 7/1/54	SHEET NO. 1 OF 1	EDSK-351098B
LAST NUMBER USED		DRAWING NOT TO SCALE	
ITEM PARTS LIST		SHEET NO. 1 OF 1 SHEETS	
CHANGE		972C/99801	
S.O. 1	D.S.	SER. No. 94-01 ATTACHMENT 2 PG 42 OF 68	





Limited Exam Data Sheet

Station CATAWBA Unit 1 I.D. # SG 1C INLET Nozzle  
By Larry Mauldin Date 11-5-93 Item # B03.140.005  
Checked By Richard A Childers Date 11-11-93 Page 3 of 3

DETERMINING THE CUMULATIVE TOTAL OF WELD VOLUME INSPECTED  
(in percentage)

Total Cross Sectional Area 5.81 x (Number of Scans) 2 = 11.62 (% Factor)

Vessels:

Area Loss : Zone #1 \_\_\_\_\_  
Zone #2 N/A  
Zone #3 \_\_\_\_\_

Total Zone Loss N/A / (% Factor) N/A x 100 = N/A % of Loss

Lump Sum Loss From Other Limitations + 44.75 %

Total Loss 44.75 %

100% - (Total Loss) 44.75 = 55.25 % of Coverage

( Additional 0 % of Partial Coverage)

Qualifies for Request for Relief  Yes  No

Piping:

Axial Scan \_\_\_\_\_ (Loss) \_\_\_\_\_ / \_\_\_\_\_ (% Factor) x 100 = \_\_\_\_\_ % of Loss

Circumferential Scan Over Root Area  Yes  No \_\_\_\_\_ % of Loss

Axial Loss \_\_\_\_\_ + Circ. Loss \_\_\_\_\_ = \_\_\_\_\_ / 2 = \_\_\_\_\_ % Loss

Additional Losses (Due to hangers, restraints, etc.) + \_\_\_\_\_ % Loss

Explain: \_\_\_\_\_  
\_\_\_\_\_

(100% - Total Loss) = \_\_\_\_\_ % of Actual Coverage

Disposition: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

By: \_\_\_\_\_ Date: \_\_\_\_\_

*[Handwritten signature]*

STEAM GENERATOR  
 INLET NOZZLE

$$\begin{aligned}
 2.75'' R^2 \times \pi &= 23.758 + 4 = 5.9375 = 5.94 \\
 2.25'' R^2 \times \pi &= 15.9 + 4 = 3.925 = 3.98 \\
 \hline
 &1.96 = 9.94 \\
 &1.5 \\
 &\hline
 &2.55 \\
 &\hline
 &5.815 \text{ sq in} \\
 &\hline
 &5.815 \text{ sq in} \\
 &\hline
 &5.815 \text{ sq in}
 \end{aligned}$$

AREA of LOSS =  $.5'' \times 5.2'' = 2.6 \text{ sq in}$   
 $2.6 \div 5.81 = 44.75\%$

AMOUNT of COVERAGE =  $55.25\%$   
 SCANNED ON GENERATOR SIDE ONLY

AREA NOT SCANNED  
 SCALE  $1/2'' = 1''$



SER. No. 94-01  
 ATTACHMENT 2  
 PG 45 OF 68

By Larry Mueller S

### Limited Exam Data Sheet

Station CATAWBA Unit 1 I.D. # SG 1C Outlet Nozzle  
 By Larry Mauldin Date 11-5-93 Item # 803.140.006  
 Checked By Richard B Childers Date 11-11-93 Page 3 OF 3

#### DETERMINING THE CUMULATIVE TOTAL OF WELD VOLUME INSPECTED (in percentage)

Total Cross Sectional Area 5.81 x (Number of Scans) 2 = 11.62 (% Factor)

#### Vessels:

Area Loss : Zone #1 \_\_\_\_\_  
 Zone #2 N/A  
 Zone #3 \_\_\_\_\_

Total Zone Loss N/A / (% Factor) N/A x 100 = N/A % of Loss

Lump Sum Loss From Other Limitations + 44.75 %

Total Loss 44.75 %

100% - (Total Loss) 44.75 = 55.25 % of Coverage

( Additional 0 % of Partial Coverage)

Qualifies for Request for Relief  Yes  No

#### Piping:

Axial Scan \_\_\_\_\_ (Loss) \_\_\_\_\_ / \_\_\_\_\_ (% Factor) x 100 = \_\_\_\_\_ % of Loss

Circumferential Scan Over Root Area  Yes  No \_\_\_\_\_ % of Loss

Axial Loss \_\_\_\_\_ + Circ. Loss \_\_\_\_\_ = \_\_\_\_\_ / 2 = \_\_\_\_\_ % Loss

Additional Losses (Due to hangers, restraints, etc.) + \_\_\_\_\_ % Loss

Explain: \_\_\_\_\_  
 \_\_\_\_\_

(100% - Total Loss) = \_\_\_\_\_ % of Actual Coverage

Disposition: \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

By: \_\_\_\_\_ Date: \_\_\_\_\_

*[Signature]*  
 11/6/94

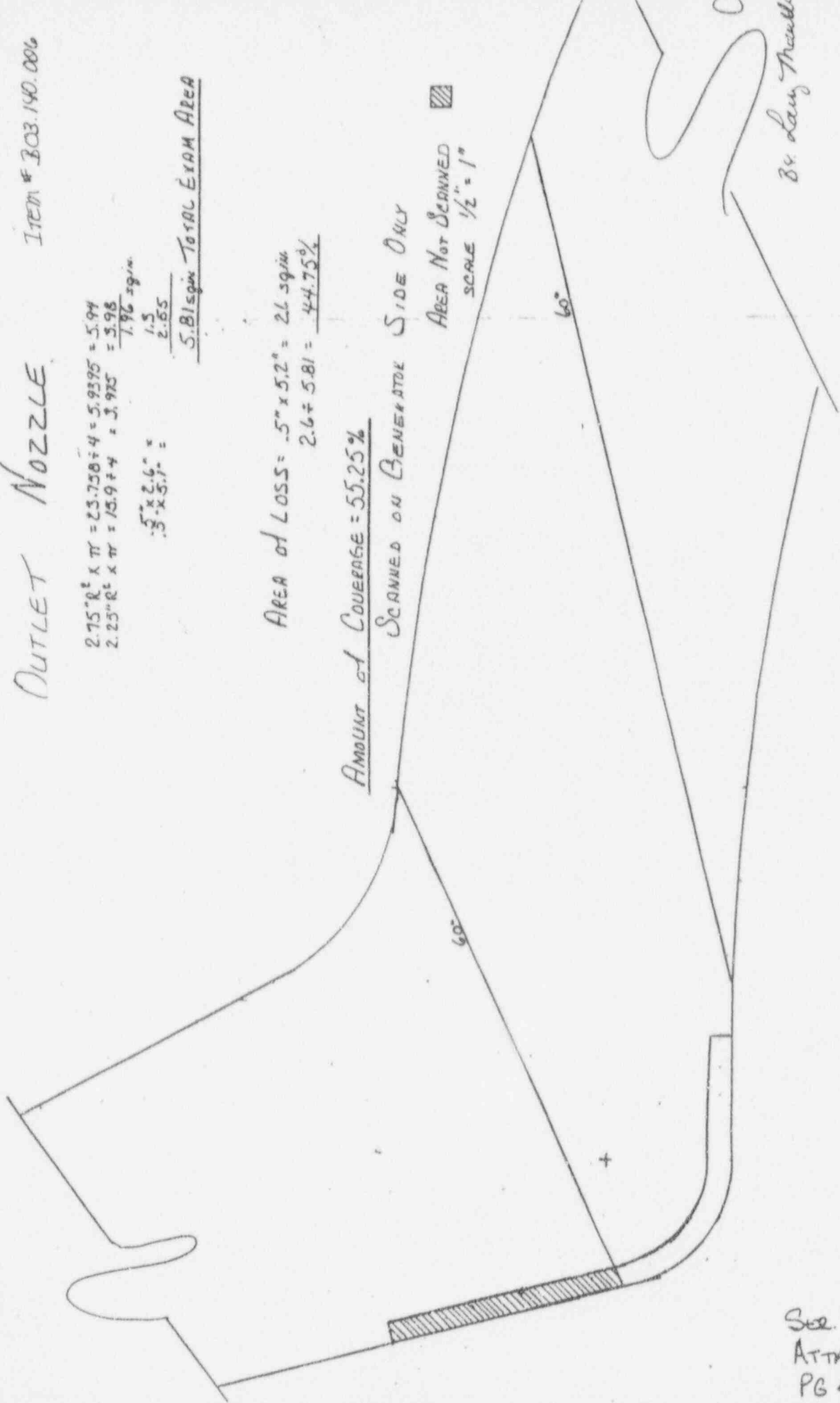
STEAM GENERATOR  
 OUTLET NOZZLE

$$\begin{array}{r}
 2.75'' R^2 \times \pi = 23.750 \div 4 = 5.9375 = 5.94 \\
 2.25'' R^2 \times \pi = 15.9 \div 4 = 3.975 = 3.98 \\
 \hline
 1.96 \text{ sq. in.} \\
 1.5 \\
 \hline
 2.65 \\
 \hline
 5.81 \text{ sq. in. Total Exam Area}
 \end{array}$$

AREA OF LOSS =  $.5'' \times 5.2'' = 2.6 \text{ sq. in.}$   
 $2.6 \div 5.81 = 44.75\%$

AMOUNT OF COVERAGE = 55.25%  
 SCANNED ON GENERATOR SIDE ONLY

AREA NOT SCANNED  
 SCALE 1/2" = 1"

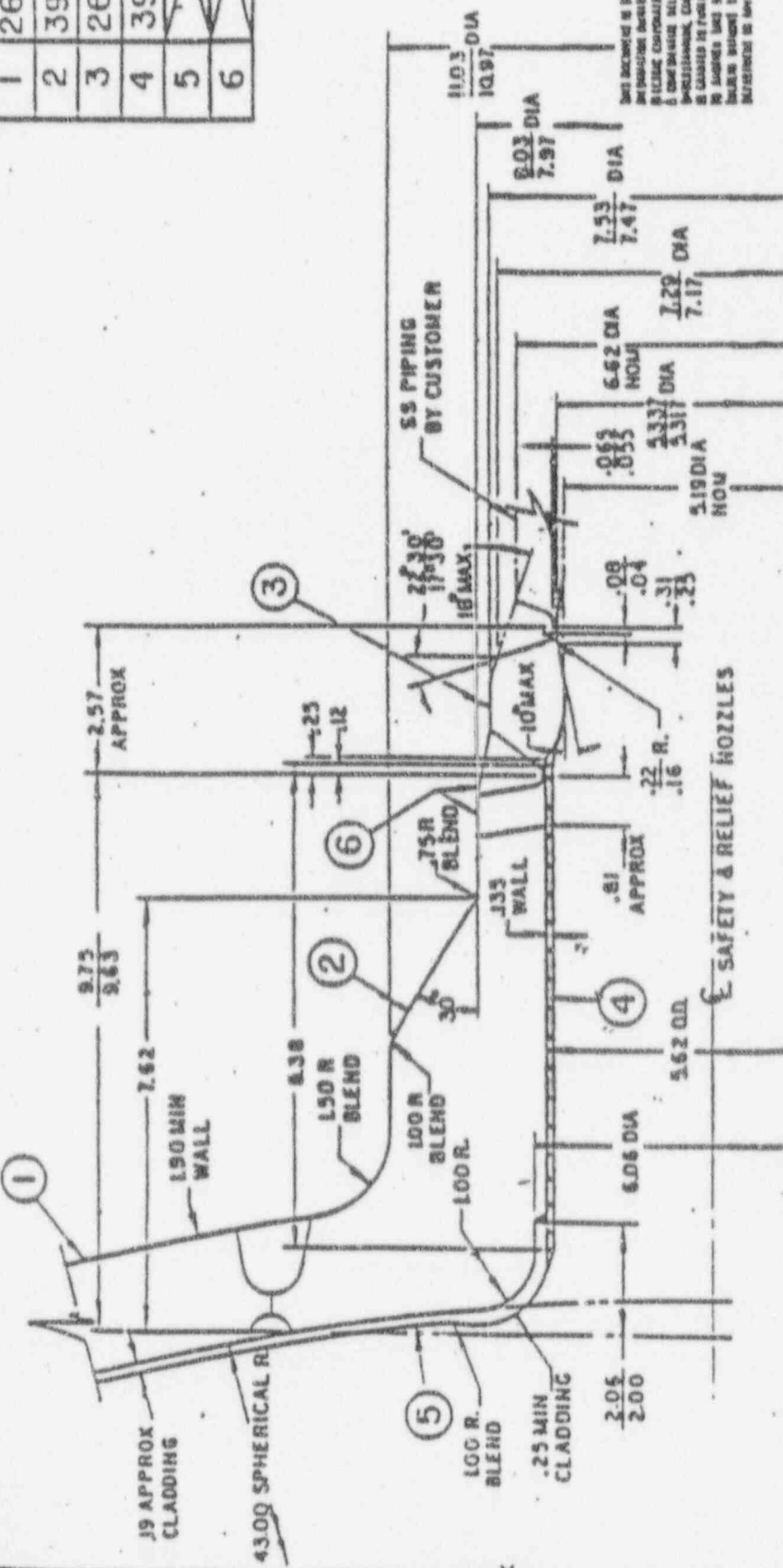


MATERIAL

ITEM	W PD3 / DWG N°	ASME N°
1	2656A90	SA-533 GR A CLASS 2
2	393A708	SA-500 CLASS 2
3	2656A96	SA-182 GRAD F-316L
4	398A009	SA-213 GRAD TP 304
5		SS CLADDING
6		INCONEL WEI

NOTES:

WELD PREP PER PWRSD DWG 271C900



THIS DOCUMENT IS THE PROPERTY OF AND CONTAINS PROPRIETARY INFORMATION OF WESTINGHOUSE ELECTRIC CORPORATION AND IS LOANED TO YOU BY WESTINGHOUSE ELECTRIC CORPORATION. IT IS TO BE USED ONLY FOR THE PURPOSES SPECIFIED IN THE ORDER. IT IS NOT TO BE REPRODUCED, COPIED, REPRODUCED, TRANSMITTED OR IN ANY MANNER MADE AVAILABLE TO OTHERS WITHOUT THE WRITTEN PERMISSION OF WESTINGHOUSE ELECTRIC CORPORATION.

<p>Westinghouse Electric Corporation TAMPA DIVISION TAMPA FLA. APPARATUS PRESSURIZER (84 SERIES) TITLE SAFETY &amp; RELIEF NOZ DET (FAB ID)</p>	
<p>DRW J.E. SIMON CHKD [Signature] APP [Signature] DATE 11/12</p>	<p>EDSK 379443B</p>
<p>ITEM 006</p>	<p>DRWGNG NOT TO SCALE</p>
<p>LAST NUMBER USED</p>	<p>SHEET NO 1 OF 1 SHEETS</p>
<p>CHANGE</p>	
<p>1</p>	

Figure 2-1. Safety and Relief Nozzle Detailed Drawing

See No. 94-01  
Attachment 2  
PG 48 OF 68

### Limited Exam Data Sheet

Station CATAWBA Unit 1 I.D. # 1 PER-W4ASE  
 By DE Houser Date 11-24-93 Item # BOS. 040. 004  
 Checked By Kamy Mauldin Date 12-1-93 Page 4 of 5

DETERMINING THE CUMULATIVE TOTAL OF WELD VOLUME INSPECTED  
 (in percentage)

Total Cross Sectional Area .6565 x (Number of Scans) 2 = 1.313 (% Factor)

Vessels:

Area Loss : Zone #1 \_\_\_\_\_  
 Zone #2 \_\_\_\_\_  
 Zone #3 \_\_\_\_\_  
 Total Zone Loss \_\_\_\_\_ / (% Factor) \_\_\_\_\_ x 100 = \_\_\_\_\_ % of Loss  
 Lump Sum Loss From Other Limitations + \_\_\_\_\_ %  
 Total Loss \_\_\_\_\_ %  
 100% - (Total Loss) \_\_\_\_\_ = \_\_\_\_\_ % of Coverage  
 ( Additional \_\_\_\_\_ % of Partial Coverage)  
 Qualifies for Request for Relief  Yes  No

Piping:

Axial Scan 45° L & 60° L & 38° (Loss) .6565 / 1.313 (% Factor) x 100 = 50 % of Loss  
 Circumferential Scan Over Root Area  Yes  No 0 % of Loss  
 Axial Loss 50 + Circ. Loss 0 = 50 / 2 = 25 % Loss  
 Additional Losses (Due to hangers, restraints, etc.) + 0 % Loss  
 Explain: No SCAN from Subject 2 25 Total % Loss  
DUE TO NOZZLE CONFIGURATION

100% - (Total Loss) 25 = 75 % of Coverage  
 Qualifies for Request for Relief  Yes  No

Disposition: \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

By: \_\_\_\_\_ Date: \_\_\_\_\_

*[Handwritten Signature]*  
 1/6/94

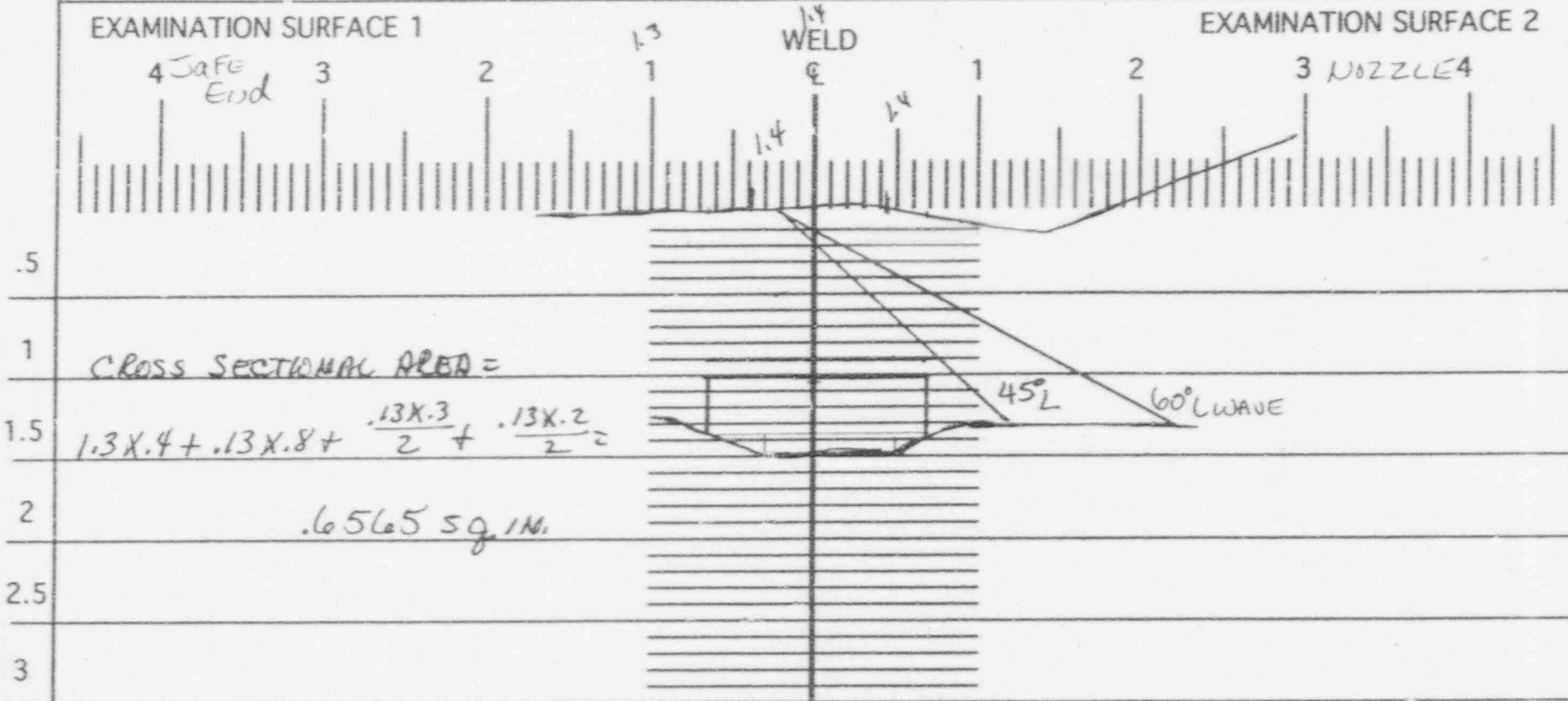
DUKE POWER COMPANY  
UT PROFILE/PLOT SHEET

NDE-UT-5

Revision 1

EXAMINATION SURFACE 1

EXAMINATION SURFACE 2



Component ID/Weld No.

1PZR-W4ASE

Remarks: Profile Taken FROM PREVIOUS DATA



Item No: B05,040,004

Examiner: *LE Hayer*

Level: II

Date: 11-24-93

Reviewed By: *Larry Maudlin*

Level: II

Date: 12-1-93

Authorized Inspector: *Robert McNeil*

Date: DEC 9 1993

180 Sheet 5 of 5

GEN. No. 94-01  
 Attachment 2  
 PG 50 OF 68

*OP*  
1/6/94



### Limited Exam Data Sheet

Station CATAWBA Unit 1 I.D. # 1 PER-6485E  
By DEHouery Date 11.24.93 Item # 805.040.005  
Checked By Larry Mauldin Date 12.1.93 Page 4 of 5

#### DETERMINING THE CUMULATIVE TOTAL OF WELD VOLUME INSPECTED (in percentage)

Total Cross Sectional Area .6225 x (Number of Scans) 2 = 1.245 (% Factor)

#### Vessels:

Area Loss : Zone #1 \_\_\_\_\_  
Zone #2 \_\_\_\_\_  
Zone #3 \_\_\_\_\_

Total Zone Loss \_\_\_\_\_ / (% Factor) \_\_\_\_\_ x 100 = \_\_\_\_\_ % of Loss

Lump Sum Loss From Other Limitations + \_\_\_\_\_ %

Total Loss \_\_\_\_\_ %

100% - (Total Loss) \_\_\_\_\_ = \_\_\_\_\_ % of Coverage

( Additional \_\_\_\_\_ % of Partial Coverage)

Qualifies for Request for Relief  Yes  No

#### Piping:

Axial Scan 45°, 60° & 38° (Loss) .6225 / 1.245 (% Factor) x 100 = 50 % of Loss

Circumferential Scan Over Root Area  Yes  No 0 % of Loss

Axial Loss 50 + Circ. Loss 0 = 50 / 2 = 25 % Loss

Additional Losses (Due to hangers, restraints, etc.) + 0 % Loss

Explain: No SCAN from Surtsee 2 25 Total % Loss

DUE TO NOZZLE CONFIGURATION

100% - (Total Loss) 25 = 75 % of Coverage

Qualifies for Request for Relief  Yes  No

Disposition: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

By: \_\_\_\_\_ Date: \_\_\_\_\_

*[Handwritten signature]*  
1/6/94

DUKE POWER COMPANY  
UT PROFILE/PLOT SHEET

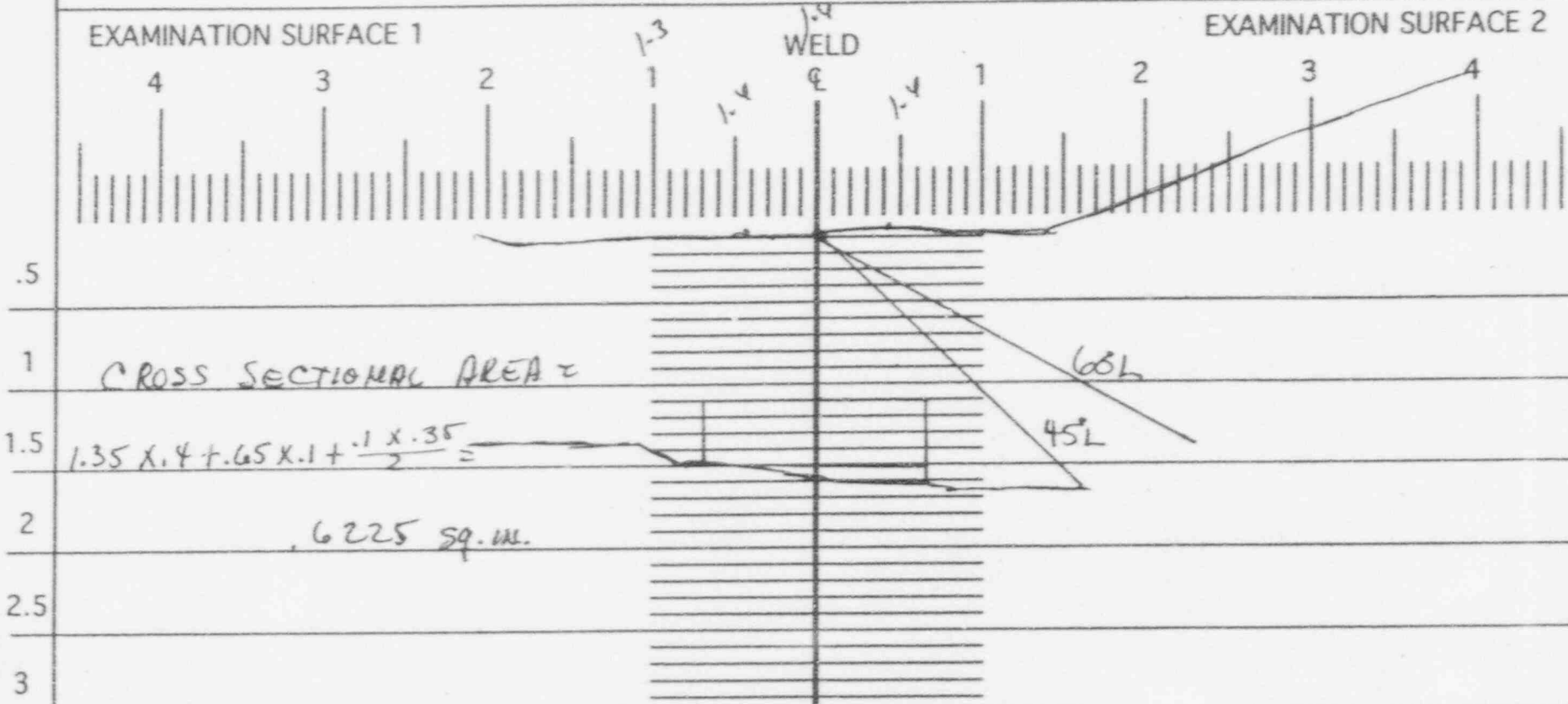
NDE-UT-5

Revision 1

EXAMINATION SURFACE 1

EXAMINATION SURFACE 2

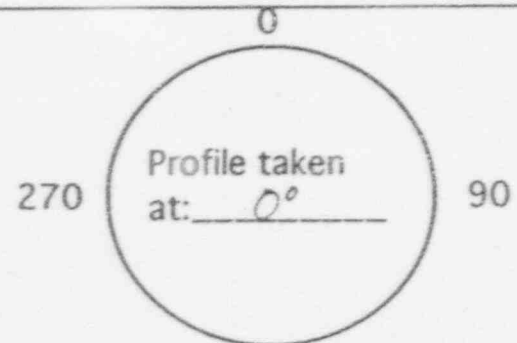
WELD



Component ID/Weld No.

1PZR W485E

Remarks: Profile Taken From Previous DATA



Item No: B05 040.005

Examiner: DE Houser

Level: II

Date: 11-24-93

Reviewed By: Randy Mauldin

Level: II

Date: 12-1-93

Authorized Inspector: Robert McCall

Date: DEC 9 1993

180 Sheet 5 of 5

SER. No. 94-01  
ATTACHMENT 2  
P. 52 OF 68

1/6/94

## Limited Exam Data Sheet

Station CATAWBA Unit 1 I.D. # 1 Per-W4CSE  
 By W.E. Hennessey Date 11-24-93 Item # BOS. 040. 006  
 Checked By Sandy Mauldin Date 12-1-93 Page 4 of 5

### DETERMINING THE CUMULATIVE TOTAL OF WELD VOLUME INSPECTED

(in percent)

Total Cross Sectional Area .675 x (Number of Scans) 2 = 1.35 (% Factor)

#### Vessels:

Area Loss : Zone #1 \_\_\_\_\_  
 Zone #2 \_\_\_\_\_  
 Zone #3 \_\_\_\_\_  
 Total Zone Loss \_\_\_\_\_ / (% Factor) \_\_\_\_\_ x 100 = \_\_\_\_\_ % of Loss  
 Lump Sum Loss From Other Limitations + \_\_\_\_\_ %  
 Total Loss \_\_\_\_\_ %  
 100% - (Total Loss) \_\_\_\_\_ = \_\_\_\_\_ % of Coverage  
 ( Additional \_\_\_\_\_ % of Partial Coverage)  
 Qualifies for Request for Relief  Yes  No

#### Piping:

Axial Scan 45° & 60° @ 38 S (Loss) .675 / 1.35 (% Factor) x 100 = 50 % of Loss  
 Circumferential Scan Over Root Area  Yes  No 0 % of Loss  
 Axial Loss 50 + Circ. Loss 0 = 50 / 2 = 25 % Loss  
 Additional Losses (Due to hangers, restraints, etc.) + 0 % Loss  
 Explain: No SCAN FROM SURFACE 25 Total % Loss  
DUE TO NOZZLE CONFIGURATION

100% - (Total Loss) 25 = 75 % of Coverage  
 Qualifies for Request for Relief  Yes  No

#### Disposition:

\_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

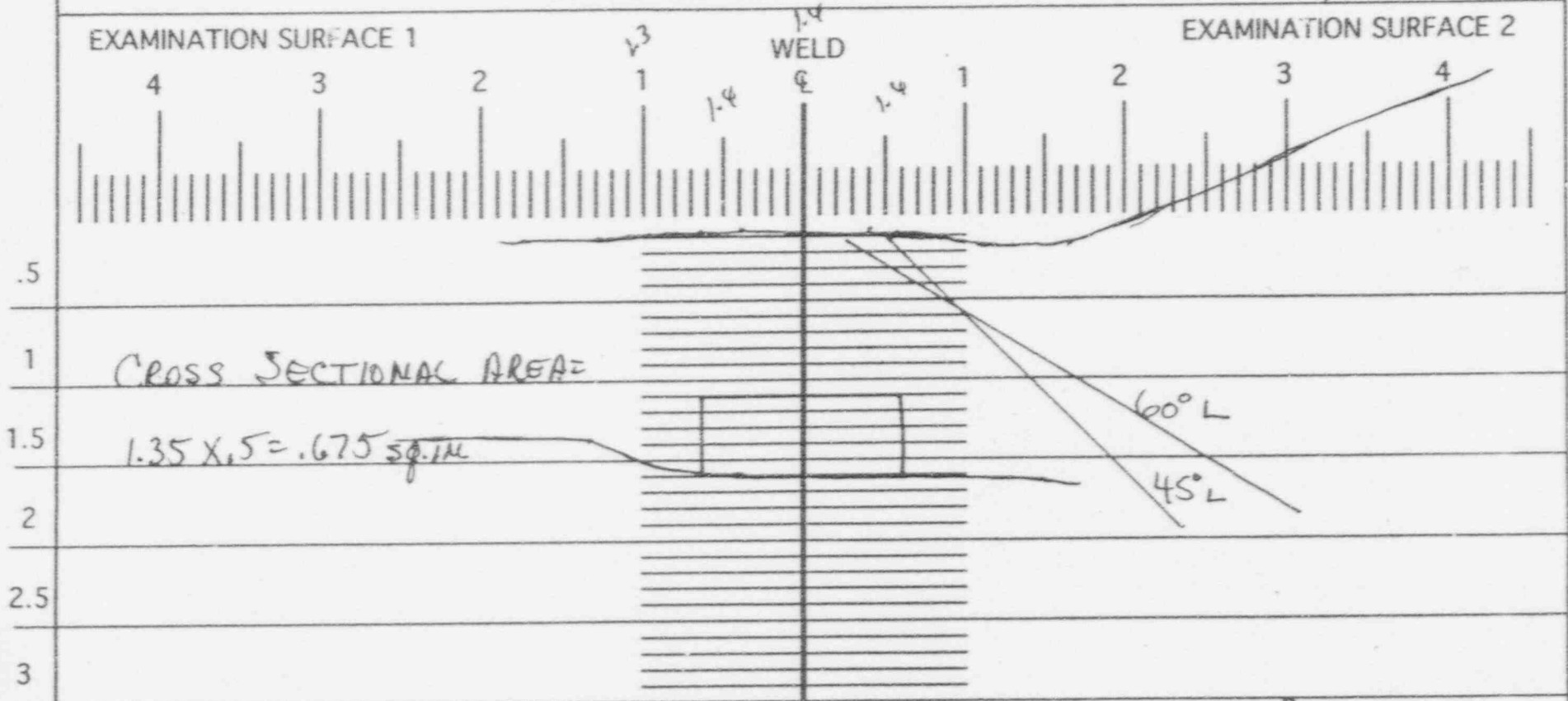
By: \_\_\_\_\_ Date: \_\_\_\_\_

*[Handwritten Signature]*  
 1/6/94

DUKE POWER COMPANY  
UT PROFILE/PLOT SHEET

NDE-UT-5

Revision 1



Component ID/Weld No. 1PZR-W4CSE

Remarks: PROFILE TAKEN FROM PREVIOUS DATA



Item No: B05.040.006

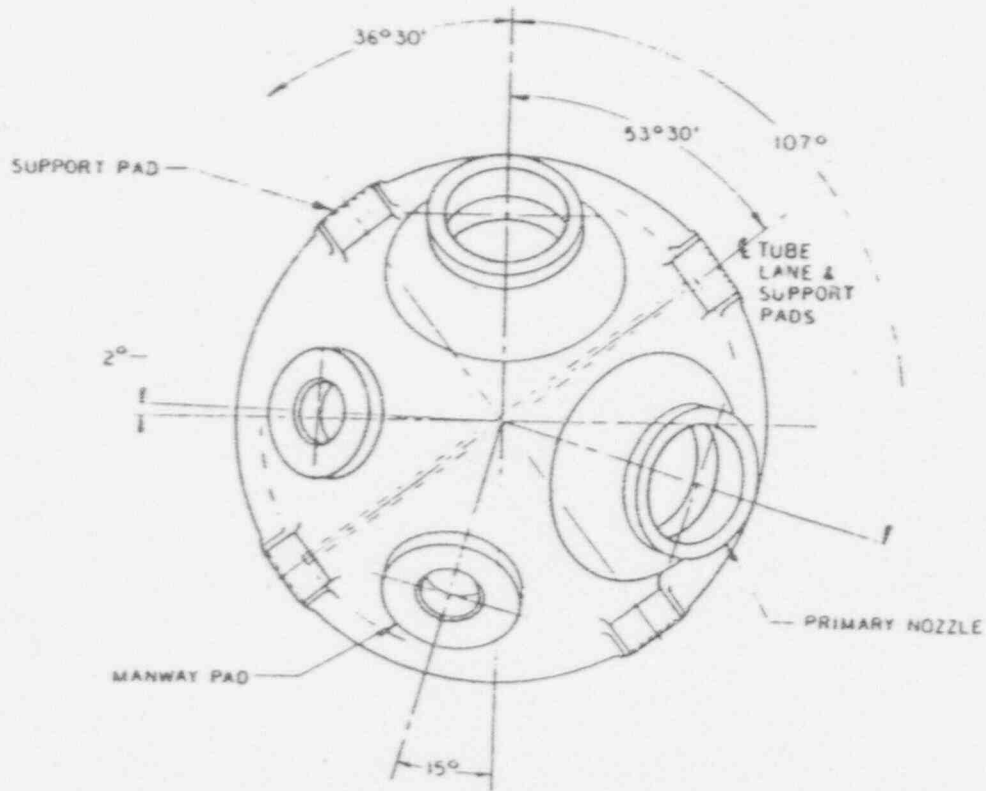
Examiner: <u>DE Houser</u>	Level: <u>II</u>	Date: <u>11-24-93</u>
Reviewed By: <u>Larry Mauldin</u>	Level: <u>II</u>	Date: <u>12-1-93</u>
Authorized Inspector: <u>Robert Nish</u>		Date: <u>BEC 9 1993</u>

180 Sheet 5 of 5

Ser. No. 9A-01  
 ATTACHMENT 2  
 PG 54 OF 68


*[Handwritten signature]*  
1/6/94

3-3



THIS DOCUMENT IS THE PROPERTY OF AND CONTAINS PROPRIETARY INFORMATION OWNED BY THE TAMPA DIVISION OF WESTINGHOUSE ELECTRIC CORPORATION AND IS MADE AVAILABLE TO YOU UNDER A CONFIDENTIAL RELATIONSHIP AND SUBJECT TO THE FOLLOWING UNDERSTANDING: CONDITIONS AND RESTRICTIONS. NO PERMISSION IS GRANTED TO PUBLISH OR REPRODUCE, TRANSMIT OR DISCLOSE TO ANOTHER THIS DOCUMENT OR ANY INFORMATION CONTAINED THEREIN WITHOUT THE EXPRESS WRITTEN PERMISSION OF SAID DEPARTMENT IN ADVANCE.

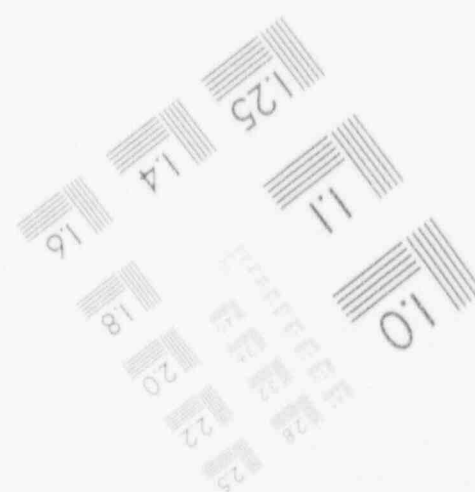
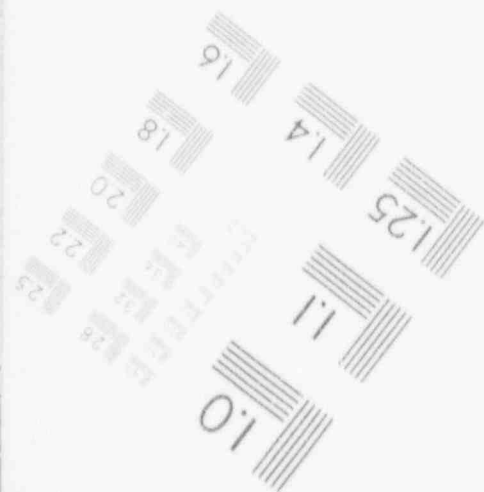
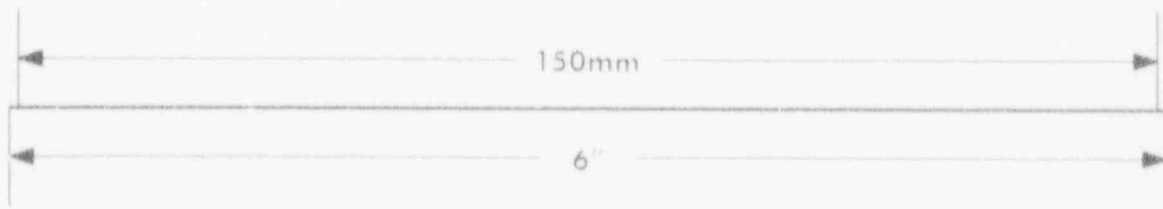
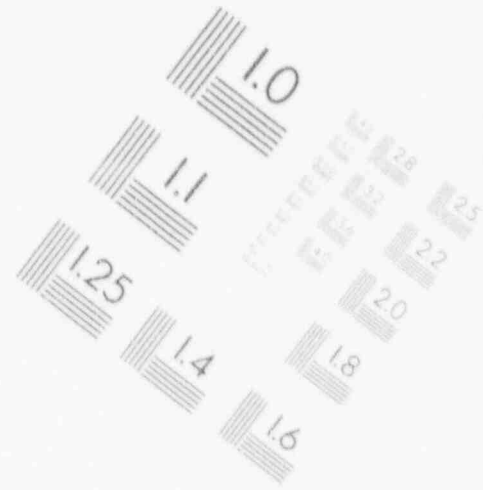
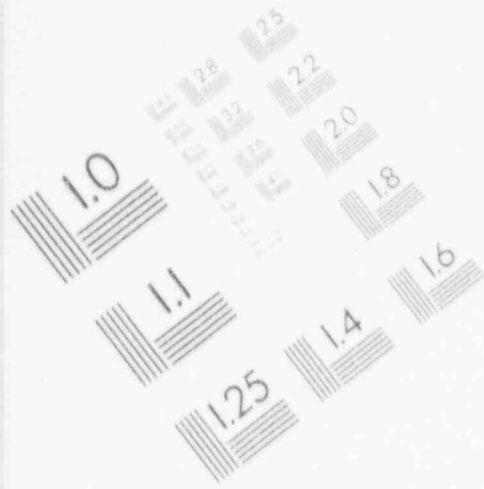
Serial No. 94-01  
ATTACHMENT Z  
PG 55 OF 68

CHANGE		ITEM		LAST NUMBER USED		PARTS LIST		Westinghouse Electric Corporation TAMPA DIVISION TAMPA FLA. APPARATUS MODEL "D" STEAM GENERATOR TITLE CHAMBER HEAD ORIENTATION		 EDSK-351098B
1								DFTM Jim Savage CHRD DESIGN APP MATL & WELD APP.	MECH ENG WED APP QUAL CONT	

672C796X1

# 2

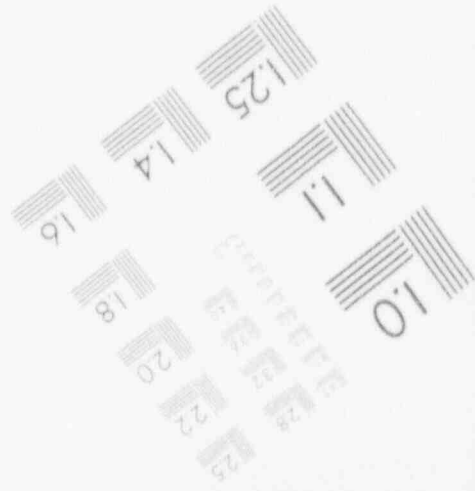
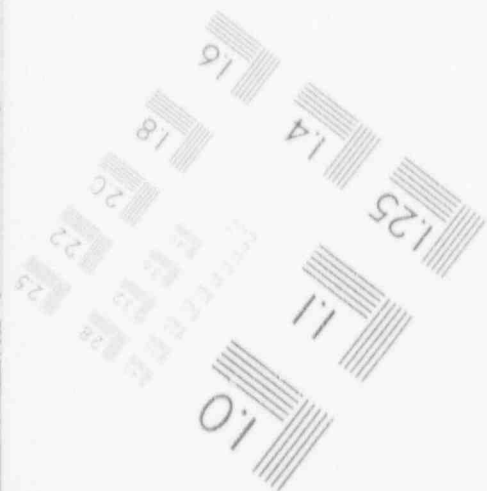
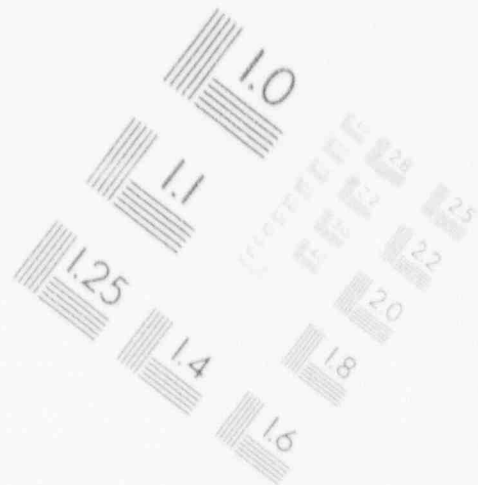
## IMAGE EVALUATION TEST TARGET (MT-3)



PHOTOGRAPHIC SCIENCES CORPORATION  
770 BASKET ROAD  
P.O. BOX 338  
WEBSTER, NEW YORK 14580  
(716) 265-1600

# 2

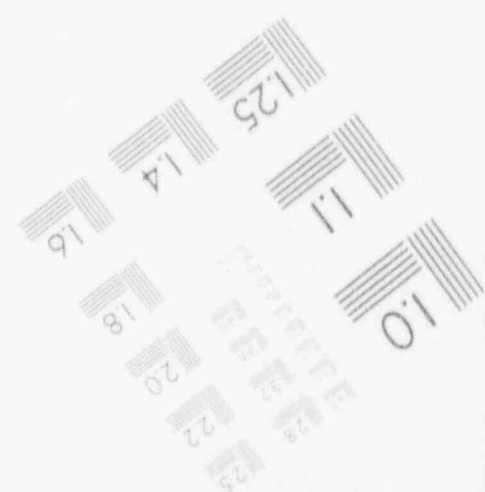
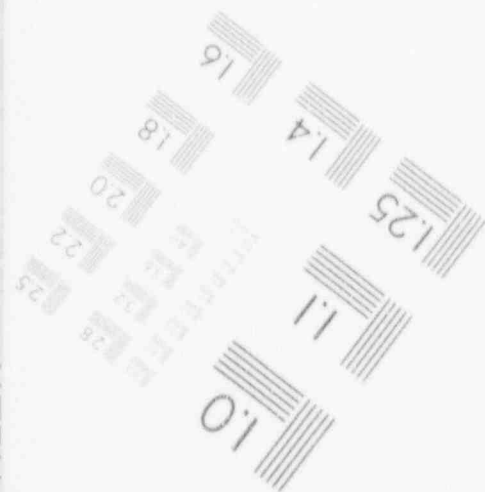
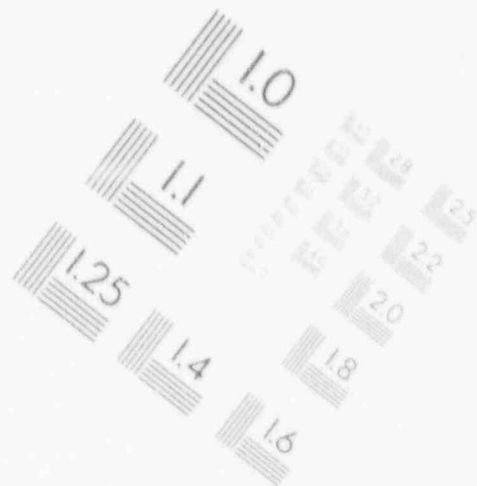
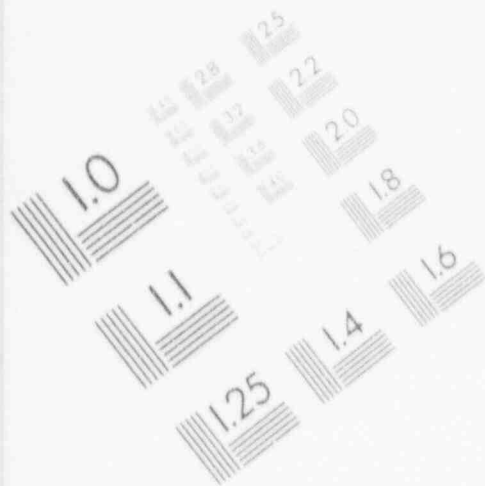
## IMAGE EVALUATION TEST TARGET (MT-3)



PHOTOGRAPHIC SCIENCES CORPORATION  
770 BASKET ROAD  
P.O. BOX 338  
WEBSTER, NEW YORK 14580  
(716) 265-1600

# 2

## IMAGE EVALUATION TEST TARGET (MT-3)

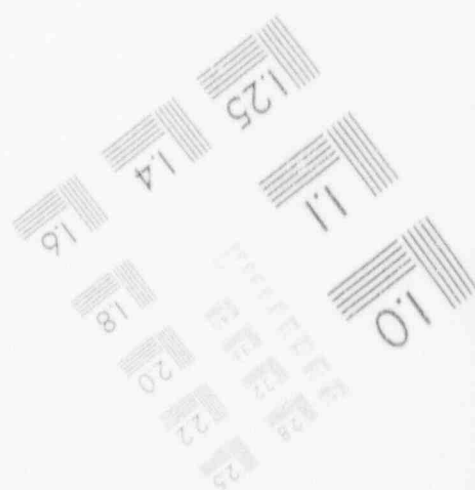
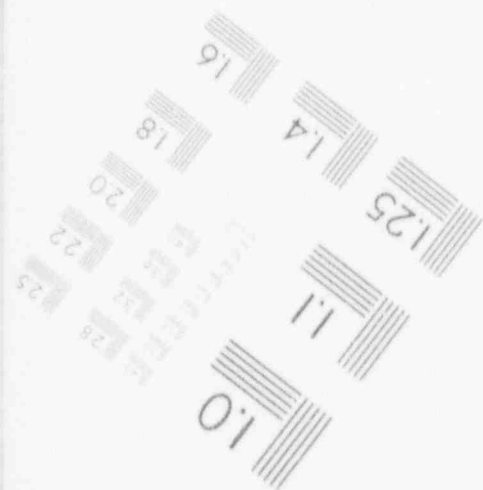
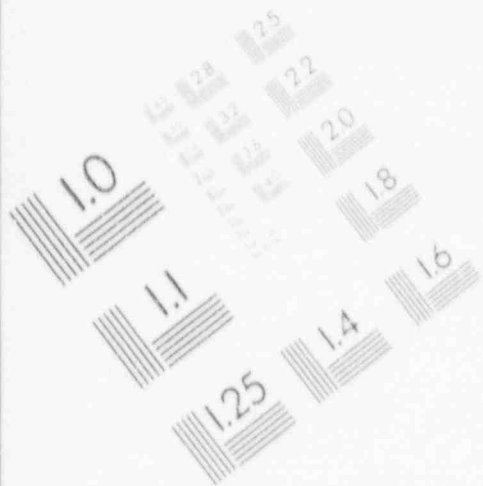


PHOTOGRAPHIC SCIENCES CORPORATION  
770 BASKET ROAD  
P.O. BOX 338  
WEBSTER, NEW YORK 14580  
(716) 265-1600

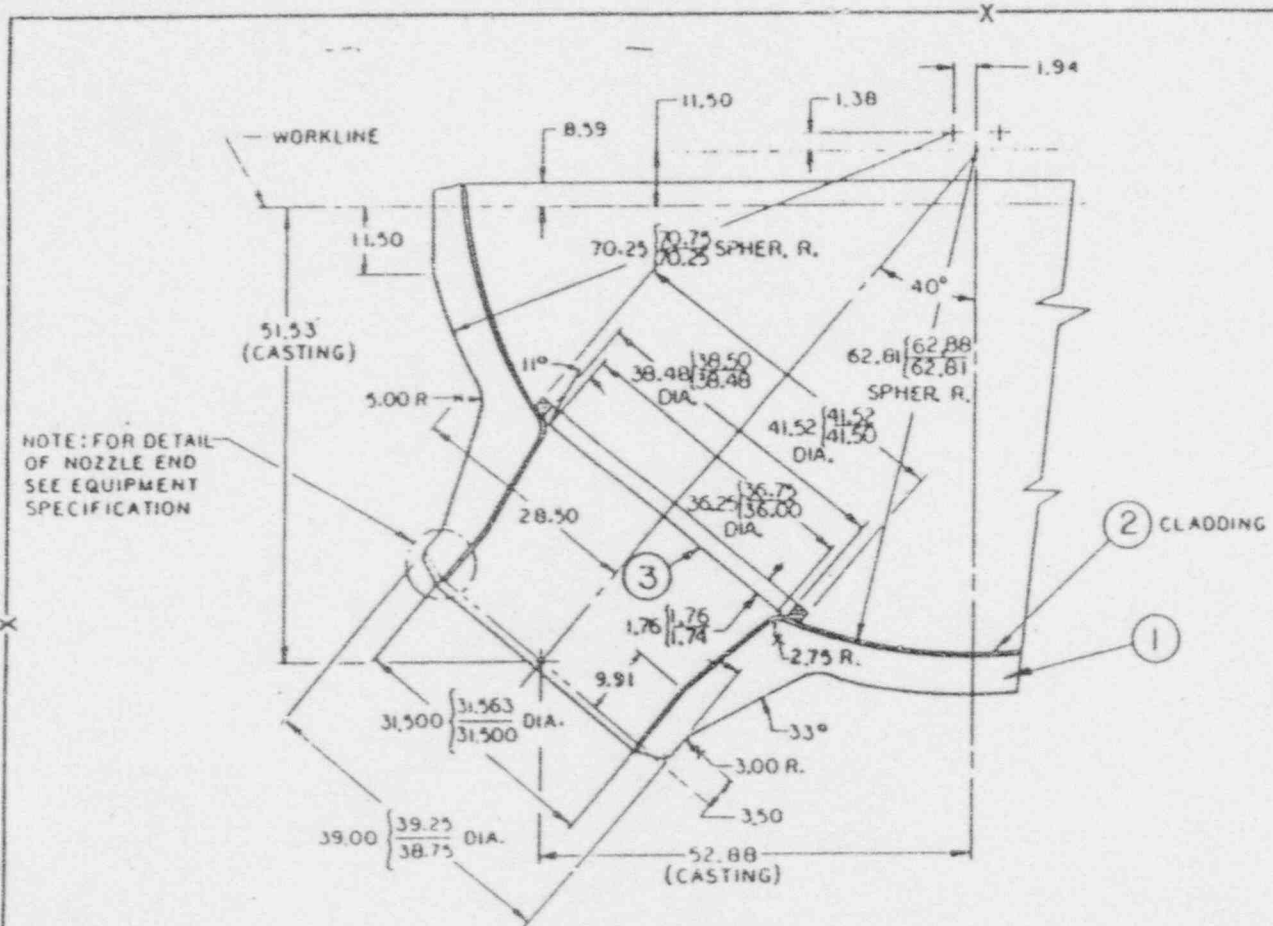


# 2

## IMAGE EVALUATION TEST TARGET (MT-3)



PHOTOGRAPHIC SCIENCES CORPORATION  
770 BASKET ROAD  
P.O. BOX 338  
WEBSTER, NEW YORK 14580  
(716) 265-1600



MATERIAL		
ITEM	W POS DWG N <sup>o</sup>	ASME N <sup>o</sup>
1	398A006	SA-216 GRADE WCC
2		STAINLESS STEEL
3	2655A11	SA-479 TYPE 316 BAR

SEE EDSK-379349B

THIS DOCUMENT IS THE PROPERTY OF AND CONTAINS PROPRIETARY INFORMATION OWNED BY THE TAMPA DIVISION OF WESTINGHOUSE ELECTRIC CORPORATION AND IS MADE AVAILABLE TO YOU UNDER A CONFIDENTIAL RELATIONSHIP AND SUBJECT TO THE FOLLOWING UNDERSTANDING, CONDITIONS AND RESTRICTIONS: NO PERMISSION IS GRANTED TO PUBLISH, USE, REPRODUCE, TRANSMIT OR DISCLOSE TO ANOTHER THIS DOCUMENT OR ANY INFORMATION CONTAINED THEREIN WITHOUT THE EXPRESS WRITTEN PERMISSION OF SAID DEPARTMENT IN ADVANCE.

3-6

Serial No. 44-01  
Attachment 2  
Pg 56 of 68

ITEM	CHANGE	LAST NUMBER USED	PARTS LIST	
			ITEM	
1				
2				
3	ENG CHG # 2223 LODED E.C. Chan, 8/28/74 See Equip. spec and list 3/24/75			

Westinghouse Electric Corporation  
TAMPA DIVISION TAMPA FLA.  
APPARATUS MODEL "O" STEAM GENERATOR  
TITLE PRIMARY NOZZLE DETAIL - CAST HEAD

DRM J. J. SALLER	WES	WELD	
CHRD J. J.	WES	MFG	
DESIGN APP. R. J. SALLER	WES	APP	
		QUAL	
		CONT	

EDSK-351101B

DRAWING NOT TO SCALE

SHEET NO | OF | SHEETS

### Limited Exam Data Sheet

Station CATAWBA Unit 1 I.D. # ISGC-INLET-SE  
 By Richard B. Childers Date 11-5-93 Item # BOS.070.005  
 Checked By Larry Mauldin Date 11-11-93 Page 3 Of 3

#### DETERMINING THE CUMULATIVE TOTAL OF WELD VOLUME INSPECTED (in percentage)

Total Cross Sectional Area N/A x (Number of Scans) \_\_\_\_\_ = \_\_\_\_\_ (% Factor)

Vessels:

Area Loss : Zone #1 \_\_\_\_\_  
 Zone #2 \_\_\_\_\_  
 Zone #3 \_\_\_\_\_

Total Zone Loss \_\_\_\_\_ / (% Factor) \_\_\_\_\_ x 100 = \_\_\_\_\_ % of Loss

Lump Sum Loss From Other Limitations + \_\_\_\_\_ %

Total Loss \_\_\_\_\_ %

100% - (Total Loss) \_\_\_\_\_ = \_\_\_\_\_ % of Coverage

( Additional \_\_\_\_\_ % of Partial Coverage)

Qualifies for Request for Relief  Yes  No

Piping:

Axial Scan 45°L (Loss) \_\_\_\_\_ / \_\_\_\_\_ (% Factor) x 100 = 50 % of Loss

Circumferential Scan Over Root Area  Yes  No 0 % of Loss

Axial Loss 50 + Circ. Loss 0 = 50 / 2 = 25 % Loss

Additional Losses (Due to hangers, restraints, etc.) + 0 % Loss

Explain: TAINONEL BUTTERING

(100% - Total Loss) = 75 % of Actual Coverage

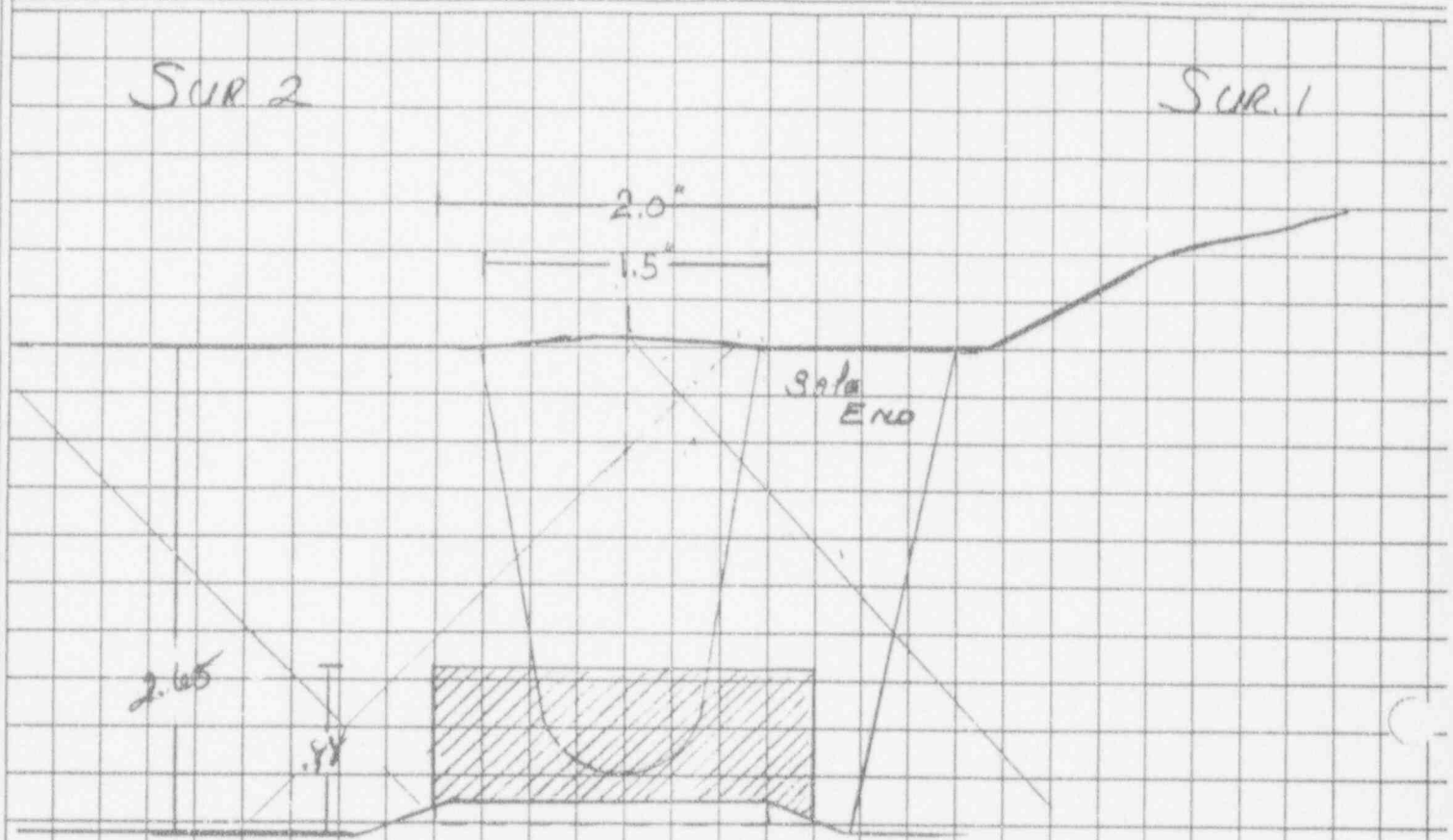
Disposition: \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

By: \_\_\_\_\_ Date: \_\_\_\_\_

*Handwritten initials*

Station CATAWBA Unit 1 Rev. \_\_\_\_\_ File No. LSG C-INLET-SE Sheet \_\_\_\_\_ Of \_\_\_\_\_  
 Subject B05.070.005

By Richard B Childers Date 11-5-93  
 Prob No. \_\_\_\_\_ Checked By Larry Mauldin Date 11-11-93



CROSS SECTIONAL AREA = N/A

A 45° L-WAVE WAS USED TO INSPECT WELD.  
 ONE DIRECTION WAS NOT SCANNED DUE TO TAPER  
 ON GENERATOR SIDE.

AXIAL DIRECTION LOSS - 50%

CIRC. DIRECTION LOSS - 0%

TOTAL LOSS - 50%

$$50\% \div 2^{(2 \text{ DIRECTIONS})} = 25\%$$

$$100 - 25\% = 75\% \text{ COVERAGE}$$

*[Handwritten signature]*

### Limited Exam Data Sheet

Station CATA 10A Unit 1 I.D. # 156A-OUTLET-SE  
By W. J. ... Date 11-5-93 Item # B305.070.006  
Checked By Larry Mauldin Date 11-11-93 Page 3 of 3

#### DETERMINING THE CUMULATIVE TOTAL OF WELD VOLUME INSPECTED (in percentage)

Total Cross Sectional Area N/A x (Number of Scans) \_\_\_\_\_ = \_\_\_\_\_ (% Factor)

#### Vessels:

Area Loss : Zone #1 \_\_\_\_\_  
Zone #2 \_\_\_\_\_  
Zone #3 \_\_\_\_\_

Total Zone Loss \_\_\_\_\_ / (% Factor) \_\_\_\_\_ x 100 = \_\_\_\_\_ % of Loss

Lump Sum Loss From Other Limitations + \_\_\_\_\_ %

Total Loss \_\_\_\_\_ %

100% - (Total Loss) \_\_\_\_\_ = \_\_\_\_\_ % of Coverage

( Additional \_\_\_\_\_ % of Partial Coverage)

Qualifies for Request for Relief  Yes  No

#### Piping:

Axial Scan 45° (Loss) \_\_\_\_\_ / \_\_\_\_\_ (% Factor) x 100 = 50 % of Loss

Circumferential Scan Over Root Area  Yes  No 0 % of Loss

Axial Loss 50 + Circ. Loss 0 = 50 / 2 = 25 % Loss

Additional Losses (Due to hangers, restraints, etc.) + 0 % Loss

Explain: Inconel Buttering 25

(100% - Total Loss) = 25 % of Actual Coverage

Disposition: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

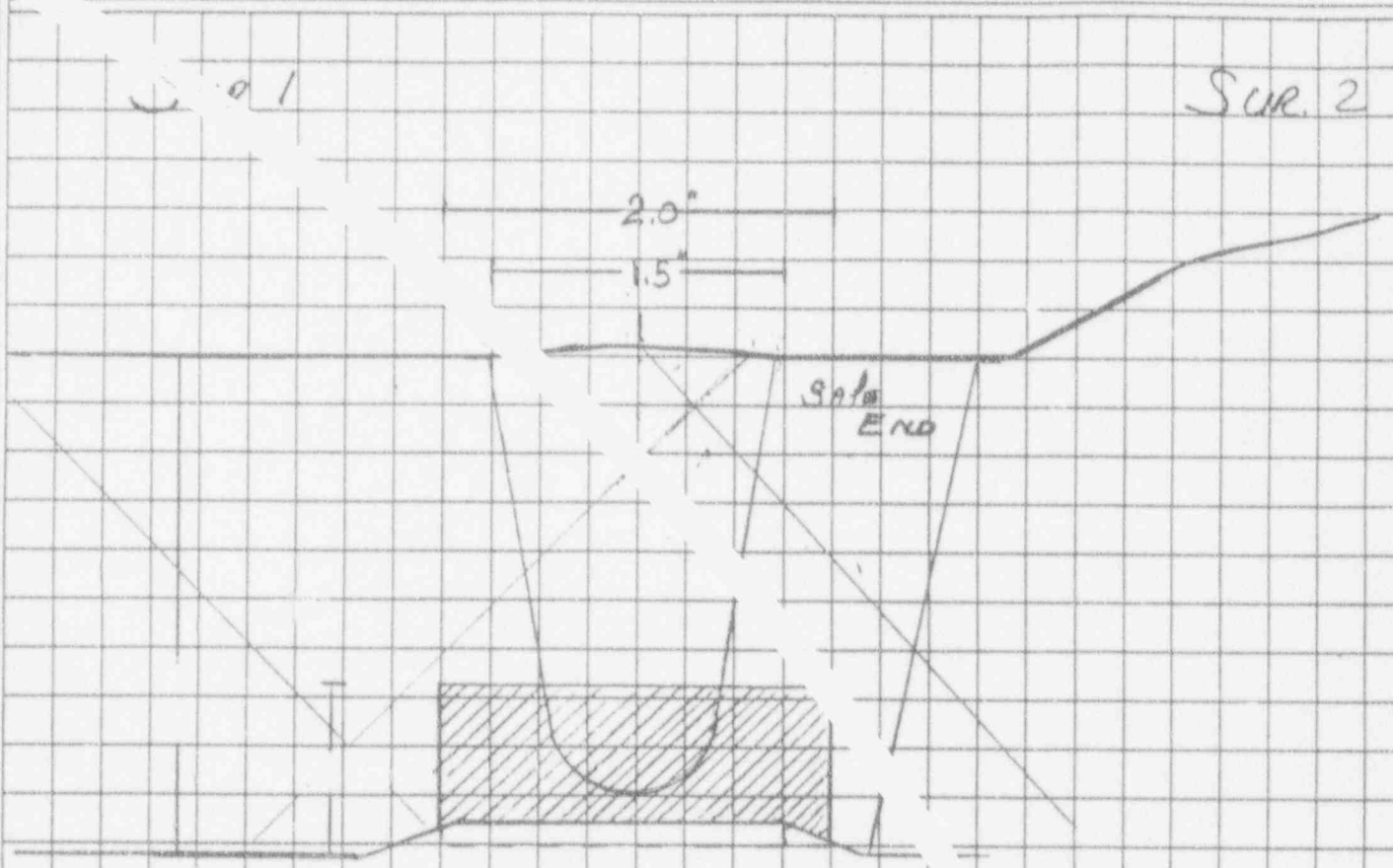
By: \_\_\_\_\_ Date: \_\_\_\_\_

*[Handwritten signature]*  
11/6/94

Station CATAWBA Unit 1 Rev. \_\_\_\_\_ File No. 156C-DUTY-1-5E Sheet \_\_\_\_\_ Of \_\_\_\_\_

Subject \_\_\_\_\_ By W. J. [unclear] Date 11-5-95

Prob No. B05.070.006 Checked By Larry [unclear] Date 11-11-95



CROSS SECTIONAL AREA = 1/4

A 45° L-WAVE WAS USED TO INSPECT WELD.  
ONE DIRECTION WAS NOT SCANNED DUE TO TAPER  
ON GENERATOR SIDE.

AXIAL DIRECTION LOSS - 50%

CIRC. DIRECTION LOSS - 0%

TOTAL LOSS - 50%

$50\% \div 2 = 25\%$

NO - 25% - 75% CAL PAGE

*[Handwritten signature]*

### Limited Exam Data Sheet

Station CATAWBA Unit 1 I.D. # INC25-02  
By Richard B Childers Date 11-5-93 Item # B05.130.014  
Checked By Larry Maulder Date 11-11-93 Page 3 Of 3

#### DETERMINING THE CUMULATIVE TOTAL OF WELD VOLUME INSPECTED (in percentage)

Total Cross Sectional Area 1.76 x (Number of Scans) 2 = 3.52 (% Factor)

#### Vessels:

Area Loss : Zone #1 \_\_\_\_\_  
Zone #2 \_\_\_\_\_  
Zone #3 \_\_\_\_\_

Total Zone Loss \_\_\_\_\_ / (% Factor) \_\_\_\_\_ x 100 = \_\_\_\_\_ % of Loss

Lump Sum Loss From Other Limitations + \_\_\_\_\_ %

Total Loss \_\_\_\_\_ %

100% - (Total Loss) \_\_\_\_\_ = \_\_\_\_\_ % of Coverage

( Additional \_\_\_\_\_ % of Partial Coverage)

Qualifies for Request for Relief  Yes  No

#### Piping:

Axial Scan 45°L (Loss) 1.76 / 3.52 (% Factor) x 100 = 50 % of Loss

Circumferential Scan Over Root Area  Yes  No 0 % of Loss

Axial Loss 50 + Circ. Loss 0 = 50 / 2 = 25 % Loss

Additional Losses (Due to hangers, restraints, etc.) + 0 % Loss

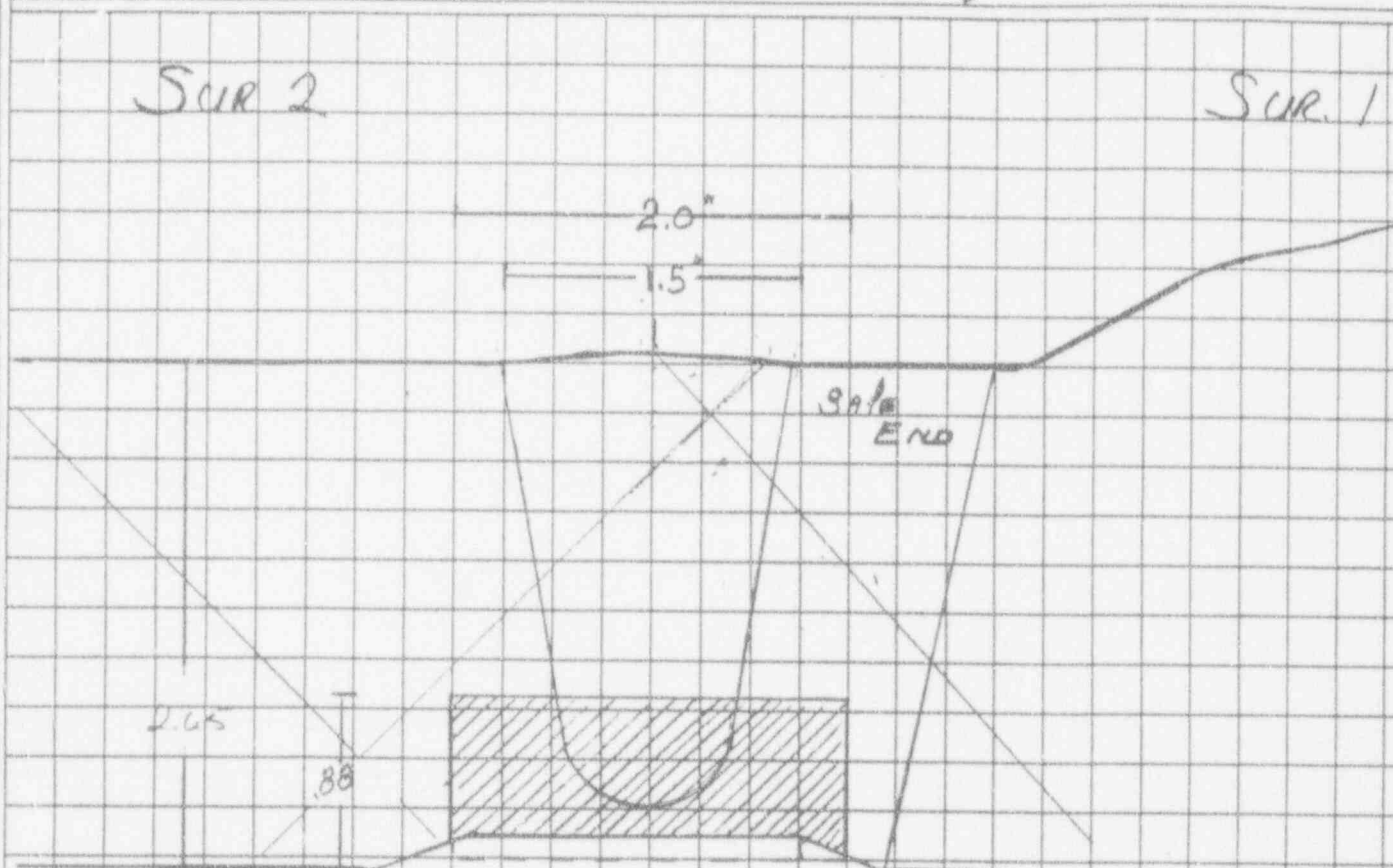
Explain: NO SCAN DUE TO NOZZLE CONFIGURATION

(100% - Total Loss) = 75 % of Actual Coverage

Disposition: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

By: \_\_\_\_\_ Date: \_\_\_\_\_

*[Handwritten signature]*  
11/16/93

Station CATAWBA Unit 1 Rev. \_\_\_\_\_ File No. INC 25-02 Sheet \_\_\_\_\_ Of \_\_\_\_\_Subject B05.130.014By Richard B. Childers Date 11-5-93Prob No. \_\_\_\_\_ Checked By Remy Maudslai Date 11-11-93

CROSS SECTIONAL AREA =  $2 \times .88 = 1.76 \times 2 \text{ SCANS} = 3.52$

A 45° L-WAVE WAS USED TO INSPECT WELD.  
ONE DIRECTION WAS NOT SCANNED DUE TO TAPER  
ON GENERATOR SIDE.

AXIAL DIRECTION LOSS - 50%

CIRC. DIRECTION LOSS - 0%

TOTAL LOSS - 50%

$$50\% \div 2^{(\text{DIRECTIONS})} = 25\%$$

$$100 - 25\% = 75\% \text{ COVERAGE}$$

SER. NO. 94-01

ATTACHMENT 2

PG 62 OF 68



## Limited Exam Data Sheet

Station CATAWBA Unit 1 I.D. # INC 25-03  
 By W. R. Leary Date 11-5-93 Item # B05-130.015  
 Checked By Larry Mauldin Date 11-11-93 Page 3 of 3

### DETERMINING THE CUMULATIVE TOTAL OF WELD VOLUME INSPECTED (in percentage)

Total Cross Sectional Area 1.76 x (Number of Scans) 2 = 3.52 (% Factor)

#### Vessels:

Area Loss : Zone #1 \_\_\_\_\_  
 Zone #2 \_\_\_\_\_  
 Zone #3 \_\_\_\_\_  
 Total Zone Loss \_\_\_\_\_ / (% Factor) \_\_\_\_\_ x 100 = \_\_\_\_\_ % of Loss  
 Lump Sum Loss From Other Limitations + \_\_\_\_\_ %  
 Total Loss \_\_\_\_\_ %  
 100% - (Total Loss) \_\_\_\_\_ = \_\_\_\_\_ % of Coverage  
 ( Additional \_\_\_\_\_ % of Partial Coverage)  
 Qualifies for Request for Relief  Yes  No

#### Piping:

Axial Scan 45°L (Loss) 1.76 / 3.52 (% Factor) x 100 = 50 % of Loss  
 Circumferential Scan Over Root Area  Yes  No 0 % of Loss  
 Axial Loss 50 + Circ. Loss 0 = 50 / 2 = 25 % Loss  
 Additional Losses (Due to hangers, restraints, etc.) + 0 % Loss  
 Explain: NO SCAN DUE to NOZZLE CONFIGURATION (25%)

(100% - Total Loss) = 25 % of Actual Coverage

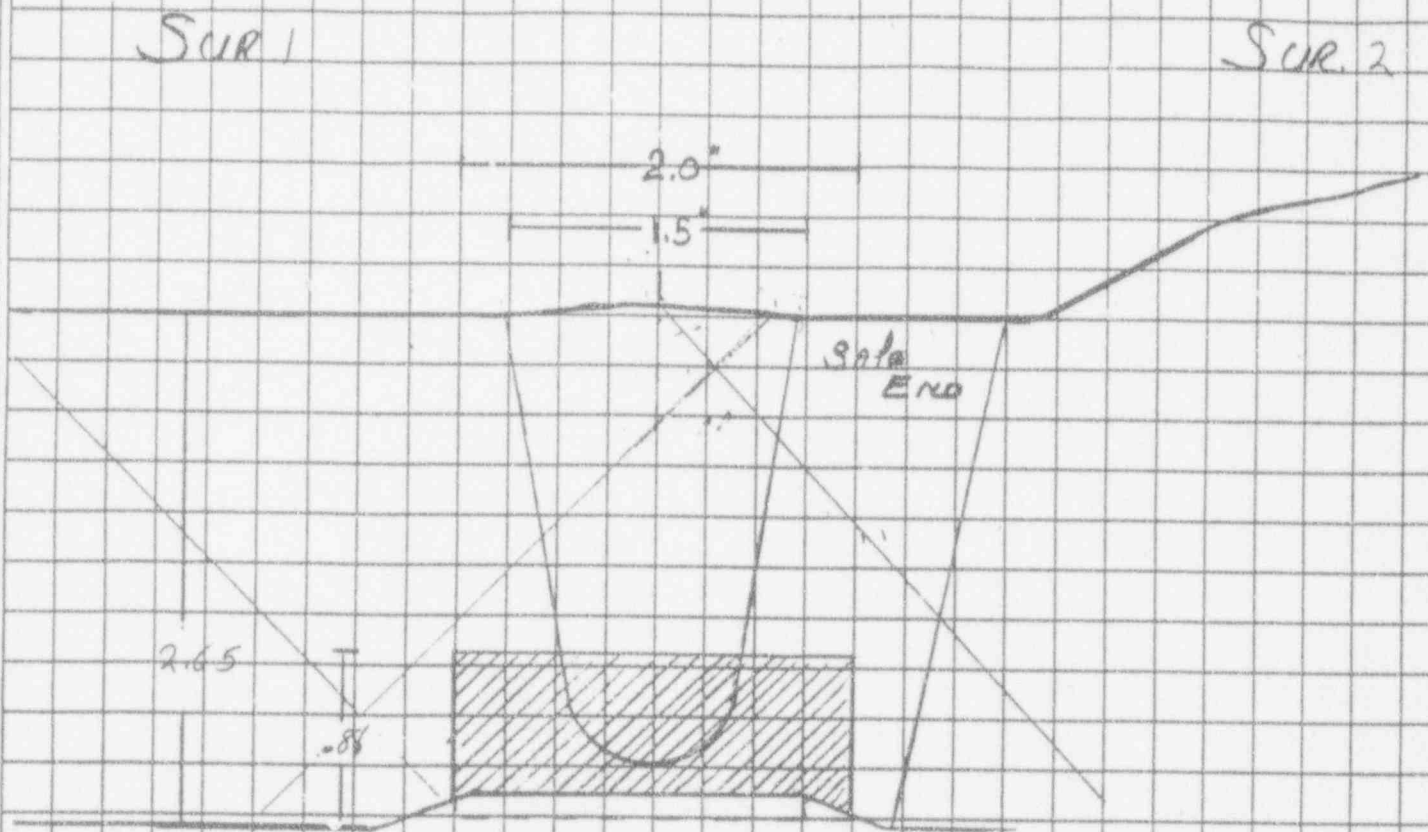
Disposition: \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

By: \_\_\_\_\_ Date: \_\_\_\_\_

*Handwritten initials*

Station CATAWBA Unit 1 Rev. \_\_\_\_\_ File No. INC 25-03 Sheet \_\_\_\_\_ Of \_\_\_\_\_  
 Subject \_\_\_\_\_

By W. J. C. Lewis Date 11-5-93  
 Prob No. B05.130.015 Checked By Larry Mauldin Date 11-11-95



CROSS SECTIONAL AREA =  $2 \times .88 = 1.76 \times 2 \text{ SCANS} = 3.52$

A 45° L-WAVE WAS USED TO INSPECT WELD.  
 ONE DIRECTION WAS NOT SCANNED DUE TO TAPER  
 ON GENERATOR SIDE.

AXIAL DIRECTION LOSS - 50%

CIRC. DIRECTION LOSS - 0%

TOTAL LOSS - 50%

$$50\% \div 2 = 25\%$$

$$100 - 25\% = 75\% \text{ COVERAGE}$$

SER. No. 9401

ATTACHMENT 2  
 PG 64 OF 68

### Limited Exam Data Sheet

Station CATAWBA Unit 1 I.D. # INC 22-WN8  
 By AJ Moss Date 11-11-93 Item # 809.031.003  
 Checked By Larry Mauder Date 11-11-93 Page 3 Of 3

#### DETERMINING THE CUMULATIVE TOTAL OF WELD VOLUME INSPECTED (in percentage)

Total Cross Sectional Area N/A x (Number of Scans) \_\_\_\_\_ = \_\_\_\_\_ (% Factor)

Vessels:

Area Loss : Zone #1 \_\_\_\_\_  
 Zone #2 \_\_\_\_\_  
 Zone #3 \_\_\_\_\_

Total Zone Loss \_\_\_\_\_ / (% Factor) \_\_\_\_\_ x 100 = \_\_\_\_\_ % of Loss

Lump Sum Loss From Other Limitations + \_\_\_\_\_ %

Total Loss \_\_\_\_\_ %

100% - (Total Loss) \_\_\_\_\_ = \_\_\_\_\_ % of Coverage

( Additional \_\_\_\_\_ % of Partial Coverage)

Qualifies for Request for Relief  Yes  No

Piping:

Axial Scan 45°L (Loss) \_\_\_\_\_ / \_\_\_\_\_ (% Factor) x 100 = \_\_\_\_\_ % of Loss

Circumferential Scan Over Root Area  Yes  No \_\_\_\_\_ % of Loss

DRAWING 1 LOSS Axial Loss 25% + DRAWING 2 LOSS Circ. Loss 75.37% = 100.37 / 2 = 50.19 % Loss

Additional Losses (Due to hangers, restraints, etc.) + 0 % Loss

Explain: \_\_\_\_\_ 50.19 Total % Loss

100% - (Total Loss) 50.19 = 49.81 % of Coverage

Qualifies for Request for Relief  Yes  No

Disposition: \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

By: \_\_\_\_\_ Date: \_\_\_\_\_

*[Signature]*  
 1/6/94

Station CATAWBA Unit 1 Rev. \_\_\_\_\_ File No. INC 22-WN8 Sheet 1 of 3  
 Subject LIMITED EXAM DATA  
12" 3/8 NOZZLE By Richard A Childers Date 11-11-93  
 Prob No. BO9.031.003 Checked By Larry Traubler Date 11-11-93

DRAWING #1

CROSS SECTIONAL AREA:  $.88" \times 2.4" = 2.112 \text{ sq.in.}$

$\times 2 \text{ SCANS}$   
 $\hline 4.224 \text{ sq.in.}$

AREA OF LOSS:

AXIAL:  $2.112 \div 4.224 \times 100 = 50\%$   
 CIRC: NO LOSS

DRAWING #2

CROSS SECTIONAL AREA:  $.88" \times 2.4" = 2.112 \text{ sq.in.}$

$\times 2 \text{ SCANS}$   
 $\hline 4.224 \text{ sq.in.}$

AREA OF LOSS:

AXIAL:  $\frac{254.25}{2} + 2.112 = 2.14325$   
 $2.14325 \div 4.224 \times 100 = 50.73982$

CIRC: 100%

	AXIAL	CIRC		
DRAWING #1	50	+ 0	$\div 2$	= 25
DRAWING #2	50.74	+ 100	$\div 2$	= 75.37
				<u>100.37</u>

$\parallel 100.37 \div 2 = 50.185 = 50.19 \text{ LOSS} \parallel$

WITH NO LIMITATIONS

$\parallel 100 - 50.19 = 49.81\% \text{ COVERAGE}$

$\therefore$  A 45° L-WAVE WAS USED TO SCAN WELD TEST - 3 DIRECTIONAL ONLY.  
 NO SCAN WAS PERFORMED FROM SUR 2 (NOZZLE WELD) DUE TO NOZZLE WELD CONFIGURATION.

OTHER LIMITATIONS: NO

49.81% COVERAGE

*[Handwritten signature]*  
 11/19/93

12" NOZZLE

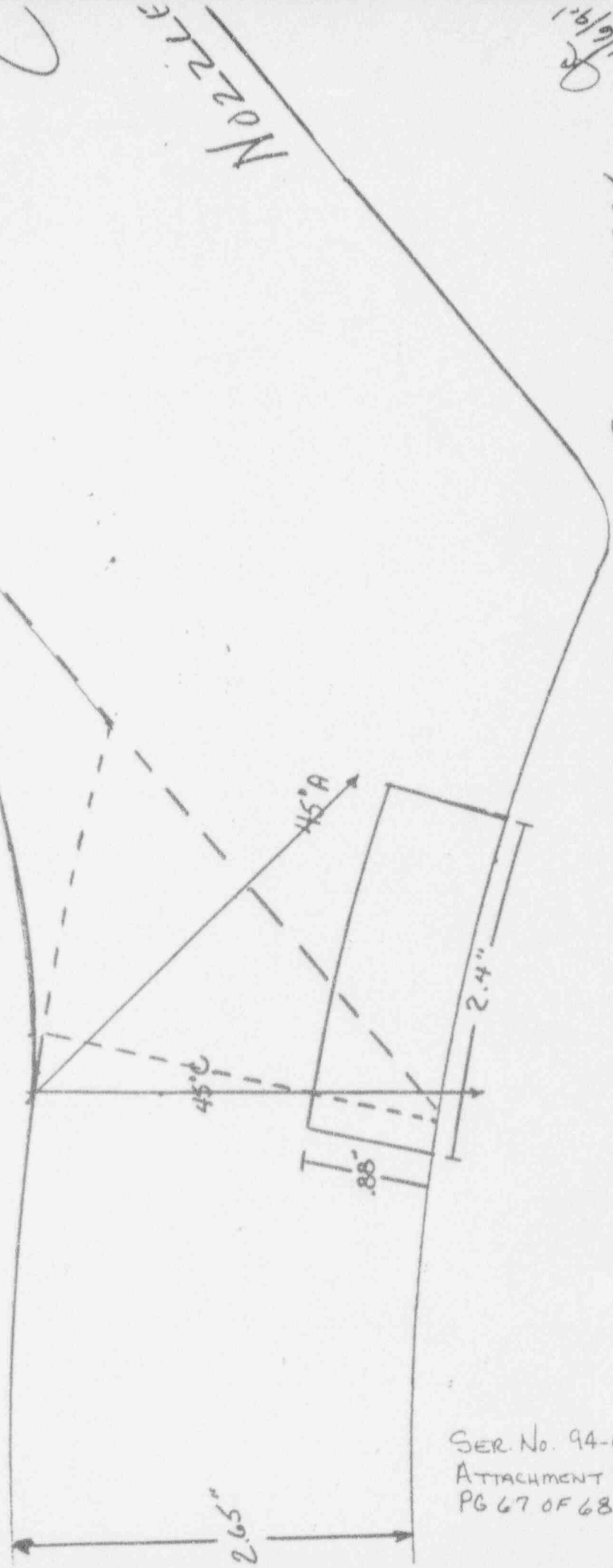
DRAWING #1

WELD ID. - 1NC22-WN8  
ITEM NO. - 809.031.003

NOZZLE

1/6/91

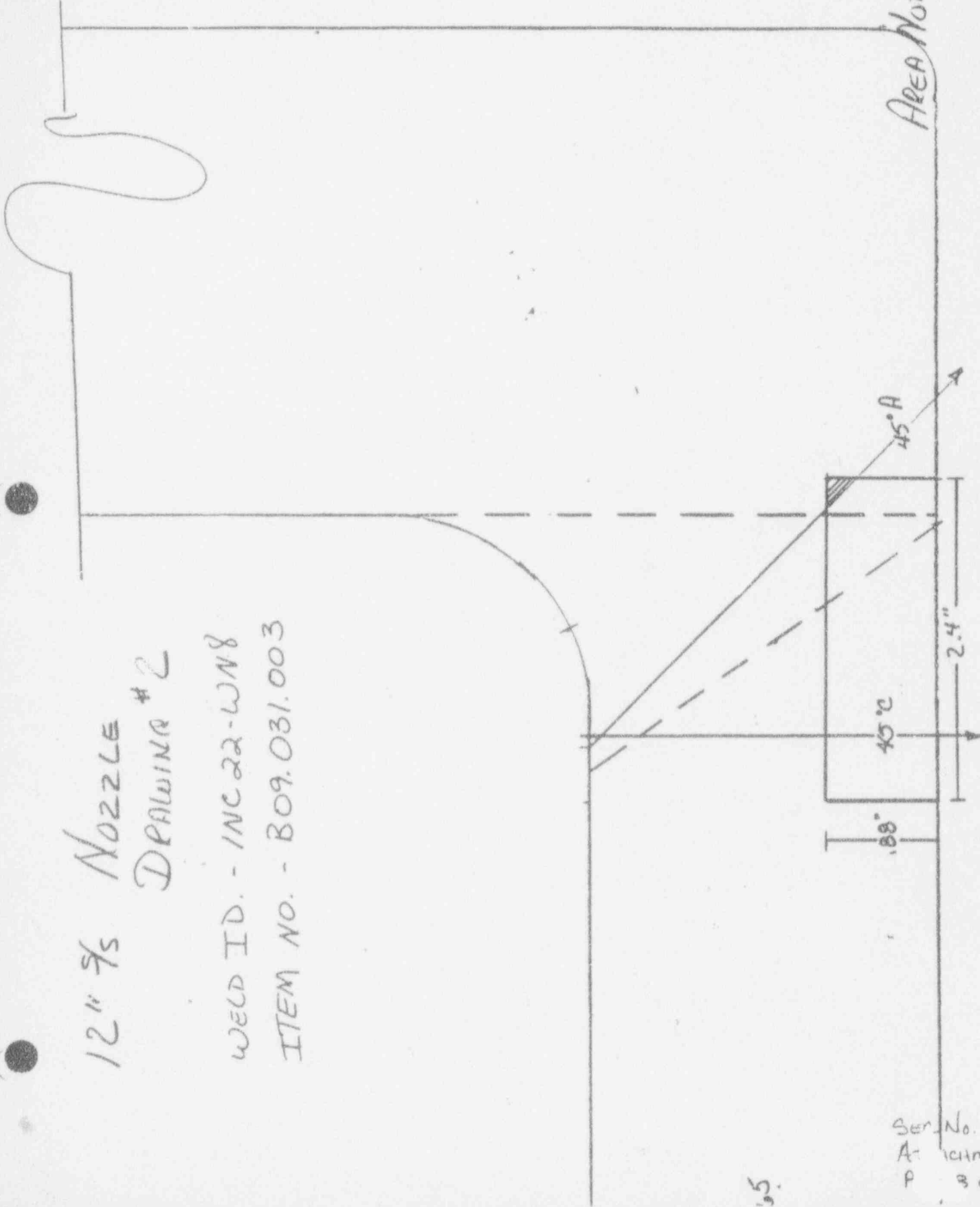
By: Richard B. Childer  
REVIEWED BY: Larry Thawler



SER. No. 94-01  
ATTACHMENT 2  
PG 67 OF 68

12"  $\frac{7}{8}$  NOZZLE  
DRAWING # 2

WELD ID. - INC 22-WN8  
ITEM NO. - B09.031.003



AREA NOT SCANNED

1/16/91

By: Richard B. Childers  
Pw11107.1 & 4. Pw111. Mn. 00.11

SER No. 94-01  
A: Attachment 2  
P 3 OF 68

5.

10.0 Class 1 and 2 Repairs and Replacements

As required by ASME Section XI 1980 Edition, a record of the Class 1 and 2 Repairs and Replacements for work performed from October 16, 1992 through December 27, 1993 is provided and is included in this section of the report. The individual work request documents are on file at Catawba Nuclear Station.

CATAWBA NUCLEAR STATION  
UNIT 1 EOC 7  
REPAIR/REPLACEMENT LOG  
ASME SECTION XI-1980 EDITION  
THROUGH WINTER 1981 ADDENDA

EXAMINATION DATES: FROM 10//16/92 TO 12/27/93  
PREPARED BY: QA TECHNICAL SUPPORT

TRANSMITTED BY: Am Gilen DATE 1-6-94



Repair/Replacement Log  
ASME Section XI 1980 EDITION  
THROUGH WINTER 1981 ADDENDA  
Unit 1 EOC 7

WR#	Class	Description
91018176-01	B	Replaced Bolting on Inlet Flange of Valve INI -161,
92055230-01	B	Replaced CA, CF Piping "B Loop"
92063670-01	B	Replaced CA, CF Piping "A Loop"
92063673-01	B	Replaced CA, CF Piping "D Loop"
92073058-01	A	Replaced Snubbers 1-R-NC-1655
92078710-01	A	Broke Pressure Boundary on Valve 1NV-40
92086979-01	B	Replaced Bonnet on Valve 1SV-025B
92099578-01	B	Replaced Inlet and Outlet Studs and Nuts Valve 1NV-205
93005175-01	B	Replace Stud and Nut on Bonnet Valve 1SV-0001
93035022-01	A	Replaced Valve 1NC-31B
93035023-01	A	Replaced Valve 1NC-33A
93035024-01	A	Replaced Valve 1NC-35B
93035029-01	B	Replaced Stem and Disc on Valve 1NV-312A
93035050-01	B	Replaced Stem and Disc Assembly Valve 1NV-314B
93038084-01	A	Replaced Spring Can 1-R-NC-1535
93038084-01	A	Replaced Spring Can 1-R-NI-2097
93041054-01	A	RX Coolant Pump 1A Seal Replacement
93041908-01	A	Broke Pressure Boundary on Valve 1NC-298
93041959-01	A	Broke Pressure Boundary on Valve 1NV-37A
93043190-01	B	Replaced Pressure Seal on Valve 1SV-26B
93044720-01	B	Cut-out Valve 1NV-A06 (Weld #'s 1NV239-17, 18, 19)
93045906-01	B	Replaced Bonnet on Valve 1NI-152B
93046870-01	B	Cut-out Valve 1NI-114 (Weld #'s 1NI222-1,-8, and 1NI221-14)
93046872-01	B	Cut-out Valve 1NI-143 (Weld #'s 1NI 223 -12,-13)
93052198-01	B	Replaced RN Pipe
93052198-12	B	Add Tube Steel 1-R-RN-1335
93053881-01	A	Replaced Load Studs 1-R-NI-1219
93053881-01	B	Replaced Pins 1-R-CF-1003
93054618-01	A	Broke Pressure Boundary NC Head Spool Pieces
93054622-01	A	Removed Primary Manway Cover S/G 1D (NC)
93054623-01	A	Removed Primary Manway Cover S/G 1C (NC)

Repair/Replacement Log  
ASME Section XI 1980 EDITION  
THROUGH WINTER 1981 ADDENDA  
Unit 1 EOC 7

93054624-01	A	Removed Primary Manway Cover S/G 1B (NC)
93054625-01	A	Removed Primary Manway Cover S/G 1A (NC)
93054653-01	A	Re-make Pressure Boundary 1NC-299 (1NC288-MJ1)
93054663-01	A	Replaced Valve 1NC-1
93054664-01	A	Replaced Valve 1NC-2
93054665-01	A	Replaced Valve 1NC-3
93054667-01	A	Replaced Bonnet Stud and Nut on Valve 1NI-82
93054668-01	A	Pressure Boundary Break on Valve 1NI-81
93054669-01	A	Removed/Replaced Reactor Vessel Head O-ring Seals
93054672-01	A	Disassembled RX Seal Thermocouple Assemblies (NC)
93054694-01	A	Breaking and Remaking Pressure Boundary Valve 1NI-181
93054699-01	B	Replaced Bonnet Nut on Valve 1NI-160
93056104-01	B	Replaced Manway Bolting S/G 1D
93056108-01	B	Replaced Manway Bolting S/G A
93063962-01	A	Breaking and Remake Pressure Boundary Valve 1NI-125
93064017-01	A	Replace Disc Assembly and Valve Spring Valve 1NI-165
93064018-01	A	Replaced Bonnet Cover on Valve 1NI-167
93064019-01	A	Replaced Disc and Spring Cover on Valve 1NI-169
93064020-01	A	Replaced Spring on Valve 1NI-171
93064033-01	B	Replaced Bonnet on Valve 1SM-005
93070102-01	A	RX Coolant Pump 1D Seal Replacement
93075392-01	B	Replaced Snubber 1-R-ND-0226
93078771-01	A	Replaced Disc, Spring, and Gasket Valve 1NI-128
93079507-01	B	Replaced Rear Bracket and Snubber on 1-R-CF-1502
93080435-01	B	Replaced Disc on Valve 1SV-018
93080856-01	B	Replaced Disc on Valve 1SV-017
93081370-01	B	Replaced Valve 1CA-58A
93084800-01	B	Replaced Valve 1NV-222
93085877-01	A	Breaking Pressure Boundary Valve 1NC32B
93086238-01	B	Machine Bonnet on Valve 1SV-27B

Repair/Replacement Log  
ASME Section XI 1980 EDITION  
THROUGH WINTER 1981 ADDENDA  
Unit 1 EOC 7

93088826-01	B	Replaced ND Pump/Motor with Spare ; Replaced Pump Cover Casing
93089079-01	B	Cut-out SA Piping
93089211-01	B C	Replace CS Piping With SS (SA & SM System)
93090489-01	B	Replaced Pipe Clamps for Supports 1-R-SA-1531 and 1-R-SA-1502
920636672-01	B	Replaced CA & CF Piping ("C" Loop )
9307539201	B	Replaced Snubber 1-R-ND-0402