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FORM NIS-1 OWNERS' DATA REPORT FOR INSERVICE INSPECTION S

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:** 2 4. **Owner Certificate of Authorization (if required)** N/A
5. **Commercial Service Date:** 8/19/86 6. **National Board Number for Unit** 173
7. **Components Inspected:**

Component or Appurentance	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.

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FORM NIS-1 (back)

8. Examination Dates 06/30/94 to 11/30/95 Inspection Interval from 08/19/86 to 08/19/96

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 2/26 19 96 Signed Duke Power Co. By [signature]
Owner

Certificate of Authorization 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 NC and employed by *The HSBI&I Co. of _____ have inspected the components described in this Owners Data Report during the period 6-30-94 to 11-30-95 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 2-27 19 96

Robert McGill Commissions NC 978
Inspector's Signature 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 2 CATAWBA 1995 REFUELING

OUTAGE 7

Location: 4800 Concord Road, York, South Carolina 29745

NATIONAL BOARD NO. 173

Commercial Service Date: August 19, 1986

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

Revision 0

Prepared By: J. E. Cherry **Date** 2/26/96

Reviewed By: R. J. Hogge Jr. **Date** 2/26/96

Approved By: J. O. Barbour **Date** 2/26/96

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TABLE OF CONTENTS

1.0 General Information

This report describes the Inservice Inspection of Duke Power Company's Catawba Nuclear Station Unit 2 during the 1995 Refueling Outage (also referred to as Outage 7), which is the second and last 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 June 30,1994.

1.1 Identification Numbers

Item	*Manufacturer or Installer*	*Manufacturer or Installer Serial No.*	*State or Province No.*	*National Board No.*
Unit 2	Duke Power Co.	N/A	N/A	173
Reactor Vessel	Combustion Engineering	8871	N/A	21667
Pressurizer	Westinghouse	1931	N/A	W26949
Steam Generator 2A	Westinghouse	1923	N/A	4
Steam Generator 2B	Westinghouse	1922	N/A	3
Steam Generator 2C	Westinghouse	1921	N/A	2
Steam Generator 2D	Westinghouse	1924	N/A	5
Reactor Coolant System	Duke Power Co.	C-2NC	N/A	171
Residual Heat Removal System	Duke Power Co.	C-2ND	N/A	154
Safety Injection System	Duke Power Co.	C-2NI	N/A	172
Chemical and Volume Control System	Duke Power Co.	C-2NV	N/A	170
Auxiliary Feedwater System	Duke Power Co.	C-2CA	N/A	159
Feedwater System	Duke Power Co.	C-2CF	N/A	158
Refueling Water System	Duke Power Co.	C-2FW	N/A	141
Main Steam Supply to Auxiliary Equipment	Duke Power Co.	C-2SA	N/A	134
Main Steam System	Duke Power Co.	C-2SM	N/A	162
Main Steam Vent to Atmosphere System	Duke Power Co.	C-2SV	N/A	156

Item	*Manufacturer or Installer*	*Manufacturer or Installer Serial No.*	*State or Province No.*	*National Board No.*
Containment Spray System	Duke Power Co.	C-2NS	N/A	118
Safety Injection Accumulator Tank 2A	Southwest Fabrication & Welding Co.	0023	N/A	313
Safety Injection Accumulator Tank 2B	Southwest Fabrication & Welding Co.	0024	N/A	314
Safety Injection Accumulator Tank 2C	Southwest Fabrication & Welding Co.	0030	N/A	320
Safety Injection Accumulator Tank 2D	Southwest Fabrication & Welding Co.	0031	N/A	321

The Reactor Vessel, Steam Generators, Pressurizer, Reactor Coolant Pumps, Reactor Coolant System Piping, and Safety Injection Accumulator Tanks 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 S. Church Street, Charlotte, N. C. 28201-1006.

1.2 Authorized Nuclear Inservice Inspector(s)

Name:	R. N. McGill Robert 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 Unit 2.

2.1 Class 1 Inspections

Examination Category B-A Pressure Retaining Welds in Reactor Vessel

Item Number	*Description*	*Total Scheduled During Outage*	*Total Examined During Outage*
B01.010	***Shell Welds***		
B01.011	Circumferential	3	3
B01.012	Longitudinal	9	9
B01.020	***Head Welds***		
B01.021	Circumferential	1	1
B01.022	Meridional Welds	4	4
B01.030	Shell to Flange Weld	1	1
B01.040	Head to Flange Weld	0	0
B01.050	***Repair Welds***		
B01.051	Beltline Region	N/A	N/A
TOTALS		18	18

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

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

Item Number	*Description*	*Total Scheduled During Outage*	*Total Examined During Outage*
	Reactor Vessel		
B03.090	Nozzle to Vessel Welds	6	6
B03.100	Nozzle Inside Radius Section	4	4
	Pressurizer		
B03.110	Nozzle to Vessel Welds	0	0
B03.120	Nozzle Inside Radius Section	0	0
	Steam Generators (Primary Side)		
B03.130	Nozzle to Vessel Welds	N/A	N/A
B03.140	Nozzle Inside Radius Section	0	0
	Heat Exchangers (Primary Side)		
B03.150	Nozzle to Vessel Welds	N/A	N/A
B03.160	Nozzle Inside Radius Section	N/A	N/A
TOTALS		10	10

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

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

Examination Category B-F Pressure Retaining Dissimilar Metal Welds

Item Number	*Description*	*Total Scheduled During Outage*	*Total Examined During Outage*
	Reactor Vessel		
B05.010	Nominal Pipe Size ≥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
	Pressurizer		
B05.040	Nominal Pipe Size ≥4" Nozzle to Safe End Butt Welds	0	0
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
	Steam Generators		
B05.070	Nominal Pipe Size ≥4" Nozzle to Safe End Butt Welds	0	0
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
	Heat Exchangers		
B05.100	Nominal Pipe Size ≥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)

Item Number	*Description*	*Total Scheduled During Outage*	*Total Examined During Outage*
	Piping		
B05.130	Nominal Pipe Size ≥4" Dissimilar Metal Butt Welds	4	4
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		8	8

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

Item Number	*Description*	*Total Scheduled During Outage*	*Total Examined During Outage*
	Reactor Vessel		
B06.010	Closure Head Nuts	0	0
B06.020	Closure Studs , (in place)	N/A	N/A
B06.030	Closure Studs, (when removed)	0	0
B06.040	Threads in Flange	0	0
B06.050	Closure Washers, Bushings	0	0
	Pressurizer		
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)

Item Number	*Description*	*Total Scheduled During Outage*	*Total Examined During Outage*
	Steam Generators		
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
	Heat Exchangers		
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
	Piping		
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
	Pumps		
B06.180	Bolts and Studs	0	0
B06.190	Flange Surface, (when connection disassembled)	4	0*
B06.200	Nuts , Bushings , and Washers	N/A	N/A
	Valves		
B06.210	Bolts and Studs	N/A	N/A
B06.220	Flange Surface, (when connection disassembled)	N/A	N/A

Examination Category B-G-1 (Continued)

Item Number	*Description*	*Total Scheduled During Outage*	*Total Examined During Outage*
B06.230	Nuts , Bushings , and Washers	N/A	N/A
TOTALS		4	0*

* Not Disassembled

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

Item Number	*Description*	*Total Scheduled During Outage*	*Total Examined During Outage*
	Reactor Vessel		
B07.010	Bolts, Studs, and Nuts	N/A	N/A
	Pressurizer		
B07.020	Bolts, Studs, and Nuts	0	0
	Steam Generators		
B07.030	Bolts, Studs, and Nuts	0	0
	Heat Exchangers		
B07.040	Bolts, Studs, and Nuts	N/A	N/A
	Piping		
B07.050	Bolts, Studs, and Nuts	0	0
	Pumps		
B07.060	Bolts, Studs, and Nuts	0	0
	Valves		
B07.070	Bolts, Studs, and Nuts	7	7
	CRD Housings		
B07.080	Bolts, Studs, and Nuts	1	0*
TOTALS		8	7*

* Not Disassembled

Examination Category B-H Integral Attachments for Vessels

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

Examination Category B-J Pressure Retaining Welds in Piping

Item Number	*Description*	*Total Scheduled During Outage*	*Total Examined During Outage*
B09.010	***Nominal Pipe Size ≥4"***		
B09.011	Circumferential Welds	5	5
B09.012	Longitudinal Welds *	0	0
B09.020	***Nominal Pipe Size < 4"***		
B09.021	Circumferential Welds	4	4
B09.022	Longitudinal Welds	N/A	N/A
B09.030	***Branch Pipe Connection Welds***		
B09.031	Nominal Pipe Size ≥4	0	0
B09.032	Nominal Pipe Size <4"	0	0
B09.040	Socket Welds	12	12
TOTALS		21	21

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

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

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

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

* Reference Request for Relief Serial Number 95-02 located in Section 9.0 of this report.

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

Item Number	*Description*	*Total Scheduled During Outage*	*Total Examined During Outage*
	Reactor Vessel		
B13.010	Vessel Interior	1	1
	Reactor Vessel (BWR)		
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
	Reactor Vessel (PWR)		
B13.030	Interior Attachments Within Beltline Region	N/A	N/A
B13.031	Interior Attachments Beyond Beltline Region	1	1
B13.032	Core Support Structure	1	1
TOTALS		3	3

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

Item Number	*Description*	*Total Scheduled During Outage*	*Total Examined During Outage*
	Reactor Vessel		
B14.010	Welds in CRD Housing	0	0
TOTALS		0	0

Examination Category B-P All Pressure Retaining Components

Item Number	*Description*	*Total Scheduled During Outage*	*Total Examined During Outage*
	Reactor Vessel		
B15.010	Pressure Retaining Boundary	0	0
B15.011	Pressure Retaining Boundary	1	1
	Pressurizer		
B15.020	Pressure Retaining Boundary	0	0
B15.021	Pressure Retaining Boundary	1	1
	Steam Generators		
B15.030	Pressure Retaining Boundary	0	0
B15.031	Pressure Retaining Boundary	4	4
	Heat Exchangers		
B15.040	Pressure Retaining Boundary	N/A	N/A
B15.041	Pressure Retaining Boundary	N/A	N/A
	Piping		
B15.050	Pressure Retaining Boundary	9	9
B15.051	Pressure Retaining Boundary	9	9
	Pumps		
B15.060	Pressure Retaining Boundary	0	0
B15.061	Pressure Retaining Boundary	4	4
	Valves		
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		28	28

Examination Category B-Q Steam Generator Tubing

Item Number	*Description*	*Total Scheduled During Outage*	*Total Examined During Outage*
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 Division / NDE of the Electric System Support Department as required by the Station Technical Specifications and is not included in this report.

F1.1 Component Supports

Item Number	*Description*	*Total Scheduled During Outage*	*Total Examined During Outage*
F1.01	Reference Section 4.0 of this report.	40	40
TOTALS		40	40

2.2 Class 2 Inspections

Examination Category C-A Pressure Retaining Welds in Pressure Vessels

Item Number	*Description*	*Total Scheduled During Outage*	*Total Examined During Outage*
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 inVessels

Item Number	*Description*	*Total Scheduled During Outage*	*Total Examined During Outage*
C02.010	***Nozzles in Vessels ≤ 1/2" Nominal Thickness***		
C02.011	Nozzle to Shell (or Head) Weld	0	0
C02.020	***Nozzles Wit.ıots Reinforcing [illegible] Vessels >1/2" Nominal Thickness***		
C02.021	Nozzle to Shell (or Head) Weld	1	1
C02.022	Nozzle Inside Radius Section	1	1
C02.030	***Nozzles With Reinforcing Plate in Vessels > 1/2" Nominal Thickness***		
C02.031	Reinforcing Plate Welds to Nozzle and Vessel	N/A	N/A
C2.032	Nozzle to Shell (or Head) Welds Inside of Vessel Accessible Inside of Vessel Inaccessible	N/A	N/A
TOTALS		2	2

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

Item Number	*Description*	*Total Scheduled During Outage*	*Total Examined During Outage*
	Pressure Vessels		
C03.010	Integrally Welded Attachments	3	3
	Piping		
C03.020	Integrally Welded Attachments	6	6
	Pumps		
C03.030	Integrally Welded Attachments	0	0
	Valves		
C03.040	Integrally Welded Attachments	N/A	N/A
TOTALS		9	9

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

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

Examination Category C-F Pressure Retaining Welds in Piping

Item Number	*Description*	*Total Scheduled During Outage*	*Total Examined During Outage*
C05.010	***Piping Welds ≤1/2" Nominal Wall Thickness***		
C05.011	Circumferential Weld	106	106
C05.012	Longitudinal Weld *	50	50
C05.020	***Piping Welds >1/2" Nominal Wall Thickness***		
C05.021	Circumferential Weld	16	16
C05.022	Longitudinal Weld *	0	0
C05.030	***Pipe Branch Connections > 4" Nominal Branch Pipe Size***		
C05.031	Circumferential Weld	N/A	N/A
C05.032	Longitudinal Weld	N/A	N/A
TOTALS		122	122

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

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

Item Number	*Description*	*Total Scheduled During Outage*	*Total Examined During Outage*
	Pumps		
C06.010	Pump Casing Welds	N/A	N/A
	Valves		
C06.020	Valve Body Welds	12	12
TOTALS		12	12

Examination Category C-H All Pressure Retaining Components

Item Number	*Description*	*Total Scheduled During Outage*	*Total Examined During Outage*
	Pressure Vessels		
C07.010	Pressure Retaining Components	0	0
C07.020	Pressure Retaining Components	8	8
	Piping		
C07.030	Pressure Retaining Components	0	0
C07.040	Pressure Retaining Components	43	43
	Pumps		
C07.050	Pressure Retaining Components	0	0
C07.060	Pressure Retaining Components	7	7
	Valves		
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		58	58

F1.2 Component Supports

Item Number	*Description*	*Total Scheduled During Outage*	*Total Examined During Outage*
F1.02	Reference Section 4.0 of this report.	73	73
TOTALS		73	73

2.3 Augmented Inspections

Item Number	*Description*	*Total Scheduled During Outage*	*Total Examined During Outage*
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	10	10
G04.001	Class 2 Piping Welds	2	2
G05.001	Thermal Stress Piping (NRC Bulletin 88-08)	0	0
G06.001	Safety Injection Accumulator Nozzles (NRC Information Notice 91-05)	0	0
G07.001	NI System Cold Legs (Ref. PIP #2-C94-0874)	20	20
TOTALS		35	35

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 in 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*	*Deferral Allowed*
B-A	Pressure Retaining Welds in Reactor Vessel	24 Welds	24 Welds	100%	Yes
B-B	Pressure Retaining Welds in Vessels Other than Reactor Vessel	8 Welds	8 Welds	100%	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	165 Welds	165 Welds	100%	No
B-F	Pressure Retaining Dissimilar Metal Welds	46 Welds	46 Welds	100%	No
B-G-1	Pressure Retaining Bolting Greater than 2 Inch in Diameter	366 Items	366 Items	100%	Yes
B-G-2	Pressure Retaining Bolting 2 Inches and Less in Diameter	68 Connections	68 Connections	100%	No
B-H	Integral Attachment for Vessels	12 Attachments	12 Attachments	100%	No
B-J	Pressure Retaining Welds in Piping	207 Welds	207 Welds	100%	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	1 Weld	1 Weld	100%	Yes
B-M-2	Valve Body > 4 in. Nominal Pipe Size	4 Valves*	4 Valves	100%	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	1 Item	1 Item	100%	Yes
B-N-3	Removable Core Support Structures	1 Item	1 Item	100%	Yes
B-0	Pressure Retaining Welds in Control Rod Housings	3 Housings	3 Housings	100%	Yes
B-P	All Pressure Retaining Components				
	System Leakage Test	120 Components	120 Components	100%	No
	System Hydrostatic Test	20 Components	20 Components	100%	Yes
B-Q	Steam Generator Tubing	As stated in Station Technical Specifications	100% Station Technical Specifications Met		No
F1.01	Class 1 Component Supports	216 Supports	216 Supports	100%	No

* Reference Request for Relief Serial Number 95-02 located in Section 9.0 of this report.

Class 2 Inspections

Examination Category	*Description*	*Inspections Required*	*Inspections Completed*	*Percentage Completed*	*Deferral Allowed*
C-A	Pressure Retaining Welds in Pressure Vessels	9 Welds	9 Welds	100%	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	51 Attachments	51 Attachments	100%	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	349 Welds	349 Welds	100%	No
C-G	Pressure Retaining Welds in Pumps and Valves	27 Welds	27 Welds	100%	Yes
C-H	All Pressure Retaining Components				
	System or Component Functional Test	70 Components	70 Components	100%	No
	System Hydrostatic Test	95 Components	81* Components	85.26%	Yes
F1.02	Class 2 Component Supports	438 Supports	438 Supports	100%	No

*Remaining components will be tested prior to the end of the First Ten Year Inspection Interval and will be submitted in a separate report.

Augmented Inspections

Description	*Percentage Complete*
Reactor Coolant Pump Flywheels	100% of Technical Specifications met
Steam Generator Tubes on Preheater Section	100% of requirements
Main Steam Pipe Rupture Protection	100% of requirements
Class 2 Piping Welds	100% of requirements
Thermal Stress Piping (NRC Bulletin 88-08)	100% of requirements
Safety Injection Accumulator Nozzles (NRC Information Notice 91-05)	100% of requirements
NI System Cold Leg (Ref. PIP #2-C94-0874)	100% of requirements

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

4.0 Final Inservice Inspection Plan For Outage 7

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

4.1 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	=	Orientation 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

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	2RPV-101-141	CNM 2201.01-57 E 8871-141-001		UT	ISI-106	CS	05.300	50375	CIRCUMFERENTIAL WELD 151-101 TO 142-101 LOW.HEAD TO SHELL CAL.BLK.#50304 NEAR SURF.EXAM CAL.BLK.#50377 FULL NODE EXAM
B01.011.002	2RPV-101-171	CNM 2201.01-67 E 8871-171-001		UT	ISI-106	CS	08.600	50377	CIRCUMFERENTIAL WELD 124-101 TO 142-101 RPV SHELL TO SHELL CAL.BLK.#50304 NEAR SURF.EXAM
B01.011.003	2RPV-103-121	CNM 2201.01-67 E 8871-121-001		UT	ISI-106	CS	08.600	50377	CIRCUMFERENTIAL WELD 124-101 TO 122-101 SHELL TO NOZZ. BELT CAL.BLK.#50304 NEAR SURF.EXAM
B01.012.000	REACTOR VESSEL	LONGITUDINAL******** SHELL WELDS*********		***	*******	*****	__.__ __.__	*****	********** **********
B01.012.001	2RPV-101-122A	CNM 2201.01-67 E 8871-122-001		UT	ISI-106	CS	10.700	50378	UPPER SHELL LONG. SEAM AT 42 DEG. PC. 122-102 CAL.BLK.#50304 NEAR SURF.EXAM

ITEM NUMBER	ID. NUMBER	DRAWING NUMBERS	LOCS.	INSP REQ.	PROC. NUMBERS	MATERIAL TYPE/GRADE	DIAM./ THICK	CALIB BLOCK	COMMENTS
B01.012.002	2RPV-101-122B	CNM 2201.01-67 E 8871-122-001		UT	ISI-106	CS	10.700	50378	UPPER SHELL LONG. SEAM AT 162 DEG. PC. 122-102 CAL.BLK.#50304 NEAR SURF.EXAM
B01.012.003	2RPV-101-122C	CNM 2201.01-67 E 8871-122-001		UT	ISI-106	CS	10.700	50378	UPPER SHELL LONG. SEAM AT 282 DEG. PC. 122-102 CAL.BLK.#50304 NEAR SURF.EXAM
B01.012.004	2RPV-101-124A	CNM 2201.01-67 E 8871-124-001		UT	ISI-106	CS	08.600	50377	INTERMEDIATE SHELL LONG. SEAM AT 0 DEG. PC. 124-102 CAL.BLK.#50304 NEAR SURF.EXAM
B01.012.005	2RPV-101-124B	CNM 2201.01-67 E 8871-124-001		UT	ISI-106	CS	08.600	50377	INTERMEDIATE SHELL LONG. SEAM AT 120 DEG. PC. 124-102 CAL.BLK.#50304 NEAR SURF.EXAM
B01.012.006	2RPV-101-124C	CNM 2201.01-67 E 8871-124-001		UT	ISI-106	CS	08.600	50377	INTERMEDIATE SHELL LONG. SEAM AT 240 DEG. PC. 124-102 CAL.BLK.#50304 NEAR SURF.EXAM
B01.012.007	2RPV-101-142A	CNM 2201.01-67 E 8871-142-001		UT	ISI-106	CS	08.600	50377	LOWER SHELL LONG. SEAM AT 60 DEG. PC. 142-102 CAL.BLK.#50304 NEAR SURF.EXAM REF.REQUEST FOR RELIEF #96-02
B01.012.008	2RPV-101-142B	CNM 2201.01-67 E 8871-142-001		UT	ISI-106	CS	08.600	50377	LOWER SHELL LONG. SEAM AT 180 DEG. PC. 142-102 CAL.BLK.#50304 NEAR SURF.EXAM REF.REQUEST FOR RELIEF #96-02
B01.012.009	2RPV-101-142C	CNM 2201.01-67 E 8871-142-001		UT	ISI-106	CS	08.600	50377	LOWER SHELL LONG. SEAM AT 300 DEG. PC. 142-102 CAL.BLK.#50304 NEAR SURF.EXAM REF.REQUEST FOR RELIEF #96-02

ITEM NUMBER	ID. NUMBER	DRAWING NUMBERS	LOCS.	INSP REQ.	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	2RPV-101-151	CNM 2201.01-67 E 8871-151-001		UT	ISI-106	CS	05.300	50375	CIRCUMFERENTIAL WELD 152-101 TO 154-101 RPV LOWER HEAD CAL.BLK.#50304 NEAR SURF.EXAM CAL.BLK.#50377 FULL NODE EXAM
B01.022.000	REACTOR VESSEL	HEAD WELDS********** MERIDIONAL**********		***	*******	*****	__.__ __.__	*****	********** **********
B01.022.005	2RPV-101-154A	E 8871-154-001 ----------		UT	ISI-106	CS	05.300	50375	MERIDIONAL WELD PC. 154-102 0 DEG. RPV LOWER HEAD CAL.BLK.#50304 NEAR SURF.EXAM CAL.BLK.#50377 FULL NODE EXAM
B01.022.006	2RPV-101-154B	E 8871-154-001 ----------		UT	ISI-106	CS	05.300	50375	MERIDIONAL WELD PC. 154-102 90 DEG. RPV LOWER HEAD CAL.BLK.#50304 NEAR SURF.EXAM CAL.BLK.#50377 FULL NODE EXAM
B01.022.007	2RPV-101-154C	E 8871-154-001 ----------		UT	ISI-106	CS	05.300	50375	MERIDIONAL WELD PC. 154-102 180 DEG. RPV LOWER HEAD CAL.BLK.#50304 NEAR SURF.EXAM CAL.BLK.#50377 FULL NODE EXAM
B01.022.008	2RPV-101-154D	E 8871-154-001 ----------		UT	ISI-106	CS	05.300	50375	MERIDIONAL WELD PC. 154-102 270 DEG. RPV LOWER HEAD CAL.BLK.#50304 NEAR SURF.EXAM CAL.BLK.#50377 FULL NODE EXAM

ITEM NUMBER	ID. NUMBER	DRAWING NUMBERS	LOCS.	INSP REQ.	PROC. NUMBERS	MATERIAL TYPE/GRADE	DIAM./ THICK	CALIB BLOCK	COMMENTS
B01.030.000	REACTOR VESSEL	SHELL TO FLANGE WELD **********	____ ____ ____	***	******* _____	***** _____	__.__ __.__	*****	********** ********** _____ _____
B01.030.001	2RPV-101-121	CNM 2201.01-67 E 8871-121-001	____ ____ ____	UT	ISI-106 _____	CS _____	. 10.700	50378	CIRCUM.WELD 122-101 TO 126-201 NOZ.BELT TO FLG.UT FROM VES.ID CAL.BLK.#50304 NEAR SURF.EXAM _____
B01.040.000	REACTOR VESSEL	HEAD TO FLANGE WELD* **********	____ ____ ____	***	******* _____	***** _____	__.__ __.__	*****	********** ********** _____ _____

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*******		***	*******	*****	__.__	*****	**********
B02.040.004	2SGD-01-02	CNM 2201.01-102/1 CNM 2201.01-114/1		UT	NDE-620 NDE-640	CS	05.160	50301	STEAM GENERATOR 2D CHANNEL HEAD TO TUBE SHEET

ITEM NUMBER	ID. NUMBER	DRAWING NUMBERS	LOCS.	INSP REQ.	PROC. NUMBERS	MATERIAL TYPE/GRADE	DIAM./ THICK	CALIB BLOCK	COMMENTS
B03.090.000	REACTOR VESSEL	NOZZLE TO VESSEL**** WELDS**********		***	*******	*****	__.__ __.__	*****	********** **********
B03.090.001	2RPV-105-121A	CN-1041-14 E 8871-128-001		UT	ISI-106	CS	55.50 10.750	50378	IN.NOZ. A TO SHELL 67 DEG. PC. 128-201 TO 122-101 VESSEL ID REFERENCE CNM 2201.01-67 CAL.BLK.#50304 NEAR SURF.EXAM
B03.090.001A	2RPV-105-121A	CN-1041-14 E 8871-128-001		UT	ISI-106	CS	55.50 10.750	50304	IN.NOZ. A TO SHELL 67 DEG. PC. 128-201 TO 122-101 NOZZLE ID REFERENCE CNM 2201.01-67
B03.090.002	2RPV-105-121B	CN-1041-14 E 8871-128-001		UT	ISI-106	CS	55.50 10.750	50378	IN.NOZ. B TO SHELL 113 DEG.PC. 128-202 TO 122-101 VESSEL ID REFERENCE CNM 2201.01-67 CAL.BLK.#50304 NEAR SURF.EXAM
B03.090.002A	2RPV-105-121B	CN-1041-14 E 8871-128-001		UT	ISI-106	CS	55.50 10.750	50304	IN.NOZ. B TO SHELL 113 DEG.PC. 128-202 TO 122-101 NOZZLE ID REFERENCE CNM 2201.01-67
B03.090.003	2RPV-105-121C	CN-1041-14 E 8871-128-001		UT	ISI-106	CS	55.50 10.750	50378	IN.NOZ. C TO SHELL 247 DEG.PC. 128-201 TO 122-101 VESSEL ID REFERENCE CNM 2201.01-67 CAL.BLK.#50304 NEAR SURF.EXAM
B03.090.003A	2RPV-105-121C	CN-1041-14 E 8871-128-001		UT	ISI-106	CS	55.50 10.750	50304	IN.NOZ. C TO SHELL 247 DEG.PC. 128-201 TO 122-101 NOZZLE ID REFERENCE CNM 2201.01-67
B03.090.004	2RPV-105-121D	CN-1041-14 E 8871-128-001		UT	ISI-106	CS	55.50 10.750	50378	IN.NOZ. D TO SHELL 293 DEG.PC. 128-201 TO 122-101 VESSEL ID REFERENCE CNM 2201.01-67 CAL.BLK.#50304 NEAR SURF.EXAM

ITEM NUMBER	ID. NUMBER	DRAWING NUMBERS	LOCS.	INSP REQ.	PROC. NUMBERS	MATERIAL TYPE/GRADE	DIAM./ THICK	CALIB BLOCK	COMMENTS
B03.090.004A	2RPV-105-121D	CN-1041-14 E 8871-128-001		UT	ISI-106	CS	55.50 10.750	50304	IN.NOZ. D TO SHELL 293 DEG.PC. 128-201 TO 122-101 NOZZLE ID REFERENCE CNM 2201.01-67
B03.090.005	2RPV-107-121A	CN-1041-14 E 8871-128-003		UT	ISI-106	CS	47.56 10.750	50378	OUT.NOZ.A TO SHELL 22 DEG. PC. 128-402 TO 122-101 VESSEL ID REFERENCE CNM 2201.01-67 CAL.BLK.#50304 NEAR SURF.EXAM
B03.090.005A	2RPV-107-121A	CN-1041-14 E 8871-128-003		UT	ISI-106	CS	47.56 10.750	50304	OUT.NOZ.A TO SHELL 22 DEG. PC. 128-402 TO 122-101 NOZZLE ID REFERENCE CNM 2201.01-67 REF.REQUEST FOR RELIEF #93-02
B03.090.006	2RPV-107-121B	CN-1041-14 E 8871-128-003		UT	ISI-106	CS	47.56 10.750	50378	OUT.NOZ. B TO SHELL 158 DEG.PC 128-401 TO 122-101 VESSEL ID REFERENCE CNM 2201.01-67 CAL.BLK.#50304 NEAR SURF.EXAM
B03.090.006A	2RPV-107-121B	CN-1041-14 E 8871-128-003		UT	ISI-106	CS	47.56 10.750	50304	OUT.NOZ. B TO SHELL 158 DEG.PC 128-401 TO 122-101 NOZZLE ID REFERENCE CNM 2201.01-67 REF.REQUEST FOR RELIEF #93-02
B03.090.007	2RPV-107-121C	CN-1041-14 E 8871-128-003		UT	ISI-106	CS	47.56 10.750	50378	OUT.NOZ. C TO SHELL 202 DEG.PC 128-402 TO 122-101 VESSEL ID REFERENCE CNM 2201.01-67 CAL.BLK.#50304 NEAR SURF.EXAM
B03.090.007A	2RPV-107-121C	CN-1041-14 E 8871-128-003		UT	ISI-106	CS	47.56 10.750	50304	OUT.NOZ. C TO SHELL 202 DEG.PC 128-402 TO 122-101 NOZZLE ID REFERENCE CNM 2201.01-67 REF.REQUEST FOR RELIEF #93-02
B03.090.008	2RPV-107-121D	CN-1041-14 E 8871-128-003		UT	ISI-106	CS	47.56 10.750	50378	OUT.NOZ. D TO SHELL 338 DEG.PC 128-401 TO 122-101 VESSEL ID REFERENCE CNM 2201.01-67 CAL.BLK.#50304 NEAR SURF.EXAM

ITEM NUMBER	ID. NUMBER	DRAWING NUMBERS	LOCS.	INSP REQ.	PROC. NUMBERS	MATERIAL TYPE/GRADE	DIAM./ THICK	CALIB BLOCK	COMMENTS
B03.090.008A	2RPV-107-121D	CN-1041-14 E 8871-128-003		UT	ISI-106	CS	47.56 10.750	50304	OUT.NOZ. D TO SHELL 338 DEG.PC 128-401 TO 122-101 NOZZLE ID REFERENCE CNM 2201.01-67 REF.REQUEST FOR RELIEF #93-02
B03.100.000	REACTOR VESSEL	NOZZLE INSIDE******* RADIUS SECTION *****		***	*******	*****	__.__ __.__	*****	**********
B03.100.001	2RPV-105-121A	CN-1041-14 E 8871-128-001		UT	ISI-106	CS	55.50 10.750	50304	INLET NOZZLE A TO SHELL 67 DEG. UT FROM NOZZLE ID REFERENCE CNM 2201.01-67 REF.REQUEST FOR RELIEF #96-02
B03.100.002	2RPV-105-121B	CN-1041-14 E 8871-128-001		UT	ISI-106	CS	55.50 10.750	50304	INLET NOZZLE B TO SHELL 113 DEG. UT FROM NOZZLE ID REFERENCE CNM 2201.01-67 REF.REQUEST FOR RELIEF #96-02
B03.100.003	2RPV-105-121C	CN-1041-14 E 8871-128-001		UT	ISI-106	CS	55.50 10.750	50304	INLET NOZZLE C TO SHELL 247 DEG. UT FROM NOZZLE ID REFERENCE CNM 2201.01-67 REF.REQUEST FOR RELIEF #96-02
B03.100.004	2RPV-105-121D	CN-1041-14 E 8871-128-001		UT	ISI-106	CS	55.50 10.750	50304	INLET NOZZLE D TO SHELL 293 DEG. UT FROM NOZZLE ID REFERENCE CNM 2201.01-67 REF.REQUEST FOR RELIEF #96-02
B03.100.005	2RPV-107-121A	CN-1041-14 E 8871-128-003		UT	ISI-106	CS	47.56 10.750	50304	OUTLET NOZZLE A TO SHELL 22 DEG. UT FROM NOZZLE ID REFERENCE CNM 2201.01-67 REF.REQUEST FOR RELIEF #93-02
B03.100.006	2RPV-107-121B	CN-1041-14 E 8871-128-003		UT	ISI-106	CS	47.56 10.750	50304	OUTLET NOZZLE B TO SHELL 158 DEG. UT FROM NOZZLE ID REFERENCE CNM 2201.01-67 REF.REQUEST FOR RELIEF #93-02

ITEM NUMBER	ID. NUMBER	DRAWING NUMBERS	LOCS.	INSP REQ.	PROC. NUMBERS	MATERIAL TYPE/GRADE	DIAM./ THICK	CALIB BLOCK	COMMENTS
B03.100.007	2RPV-107-121C	CN-1041-14 E 8871-128-003		UT	ISI-106	CS	47.56 10.750	50304	OUTLET NOZZLE C TO SHELL 202 DEG. UT FROM NOZZLE ID REFERENCE CNM 2201.01-67 REF.REQUEST FOR RELIEF #93-02
B03.100.008	2RPV-107-121D	CN-1041-14 E 8871-128-003		UT	ISI-106	CS	47.56 10.750	50304	OUTLET NOZZLE D TO SHELL 338 DEG. UT FROM NOZZLE ID REFERENCE CNM 2201.01-67 REF.REQUEST FOR RELIEF #93-02
B03.110.000	***PRESSURIZER	NOZZLE TO VESSEL**** WELDS**********		***	*******	*****	__.__ __.__	*****	**********
B03.120.000	***PRESSURIZER	NOZZLE INSIDE RADIUS SECTION**********		***	*******	*****	__.__ __.__	*****	**********
B03.140.000	*********STEAM	GENERATORS NOZZLE TO INSIDE RADIUS*******		***	*******	*****	__.__ __.__	*****	**********

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

ITEM NUMBER	ID. NUMBER	DRAWING NUMBERS	LOCS.	INSP REQ.	PROC. 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	2RPV201-121ASE	CN-1041-14 E 8871-171-009		UT	ISI-106	CS/SS	27.50 02.500	50386	RV INLET NOZZLE TO SAFE END 67 DEG. UT FROM NOZZLE SIDE REFERENCE CNM 2201.01-67 CAL.BLK.#50304 NEAR SURF.EXAM
B05.010.001A	2RPV201-121ASE	CN-1041-14 E 8871-171-009		UT	ISI-106	CS/SS	27.50 02.500	50386	RV INLET NOZZLE TO SAFE END 67 DEG. UT FROM SE SIDE REFERENCE CNM 2201.01-67 CAL.BLK.#50304 NEAR SURF.EXAM
B05.010.001B	2RPV201-121ASE	CNM 2201.01-67 E 8871-171-009		PT	NDE-35	CS/SS	27.50 02.500	-----	
B05.010.002	2RPV201-121BSE	CN-1041-14 E 8871-171-009		UT	ISI-106	CS/SS	27.50 02.500	50386	RV INLET NOZZLE TO SAFE END 113 DEG. UT FROM NOZZLE SIDE REFERENCE CNM 2201.01-67 CAL.BLK.#50304 NEAR SURF.EXAM
B05.010.002A	2RPV201-121BSE	CN-1041-14 E 8871-171-009		UT	ISI-106	CS/SS	27.50 02.500	50386	RV INLET NOZZLE TO SAFE END 113 DEG. UT FROM SE SIDE REFERENCE CNM 2201.01-67 CAL.BLK.#50304 NEAR SURF.EXAM
B05.010.002B	2RPV201-121BSE	CNM 2201.01-67 E 8871-171-009		PT	NDE-35	CS/SS	27.50 02.500	-----	
B05.010.003	2RPV201-121CSE	CN-1041-14 E 8871-171-009		UT	ISI-106	CS/SS	27.50 02.500	50386	RV INLET NOZZLE TO SAFE END 247 DEG. UT FROM NOZZLE SIDE REFERENCE CNM 2201.01-67 CAL.BLK.#50304 NEAR SURF.EXAM

ITEM NUMBER	ID. NUMBER	DRAWING NUMBERS	LOCS.	INSP REQ.	PROC. NUMBERS	MATERIAL TYPE/GRADE	DIAM./ THICK	CALIB BLOCK	COMMENTS
B05.010.003A	2RPV201-121CSE	CN-1041-14 E 8871-171-009		UT	ISI-106	CS/SS	27.50 02.500	50386	RV INLET NOZZLE TO SAFE END 247 DEG. UT FROM SE SIDE REFERENCE CNM 2201.01-67 CAL.BLK.#50304 NEAR SURF.EXAM
B05.010.003B	2RPV201-121CSE	CNM 2201.01-67 E 8871-171-009		PT	NDE-35	CS/SS	27.50 02.500	-----	--- --- --- ---
B05.010.004	2RPV201-121DSE	CN-1041-14 E 8871-171-009		UT	ISI-106	CS/SS	27.50 02.500	50386	RV INLET NOZZLE TO SAFE END 293 DEG. UT FROM NOZZLE SIDE REFERENCE CNM 2201.01-67 CAL.BLK.#50304 NEAR SURF.EXAM
B05.010.004A	2RPV201-121DSE	CN-1041-14 E 8871-171-009		UT	ISI-106	CS/SS	27.50 02.500	50386	RV INLET NOZZLE TO SAFE END 293 DEG. UT FROM SE SIDE REFERENCE CNM 2201.01-67 CAL.BLK.#50304 NEAR SURF.EXAM
B05.010.004B	2RPV201-121DSE	CNM 2201.01-67 E 8871-171-009		PT	NDE-35	CS/SS	27.50 02.500	-----	--- --- --- ---
B05.010.005	2RPV202-121ASE	CN-1041-14 E 8871-171-009		UT	ISI-106	CS/SS	29.00 02.625	50386	RV OUTLET NOZZLE TO SE 22 DEG. UT FROM NOZZLE SIDE REF. CNM 2201.01.-67 REF.RFR#93-02 CAL.BLK.#50304 NEAR SURF.EXAM
B05.010.005A	2RPV202-121ASE	CN-1041-14 E 8871-171-009		UT	ISI-106	CS/SS	29.00 02.625	50386	RV OUTLET NOZZLE TO SE 22 DEG. UT FROM SAFE END SIDE REF. CNM 2201.01-67 REF.RFR#93-02 CAL.BLK.#50304 NEAR SURF.EXAM
B05.010.006	2RPV202-121BSE	CN-1041-14 E 8871-171-009		UT	ISI-106	CS/SS	29.00 02.625	50386	RV OUTLET NOZZLE TO SE 158 DEG UT FROM NOZZLE SIDE REF. CNM 2201.01-67 REF.RFR#93-02 CAL.BLK.#50304 NEAR SURF.EXAM

ITEM NUMBER	ID. NUMBER	DRAWING NUMBERS	LOCS.	INSP REQ.	PROC. NUMBERS	MATERIAL TYPE/GRADE	DIAM./ THICK	CALIB BLOCK	COMMENTS
B05.010.006A	2RPV202-121BSE	CN-1041-14 E 8871-171-009		UT	ISI-106	CS/SS	29.00 02.625	50386	RV OUTLET NOZZLE TO SE 158 DEG UT FROM SAFE END SIDE REF. CNM 2201.01-67 REF. RFR#93-02 CAL.BLK.#50304 NEAR SURF.EXAM
B05.010.007	2RPV202-121CSE	CN-1041-14 E 8871-171-009		UT	ISI-106	CS/SS	29.00 02.625	50386	RV OUTLET NOZZLE TO SE 202 DEG UT FROM NOZZLE SIDE REF. CNM 2201.01-67 REF.RFR#93-02 CAL.BLK.#50304 NEAR SURF.EXAM
B05.010.007A	2RPV202-121CSE	CN-1041-14 E 8871-171-009		UT	ISI-106	CS/SS	29.00 02.625	50386	RV OUTLET NOZZLE TO SE 202 DEG UT FROM SAFE END SIDE REF. CNM 2201.01-67 REF.RFR#93-02 CAL.BLK.#50304 NEAR SURF.EXAM
B05.010.008	2RPV202-121DSE	CN-1041-14 E 8871-171-009		UT	ISI-106	CS/SS	29.00 02.625	50386	RV OUTLET NOZZLE TO SE 338 DEG UT FROM NOZZLE SIDE REF. CNM 2201.01-67 REF.RFR#93-02 CAL.BLK.#50304 NEAR SURF.EXAM
B05.010.008A	2RPV202-121DSE	CN-1041-14 E 8871-171-009		UT	ISI-106	CS/SS	29.00 02.625	50386	RV OUTLET NOZZLE TO SE 338 DEG UT FROM SAFE END SIDE REF. CNM 2201.01-67 REF.RFR#93-02 CAL.BLK.#50304 NEAR SURF.EXAM
B05.040.000	***PRESSURIZER	NOZZLE TO SAFE END** BUTT WELDS**********		***	*******	*****	__.__ __.__	*****	NOMINAL PIPE SIZE 4 INCH AND** GREATER**********
B05.070.000	*********STEAM	GENERATOR NOZZLE TO* SAFE END BUTT WELDS*		***	*******	*****	__.__ __.__	*****	NOMINAL PIPE SIZE 4 INCH AND** GREATER**********
B05.130.000	CLASS 1 PIPING	DISSIMILAR METAL**** BUTT WELDS**********		***	*******	*****	__.__ __.__	*****	NOMINAL PIPE SIZE 4 INCH AND** GREATER**********

ITEM NUMBER	ID. NUMBER	DRAWING NUMBERS	LOCS.	INSP REQ.	PROC. NUMBERS	MATERIAL TYPE/GRADE	DIAM./ THICK	CALIB BLOCK	COMMENTS
B05.130.001	2NC9-01	CN-2NC-009 CN-2553-1.0		UT	ISI-106	CS/SS	29.00 02.625	50386	UT FROM SE SIDE TO BE DONE WITH B05.010.005 CAL.BLK.#50304 NEAR SURF.EXAM REF.REQUEST FOR RELIEF #93-02
B05.130.001A	2NC9-01	CN-2NC-009 CN-2553-1.0		UT	ISI-106	CS/SS	29.00 02.625	50386	UT FROM PIPE SIDE TO BE DONE WITH B05.010.005A REF.REQUEST FOR RELIEF #93-02 REF.REQUEST FOR RELIEF #93-02
B05.130.004	2NC9-08	CN-2NC-009 CN-2553-1.0		UT	ISI-106	CS/SS	27.50 02.500	50386	UT FROM SE SIDE TO BE DONE WITH B05.010.001 CAL.BLK.#50304 NEAR SURF.EXAM
B05.130.004A	2NC9-08	CN-2NC-009 CN-2553-1.0		UT	ISI-106	CS/SS	27.50 02.500	50386	UT FROM PIPE SIDE TO BE DONE WITH B05.010.001A
B05.130.004B	2NC9-08	CN-2NC-009 CN-2553-1.0		PT	NDE-35	CS/SS	27.50 02.500	-----	TO BE DONE WITH B05.010.001B
B05.130.005	2NC11-01	CN-2NC-011 CN-2553-1.0		UT	ISI-106	CS/SS	29.00 02.625	50386	UT FROM SE SIDE TO BE DONE WITH B05.010.006 CAL.BLK.#50304 NEAR SURF.EXAM REF.REQUEST FOR RELIEF #93-02
B05.130.005A	2NC11-01	CN-2NC-011 CN-2553-1.0		UT	ISI-106	CS/SS	29.00 02.625	50386	UT FROM PIPE SIDE TO BE DONE WITH B05.010.006A REF.REQUEST FOR RELIEF #93-02 REF.REQUEST FOR RELIEF #93-02
B05.130.008	2NC11-08	CN-2NC-011 CN-2553-1.0		UT	ISI-106	CS/SS	27.50 02.500	50386	UT FROM SE SIDE TO BE DONE WITH B05.010.002 CAL.BLK.#50304 NEAR SURF.EXAM

ITEM NUMBER	ID. NUMBER	DRAWING NUMBERS	LOCS.	INSP REQ.	PROC. NUMBERS	MATERIAL TYPE/GRADE	DIAM./ THICK	CALIB BLOCK	COMMENTS
B05.130.008A	2NC11-08	CN-2NC-011 CN-2553-1.0		UT	ISI-106	CS/SS	27.50 02.500	50386	UT FROM PIPE SIDE TO BE DONE WITH B05.010.002A
B05.130.008B	2NC11-08	CN-2NC-011 CN-2553-1.0		PT	NDE-35	CS/SS	27.50 02.500	-----	TO BE DONE WITH B05.010.002B
B05.130.009	2NC13-01	CN-2NC-013 CN-2553-1.0		UT	ISI-106	CS/SS	29.00 02.625	50386	UT FROM SE SIDE TO BE DONE WITH B05.010.007 CAL.BLK.#50304 NEAR SURF.EXAM REF.REQUEST FOR RELIEF #93-02
B05.130.009A	2NC13-01	CN-2NC-013 CN-2553-1.0		UT	ISI-106	CS/SS	29.00 02.625	50386	UT FROM PIPE SIDE TO BE DONE WITH B05.010.007A REF.REQUEST FOR RELIEF #93-02 REF.REQUEST FOR RELIEF #93-02
B05.130.012	2NC13-08	CN-2NC-013 CN-2553-1.0		UT	ISI-106	CS/SS	27.50 02.500	50386	UT FROM SE SIDE TO BE DONE WITH B05.010.003 CAL.BLK.#50304 NEAR SURF.EXAM
B05.130.012A	2NC13-08	CN-2NC-013 CN-2553-1.0		UT	ISI-106	CS/SS	27.50 02.500	50386	UT FROM PIPE SIDE TO BE DONE WITH B05.010.003A
B05.130.012B	2NC13-08	CN-2NC-013 CN-2553-1.0		PT	NDE-35	CS/SS	27.50 02.500	-----	TO BE DONE WITH B05.010.003B
B05.130.013	2NC15-01	CN-2NC-015 CN-2553-1.0		UT	ISI-106	CS/SS	29.00 02.625	50386	UT FROM SE SIDE TO BE DONE WITH B05.010.008 CAL.BLK.#50304 NEAR SURF.EXAM REF.REQUEST FOR RELIEF #93-02

ITEM NUMBER	ID. NUMBER	DRAWING NUMBERS	LOCS.	INSP REQ.	PROC. NUMBERS	MATERIAL TYPE/GRADE	DIAM./ THICK	CALIB BLOCK	COMMENTS
B05.130.013A	2NC15-01	CN-2NC-015 CN-2553-1.0		UT	ISI-106	CS/SS	29.00 02.625	50386	UT FROM PIPE SIDE TO BE DONE WITH B05.010.008A REF.REQUEST FOR RELIEF #93-02 REF.REQUEST FOR RELIEF #93-02
B05.130.016	2NC15-08	CN-2NC-015 CN-2553-1.0		UT	ISI-106	CS/SS	27.50 02.500	50386	UT FROM SE SIDE TO BE DONE WITH B05.010.004 CAL.BLK.#50304 NEAR SURF.EXAM
B05.130.016A	2NC15-08	CN-2NC-015 CN-2553-1.0		UT	ISI-106	CS/SS	27.50 02.500	50386	UT FROM PIPE SIDE TO BE DONE WITH B05.010.004A
B05.130.016B	2NC15-08	CN-2NC-015 CN-2553-1.0		PT	NDE-35	CS/SS	27.50 02.500	-----	TO BE DONE WITH B05.010.004B

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***		***	*******	*****	__.__	*****	
B06.020.000	REACTOR VESSEL	CLOSURE STUDS******		***	*******	*****	__.__	*****	IN PLACE
B06.030.000	REACTOR VESSEL	CLOSURE STUDS******		***	*******	*****	__.__	*****	WHEN REMOVED
B06.040.000	REACTOR VESSEL	THREADS IN FLANGE***		***	*******	*****	__.__	*****	
B06.050.000	REACTOR VESSEL	CLOSURE WASHERS AND* BUSHINGS**********		***	*******	*****	__.__	*****	
B06.180.000	*CLASS 1 PUMPS	BOLTS AND STUDS*****		***	*******	*****	__.__	*****	GREATER THAN 2 INCH
B06.190.000	*CLASS 1 PUMPS	FLANGE SURFACE******		***	*******	*****	__.__	*****	WHEN CONNECTION DISASSEMBLED**

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********** **********
B07.030.000	*********STEAM	GENERATOR********** BOLTS,STUDS,AND NUTS		***	*******	*****	__.__ __.__	*****	2 INCH AND LESS********** **********
B07.050.000	CLASS 1 PIPING	BOLTS,STUDS,AND NUTS **********		***	*******	*****	__.__ __.__	*****	2 INCH AND LESS********** **********
B07.060.000	*CLASS 1 PUMPS	BOLTS,STUDS,AND NUTS **********		***	*******	*****	__.__ __.__	*****	2 INCH AND LESS********** **********
B07.070.000	CLASS 1 VALVES	BOLTS,STUDS,AND NUTS **********		***	*******	*****	__.__ __.__	*****	2 INCH AND LESS********** **********
B07.070.071	2NV-1A	CN-2NV-190 CNM 1205.00-178		VT1	QAL-13	SS/CS	__.__ __.__	-----	3" VALVE 6 STUDS, 6 NUTS
B07.070.072	2NV-2A	CN-2NV-149 CNM 1205.00-178		VT1	QAL-13	SS/CS	__.__ __.__	-----	3" VALVE 6 STUDS, 6 NUTS
B07.070.073	2NV-33	CN-2NV-185 CNM 1205.00-186		VT1	QAL-13	SS/CS	00.88 __.__	-----	3" VALVE 16 STUDS, 16 NUTS

ITEM NUMBER	ID. NUMBER	DRAWING NUMBERS	LOCS.	INSP REQ.	PROC. NUMBERS	MATERIAL TYPE/GRADE	DIAM./ THICK	CALIB BLOCK	COMMENTS
B07.070.074	2NV-34	CN-2NV-185 CNM 1205.00-186		VT1	QAL-13	SS/CS	00.88		3" VALVE 16 STUDS, 16 NUTS
B07.070.075	2NV-37A	CN-2NV-112 CNM 1205.01-602		VT1	QAL-13	SS/CS			2" VALVE 16 STUDS, 16 NUTS
B07.070.076	2NV-40	CN-2NV-119 CNM 1205.00-186		VT1	QAL-13	SS/CS	00.88		3" VALVE 16 STUDS, 16 NUTS
B07.070.077	2NV-41	CN-2NV-119 CNM 1205.00-186		VT1	QAL-13	SS/CS	00.88		3" VALVE 16 STUDS, 16 NUTS
B07.080.000	***CRD HOUSING******	BOLTS,STUDS,AND NUTS **********	-----	***	*******	*****			INSPECT IF DISASSEMBLED ****** LIST CRD NUMBER INSPECTED ****

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********	_____		_____	_____	__.___		**********
			_____						_____
									_____

ITEM NUMBER	ID. NUMBER	DRAWING NUMBERS	LOCS.	INSP REQ.	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***** WELDS**********		***	*******	*****	__.__ __.__	*****	**********
B09.011.019	2NC13-06	CN-2NC-013 CN-2553-1.0		UT	NDE-610	SS	31.00 02.500	50386	LOOP 3 CNM 2201.01-104/8 B TO RCP 2C INLET REF.REQUEST FOR RELIEF #96-02
B09.011.019A	2NC13-06	CN-2NC-013 CN-2553-1.0		PT	NDE-35	SS	31.00 02.500	-----	LOOP 3 CNM 2201.01-104/8 B TO RCP 2C INLET
B09.011.354	2NI379-05	CN-2NI-379 CN-2562-1.2		UT	NDE-600	SS	08.00 00.906	50311	----------
B09.011.354A	2NI379-05	CN-2NI-379 CN-2562-1.2		PT	NDE-35	SS	08.00 00.906	-----	----------
B09.011.355	2NI379-08	CN-2NI-379 CN-2562-1.2		UT	NDE-600	SS	08.00 00.906	50311	----------
B09.011.355A	2NI379-08	CN-2NI-379 CN-2562-1.2		PT	NDE-35	SS	08.00 00.906	-----	----------

ITEM NUMBER	ID. NUMBER	DRAWING NUMBERS	LOCS.	INSP REQ.	PROC. NUMBERS	MATERIAL TYPE/GRADE	DIAM./ THICK	CALIB BLOCK	COMMENTS
B09.011.356	2NI396-02	CN-2NI-396 CN-2562-1.2		UT	NDE-600	SS	04.00 00.531	50307	
B09.011.356A	2NI396-02	CN-2NI-396 CN-2562-1.2		PT	NDE-35	SS	04.00 00.531	-----	
B09.011.357	2NI396-04	CN-2NI-396 CN-2562-1.2		UT	NDE-600	SS	04.00 00.531	50307	
B09.011.357A	2NI396-04	CN-2NI-396 CN-2562-1.2		PT	NDE-35	SS	04.00 00.531		
B09.012.000	**********	LONGITUDINAL******* WELDS**********		***	*******	*****	__.__ __.__	*****	
B09.020.000	CLASS 1 PIPING	NOMINAL PIPE SIZE*** < 4 INCH **********		***	*******	*****	__.__ __.__	*****	
B09.021.000	**********	CIRCUMFERENTIAL***** WELDS**********		***	*******	*****	__.__ __.__	*****	
B09.021.049	2NC74-06	CN-2NC-074 CN-2553-1.0		PT	NDE-35	SS	02.00 00.344	-----	

ITEM NUMBER	ID. NUMBER	DRAWING NUMBERS	LOCS.	INSP REQ.	PROC. NUMBERS	MATERIAL TYPE/GRADE	DIAM./ THICK	CALIB BLOCK	COMMENTS
B09.021.050	2NC74-16	CN-2NC-074 CN-2553-1.0		PT	NDE-35	SS	02.00 00.344	-----	
B09.021.061	2NC140-04	CN-2NC-140 CN-2553-1.0		PT	NDE-35	SS	01.50 00.281	-----	
B09.021.062	2NC145-05	CN-2NC-145 CN-2553-1.0		PT	NDE-35	SS	01.50 00.281	-----	
B09.030.000	CLASS 1 PIPING	BRANCH PIPE ******* CONNECTION WELDS****		***	*******	*****	__.__ __.__	*****	**********
B09.031.000	**NOMINAL PIPE	SIZE 4 INCH AND***** GREATER**********		***	*******	*****	__.__ __.__	*****	**********
B09.032.000	**NOMINAL PIPE	LESS THAN 4 INCH**** **********		***	*******	*****	__.__ __.__	*****	**********
B09.040.000	**SOCKET WELDS	********** **********		***	*******	*****	__.__ __.__	*****	**********
B09.040.029	2NC81-04	CN-2NC-081 CN-2553-1.0		PT	NDE-35	SS	02.00 00.344	-----	

ITEM NUMBER	ID. NUMBER	DRAWING NUMBERS	LOCS.	INSP REQ.	PROC. NUMBERS	MATERIAL TYPE/GRADE	DIAM./ THICK	CALIB BLOCK	COMMENTS
B09.040.030	2NC81-06	CN-2NC-081 CN-2553-1.0		PT	NDE-35	SS	02.00 00.344	-----	
B09.040.031	2NC89-05	CN-2NC-089 CN-2553-1.0		PT	NDE-35	SS	02.00 00.344	-----	
B09.040.032	2NC89-07	CN-2NC-089 CN-2553-1.0		PT	NDE-35	SS	02.00 00.344	-----	
B09.040.115	2NI306-03	CN-2NI-306 CN-2562-1.0		PT	NDE-35	SS	01.50 00.281	-----	
B09.040.116	2NI306-06	CN-2NI-306 CN-2562-1.0		PT	NDE-35	SS	02.00 00.344	-----	
B09.040.117	2NI322-02	CN-2NI-322 CN-2562-1.2		PT	NDE-35	SS	02.00 00.344	-----	
B09.040.118	2NI322-04	CN-2NI-322 CN-2562-1.2		PT	NDE-35	SS	02.00 00.344	-----	
B09.040.119	2NI396-13	CN-2NI-396 CN-2562-1.2		PT	NDE-35	SS	02.00 00.344	-----	

ITEM NUMBER	ID. NUMBER	DRAWING NUMBERS	LOCS.	INSP REQ.	PROC. NUMBERS	MATERIAL TYPE/GRADE	DIAM./ THICK	CALIB BLOCK	COMMENTS
B09.040.120	2NI396-18	CN-2NI-396 CN-2562-1.2		PT	NDE-35	SS	02.00 00.344	-----	
B09.040.121	2NI396-20	CN-2NI-396 CN-2562-1.2		PT	NDE-35	SS	02.00 00.344	-----	
B09.040.122	2NI396-21	CN-2NI-396 CN 2562-1.2		PT	NDE-35	SS	02.00 00.344	-----	

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**********
B12.040.002	INSPECT ONE OF	THE FOLLOWING FOUR** **********		***	*******	*****	__.__ __.__	*****	INSPECT IF DISASSEMBLED******* **********
B12.040.002D	2ND-37A	CN-2ND-066 CNM 1205.00-262		UT	NDE-630	SS	12.00 02.043	50354	FACTORY WELD-VALVE BODY TO BONNETT REF.REQUEST FOR RELIEF #96-02
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******* **********
B12.050.002A	2NC-27	CN-2NC-024 CNM 1205.06-41		VT3	QAL-14	SS	04.00 00.531	-----	REF.REQUEST FOR RELIEF #95-02 ---------- REF.REQUEST FOR RELIEF #95-02
B12.050.002B	2NC-29	CN-2NC-033 CNM 1205.06-41		VT3	QAL-14	SS	04.00 00.531	-----	REF.REQUEST FOR RELIEF #95-02 ---------- REF.REQUEST FOR RELIEF #95-02

ITEM NUMBER	ID. NUMBER	DRAWING NUMBERS	LOCS.	INSP REQ.	PROC. NUMBERS	MATERIAL TYPE/GRADE	DIAM./ THICK	CALIB BLOCK	COMMENTS
B12.050.003	INSPECT ONE OF	THE FOLLOWING FOUR**		***	*******	*****	__.__	*****	INSPECT IF DISASSEMBLED******
B12.050.003A	2ND-1B	CN-2ND-067 CNM 1205.00-262		VT3	QAL-14	SS	12.00 02.043	-----	REF.REQUEST FOR RELIEF #95-02 REF.REQUEST FOR RELIEF #95-02
B12.050.003B	2ND-2A	CN-2ND-067 CNM 1205.00-262		VT3	QAL-14	SS	12.00 02.043	-----	REF.REQUEST FOR RELIEF #95-02 REF.REQUEST FOR RELIEF #95-02
B12.050.003C	2ND-36B	CN-2ND-066 CNM 1205.00-262		VT3	QAL-14	SS	12.00 02.043	-----	REF.REQUEST FOR RELIEF #95-02 REF.REQUEST FOR RELIEF #95-02
B12.050.003D	2ND-37A	CN-2ND-066 CNM 1205.00-262		VT3	QAL-14	SS	12.00 02.043	-----	REF.REQUEST FOR RELIEF #95-02 REF.REQUEST FOR RELIEF #95-02
B12.050.004	INSPECT ONE OF	THE FOLLOWING FOUR**		***	*******	*****	__.__	*****	INSPECT IF DISSASSEMBLED******
B12.050.004A	2NI-54A	CN-2NI-059 CNM 1205.00-71		VT3	QAL-14	SS	10.00 01.000	-----	REF.REQUEST FOR RELIEF #95-02 REF.REQUEST FOR RELIEF #95-02
B12.050.004B	2NI-65B	CN-2NI-061 CNM 1205.00-71		VT3	QAL-14	SS	10.00 01.000	-----	REF.REQUEST FOR RELIEF #95-02 REF.REQUEST FOR RELIEF #95-02

ITEM NUMBER	ID. NUMBER	DRAWING NUMBERS	LOCS.	INSP REQ.	PROC. NUMBERS	MATERIAL TYPE/GRADE	DIAM./ THICK	CALIB BLOCK	COMMENTS
B12.050.004C	2NI-76A	CN-2NI-063 CNM 1205.00-71		VT3	QAL-14	SS	10.00 01.000	-----	REF.REQUEST FOR RELIEF #95-02 REF.REQUEST FOR RELIEF #95-02
B12.050.004D	2NI-88B	CN-2NI-057 CNM 1205.00-71		VT3	QAL-14	SS	10.00 01.000	-----	REF.REQUEST FOR RELIEF #95-02 REF.REQUEST FOR RELIEF #95-02
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*******

ITEM NUMBER	ID. NUMBER	DRAWING NUMBERS	LOCS.	INSP REQ.	PROC. NUMBERS	MATERIAL TYPE/GRADE	DIAM./ THICK	CALIB BLOCK	COMMENTS
B13.010.000	REACTOR VESSEL	INTERIOR********** **********		***	*******	*****	__.__ __.__	*****	********** **********
B13.010.001	2RPV-INTERIOR	CNM 2201.01-51 CNM 2201.01-67		VT3	ISI-359	SS	__.__ __.__	-----	AREA ABOVE AND BELOW CORE MADE ACCESSIBLE DURING REFUELING
B13.031.000	INTERIOR ATTACHMENTS	BEYOND BELTLINE REGION**********		***	******* *******	***** **********	__.__ __.__		********** **********
B13.031.001	2RPV-CLEVIS	CNM 2201.01-51 CNM 2201.01-74/4		VT3	ISI-359	SS	__.__ __.__		6 CLEVIS LOCATED AT 60 DEGREE INTERVALS IN LOWER SHELL
B13.032.000	REACTOR VESSEL	CORE SUPPORT STRUCTURE**********		***	*******	*****	__.__ __.__	*****	********** **********
B13.032.001	2RPV-CORE-SUP	CNM 2201.01-51 ----------		VT3	ISI-359	-----	__.__ __.__	-----	INSPECT WHEN STRUCTURE IS REMOVED FROM VESSEL

ITEM NUMBER	ID. NUMBER	DRAWING NUMBERS	LOCS.	INSP REQ.	PROC. 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
		**********					__.__		

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

ITEM NUMBER	ID. NUMBER	DRAWING NUMBERS	LOCS.	INSP REQ.	PROC. NUMBERS	MATERIAL TYPE/GRADE	DIAM./ THICK	CALIB BLOCK	COMMENTS
B16.020.000	********STEAM	GENERATOR TUBING**** **********	_____ _____ _____	***	******* _____	***** _____	__.__ __.__	*****	******* U-TUBE DESIGN ******** RANDOM 3% SAMPLE REF. EDDY CURRENT PROGRAM MAINTAINED BY DIVERSIFIED SERVICES-NDE

ITEM NUMBER	ID. NUMBER	DRAWING NUMBERS	LOCS.	INSP REQ.	PROC. 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	2SGD-06B-07	CNM 2201.01-102/1 CNM 2201.01-114/1		UT	NDE-620 NDE-640	CS	__.__ 03.890	50366	STEAM GENERATOR 2D UPPER SHELL TO UPPER HEAD
C01.030.000	**TUBESHEET TO	SHELL WELD********** **********		***	*******	*****	__.__	*****	**********

ITEM NUMBER	ID. NUMBER	DRAWING NUMBERS	LOCS.	INSP REQ.	PROC. NUMBERS	MATERIAL TYPE/GRADE	DIAM./ THICK	CALIB BLOCK	COMMENTS
C02.000.000	******PRESSURE	RETAINING NOZZLE**** WELDS 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 **********		***	*******	*****	__.__ __.__	*****	**********
C02.021.010	2SGD-UH-15	CNM 2201.01-102/1 CNM 2201.01-114/1		UT	NDE-620 NDE-640	CS	32.00 03.820	50366	STEAM GENERATOR 2D MAIN STEAM NOZZLE TO UPPER HEAD
C02.021.010A	2SGD-UH-15	CNM 2201.01-102/1 CNM 2201.01-114/1		MT	NDE-25	CS	32.00 03.820	-----	----------
C02.022.000	****NOZZLES TO	INSIDE RADIUS******* SECTION**********		***	*******	*****	__.__ __.__	*****	**********

ITEM NUMBER	ID. NUMBER	DRAWING NUMBERS	LOCS.	INSP REQ.	PROC. NUMBERS	MATERIAL TYPE/GRADE	DIAM./ THICK	CALIB BLOCK	COMMENTS
C02.022.007	2SGD-UH-15	CNM 2201.01-102/1 CNM 2201.01-114/1		UT	NDE-680	CS	32.00 03.820	50366	INSIDE RADIUS REF.REQUEST FOR RELIEF #96-02

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 INTREGRALLY WELDED ATTACHMENTS**		***	*******	*****	__.__ __.__	*****	********** **********
C03.010.005	2ACCB-LUG-1	CN-2562-1.1 CNM 1201.04-151		MT	NDE-25	CS	01.125	----	SAF. INJ. ACCUMULATOR TANK 2B LIFTING LUG TO HEAD 90 DEGREES PC.7 TO PC.2
C03.010.006	2ACCB-LUG-2	CN-2562-1.1 CNM 1201.04-151		MT	NDE-25	CS	01.125	----	SAF. INJ. ACCUMULATOR TANK 2B LIFTING LUG TO HEAD 270 DEGREES PC.7 TO PC.2
C03.010.007	2RHRA-M5	ISI-2CAT-001 CNM 1201.06-083		PT	NDE-35	SS	00.750	-----	RHR HX 2A SUPPORT SKIRT TO LOWER HEAD PC. F TO E
C03.020.000	********PIPING	INTEGRALLY WELDED*** ATTACHMENTS*********		***	*******	*****	__.__ __.__	*****	********** **********
C03.020.001	2-R-CF-1582	CN-2491-CF-001		MT	NDE-25	CS	00.750	-----	WELD NUMBERS 8 AND 19
C03.020.002	2-R-CF-1584	CN-2491-CF-001		MT	NDE-25	CS	00.750	-----	WELD NUMBER 19

ITEM NUMBER	ID. NUMBER	DRAWING NUMBERS	LOCS.	INSP REQ.	PROC. NUMBERS	MATERIAL TYPE/GRADE	DIAM./ THICK	CALIB BLOCK	COMMENTS
C03.020.003	2-R-CF-1585	CN-2491-CF-001		MT	NDE-25	CS	00.750	-----	WELD NUMBERS 8 AND 20
C03.020.004	2-R-CF-1521	CN-2491-CF-002		MT	NDE-25	CS	00.750	-----	WELD NUMBER 1
C03.020.006	2-R-CF-1563	CN-2491-CF-003		MT	NDE-25	CS	00.750	-----	WELD NUMBER 13
C03.020.007	2-R-CF-1564	CN-2491-CF-003		MT	NDE-25	CS	00.750	-----	WELD NUMBER 20
C03.030.000	**********PUMP	INTEGRALLY WELDED*** ATTACHMENTS*********		***	*******	*****	__.__ __.__	*****	********** **********

PRE-SERVICE AND IN-SERVICE INSPECTION SYSTEM
CATAWBA 2 INSERVICE INSPECTION LISTING OUTAGE 7

ITEM NUMBER	ID. NUMBER	DRAWING NUMBERS	LOCS.	INSP REQ.	PROC. NUMBERS	MATERIAL TYPE/GRADE	DIAM./ THICK	CALIB BLOCK	COMMENTS
C04.000.000	******PRESSURE	RETAINING BOLTING***		***	*******	*****	__.__	*****	
		**********					__.__		
C04.010.000	******PRESSURE	VESSELS BOLTS AND***		***	*******	*****	__.__	*****	
		STUDS**********					__.__		

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	**********	CIRCUMFERENTIAL***** WELDS**********		***	*******	*****	__.__ __.__	*****	1/2" AND LESS NOMINAL WALL**** THICKNESS**********
C05.011.000	**********	CIRCUMFERENTIAL***** WELDS**********		***	*******	*****	__.__ __.__	*****	********** **********
C05.011.046	2CA153-49	CN-2CA-153 CN-2592-1.1		PT	NDE-35	SS	06.00 00.432	-----	---------- ----------
C05.011.047	2CA153-50	CN-2CA-153 CN-2592-1.1		PT	NDE-35	SS	06.00 00.432	-----	---------- ----------
C05.011.048	2CA155-24	CN-2CA-155 CN-2592-1.1		PT	NDE-35	SS	06.00 00.432	-----	---------- ----------
C05.011.049	2CA155-26	CN-2CA-155 CN-2592-1.1		PT	NDE-35	SS	06.00 00.432	-----	---------- ----------
C05.011.050	2CA155-27	CN-2CA-155 CN-2592-1.1		PT	NDE-35	SS	06.00 00.432	-----	---------- ----------

ITEM NUMBER	ID. NUMBER	DRAWING NUMBERS	LOCS.	INSP REQ.	PROC. NUMBERS	MATERIAL TYPE/GRADE	DIAM./ THICK	CALIB BLOCK	COMMENTS
C05.011.051	2CA155-28	CN-2CA-155 CN-2592-1.1		PT	NDE-35	SS	06.00 00.432	-----	
C05.011.052	2CA156-30	CN-2CA-156 CN-2592-1.1		PT	NDE-35	SS	06.00 00.432	-----	
C05.011.053	2CA156-31	CN-2CA-156 CN-2592-1.1		PT	NDE-35	SS	06.00 00.432	-----	
C05.011.054	2CA156-32	CN-2CA-156 CN-2592-1.1		PT	NDE-35	SS	06.00 00.432	-----	
C05.011.055	2CA59-22	CN-2CA-059 CN-2592-1.1		PT	NDE-35	CS/SS	06.00 00.432		
C05.011.056	2CA59-23	CN-2CA-059 CN-2592-1.1		PT	NDE-35	SS	06.00 00.432		
C05.011.057	2CA59-25	CN-2CA-059 CN-2592-1.1		PT	NDE-35	SS	06.00 00.432		
C05.011.058	2CA59-26	CN-2CA-059 CN-2592-1.1		PT	NDE-35	SS	06.00 00.432		

ITEM NUMBER	ID. NUMBER	DRAWING NUMBERS	LOCS.	INSP REQ.	PROC. NUMBERS	MATERIAL TYPE/GRADE	DIAM./ THICK	CALIB BLOCK	COMMENTS
C05.011.059	2CA60-20	CN-2CA-060 CN-2592-1.1		PT	NDE-35	CS/SS	06.00 00.432		
C05.011.060	2CA60-21	CN-2CA-060 CN-2592-1.1		PT	NDE-35	SS	06.00 00.432		
C05.011.061	2CA92-21	CN-2CA-092 CN-2592-1.1		PT	NDE-35	CS/SS	06.00 00.432		
C05.011.062	2CA92-22	CN-2CA-092 CN-2592-1.1		PT	NDE-35	SS	06.00 00.432		
C05.011.063	2CA92-23	CN-2CA-092 CN-2592-1.1		PT	NDE-35	CS/SS	06.00 00.432		
C05.011.064	2CA92-24	CN-2CA-092 CN-2592-1.1		PT	NDE-35	CS/SS	06.00 00.432		
C05.011.065	2CA153-48	CN-2CA-153 CN-2592-1.1		PT	NDE-35	SS	06.00 00.432		
C05.011.066	2CA155-25	CN-2CA-155 CN-2592-1.1		PT	NDE-35	SS	06.00 00.432		

ITEM NUMBER	ID. NUMBER	DRAWING NUMBERS	LOCS.	INSP REQ.	PROC. NUMBERS	MATERIAL TYPE/GRADE	DIAM./ THICK	CALIB BLOCK	COMMENTS
C05.011.067	2CA155-29	CN-2CA-155 CN-2592-1.1		PT	NDE-35	SS	06.00 00.432		
C05.011.068	2CA156-29	CN-2CA-156 CN-2592-1.1		PT	NDE-35	SS	06.00 00.432		
C05.011.069	2CA94-24	CN-2CA-094 CN-2592-1.1		PT	NDE-35	CS/SS	06.00 00.432		
C05.011.195	2ND20-05	CN-2ND-020 CN-2561-1.1		PT	NDE-35	SS	08.00 00.250	-----	REF. C05.012.039
C05.011.196	2ND20-08	CN-2ND-020 CN-2561-1.1		PT	NDE-35	SS	08.00 00.250	-----	REF. C05.012.040
C05.011.197	2ND20-09	CN-2ND-020 CN-2561-1.1		PT	NDE-35	SS	08.00 00.250	-----	REF. C05.012.041
C05.011.201	2ND22-02	CN-2ND-022 CN-2561-1.1		PT	NDE-35	SS	08.00 00.250	-----	REF. C05.012.045
C05.011.202	2ND22-04	CN-2ND-022 CN-2561-1.1		PT	NDE-35	SS	08.00 00.250	-----	

ITEM NUMBER	ID. NUMBER	DRAWING NUMBERS	LOCS.	INSP REQ.	PROC. NUMBERS	MATERIAL TYPE/GRADE	DIAM./ THICK	CALIB BLOCK	COMMENTS
C05.011.203	2ND23-02	CN-2ND-023 CN-2561-1.0		PT	NDE-35	SS	12.00 00.375	-----	REF. C05.012.046
C05.011.204	2ND23-04	CN-2ND-023 CN-2561-1.0		PT	NDE-35	SS	12.00 00.375	-----	REF. C05.012.047
C05.011.205	2ND23-09	CN-2ND-023 CN-2561-1.0		PT	NDE-35	SS	12.00 00.375	-----	REF. C05.012.047/C05.012.048
C05.011.206	2ND23-10	CN-2ND-023 CN-2561-1.0		PT	NDE-35	SS	08.00 00.250	-----	REF. C05.012.048
C05.011.207	2ND23-12	CN-2ND-023 CN-2561-1.0		PT	NDE-35	SS	08.00 00.250	-----	REF. C05.012.049
C05.011.208	2ND20-04	CN-2ND-020 CN-2561-1.1		PT	NDE-35	SS	08.00 00.250	-----	REF. C05.012.050
C05.011.209	2ND24-02	CN-2ND-024 CN-2561-1.0		PT	NDE-35	SS	12.00 00.375	-----	REF. C05.012.051
C05.011.210	2ND24-04	CN-2ND-024 CN-2561-1.0		PT	NDE-35	SS	12.00 00.375	-----	REF. C05.012.052

ITEM NUMBER	ID. NUMBER	DRAWING NUMBERS	LOCS.	INSP REQ.	PROC. NUMBERS	MATERIAL TYPE/GRADE	DIAM./ THICK	CALIB BLOCK	COMMENTS
C05.011.211	2ND24-06	CN-2ND-024 CN-2561-1.0		PT	NDE-35	SS	12.00 00.375	-----	REF. C05.012.053
C05.011.212	2ND24-08	CN-2ND-024 CN-2561-1.0		PT	NDE-35	SS	12.00 00.375	-----	REF. C05.012.054
C05.011.213	2ND24-16	CN-2ND-024 CN-2561-1.0		PT	NDE-35	SS	12.00 00.500	-----	
C05.011.214	2ND24-17	CN-2ND-024 CN-2561-1.0		PT	NDE-35	SS	12.00 00.500	-----	
C05.011.215	2ND25-02	CN-2ND-025 CN-2561-1.0		PT	NDE-35	SS	08.00 00.250	-----	
C05.011.216	2ND25-10	CN-2ND-025 CN-2561-1.0		PT	NDE-35	SS	08.00 00.250	-----	REF. C05.012.055
C05.011.217	2ND25-19	CN-2ND-025 CN-2561-1.0		PT	NDE-35	SS	14.00 00.438	-----	TERMINAL END RHR HEAT EXCHANGER 2A REF. C05.012.056
C05.011.218	2ND26-12	CN-2ND-026 CN-2561-1.0		PT	NDE-35	SS	08.00 00.250	-----	

ITEM NUMBER	ID. NUMBER	DRAWING NUMBERS	LOCS.	INSP REQ.	PROC. NUMBERS	MATERIAL TYPE/GRADE	DIAM./ THICK	CALIB BLOCK	COMMENTS
C05.011.219	2ND26-16	CN-2ND-026 CN-2561-1.0		PT	NDE-35	SS	08.00 00.250	-----	REF. C05.012.057
C05.011.220	2ND27-08	CN-2ND-027 CN-2561-1.0		PT	NDE-35	SS	08.00 00.250	-----	REF. C05.012.058
C05.011.221	2ND27-12	CN-2ND-027 CN-2561-1.0		PT	NDE-35	SS	08.00 00.250	-----	REF. C05.012.059
C05.011.222	2ND28-13	CN-2ND-028 CN-2561-1.0		PT	NDE-35	SS	08.00 00.322	-----	
C05.011.223	2ND28-16	CN-2ND-028 CN-2561-1.0		PT	NDE-35	SS	08.00 00.250	-----	REF. C05.012.060
C05.011.224	2ND30-01	CN-2ND-030 CN-2561-1.1		PT	NDE-35	SS	12.00 00.375	-----	REF. C05.012.061
C05.011.225	2ND30-02	CN-2ND-030 CN-2561-1.1		PT	NDE-35	SS	12.00 00.375	-----	REF. C05.012.061
C05.011.227	2ND34-04	CN-2ND-034 CN-2461-1.1		PT	NDE-35	SS	08.00 00.250	-----	

ITEM NUMBER	ID. NUMBER	DRAWING NUMBERS	LOCS.	INSP REQ.	PROC. NUMBERS	MATERIAL TYPE/GRADE	DIAM./ THICK	CALIB BLOCK	COMMENTS
C05.011.228	2ND34-17	CN-2ND-034 CN-2461-1.1		PT	NDE-35	SS	14.00 00.438	-----	TERMINAL END RHR HEAT EXCHANGER 2B REF. C05.012.063
C05.011.229	2ND40-06	CN-2ND-040 CN-2561-1.0		PT	NDE-35	SS	14.00 00.438	-----	REF. C05.012.064
C05.011.230	2ND41-21	CN-2ND-041 CN-2561-1.0		PT	NDE-35	SS	08.00 00.250	-----	REF. C05.012.065
C05.011.231	2ND41-23	CN-2ND-041 CN-2561-1.0		PT	NDE-35	SS	08.00 00.250	-----	
C05.011.232	2ND41-24	CN-2ND-041 CN-2561-1.0		PT	NDE-35	SS	08.00 00.250	-----	REF. C05.012.066
C05.011.233	2ND41-25	CN-2ND-041 CN-2561-1.0		PT	NDE-35	SS	08.00 00.250	-----	REF. C05.012.066
C05.011.238	2ND43-04	CN-2ND-043 CN-2561-1.0		PT	NDE-35	SS	08.00 00.250	-----	REF. C05.012.070
C05.011.239	2ND43-05	CN-2ND-043 CN-2561-1.0		PT	NDE-35	SS	08.00 00.250	-----	REF. C05.012.071

ITEM NUMBER	ID. NUMBER	DRAWING NUMBERS	LOCS.	INSP REQ.	PROC. NUMBERS	MATERIAL TYPE/GRADE	DIAM./ THICK	CALIB BLOCK	COMMENTS
C05.011.240	2ND44-20	CN-2ND-044 CN-2561-1.0		PT	NDE-35	SS	14.00 00.438	-----	TERMINAL END RHR HEAT EXCHANGER 2A REF. C05.012.072
C05.011.241	2ND45-08	CN-2ND-045 CN-2561-1.1		PT	NDE-35	SS	08.00 00.250	-----	REF. C05.012.073
C05.011.242	2ND45-09	CN-2ND-045 CN-2561-1.1		PT	NDE-35	SS	08.00 00.250	-----	REF. C05.012.074
C05.011.243	2ND46-03	CN-2ND-046 CN-2561-1.0		PT	NDE-35	SS	12.00 00.375	-----	REF. C05.012.075
C05.011.244	2ND46-04	CN-2ND-046 CN-2561-1.0		PT	NDE-35	SS	12.00 00.375	-----	REF. C05.012.075
C05.011.245	2ND46-05	CN-2ND-046 CN-2561-1.0		PT	NDE-35	SS	12.00 00.375	-----	REF. C05.012.076
C05.011.246	2ND46-07	CN-2ND-046 CN-2561-1.0		PT	NDE-35	SS	12.00 00.375	-----	REF. C05.012.077
C05.011.247	2ND47-02	CN-2ND-047 CN-2561-1.1		PT	NDE-35	SS	08.00 00.322	-----	

ITEM NUMBER	ID. NUMBER	DRAWING NUMBERS	LOCS.	INSP REQ.	PROC. NUMBERS	MATERIAL TYPE/GRADE	DIAM./ THICK	CALIB BLOCK	COMMENTS
C05.011.240	2ND44-20	CN-2ND-044 CN-2561-1.0		PT	NDE-35	SS	14.00 00.438	-----	TERMINAL END RHR HEAT EXCHANGER 2A REF. C05.012.072
C05.011.241	2ND45-08	CN-2ND-045 CN-2561-1.1		PT	NDE-35	SS	08.00 00.250	-----	REF. C05.012.073
C05.011.242	2ND45-09	CN-2ND-045 CN-2561-1.1		PT	NDE-35	SS	08.00 00.250	-----	REF. C05.012.074
C05.011.243	2ND46-03	CN-2ND-046 CN-2561-1.0		PT	NDE-35	SS	12.00 00.375	-----	REF. C05.012.075
C05.011.244	2ND46-04	CN-2ND-046 CN-2561-1.0		PT	NDE-35	SS	12.00 00.375	-----	REF. C05.012.075
C05.011.245	2ND46-05	CN-2ND-046 CN-2561-1.0		PT	NDE-35	SS	12.00 00.375	-----	REF. C05.012.076
C05.011.246	2ND46-07	CN-2ND-046 CN-2561-1.0		PT	NDE-35	SS	12.00 00.375	-----	REF. C05.012.077
C05.011.247	2ND47-02	CN-2ND-047 CN-2561-1.1		PT	NDE-35	SS	08.00 00.322	-----	

ITEM NUMBER	ID. NUMBER	DRAWING NUMBERS	LOCS.	INSP REQ.	PROC. NUMBERS	MATERIAL TYPE/GRADE	DIAM./ THICK	CALIB BLOCK	COMMENTS
C05.011.248	2ND47-16	CN-2ND-047 CN-2561-1.1		PT	NDE-35	SS	08.00 00.322	-----	
C05.011.249	2ND48-10	CN-2ND-048 CN-2561-1.1		PT	NDE-35	SS	08.00 00.250	-----	REF. C05.012.078
C05.011.250	2ND48-15	CN-2ND-048 CN-2561-1.1		PT	NDE-35	SS	08.00 00.250	-----	REF. C05.012.080
C05.011.251	2ND48-14	CN-2ND-048 CN-2561-1.1		PT	NDE-35	SS	08.00 00.250	-----	REF. C05.012.080
C05.011.252	2ND49-01	CN-2ND-049 CN-2561-1.0		PT	NDE-35	SS	08.00 00.250	-----	REF. C05.012.081
C05.011.253	2ND49-03	CN-2ND-049 CN-2561-1.0		PT	NDE-35	SS	08.00 00.250	-----	REF. C05.012.082
C05.011.254	2ND49-04	CN-2ND-049 CN-2561-1.0		PT	NDE-35	SS	08.00 00.250	-----	REF. C05.012.083
C05.011.255	2ND49-08	CN-2ND-049 CN-2561-1.0		PT	NDE-35	SS	08.00 00.250	-----	REF. C05.012.084

ITEM NUMBER	ID. NUMBER	DRAWING NUMBERS	LOCS.	INSP REQ.	PROC. NUMBERS	MATERIAL TYPE/GRADE	DIAM./ THICK	CALIB BLOCK	COMMENTS
C05.011.256	2ND49-14	CN-2ND-049 CN-2561-1.0		PT	NDE-35	SS	08.00 00.250	-----	
C05.011.257	2ND50-02	CN-2ND-050 CN-2561-1.1		PT	NDE-35	SS	08.00 00.250	-----	
C05.011.258	2ND50-03	CN-2ND-050 CN-2561-1.1		PT	NDE-35	SS	08.00 00.250	-----	REF. C05.012.085
C05.011.259	2ND50-11	CN-2ND-050 CN-2561-1.1		PT	NDE-35	SS	08.00 00.250	-----	
C05.011.260	2ND50-18	CN-2ND-050 CN-2561-1.1		PT	NDE-35	SS	08.00 00.322	-----	TERMINAL END RHR PUMP 2B REF. C05.012.086
C05.011.261	2ND51-10	CN-2ND-051 CN-2561-1.1		PT	NDE-35	SS	08.00 00.322	-----	
C05.011.262	2ND51-11	CN-2ND-051 CN-2561-1.1		PT	NDE-35	SS	08.00 00.322	-----	
C05.011.263	2ND51-12	CN-2ND-051 CN-2561-1.1		PT	NDE-35	SS	08.00 00.322	-----	

ITEM NUMBER	ID. NUMBER	DRAWING NUMBERS	LOCS.	INSP REQ.	PROC. NUMBERS	MATERIAL TYPE/GRADE	DIAM./ THICK	CALIB BLOCK	COMMENTS
C05.011.264	2ND51-13	CN-2ND-051 CN-2561-1.1		PT	NDE-35	SS	08.00 00.322	-----	
C05.011.265	2ND97-05	CN-2ND-097 CN-2561-1.1		PT	NDE-35	SS	08.00 00.250	-----	REF. C05.012.087
C05.011.266	2ND97-07	CN-2ND-097 CN-2561-1.1		PT	NDE-35	SS	08.00 00.250	-----	REF. C05.012.088
C05.011.267	2ND97-14	CN-2ND-097 CN-2561-1.1		PT	NDE-35	SS	08.00 00.250	-----	REF. C05.012.089
C05.011.268	2ND97-19	CN-2ND-097 CN-2561-1.1		PT	NDE-35	SS	08.00 00.250	-----	
C05.011.312	2NI27-01	CN-2NI-027 CN-2562-1.2		PT	NDE-35	SS	08.00 00.250	-----	
C05.011.313	2NI27-02	CN-2NI-027 CN-2562-1.2		PT	NDE-35	SS	08.00 00.250	-----	REF. C05.012.206
C05.011.314	2NI27-03	CN-2NI-027 CN-2562-1.2		PT	NDE-35	SS	08.00 00.250	-----	REF. C05.012.206

ITEM NUMBER	ID. NUMBER	DRAWING NUMBERS	LOCS.	INSP REQ.	PROC. NUMBERS	MATERIAL TYPE/GRADE	DIAM./ THICK	CALIB BLOCK	COMMENTS
C05.011.315	2NI27-04	CN-2NI-027 CN-2562-1.2		PT	NDE-35	SS	08.00 00.250	-----	
C05.011.316	2NI27-12	CN-2NI-027 CN-2562-1.2		PT	NDE-35	SS	08.00 00.250	-----	REF. C05.012.207
C05.011.317	2NI35-04	CN-2NI-035 CN-2562-1.2		PT	NDE-35	SS	06.00 00.280	-----	REF. C05.012.208
C05.011.318	2NI35-10	CN-2NI-035 CN-2562-1.2		PT	NDE-35	SS	06.00 00.280	-----	
C05.011.319	2NI35-12	CN-2NI-035 CN-2562-1.2		PT	NDE-35	SS	08.00 00.250	-----	REF. C05.012.209
C05.011.402	2SM40-04	CN-2SM-040 CN-2593-1.0		MT	NDE-25	CS	06.00 00.432	-----	
C05.011.403	2SM51-01	CN-2SM-051 CN-2593-1.0		MT	NDE-25	CS	06.00 00.432	-----	
C05.011.404	2SM46-04	CN-2SM-046 CN-2593-1.0		MT	NDE-25	CS	06.00 00.432		SELECTION CRITERIA 5.2.5

ITEM NUMBER	ID. NUMBER	DRAWING NUMBERS	LOCS.	INSP REQ.	PROC. NUMBERS	MATERIAL TYPE/GRADE	DIAM./ THICK	CALIB BLOCK	COMMENTS
C05.011.405	2SM57-02	CN-2SM-057 CN-2593-1.0		MT	NDE-25	CS	06.00 00.432		SELECTION CRITERIA 5.2.5
C05.011.462	2SV15-02	CN-2SV-015 CN-2593-1.0		MT	NDE-25	CS	06.00 00.432	-----	SELECTION CRITERIA 5.2.4 REF. C05.012.306
C05.011.463	2SV15-03	CN-2SV-015 CN-2593-1.0		MT	NDE-25	CS	06.00 00.432	-----	SELECTION CRITERIA 5.2.4 REF. C05.012.306
C05.011.464	2SV15-05	CN-2SV-015 CN-2593-1.0		MT	NDE-25	CS	06.00 00.432	-----	SELECTION CRITERIA 5.2.4 REF. C05.012.307
C05.011.465	2SV15-06	CN-2SV-015 CN-2593-1.0		MT	NDE-25	CS	06.00 00.432	-----	SELECTION CRITERIA 5.2.4 REF. C05.013.307
C05.012.000	**LONGITUDINAL	WELDS********** **********		***	******	*****	__.__ __.__	*****	**********
C05.012.039	2ND20-05L	CN-2ND-020 CN-2561-1.1		PT	NDE-35	SS	08.00 00.250	-----	ELBOW LONG. SEAM WELD TO BE DONE WITH C05.011.195
C05.012.040	2ND20-08L	CN-2ND-020 CN-2561-1.1		PT	NDE-35	SS	08.00 00.250	-----	ELBOW LONG. SEAM WELD TO BE DONE WITH C05.011.196

ITEM NUMBER	ID. NUMBER	DRAWING NUMBERS	LOCS.	INSP REQ.	PROC. NUMBERS	MATERIAL TYPE/GRADE	DIAM./ THICK	CALIB BLOCK	COMMENTS
C05.012.041	2ND20-09L	CN-2ND-021 CN-2561-1.1		PT	NDE-35	SS	08.00 00.250	-----	ELBOW LONG. SEAM WELD TO BE DONE WITH C05.011.197
C05.012.045	2ND22-02L	CN-2ND-022 CN-2561-1.1		PT	NDE-35	SS	08.00 00.250	-----	TEE LONG. SEAM WELD TO BE DONE WITH C05.011.201
C05.012.046	2ND23-02L	CN-2ND-023 CN-2561-1.0		PT	NDE-35	SS	12.00 00.375	-----	ELBOW LONG. SEAM WELD TO BE DONE WITH C05.011.203
C05.012.047	2ND23-04L	CN-2ND-023 CN-2561-1.0		PT	NDE-35	SS	12.00 00.375	-----	TEE LONG. SEAM WELD TO BE DONE WITH C05.011.204/C05.011.205
C05.012.048	2ND23-09L	CN-2ND-023 CN-2561-1.0		PT	NDE-35	SS	12.00 00.375	-----	12X8 RED. LONG. SM. WD. TO BE DONE WITH C05.011.205/ C05.011.206
C05.012.049	2ND23-12L	CN-2ND-023 CN-2561-1.0		PT	NDE-35	SS	08.00 00.250	-----	TEE LONG. SEAM WELD TO BE DONE WITH C05.011.207
C05.012.050	2ND20-04L	CN-2ND-020 CN-2561-1.1		PT	NDE-35	SS	08.00 00.250	-----	ELBOW LONG. SEAM WELD TO BE DONE WITH C05.011.208
C05.012.051	2ND24-02L	CN-2ND-024 CN-2561-1.0		PT	NDE-35	SS	12.00 00.375	-----	ELBOW LONG. SEAM WELD TO BE DONE WITH C05.011.209

ITEM NUMBER	ID. NUMBER	DRAWING NUMBERS	LOCS.	INSP REQ.	PROC. NUMBERS	MATERIAL TYPE/GRADE	DIAM./ THICK	CALIB BLOCK	COMMENTS
C05.012.052	2ND24-04L	CN-2ND-024 CN-2561-1.0		PT	NDE-35	SS	12.00 00.375	-----	ELBOW LONG. SEAM WELD TO BE DONE WITH C05.011.210
C05.012.053	2ND24-06L	CN-2ND-024 CN-2561-1.0		PT	NDE-35	SS	12.00 00.375	-----	ELBOW LONG. SEAM WELD TO BE DONE WITH C05.011.211
C05.012.054	2ND24-08L	CN-2ND-024 CN-2561-1.0		PT	NDE-35	SS	12.00 00.375	-----	ELBOW LONG. SEAM WELD TO BE DONE WITH C05.011.212
C05.012.055	2ND25-10L	CN-2ND-025 CN-2561-1.0		PT	NDE-35	SS	08.00 00.250	-----	ELBOW LONG. SEAM WELD TO BE DONE WITH C05.011.216
C05.012.056	2ND25-19L	CN-2ND-025 CN-2561-1.0		PT	NDE-35	SS	14.00 00.438	-----	14X8 REDUCER LONG. SEAM WELD TO BE DONE WITH C05.011.217
C05.012.057	2ND26-16L	CN-2ND-C26 CN-2561-1.0		PT	NDE-35	SS	08.00 00.250	-----	ELBOW LONG. SEAM WELD TO BE DONE WITH C05.011.219
C05.012.058	2ND27-08L	CN-2ND-027 CN-2561-1.0		PT	NDE-35	SS	08.00 00.250	-----	ELBOW LONG. SEAM WELD TO BE DONE WITH C05.011.220
C05.012.059	2ND27-12L	CN-2ND-027 CN-2561-1.0		PT	NDE-35	SS	08.00 00.250	-----	ELBOW LONG. SEAM WELD TO BE DONE WITH C05.011.221

ITEM NUMBER	ID. NUMBER	DRAWING NUMBERS	LOCS.	INSP REQ.	PROC. NUMBERS	MATERIAL TYPE/GRADE	DIAM./ THICK	CALIB BLOCK	COMMENTS
C05.012.060	2ND28-16L	CN-2ND-028 CN-2561-1.0		PT	NDE-35	SS	08.00 00.250	-----	ELBOW LONG. SEAM WELD TO BE DONE WITH C05.011.223
C05.012.061	2ND30-01L	CN-2ND-030 CN-2561-1.1		PT	NDE-35	SS	12.00 00.375	-----	TEE LONG. SEAM WELD TO BE DONE WITH C05.011.224/C05.011.225
C05.012.063	2ND34-17L	CN-2ND-034 CN-2561-1.1		PT	NDE-35	SS	14.00 00.438	-----	14X8 REDUCER LONG. SEAM WELD TO BE DONE WITH C05.011.228
C05.012.064	2ND40-06L	CN-2ND-040 CN-2561-1.0		PT	NDE-35	SS	14.00 00.438	-----	ELBOW LONG. SEAM WELD TO BE DONE WITH C05.011.229
C05.012.065	2ND41-21L	CN-2ND-041 CN-2561-1.0		PT	NDE-35	SS	08.00 00.250	-----	ELBOW LONG. SEAM WELD TO BE DONE WITH C05.011.230
C05.012.066	2ND41-24L	CN-2ND-041 CN-2561-1.0		PT	NDE-35	SS	08.00 00.250	-----	TEE LONG. SEAM WELD TO BE DONE WITH C05.011.232/C05.011.233
C05.012.070	2ND43-04L	CN-2ND-043 CN-2561-1.0		PT	NDE-35	SS	08.00 00.250	-----	TEE LONG. SEAM WELD TO BE DONE WITH C05.011.238
C05.012.071	2ND43-05L	CN-2ND-043 CN-2561-1.0		PT	NDE-35	SS	08.00 00.250	-----	ELBOW LONG. SEAM WELD TO BE DONE WITH C05.011.239

ITEM NUMBER	ID. NUMBER	DRAWING NUMBERS	LOCS.	INSP REQ.	PROC. NUMBERS	MATERIAL TYPE/GRADE	DIAM./ THICK	CALIB BLOCK	COMMENTS
C05.012.072	2ND44-20L	CN-2ND-044 CN-2561-1.0		PT	NDE-35	SS	14.00 00.438	-----	14X8 REDUCER LONG. SEAM WELD TO BE DONE WITH C05.011.240
C05.012.073	2ND45-08L	CN-2ND-045 CN-2561-1.1		PT	NDE-35	SS	08.00 00.250	-----	ELBOW LONG. SEAM WELD TO BE DONE WITH C05.011.241
C05.012.074	2ND45-09L	CN-2ND-045 CN-2561-1.1		PT	NDE-35	SS	08.00 00.250	-----	ELBOW LONG. SEAM WELD TO BE DONE WITH C05.011.242
C05.012.075	2ND46-03L	CN-2ND-046 CN-2561-1.0		PT	NDE-35	SS	12.00 00.375	-----	EL. LONG. SEAM WELD TO BE DONE WITH C05.011.243/C05.011.244
C05.012.076	2ND46-05L	CN-2ND-046 CN-2561-1.0		PT	NDE-35	SS	12.00 00.375	-----	ELBOW LONG. SEAM WELD TO BE DONE WITH C05.011.245
C05.012.077	2ND46-07L	CN-2ND-046 CN-2561-1.0		PT	NDE-35	SS	12.00 00.375	-----	ELBOW LONG. SEAM WELD TO BE DONE WITH C05.011.246
C05.012.078	2ND48-10L	CN-2ND-048 CN-2561-1.1		PT	NDE-35	SS	08.00 00.250	-----	ELBOW LONG. SEAM WELD TO BE DONE WITH C05.011.249
C05.012.080	2ND48-14L	CN-2ND-048 CN-2561-1.1		PT	NDE-35	SS	08.00 00.250	-----	ELBOW LONG. SEAM WELD TO BE DONE WITH C05.011.250 / C05.011.251

ITEM NUMBER	ID. NUMBER	DRAWING NUMBERS	LOCS.	INSP REQ.	PROC. NUMBERS	MATERIAL TYPE/GRADE	DIAM./ THICK	CALIB BLOCK	COMMENTS
C05.012.081	2ND49-01L	CN-2ND-049 CN-2561-1.0		PT	NDE-35	SS	08.00 00.250	-----	ELBOW LONG. SEAM WELD TO BE DONE WITH C05.011.252
C05.012.082	2ND49-03L	CN-2ND-049 CN-2561-1.0		PT	NDE-35	SS	08.00 00.250	-----	ELBOW LONG. SEAM WELD TO BE DONE WITH C05.011.253
C05.012.083	2ND49-04L	CN-2ND-049 CN-2561-1.0		PT	NDE-35	SS	08.00 00.250	-----	ELBOW LONG. SEAM WELD TO BE DONE WITH C05.011.254
C05.012.084	2ND49-08L	CN-2ND-049 CN-2561-1.0		PT	NDE-35	SS	08.00 00.250	-----	ELBOW LONG. SEAM WELD TO BE DONE WITH C05.011.255
C05.012.085	2ND50-03L	CN-2ND-050 CN-2561-1.1		PT	NDE-35	SS	08.00 00.250	-----	ELBOW LONG. SEAM WELD TO BE DONE WITH C05.011.258
C05.012.086	2ND50-18L	CN-2ND-050 CN-2561-1.1		PT	NDE-35	SS	08.00 00.322	-----	ELBOW LONG. SEAM WELD TO BE DONE WITH C05.011.260
C05.012.087	2ND97-05L	CN-2ND-097 CN-2561-1.1		PT	NDE-35	SS	08.00 00.250	-----	ELBOW LONG. SEAM WELD TO BE DONE WITH C05.011.265
C05.012.088	2ND97-07L	CN-2ND-097 CN-2561-1.1		PT	NDE-35	SS	08.00 00.250	-----	TEE LONG. SEAM WELD TO BE DONE WITH C05.011.266

ITEM NUMBER	ID. NUMBER	DRAWING NUMBERS	LOCS.	INSP REQ.	PROC. NUMBERS	MATERIAL TYPE/GRADE	DIAM./ THICK	CALIB BLOCK	COMMENTS
C05.012.089	2ND97-14L	CN-2ND-097 CN-2561-1.1		PT	NDE-35	SS	08.00 00.250	-----	ELBOW LONG. SEAM WELD TO BE DONE WITH C05.011.267
C05.012.200	2NI19-05L	CN-2NI-019 CN-2562-1.2		PT	NDE-35	SS	06.00 00.280	-----	ELBOW LONG. SEAM WELD TO BE DONE WITH C05.011.302
C05.012.206	2NI27-02L	CN-2NI-027 CN-2562-1.2		PT	NDE-35	SS	08.00 00.250	-----	EL. LONG. SEAM WELD TO BE DONE WITH C05.011.313/C05.011.314
C05.012.207	2NI27-12L	CN-2NI-027 CN-2562-1.2		PT	NDE-35	SS	08.00 00.250	-----	ELBOW LONG. SEAM WELD TO BE DONE WITH C05.011.316
C05.012.208	2NI35-04L	CN-2NI-035 CN-2562-1.2		PT	NDE-35	SS	06.00 00.280	-----	ELBOW LONG. SEAM WELD TO BE DONE WITH C05.011.317
C05.012.209	2NI35-12L	CN-2NI-035 CN-2562-1.2		PT	NDE-35	SS	08.00 00.250	-----	TEE LONG. SEAM WELD TO BE DONE WITH C05.011.319
C05.012.306	2SV15-02L	CN-2SV-015 CN-2593-1.0		MT	NDE-25	CS	06.00 00.432	-----	EL. LONG. SEAM WELD TO BE DONE WITH C05.011.462/C05.011.463
C05.012.307	2SV15-05L	CN-2SV-015 CN-2593-1.0		MT	NDE-25	CS	06.00 00.432	-----	EL. LONG. SEAM WELD TO BE DONE WITH C05.011.464/C05.011.465

ITEM NUMBER	ID. NUMBER	DRAWING NUMBERS	LOCS.	INSP REQ.	PROC. NUMBERS	MATERIAL TYPE/GRADE	DIAM./ THICK	CALIB BLOCK	COMMENTS
C05.020.000	********PIPING	WELDS********** **********		***	*******	*****	__.__ __.__	*****	GREATER THAN 1/2" NOMINAL WALL THICKNESS**********
C05.021.000	**********	CIRCUMFERENTIAL***** WELDS**********		***	*******	*****	__.__ __.__	*****	********** **********
C05.021.003	2CA93-01	CN-2CA-093 CN-2592-1.1		UT	NDE-600	CS	06.00 00.562	50355	TERMINAL END AUX FEEDWATER SG2C (6 INCH XXS CAL.BLK.USED TO COVER THICKNESS RANGE)
C05.021.003A	2CA93-01	CN-2CA-093 CN-2592-1.1		MT	NDE-25	CS	06.00 00.562	-----	TERMINAL END AUX FEEDWATER SG2C
C05.021.004	2CA97-01	CN-2CA-097 CN-2592-1.1		UT	NDE-600	CS	06.00 00.562	50355	TERMINAL END AUX FEEDWATER SG2A (6 INCH XXS CAL.BLK.USED TO COVER THICKNESS RANGE)
C05.021.004A	2CA97-01	CN-2CA-097 CN-2592-1.1		MT	NDE-25	CS	06.00 00.562	-----	TERMINAL END AUX FEEDWATER SG2A
C05.021.051	2CF38-01	CN-2CF-038 CN-2591-1.1		UT	NDE-600	CS	18.00 00.938	50330	---------- ----------
C05.021.051A	2CF38-01	CN-2CF-038 CN-2591-1.1		MT	NDE-25	CS	18.00 00.938	-----	---------- ---------- ADDED PER IWC-2430(A) RF04 ADDED PER IWC-2430(A)

ITEM NUMBER	ID. NUMBER	DRAWING NUMBERS	LOCS.	INSP REQ.	PROC. NUMBERS	MATERIAL TYPE/GRADE	DIAM./ THICK	CALIB BLOCK	COMMENTS
C05.021.052	2CF-10-C	CN-2CF-038 CN-2591-1.1		UT	NDE-600	CS	18.00 00.938	50330	
C05.021.052A	2CF-10-C	CN-2CF-038 CN-2591-1.1		MT	NDE-25	CS	18.00 00.938	-----	ADDED PER IWC-2430(A) RF04 ADDED PER IWC-2430(A)
C05.021.247	2NI93-14	CN-2NI-093 CN-2562-1.2		UT	NDE-600	SS	08.00 00.906	50311	
C05.021.247A	2NI93-14	CN-2NI-093 CN-2562-1.2		PT	NDE-35	SS	08.00 00.906	-----	
C05.021.248	2NI93-16	CN-2NI-093 CN-2562-1.2		UT	NDE-600	SS	08.00 00.906	50311	
C05.021.248A	2NI93-16	CN-2NI-093 CN-2562-1.2		PT	NDE-35	SS	08.00 00.906	-----	
C05.021.249	2NI95-01	CN-2NI-095 CN-2562-1.2		UT	NDE-600	SS	08.00 00.906	50311	
C05.021.249A	2NI95-01	CN-2NI-095 CN-2562-1.2		PT	NDE-35	SS	08.00 00.906	-----	

ITEM NUMBER	ID. NUMBER	DRAWING NUMBERS	LOCS.	INSP REQ.	PROC. NUMBERS	MATERIAL TYPE/GRADE	DIAM./ THICK	CALIB BLOCK	COMMENTS
C05.021.250	2NI95-03	CN-2NI-095 CN-2562-1.2		UT	NDE-600	SS	08.00 00.906	50311	
C05.021.250A	2NI95-03	CN-2NI-095 CN-2562-1.2		PT	NDE-35	SS	08.00 00.906	-----	
C05.021.251	2NI144-02	CN-2NI-144 CN-2562-1.3		UT	NDE-600	SS	06.00 00.719	50308	
C05.021.251A	2NI144-02	CN-2NI-144 CN-2562-1.3		PT	NDE-35	SS	06.00 00.719	-----	
C05.021.252	2NI144-04	CN-2NI-144 CN-2562-1.3		UT	NDE-600	SS	06.00 00.719	50308	
C05.021.252A	2NI144-04	CN-2NI-144 CN-2562-1.3		PT	NDE-35	SS	06.00 00.719	-----	
C05.021.253	2NI144-05	CN-2NI-144 CN-2562-1.3		UT	NDE-600	SS	06.00 00.719	50308	
C05.021.253A	2NI144-05	CN-2NI-144 CN-2562-1.3		PT	NDE-35	SS	06.00 00.719	-----	

ITEM NUMBER	ID. NUMBER	DRAWING NUMBERS	LOCS.	INSP REQ.	PROC. NUMBERS	MATERIAL TYPE/GRADE	DIAM./ THICK	CALIB BLOCK	COMMENTS
C05.021.422	2SM-8A-B	CN-2SM-057 CN-2593-1.0		UT	NDE-600	CS	10.00 01.500	50356	GRINNELL PIECE MARK CW-SM-8A WELD B(REF. TECH. DOC. #90-1)
C05.021.422A	2SM-8A-B	CN-2SM-057 CN-2593-1.0		MT	NDE-25	CS	10.00 01.500		GRINNELL PIECE MARK CW-SM-8A WELD B
C05.021.423	2SM-8A-F	CN-2SM-057 CN-2593-1.0		UT	NDE-600	CS	10.00 01.500	50356	GRINNELL PIECE MARK CW-SM-8A WELD F(REF. TECH. DOC. #90-1)
C05.021.423A	2SM-8A-F	CN-2SM-057 CN-2593-1.0		MT	NDE-25	CS	10.00 01.500	-----	GRINNELL PIECE MARK CW-SM-8A WELD F
C05.021.424	2SM-8A-C	CN-2SM-057 CN-2593-1.0		UT	NDE-600	CS	10.00 01.500	50356	GRINNELL PIECE MARK CW-SM-8A WELD C(REF. TECH. DOC. #90-1)
C05.021.424A	2SM-8A-C	CN-2SM-057 CN-2593.1.0		MT	NDE-25	CS	10.00 01.500		GRINNELL PIECE MARK CW-SM-8A WELD C
C05.021.425	2SM-8A-D	CN-2SM-057 CN-2593-1.0		UT	NDE-600	CS	10.00 01.500	50356	GRINNELL PIECE MARK CW-SM-8A WELD D(REF. TECH. DOC. #90-1)
C05.021.425A	2SM-8A-D	CN-2SM-057 CN-2593-1.0		MT	NDE-25	CS	10.00 01.500		GRINNELL PIECE MARK CW-SM-8A WELD D

ITEM NUMBER	ID. NUMBER	DRAWING NUMBERS	LOCS.	INSP REQ.	PROC. NUMBERS	MATERIAL TYPE/GRADE	DIAM./ THICK	CALIB BLOCK	COMMENTS
C05.021.467	2SV19-03	CN-2SV-019 CN-2593-1.0		UT	NDE-600	CS	09.00 01.500	50356	
C05.021.467A	2SV19-03	CN-2SV-019 CN-2593-1.0		MT	NDE-25	CS	09.00 01.500	-----	
C05.022.000	**LONGITUDINAL	WELDS********** **********		***	*******	*****	__.__ __.__	*****	**********

ITEM NUMBER	ID. NUMBER	DRAWING NUMBERS	LOCS.	INSP REQ.	PROC. NUMBERS	MATERIAL TYPE/GRADE	DIAM./ THICK	CALIB BLOCK	COMMENTS
C06.000.000	******PRESSURE	RETAINING WELD IN PUMP AND VALVES*****		***	*******	*****	__.__ __.__	*****	********** **********
C06.020.000	*********VALVE	BODY WELDS********* **********		***	*******	*****	__.__ __.__	*****	********** **********
C06.020.022	2NI136B	CN-2NI-035 CNM 1205.00-207		PT	NDE-35	SS	08.00 01.750	-----	VALVE BODY TO BONNET
C06.020.040	2SA1	CN-2SA-001 CNM 1205.00-117		MT	NDE-25	CS	06.00 01.164		VALVE BODY TO BONNET
C06.020.060	2SV14	CN-2SV-010 CNM 1205.09-02		PT	NDE-35	CS/SS	09.00 01.500	-----	WELD 1AD VALVE INLET NECK TO BASE
C06.020.061	2SV15	CN-2SV-010 CNM 1205.09-02		PT	NDE-35	CS/SS	09.00 01.500	-----	WELD 1AD VALVE INLET NECK TO BASE
C06.020.062	2SV16	CN-2SV-010 CNM 1205.09-02		PT	NDE-35	CS/SS	09.00 01.500	-----	WELD 1AD VALVE INLET NECK TO BASE
C06.020.063	2SV17	CN-2SV-010 CNM 1205.09-02		PT	NDE-35	CS/SS	09.00 01.500	-----	WELD 1AD VALVE INLET NECK TO BASE

ITEM NUMBER	ID. NUMBER	DRAWING NUMBERS	LOCS.	INSP REQ.	PROC. NUMBERS	MATERIAL TYPE/GRADE	DIAM./ THICK	CALIB BLOCK	COMMENTS
C06.020.064	2SV18	CN-2SV-010 CNM 1205.09-02		PT	NDE-35	CS/SS	09.00 01.500	-----	WELD 1AD VALVE INLET NECK TO BASE
C06.020.065	2SV20	CN-2SV-018 CNM 1205.09-02		PT	NDE-35	CS/SS	09.00 01.500	-----	WELD 1AD VALVE INLET NECK TO BASE
C06.020.066	2SV21	CN-2SV-018 CNM 1205.09-02		PT	NDE-35	CS/SS	09.00 01.500	-----	WELD 1AD VALVE INLET NECK TO BASE
C06.020.067	2SV22	CN-2SV-018 CNM 1205.09-02		PT	NDE-35	CS/SS	09.00 01.500	-----	WELD 1AD VALVE INLET NECK TO BASE
C06.020.068	2SV23	CN-2SV-018 CNM 1205.09-02		PT	NDE-35	CS/SS	09.00 01.500	-----	WELD 1AD VALVE INLET NECK TO BASE
C06.020.069	2SV24	CN-2SV-018 CNM 1205.09-02		PT	NDE-35	CS/SS	09.00 01.500	-----	WELD 1AD VALVE INLET NECK TO BASE

ITEM NUMBER	ID. NUMBER	DRAWING NUMBERS	LOCS.	INSP REQ.	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

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

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-GO
D01.011.000	********SYSTEM	INSERVICE TEST****** **********		***	*******	*****	__.__ __.__	*****	REF.PRESSURE TEST PROGRAM MAINTAINED BY QATS-GO
D01.012.000	********SYSTEM	HYDROSTATIC TEST**** **********		***	*******	*****	__.__ __.__	*****	REF. PRESSURE TEST PROGRAM MAINTAINED BY QATS-GO

ITEM NUMBER	ID. NUMBER	DRAWING NUMBERS	LOCS.	INSP REQ.	PROC. 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	2-R-KC-0054	CN-2492-KC-095 ----------		VT3	QAL-14	CS	00.750	-----	WELD NUMBERS 3-6 TO BE DONE WITH F1.03.427
D02.020.004	2-R-KC-0313	CN-2492-KC-090		VT3	QAL-13	CS	00.750	-----	WELD NUMBERS 5-12 TO BE DONE WITH F1.03.422
D02.020.022	2-R-RN-0226	CN-2493-RN-001 ----------		VT3	QAL-14	CS	00.750	-----	WELD NUMBERS 1-8 TO BE DONE WITH F1.03.879
D02.020.023	2-R-RN-0239	CN-2493-RN-029 ----------		VT3	QAL-14	CS	00.750	-----	WELD NUMBERS 1-8 TO BE DONE WITH F1.03.893

ITEM NUMBER	ID. NUMBER	DRAWING NUMBERS	LOCS.	INSP REQ.	PROC. NUMBERS	MATERIAL TYPE/GRADE	DIAM./ THICK	CALIB BLOCK	COMMENTS
D02.020.C31	2-R-SA-0008	CN-2492-SA-001		VT3	QAL-14	CS	00.750		WELD NUMBERS 5-12 TO BE DONE WITH F1.03.931

ITEM NUMBER	ID. NUMBER	DRAWING NUMBERS	LOCS.	INSP REQ.	PROC. 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-GO
D03.011.000	********SYSTEM	INSERVICE TEST****** **********		***	*******	*****	__.__ __.__	*****	REF. PRESSURE TEST PROGRAM MAINTAINED BY QATS-GO
D03.012.000	********SYSTEM	HYDROSTATIC TEST**** **********		***	*******	*****	__.__ __.__	*****	REF. PRESSURE TEST PROGRAM MAINTAINED BY QATS-GO

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********** **********		***	*******	*****	__.__ __.__	*****	********** **********
F1.01.133	2-R-NC-1039	CN-2491-NC-072		VT	QAL-14	-----	03.00 __.__	-----	RIGID SUPPORT
F1.01.148	2-R-NC-1695	CN-2491-NC-098		VT	QAL-14	-----	03.00 __.__	-----	MECHANICAL SNUBBER
F1.01.149	2-R-NC-1696	CN-2491-NC-098		VT	QAL-14	-----	03.00 __.__	-----	MECHANICAL SNUBBER
F1.01.150	2-R-NC-1697	CN-2491-NC-098		VT	QAL-14	-----	03.00 __.__	-----	CONSTANT SUPPORT
F1.01.151	2-R-NC-1698	CN-2491-NC-098		VT	QAL-14	-----	03.00 __.__	-----	MECHANICAL SNUBBER (2)
F1.01.152	2-R-NC-1687	CN-2491-NC-099		VT	QAL-14	-----	03.00 __.__	-----	MECHANICAL SNUBBER
F1.01.153	2-R-NC-1688	CN-2491-NC-099		VT	QAL-14	-----	03.00 __.__	-----	MECHANICAL SNUBBER

ITEM NUMBER	ID. NUMBER	DRAWING NUMBERS	LOCS.	INSP REQ.	PROC. NUMBERS	MATERIAL TYPE/GRADE	DIAM./ THICK	CALIB BLOCK	COMMENTS
F1.01.154	2-R-NC-1689	CN-2491-NC-099		VT	QAL-14	-----	03.00	-----	CONSTANT SUPPORT
F1.01.155	2-R-NC-1690	CN-2491-NC-099		VT	QAL-14	-----	03.00	-----	MECHANICAL SNUBBER (2)
F1.01.156	2-R-NC-1691	CN-2491-NC-099		VT	QAL-14	-----	04.00	-----	MECHANICAL SNUBBER
F1.01.157	2-R-NC-1693	CN-2491-NC-099		VT	QAL-14	-----	06.00	-----	MECHANICAL SNUBBER
F1.01.158	2-R-NC-1694	CN-2491-NC-099		VT	QAL-14	-----	03.00	-----	CONSTANT SUPPORT
F1.01.159	2-R-NC-1699	CN-2491-NC-099		VT	QAL-14	-----	03.00	-----	MECHANICAL SNUBBER (2)
F1.01.160	2-R-NC-1700	CN-2491-NC-099		VT	QAL-14	-----	04.00	-----	MECHANICAL SNUBBER
F1.01.161	2-R-NC-1705	CN-2491-NC-099		VT	QAL-14	-----	04.00	-----	MECHANICAL SNUBBER (2)

ITEM NUMBER	ID. NUMBER	DRAWING NUMBERS	LOCS.	INSP REQ.	PROC. NUMBERS	MATERIAL TYPE/GRADE	DIAM./ THICK	CALIB BLOCK	COMMENTS
F1.01.162	2-R-NC-1707	CN-2491-NC-099		VT	QAL-14	-----	03.00	-----	MECHANICAL SNUBBER (2)
F1.01.163	2-R-NC-1674	CN-2491-NC-109		VT	QAL-14	-----	06.00	-----	MECHANICAL SNUBBER
F1.01.164	2-R-NC-1675	CN-2491-NC-109		VT	QAL-14	-----	06.00	-----	MECHANICAL SNUBBER(2)
F1.01.165	2-R-NC-1667	CN-2491-NC-110		VT	QAL-14	-----	06.00	-----	MECHANICAL SNUBBER
F1.01.166	2-R-NC-1670	CN-2491-NC-110		VT	QAL-14	-----	06.00	-----	MECHANICAL SNUBBER (2)
F1.01.167	2-R-NC-1671	CN-2491-NC-110		VT	QAL-14	-----	06.00	-----	MECHANICAL SNUBBER (2)
F1.01.168	2-R-NC-1672	CN-2491-NC-110		VT	QAL-14	-----	06.00	-----	MECHANICAL SNUBBER
F1.01.169	2-R-NC-1680	CN-2491-NC-111		VT	QAL-14	-----	06.00	-----	MECHANICAL SNUBBER (2)

ITEM NUMBER	ID. NUMBER	DRAWING NUMBERS	LOCS.	INSP REQ.	PROC. NUMBERS	MATERIAL TYPE/GRADE	DIAM./ THICK	CALIB BLOCK	COMMENTS
F1.01.170	2-R-NC-1681	CN-2491-NC-111		VT	QAL-14	-----	06.00	-----	MECHANICAL SNUBBER (2)
F1.01.171	2-R-NC-1500	CN-2491-NC-160		VT	QAL-14	-----	14.00	-----	MECHANICAL SNUBBER
F1.01.172	2-R-NC-1501	CN-2491-NC-160		VT	QAL-14	-----	14.00	-----	RIGID SUPPORT
F1.01.173	2-R-NC-1502	CN-2491-NC-160		VT	QAL-14	-----	14.00	-----	SPRING HANGER
F1.01.174	2-R-NC-1998	CN-2491-NC-174		VT	QAL-14		03.00		RIGID SUPPORT RPV HEAD VENT MODIFICATION
F1.01.175	2-R-NC-1999	CN-2491-NC-174		VT	QAL-14		03.00		RIGID SUPPORT RPV HEAD VENT MODIFICATION
F1.01.176	2-R-NC-2000	CN-2491-NC-174		VT	QAL-14		03.00		RIGID SUPPORT RPV HEAD VENT MODIFICATION
F1.01.177	2-R-NC-2002	CN-2491-NC-009		VT	QAL-14	SS	02.00		RIGID SUPPORT

ITEM NUMBER	ID. NUMBER	DRAWING NUMBERS	LOCS.	INSP REQ.	PROC. NUMBERS	MATERIAL TYPE/GRADE	DIAM./ THICK	CALIB BLOCK	COMMENTS
F1.01.178	2-R-NC-2003	CN-2491-NC-020		VT	QAL-14	SS	02.00		RIGID SUPPORT
F1.01.179	2-R-NC-2004	CN-2491-NC-020		VT	QAL-14	SS	02.00		RIGID SUPPORT
F1.01.180	2-R-NC-2005	CN-2491-NC-009		VT	QAL-14	SS	02.00		RIGID SUPPORT
F1.01.485	2-R-NI-1008	CN-2491-NI-118		VT	QAL-14	-----	10.00	-----	SPRING HANGER
F1.01.486	2-R-NI-1009	CN-2491-NI-118		VT	QAL-14	-----	06.00	-----	SPRING HANGER
F1.01.489	2-R-NI-1012	CN-2491-NI-118		VT	QAL-14	-----	06.00	-----	RIGID SUPPORT
F1.01.490	2-R-NI-1014	CN-2491-NI-118		VT	QAL-14	-----	06.00	-----	RIGID SUPPORT
F1.01.707	2RCPA-COLUMNS	CN-1070-9		VT	QAL-14	-----		-----	REACTOR COOLANT PUMP SUPPORT COLUMNS (3 ASSEMBLIES)

ITEM NUMBER	ID. NUMBER	DRAWING NUMBERS	LOCS.	INSP REQ.	PROC. NUMBERS	MATERIAL TYPE/GRADE	DIAM./ THICK	CALIB BLOCK	COMMENTS
F1.01.708	2RCPD-SUPPORT	CN-1070-8		VT	QAL-14	-----	__.__	-----	REACTOR COOLANT PUMP LATERAL SUPPORT
F1.02.000	*******CLASS 2	SUPPORTS********** **********		***	*******	*****	__.__	*****	********** **********
F1.02.055	2-R-CA-1035	CN-2491-CA-014		VT	QAL-14	-----	06.00	-----	CONSTANT SUPPORT
F1.02.058	2-R-CA-1018	CN-2491-CA-015		VT	QAL-14	-----	06.00	-----	RIGID SUPPORT
F1.02.059	2-R-CA-1019	CN-2491-CA-015		VT	QAL-14	-----	06.00	-----	RIGID SUPPORT
F1.02.061	2-R-CA-1021	CN-2491-CA-015		VT	QAL-14	-----	06.00	-----	RIGID SUPPORT
F1.02.063	2-R-CA-1023	CN-2491-CA-015		VT	QAL-14	-----	06.00	-----	RIGID SUPPORT
F1.02.065	2-R-CA-1025	CN-2491-CA-015		VT	QAL-14	-----	06.00	-----	CONSTANT SUPPORT

ITEM NUMBER	ID. NUMBER	DRAWING NUMBERS	LOCS.	INSP REQ.	PROC. NUMBERS	MATERIAL TYPE/GRADE	DIAM./ THICK	CALIB BLOCK	COMMENTS
F1.02.067	2-R-CA-1027	CN-2491-CA-015		VT	QAL-14	-----	06.00	-----	RIGID SUPPORT
F1.02.068	2-R-CA-1688	CN-2491-CA-002		VT	QAL-14	CS	06.00		MECHANICAL SNUBBER
F1.02.173	2-R-CF-1004	CN-2491-CF-006		VT	QAL-14	-----	18.00	-----	SPRING HANGER (2)
F1.02.403	2-R-ND-0257	CN-2492-ND-020		VT	QAL-14	-----	08.00	-----	RIGID SUPPORT
F1.02.404	2-R-ND-0259	CN-2492-ND-020		VT	QAL-14	-----	08.00	-----	MECHANICAL SNUBBER
F1.02.409	2-R-ND-0456	CN-2492-ND-021		VT	QAL-14	-----	08.00	-----	MECHANICAL SNUBBER
F1.02.410	2-R-ND-0255	CN-2492-ND-022		VT	QAL-14	-----	08.00	-----	SPRING HANGER
F1.02.411	2-R-ND-0256	CN-2492-ND-022		VT	QAL-14	-----	08.00	-----	MECHANICAL SNUBBER

ITEM NUMBER	ID. NUMBER	DRAWING NUMBERS	LOCS.	INSP REQ.	PROC. NUMBERS	MATERIAL TYPE/GRADE	DIAM./ THICK	CALIB BLOCK	COMMENTS
F1.02.415	2-R-ND-0254	CN-2492-ND-024		VT	QAL-14	-----	08.00	-----	SPRING HANGER
F1.02.416	2-R-ND-0270	CN-2492-ND-025		VT	QAL-14	-----	08.00	-----	MECHANICAL SNUBBER
F1.02.417	2-R-ND-0457	CN-2492-ND-025		VT	QAL-14	-----	08.00	-----	MECHANICAL SNUBBER (3)
F1.02.418	2-R-ND-0319	CN-2492-ND-026		VT	QAL-14	-----	08.00	-----	RIGID SUPPORT
F1.02.421	2-R-ND-0322	CN-2492-ND-026		VT	QAL-14	-----	08.00	-----	RIGID SUPPORT
F1.02.428	2-R-ND-0263	CN-2492-ND-027		VT	QAL-14	-----	08.00	-----	MECHANICAL SNUBBER
F1.02.431	2-R-ND-0266	CN-2492-ND-027		VT	QAL-14	-----	08.00	-----	RIGID SUPPORT
F1.02.432	2-R-ND-0281	CN-2492-ND-028		VT	QAL-14	-----	08.00	-----	RIGID SUPPORT

ITEM NUMBER	ID. NUMBER	DRAWING NUMBERS	LOCS.	INSP REQ.	PROC. NUMBERS	MATERIAL TYPE/GRADE	DIAM./ THICK	CALIB BLOCK	COMMENTS
F1.02.433	2-R-ND-0468	CN-2492-ND-028		VT	QAL-14	-----	08.00	-----	RIGID SUPPORT
F1.02.434	2-R-ND-0273	CN-2492-ND-029		VT	QAL-14	-----	08.00	-----	MECHANICAL SNUBBER
F1.02.435	2-R-ND-0274	CN-2492-ND-029		VT	QAL-14	-----	08.00	-----	RIGID SUPPORT
F1.02.436	2-R-ND-0275	CN-2492-ND-029		VT	QAL-14	-----	08.00	-----	RIGID SUPPORT
F1.02.440	2-R-ND-0373	CN-2492-ND-029		VT	QAL-14	-----	08.00	-----	RIGID SUPPORT
F1.02.441	2-R-ND-0467	CN-2492-ND-029		VT	QAL-14	-----	08.00	-----	MECHANICAL SNUBBER
F1.02.447	2-R-ND-0140	CN-2492-ND-031		VT	QAL-14	-----	12.00	-----	RIGID SUPPORT
F1.02.448	2-R-ND-0141	CN-2492-ND-031		VT	QAL-14	-----	12.00	-----	RIGID SUPPORT

ITEM NUMBER	ID. NUMBER	DRAWING NUMBERS	LOCS.	INSP REQ.	PROC. NUMBERS	MATERIAL TYPE/GRADE	DIAM./ THICK	CALIB BLOCK	COMMENTS
F1.02.449	2-R-ND-0246	CN-2492-ND-031		VT	QAL-14	-----	12.00	-----	RIGID SUPPORT
F1.02.450	2-R-ND-0496	CN-2492-ND-031		VT	QAL-14	-----	12.00	-----	RIGID SUPPORT
F1.02.451	2-R-ND-0247	CN-2492-ND-032		VT	QAL-14	-----	08.00	-----	RIGID SUPPORT
F1.02.452	2-R-ND-0248	CN-2492-ND-032		VT	QAL-14	-----	08.00	-----	RIGID SUPPORT
F1.02.453	2-R-ND-0316	CN-2492-ND-032		VT	QAL-14	-----	08.00	-----	SPRING HANGER
F1.02.454	2-R-ND-0317	CN-2492-ND-032		VT	QAL-14	-----	08.00	-----	SPRING HANGER(2)
F1.02.455	2-R-ND-0318	CN-2492-ND-032		VT	QAL-14	-----	08.00	-----	RIGID SUPPORT
F1.02.456	2-R-ND-0328	CN-2492-ND-032		VT	QAL-14	-----	08.00	-----	RIGID SUPPORT

ITEM NUMBER	ID. NUMBER	DRAWING NUMBERS	LOCS.	INSP REQ.	PROC. NUMBERS	MATERIAL TYPE/GRADE	DIAM./ THICK	CALIB BLOCK	COMMENTS
F1.02.457	2-R-ND-0329	CN-2492-ND-032		VT	QAL-14	-----	08.00	-----	RIGID SUPPORT
F1.02.458	2-R-ND-0330	CN-2492-ND-032		VT	QAL-14	-----	08.00	-----	RIGID SUPPORT
F1.02.459	2-R-ND-0331	CN-2492-ND-032		VT	QAL-14	-----	08.00	-----	RIGID SUPPORT
F1.02.460	2-R-ND-0312	CN-2492-ND-033		VT	QAL-14	-----	08.00	-----	RIGID SUPPORT
F1.02.461	2-R-ND-0313	CN-2492-ND-033		VT	QAL-14	-----	08.00	-----	RIGID SUPPORT
F1.02.463	2-R-ND-0315	CN-2492-ND-033		VT	QAL-14	-----	08.00	-----	RIGID SUPPORT
F1.02.464	2-R-ND-0212	CN-2492-ND-034		VT	QAL-14	-----	14.00	-----	RIGID SUPPORT
F1.02.465	2-R-ND-0213	CN-2492-ND-034		VT	QAL-14	-----	14.00	-----	SPRING HANGER

ITEM NUMBER	ID. NUMBER	DRAWING NUMBERS	LOCS.	INSP REQ.	PROC. NUMBERS	MATERIAL TYPE/GRADE	DIAM./ THICK	CALIB BLOCK	COMMENTS
F1.02.466	2-R-ND-0361	CN-2492-ND-035		VT	QAL-14	-----	08.00	-----	RIGID SUPPORT
F1.02.467	2-R-ND-0362	CN-2492-ND-035		VT	QAL-14	-----	08.00	-----	RIGID SUPPORT
F1.02.468	2-R-ND-0363	CN-2492-ND-035		VT	QAL-14	-----	08.00	-----	SPRING HANGER
F1.02.469	2-R-ND-0365	CN-2492-ND-035		VT	QAL-14	-----	08.00	-----	MECHANICAL SNUBBER
F1.02.470	2-R-ND-0366	CN-2492-ND-035		VT	QAL-14	-----	08.00	-----	RIGID SUPPORT
F1.02.471	2-R-ND-0348	CN-2492-ND-036		VT	QAL-14	-----	12.00	-----	RIGID SUPPORT
F1.02.472	2-R-ND-0349	CN-2492-ND-036		VT	QAL-14	-----	12.00	-----	RIGID SUPPORT
F1.02.612	2-R-NI-1518	CN-2492-NI-086		VT	QAL-14	-----	12.00	-----	RIGID SUPPORT

ITEM NUMBER	ID. NUMBER	DRAWING NUMBERS	LOCS.	INSP REQ.	PROC. NUMBERS	MATERIAL TYPE/GRADE	DIAM./ THICK	CALIB BLOCK	COMMENTS
F1.02.613	2-R-NI-1519	CN-2492-NI-086		VT	QAL-14	-----	12.00	-----	RIGID SUPPORT
F1.02.614	2-R-NI-1521	CN-2492-NI-086		VT	QAL-14	-----	12.00	-----	RIGID SUPPORT
F1.02.615	2-R-NI-0166	CN-2492-NI-116		VT	QAL-14	-----	08.00	-----	RIGID SUPPORT
F1.02.859	2-R-SM-1012	CN-2491-SM-010		VT	QAL-14	-----	42.00	-----	CONSTANT SUPPORT
F1.02.869	2-R-SM-1022	CN-2491-SM-011		VT	QAL-14	-----	42.00	-----	CONSTANT SUPPORT
F1.02.877	2-R-SM-1030	CN-2491-SM-012		VT	QAL-14	-----	42.00	-----	MECHANICAL SNUBBER
F1.02.878	2-R-SM-1031	CN-2491-SM-012		VT	QAL-14	-----	42.00	-----	MECHANICAL SNUBBER
F1.02.879	2-R-SM-1032	CN-2491-SM-012		VT	QAL-14	-----	42.00	-----	CONSTANT SUPPORT

ITEM NUMBER	ID. NUMBER	DRAWING NUMBERS	LOCS.	INSP REQ.	PROC. NUMBERS	MATERIAL TYPE/GRADE	DIAM./ THICK	CALIB BLOCK	COMMENTS
F1.02.880	2-R-SM-1033	CN-2491-SM-012		VT	QAL-14	-----	42.00	-----	MECHANICAL SNUBBER
F1.02.881	2-R-SM-1034	CN-2491-SM-012		VT	QAL-14	-----	42.00	-----	MECHANICAL SNUBBER
F1.02.882	2-R-SM-1035	CN-2491-SM-012		VT	QAL-14	-----	42.00	-----	MECHANICAL SNUBBER
F1.02.883	2-R-SM-1036	CN-2491-SM-012		VT	QAL-14	-----	42.00	-----	SPRING HANGER (2)
F1.02.884	2-R-SM-1037	CN-2491-SM-012		VT	QAL-14	-----	42.00	-----	RIGID SUPPORT
F1.02.885	2-R-SM-1038	CN-2491-SM-012		VT	QAL-14	-----	34.00	-----	MECHANICAL SNUBBER
F1.02.886	2-R-SM-1039	CN-2491-SM-012		VT	QAL-14	-----	34.00	-----	RIGID SUPPORT
F1.02.945	2-R-SV-1589	CN-2491-SV-008		VT	QAL-14	-----	06.00	-----	RIGID SUPPORT

ITEM NUMBER	ID. NUMBER	DRAWING NUMBERS	LOCS.	INSP REQ.	PROC. NUMBERS	MATERIAL TYPE/GRADE	DIAM./ THICK	CALIB BLOCK	COMMENTS
F1.02.947	2-R-SV-1591	CN-2491-SV-008		VT	QAL-14	-----	06.00	-----	RIGID SUPPORT
F1.02.948	2-R-SV-1592	CN-2491-SV-008		VT	QAL-14	-----	06.00	-----	RIGID SUPPORT
F1.02.976	2ACCB-SKIRT	CN-2562-1.1 CNM 1201.04-151		VT	QAL-14	-----	__.__	-----	SAF. INJ. ACCUMULATOR TANK 2B SUPPORT SKIRT
F1.03.000	*******CLASS 3	SUPPORTS********** **********		***	*******	*****	__.__	*****	**********
F1.03.118	2-R-CA-0231	CN-2492-CA-047		VT	QAL-14	-----	04.00	-----	RIGID SUPPORT
F1.03.119	2-R-CA-0232	CN-2492-CA-047		VT	QAL-14	-----	04.00	-----	RIGID SUPPORT
F1.03.120	2-R-CA-0241	CN-2492-CA-048		VT	QAL-14	-----	04.00	-----	RIGID SUPPORT
F1.03.121	2-R-CA-0244	CN-2492-CA-048		VT	QAL-14	-----	04.00	-----	RIGID SUPPORT

ITEM NUMBER	ID. NUMBER	DRAWING NUMBERS	LOCS.	INSP REQ.	PROC. NUMBERS	MATERIAL TYPE/GRADE	DIAM./ THICK	CALIB BLOCK	COMMENTS
F1.03.123	2-R-CA-0200	CN-2492-CA-049		VT	QAL-14	-----	04.00	-----	RIGID SUPPORT
F1.03.124	2-R-CA-0201	CN-2492-CA-049		VT	QAL-14	-----	04.00	-----	RIGID SUPPORT
F1.03.125	2-R-CA-0202	CN-2492-CA-049		VT	QAL-14	-----	04.00	-----	RIGID SUPPORT
F1.03.126	2-R-CA-0203	CN-2492-CA-049		VT	QAL-14	-----	04.00	-----	RIGID SUPPORT
F1.03.127	2-R-CA-0160	CN-2492-CA-050		VT	QAL-14	-----	04.00	-----	RIGID SUPPORT
F1.03.128	2-R-CA-0161	CN-2492-CA-050		VT	QAL-14	-----	04.00	-----	RIGID SUPPORT
F1.03.129	2-R-CA-0162	CN-2492-CA-050		VT	QAL-14	-----	04.00	-----	RIGID SUPPORT
F1.03.130	2-R-CA-0163	CN-2492-CA-050		VT	QAL-14	-----	04.00	-----	RIGID SUPPORT

ITEM NUMBER	ID. NUMBER	DRAWING NUMBERS	LOCS.	INSP REQ.	PROC. NUMBERS	MATERIAL TYPE/GRADE	DIAM./ THICK	CALIB BLOCK	COMMENTS
F1.03.131	2-R-CA-0164	CN-2492-CA-050		VT	QAL-14	-----	04.00	-----	RIGID SUPPORT
F1.03.132	2-R-CA-0165	CN-2492-CA-050		VT	QAL-14	-----	04.00	-----	RIGID SUPPORT
F1.03.133	2-R-CA-0166	CN-2492-CA-050		VT	QAL-14	-----	04.00	-----	RIGID SUPPORT
F1.03.134	2-R-CA-0167	CN-2492-CA-050		VT	QAL-14	-----	04.00	-----	RIGID SUPPORT
F1.03.135	2-R-CA-0168	CN-2492-CA-050		VT	QAL-14	-----	04.00	-----	RIGID SUPPORT
F1.03.393	2-R-KC-0077	CN-2492-KC-080		VT	QAL-14	-----	12.00	-----	SPRING HANGER
F1.03.394	2-R-KC-0078	CN-2492-KC-080		VT	QAL-14	-----	12.00	-----	RIGID SUPPORT
F1.03.397	2-R-KC-0081	CN-2492-KC-080		VT	QAL-14	-----	12.00	-----	RIGID SUPPORT

ITEM NUMBER	ID. NUMBER	DRAWING NUMBERS	LOCS.	INSP REQ.	PROC. NUMBERS	MATERIAL TYPE/GRADE	DIAM./ THICK	CALIB BLOCK	COMMENTS
F1.03.405	2-R-KC-0084	CN-2492-KC-081		VT	QAL-14	-----	12.00	-----	SPRING HANGER
F1.03.422	2-R-KC-0313	CN-2492-KC-090		VT	QAL-14	-----	06.00	-----	RIGID SUPPORT
F1.03.427	2-R-KC-0054	CN-2492-KC-095		VT	QAL-14	-----	16.00	-----	SPRING HANGER TO BE DONE WITH D02.020.003
F1.03.430	2-R-KC-0058	CN-2492-KC-095		VT	QAL-14	-----	16.00	-----	RIGID SUPPORT
F1.03.462	2-R-KC-0250	CN-2492-KC-101		VT	QAL-14	-----	08.00	-----	RIGID SUPPORT
F1.03.463	2-R-KC-0251	CN-2492-KC-101		VT	QAL-14	-----	08.00	-----	RIGID SUPPORT
F1.03.464	2-R-KC-0252	CN-2492-KC-101		VT	QAL-14	-----	08.00	-----	RIGID SUPPORT
F1.03.465	2-R-KC-0253	CN-2492-KC-101		VT	QAL-14	-----	08.00	-----	RIGID SUPPORT

ITEM NUMBER	ID. NUMBER	DRAWING NUMBERS	LOCS.	INSP REQ.	PROC. NUMBERS	MATERIAL TYPE/GRADE	DIAM./ THICK	CALIB BLOCK	COMMENTS
F1.03.466	2-R-KC-0254	CN-2492-KC-101		VT	QAL-14	-----	08.00	-----	SPRING HANGER
F1.03.467	2-R-KC-0364	CN-2492-KC-101		VT	QAL-14	-----	08.00	-----	RIGID SUPPORT
F1.03.468	2-R-KC-0407	CN-2492-KC-101		VT	QAL-14	-----	08.00	-----	RIGID SUPPORT
F1.03.470	2-R-KC-0193	CN-2492-KC-102		VT	QAL-14	-----	20.00	-----	RIGID SUPPORT
F1.03.471	2-R-KC-0148	CN-2492-KC-108		VT	QAL-14	-----	08.00	-----	RIGID SUPPORT
F1.03.472	2-R-KC-0151	CN-2492-KC-108		VT	QAL-14	-----	08.00	-----	RIGID SUPPORT
F1.03.473	2-R-KC-0152	CN-2492-KC-108		VT	QAL-14	-----	08.00	-----	RIGID SUPPORT
F1.03.474	2-R-KC-0145	CN-2492-KC-109		VT	QAL-14	-----	08.00	-----	RIGID SUPPORT

ITEM NUMBER	ID. NUMBER	DRAWING NUMBERS	LOCS.	INSP REQ.	PROC. NUMBERS	MATERIAL TYPE/GRADE	DIAM./ THICK	CALIB BLOCK	COMMENTS
F1.03.475	2-R-KC-0146	CN-2492-KC-109		VT	QAL-14	-----	08.00	-----	RIGID SUPPORT
F1.03.476	2-R-KC-0147	CN-2492-KC-109		VT	QAL-14	-----	08.00	-----	RIGID SUPPORT
F1.03.477	2-R-KC-0344	CN-2492-KC-110		VT	QAL-14	-----	06.00	-----	RIGID SUPPORT
F1.03.478	2-R-KC-0345	CN-2492-KC-110		VT	QAL-14	-----	06.00	-----	RIGID SUPPORT
F1.03.479	2-R-KC-0346	CN-2492-KC-110		VT	QAL-14	-----	06.00	-----	RIGID SUPPORT
F1.03.480	2-R-KC-0347	CN-2492-KC-110		VT	QAL-14	-----	06.00	-----	RIGID SUPPORT
F1.03.481	2-R-KC-0348	CN-2492-KC-110		VT	QAL-14	-----	06.00	-----	RIGID SUPPORT
F1.03.482	2-R-KC-0349	CN-2492-KC-110		VT	QAL-14	-----	06.00	-----	RIGID SUPPORT

ITEM NUMBER	ID. NUMBER	DRAWING NUMBERS	LOCS.	INSP REQ	PROC. NUMBERS	MATERIAL TYPE/GRADE	DIAM./ THICK	CALIB BLOCK	COMMENTS
F1.03.483	2-R-KC-0350	CN-2492-KC-110		VT	QAL-14	-----	06.00	-----	RIGID SUPPORT
F1.03.484	2-R-KC-0351	CN-2492-KC-110		VT	QAL-14	-----	06.00	-----	RIGID SUPPORT
F1.03.485	2-R-KC-0597	CN-2492-KC-110		VT	QAL-14	-----	06.00	-----	RIGID SUPPORT
F1.03.486	2-R-KC-0598	CN-2492-KC-110		VT	QAL-14	-----	06.00	-----	RIGID SUPPORT
F1.03.487	2-R-KC-0340	CN-2492-KC-111		VT	QAL-14	-----	06.00	-----	RIGID SUPPORT
F1.03.488	2-R-KC-0341	CN-2492-KC-111		VT	QAL-14	-----	06.00	-----	RIGID SUPPORT
F1.03.489	2-R-KC-0342	CN-2492-KC-111		VT	QAL-14	-----	06.00	-----	RIGID SUPPORT
F1.03.490	2-R-KC-0218	CN-2492-KC-117		VT	QAL-14	-----	14.00	-----	RIGID SUPPORT

ITEM NUMBER	ID. NUMBER	DRAWING NUMBERS	LOCS.	INSP REQ.	PROC. NUMBERS	MATERIAL TYPE/GRADE	DIAM./ THICK	CALIB BLOCK	COMMENTS
F1.03.491	2-R-KC-0219	CN-2492-KC-117		VT	QAL-14	-----	14.00	-----	RIGID SUPPORT
F1.03.492	2-R-KC-0220	CN-2492-KC-117		VT	QAL-14	-----	14.00	-----	RIGID SUPPORT
F1.03.493	2-R-KC-0221	CN-2492-KC-117		VT	QAL-14	-----	14.00	-----	RIGID SUPPORT
F1.03.661	2-R-KD-0020	CN-2493-KD-043		VT	QAL-14	-----	08.00	-----	SPRING HANGER (2)
F1.03.662	2-R-KD-0021	CN-2493-KD-043		VT	QAL-14	-----	08.00	-----	RIGID SUPPORT
F1.03.663	2-R-KD-0022	CN-2493-KD-044		VT	QAL-14	-----	08.00	-----	SPRING HANGER
F1.03.664	2-R-KD-0013	CN-2493-KD-046		VT	QAL-14	-----	06.00	-----	SPRING HANGER
F1.03.666	2-R-KD-0015	CN-2493-KD-046		VT	QAL-14	-----	06.00	-----	RIGID SUPPORT

ITEM NUMBER	ID. NUMBER	DRAWING NUMBERS	LOCS.	INSP REQ.	PROC. NUMBERS	MATERIAL TYPE/GRADE	DIAM./ THICK	CALIB BLOCK	COMMENTS
F1.03.668	2-R-KD-0017	CN-2493-KD-047		VT	QAL-14	-----	06.00	-----	RIGID SUPPORT
F1.03.670	2-R-KD-0032	CN-2493-KD-048		VT	QAL-14	-----	08.00	-----	RIGID SUPPORT
F1.03.671	2-R-KD-0033	CN-2493-KD-048		VT	QAL-14	-----	08.00	-----	MECHANICAL SNUBBER
F1.03.672	2-R-KD-0034	CN-2493-KD-048		VT	QAL-14	-----	08.00	-----	RIGID SUPPORT
F1.03.673	2-R-KD-0002	CN-2493-KD-051		VT	QAL-14	-----	06.00	-----	RIGID SUPPORT
F1.03.674	2-R-KD-0003	CN-2493-KD-051		VT	QAL-14	-----	06.00	-----	SPRING HANGER
F1.03.675	2-R-KD-0004	CN-2493-KD-051		VT	QAL-14	-----	06.00	-----	SPRING HANGER (2)
F1.03.677	2-R-KD-0006	CN-2493-KD-051		VT	QAL-14	-----	06.00	-----	RIGID SUPPORT

ITEM NUMBER	ID. NUMBER	DRAWING NUMBERS	LOCS.	INSP REQ.	PROC. NUMBERS	MATERIAL TYPE/GRADE	DIAM./ THICK	CALIB BLOCK	COMMENTS
F1.03.678	2-R-KD-0007	CN-2493-KD-052		VT	QAL-14	-----	06.00	-----	SPRING HANGER
F1.03.679	2-R-KD-0012	CN-2493-KD-052		VT	QAL-14	-----	08.00	-----	RIGID SUPPORT
F1.03.721	2-R-LD-0013	CN-2493-LD-029		VT	QAL-14	-----	06.00	-----	RIGID SUPPORT
F1.03.722	2-R-LD-0014	CN-2493-LD-029		VT	QAL-14	-----	06.00	-----	RIGID SUPPORT
F1.03.723	2-R-LD-0015	CN-2493-LD-029		VT	QAL-14	-----	06.00	-----	RIGID SUPPORT
F1.03.724	2-R-LD-0016	CN-2493-LD-030		VT	QAL-14	-----	06.00	-----	RIGID SUPPORT
F1.03.725	2-R-LD-0006	CN-2493-LD-032		VT	QAL-14	-----	06.00	-----	SPRING HANGER
F1.03.726	2-R-LD-0008	CN-2493-LD-032		VT	QAL-14	-----	06.00	-----	RIGID SUPPORT

ITEM NUMBER	ID. NUMBER	DRAWING NUMBERS	LOCS.	INSP REQ.	PROC. NUMBERS	MATERIAL TYPE/GRADE	DIAM./ THICK	CALIB BLOCK	COMMENTS
F1.03.727	2-R-LD-0009	CN-2493-LD-032		VT	QAL-14	-----	06.00	-----	SPRING HANGER
F1.03.728	2-R-LD-0011	CN-2493-LD-038		VT	QAL-14	-----	06.00	-----	RIGID SUPPORT
F1.03.729	2-R-LD-0012	CN-2493-LD-038		VT	QAL-14	-----	06.00	-----	RIGID SUPPORT
F1.03.730	2-R-LD-0010	CN-2493-LD-039		VT	QAL-14	-----	06.00	-----	RIGID SUPPORT
F1.03.852	2-R-RN-0079	CN-2492-RN-138		VT	QAL-14	-----	18.00	-----	MECHANICAL SNUBBER
F1.03.855	2-R-RN-0037	CN-2492-RN-139		VT	QAL-14	-----	06.00	-----	MECHANICAL SNUBBER
F1.03.866	2-R-RN-0140	CN-2492-RN-144		VT	QAL-14	-----	06.00	-----	RIGID SUPPORT
F1.03.867	2-R-RN-0006	CN-2492-RN-150		VT	QAL-14	-----	20.00	-----	MECHANICAL SNUBBER

ITEM NUMBER	ID. NUMBER	DRAWING NUMBERS	LOCS.	INSP REQ.	PROC. NUMBERS	MATERIAL TYPE/GRADE	DIAM./ THICK	CALIB BLOCK	COMMENTS
F1.03.868	2-R-RN-0007	CN-2492-RN-150		VT	QAL-14	-----	20.00	-----	RIGID SUPPORT
F1.03.869	2-R-RN-0009	CN-2492-RN-150		VT	QAL-14	-----	20.00	-----	RIGID SUPPORT
F1.03.870	2-R-RN-0001	CN-2492-RN-153		VT	QAL-14	-----	20.00	-----	RIGID SUPPORT
F1.03.871	2-R-RN-0002	CN-2492-RN-153		VT	QAL-14	-----	20.00	-----	RIGID SUPPORT
F1.03.872	2-R-RN-0003	CN-2492-RN-153		VT	QAL-14	-----	20.00	-----	RIGID SUPPORT
F1.03.873	2-R-RN-0005	CN-2492-RN-153		VT	QAL-14	-----	20.00	-----	RIGID SUPPORT
F1.03.874	2-R-RN-0017	CN-2492-RN-153		VT	QAL-14	-----	20.00	-----	RIGID SUPPORT
F1.03.875	2-R-RN-0248	CN-2492-RN-153		VT	QAL-14	-----	20.00	-----	RIGID SUPPORT

ITEM NUMBER	ID. NUMBER	DRAWING NUMBERS	LOCS.	INSP REQ.	PROC. NUMBERS	MATERIAL TYPE/GRADE	DIAM./ THICK	CALIB BLOCK	COMMENTS
F1.03.876	2-R-RN-0027	CN-2492-RN-162		VT	QAL-14		20.00		SPRING HANGER
F1.03.877	2-R-RN-0224	CN-2493-RN-001		VT	QAL-14	-----	10.00	-----	RIGID SUPPORT
F1.03.878	2-R-RN-0225	CN-2493-RN-001		VT	QAL-14	-----	10.00	-----	RIGID SUPPORT
F1.03.879	2-R-RN-0226	CN-2493-RN-001		VT	QAL-14	-----	10.00	-----	RIGID SUPPORT TO BE DONE WITH D02.020.022
F1.03.880	2-R-RN-0221	CN-2493-RN-002		VT	QAL-14	-----	10.00	-----	RIGID SUPPORT
F1.03.881	2-R-RN-0222	CN-2493-RN-002		VT	QAL-14	-----	10.00	-----	RIGID SUPPORT
F1.03.882	2-R-RN-0223	CN-2493-RN-002		VT	QAL-14	-----	10.00	-----	RIGID SUPPORT
F1.03.883	2-R-RN-0228	CN-2493-RN-005		VT	QAL-14	-----	10.00	-----	RIGID SUPPORT

ITEM NUMBER	ID. NUMBER	DRAWING NUMBERS	LOCS.	INSP REQ.	PROC. NUMBERS	MATERIAL TYPE/GRADE	DIAM./ THICK	CALIB BLOCK	COMMENTS
F1.03.884	2-R-RN-0229	CN-2493-RN-005		VT	QAL-14	-----	10.00	-----	RIGID SUPPORT
F1.03.885	2-R-RN-0230	CN-2493-RN-005		VT	QAL-14	-----	10.00	-----	RIGID SUPPORT
F1.03.886	2-R-RN-0231	CN-2493-RN-005		VT	QAL-14	-----	10.00	-----	RIGID SUPPORT
F1.03.887	2-R-RN-0232	CN-2493-RN-005		VT	QAL-14	-----	10.00	-----	RIGID SUPPORT
F1.03.888	2-R-RN-0233	CN-2493-RN-005		VT	QAL-14	-----	10.00	-----	RIGID SUPPORT
F1.03.889	2-R-RN-0227	CN-2493-RN-006		VT	QAL-14	-----	10.00	-----	RIGID SUPPORT
F1.03.890	2-R-RN-0220	CN-2493-RN-007		VT	QAL-14	-----	10.00	-----	RIGID SUPPORT
F1.03.891	2-R-RN-0237	CN-2493-RN-029		VT	QAL-14	-----	10.00	-----	RIGID SUPPORT

ITEM NUMBER	ID. NUMBER	DRAWING NUMBERS	LOCS.	INSP REQ.	PROC. NUMBERS	MATERIAL TYPE/GRADE	DIAM./ THICK	CALIB BLOCK	COMMENTS
F1.03.892	2-R-RN-0238	CN-2493-RN-029		VT	QAL-14	-----	10.00	-----	RIGID SUPPORT
F1.03.893	2-R-RN-0239	CN-2493-RN-029		VT	QAL-14	-----	10.00	-----	RIGID SUPPORT TO BE DONE WITH D02.020.023
F1.03.894	2-R-RN-0234	CN-2493-RN-036		VT	QAL-14	-----	10.00	-----	RIGID SUPPORT
F1.03.895	2-R-RN-0235	CN-2493-RN-036		VT	QAL-14	-----	10.00	-----	RIGID SUPPORT
F1.03.896	2-R-RN-0236	CN-2493-RN-036		VT	QAL-14	-----	10.00	-----	RIGID SUPPORT
F1.03.897	2-R-RN-0241	CN-2493-RN-039		VT	QAL-14	-----	10.00	-----	RIGID SUPPORT
F1.03.898	2-R-RN-0242	CN-2493-RN-039		VT	QAL-14	-----	10.00	-----	RIGID SUPPORT
F1.03.899	2-R-RN-0243	CN-2493-RN-039		VT	QAL-14	-----	10.00	-----	RIGID SUPPORT

ITEM NUMBER	ID. NUMBER	DRAWING NUMBERS	LOCS.	INSP REQ.	PROC. NUMBERS	MATERIAL TYPE/GRADE	DIAM./ THICK	CALIB BLOCK	COMMENTS
F1.03.900	2-R-RN-0244	CN-2493-RN-039		VT	QAL-14	-----	10.00	-----	RIGID SUPPORT
F1.03.901	2-R-RN-0245	CN-2493-RN-039		VT	QAL-14	-----	10.00	-----	RIGID SUPPORT
F1.03.902	2-R-RN-0246	CN-2493-RN-039		VT	QAL-14	-----	10.00	-----	RIGID SUPPORT
F1.03.903	2-R-RN-0240	CN-2493-RN-040		VT	QAL-14	-----	10.00	-----	RIGID SUPPORT
F1.03.904	2-R-RN-0247	CN-2493-RN-041		VT	QAL-14	-----	10.00	-----	RIGID SUPPORT

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******		***	*******	*****	__.__ __.__	*****	********** **********
G01.001.001	2RCP-2A	CN-2NC-009 CN-2553-1.0		UT	NDE-900	CS	__.__ __.__	-----	
G01.001.002	2RCP-2B	CN-2NC-011 CN-2553-1.0		UT	NDE-900	CS	__.__ __.__	-----	
G01.001.003A	2RCP-2C	CN-2NC-013 CN-2553-1.0		MT	NDE-25	CS	__.__ __.__	-----	INSPECT IF DISASSEMBLED MINIMUM ONCE PER INTERVAL

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 ******** PREVENT WEAR MOD. REF. EDDY CURRENT PROGRAM MAINTAINED BY DIVERSIFIED SERVICES-NDE

ITEM NUMBER	ID. NUMBER	DRAWING NUMBERS	LOCS.	INSP REQ.	PROC. NUMBERS	MATERIAL TYPE/GRADE	DIAM./ THICK	CALIB BLOCK	COMMENTS
G03.001.000	**PIPE RUPTURE	PROTECTION**********		***	*******	*****	__.__	*****	**********
G03.001.039	2SM-8A-A	CN-2SM-057 CN-2593-1.0		UT	NDE-600	CS	34.00 02.375	50385	GRINNELL PIECE MARK CW-SM-8A WELD A
G03.001.039A	2SM-8A-A	CN-2SM-057 CN-2593-1.0		MT	NDE-25	CS	34.00 02.375	-----	GRINNELL PIECE MARK CW-SM-8A WELD A
G03.001.040	2SM57-10	CN-2SM-057 CN-2593-1.0		UT	NDE-600	CS	34.00 02.375	50385	----------
G03.001.040A	2SM57-10	CN-2SM-057 CN-2593-1.0		MT	NDE-25	CS	34.00 02.375	-----	----------
G03.001.041	2SM-7A-A	CN-2SM-057 CN-2593-1.0		UT	NDE-600	CS	34.00 01.750	50385	GRINNELL PIECE MARK CW-SM-7A WELD A
G03.001.041A	2SM-7A-A	CN-2SM-057 CN-2593-1.0		MT	NDE-25	CS	34.00 01.750	-----	GRINNELL PIECE MARK CW-SM-7A WELD A
G03.001.042	2SM59-04	CN-2SM-059 CN-2593-1.0		UT	NDE-600	CS	34.00 01.750	50385	----------

ITEM NUMBER	ID. NUMBER	DRAWING NUMBERS	LOCS.	INSP REQ.	PROC. NUMBERS	MATERIAL TYPE/GRADE	DIAM./ THICK	CALIB BLOCK	COMMENTS
G03.001.042A	2SM59-04	CN-2SM-059 CN-2593-1.0		MT	NDE-25	CS	34.00 01.750	-----	
G03.001.043	2SM59-03	CN-2SM-059 CN-2593-1.0		UT	NDE-600	CS	34.00 01.750	50385	
G03.001.043A	2SM59-03	CN-2SM-059 CN-2593-1.0		MT	NDE-25	CS	34.00 01.750	-----	
G03.001.044	2SM-5A-A	CN-2SM-059 CN-2593-1.0		UT	NDE-600	CS	34.00 01.375	50385	GRINNELL PIECE MARK CW-SM-5A WELD A
G03.001.044A	2SM-5A-A	CN-2SM-059 CN-2593-1.0		MT	NDE-25	CS	34.00 01.375	-----	GRINNELL PIECE MARK CW-SM-5A WELD A
G03.001.045	2SM59-02	CN-2SM-059 CN-2593-1.0		UT	NDE-600	CS	34.00 01.375	50385	
G03.001.045A	2SM59-02	CN-2SM-059 CN-2593-1.0		MT	NDE-25	CS	34.00 01.375	-----	
G03.001.046	2SM-4A-A	CN-2SM-059 CN-2593-1.0		UT	NDE-600	CS	34.00 01.375	50385	GRINNELL PIECE MARK CW-SM-4A WELD A

ITEM NUMBER	ID. NUMBER	DRAWING NUMBERS	LOCS.	INSP REQ.	PROC. NUMBERS	MATERIAL TYPE/GRADE	DIAM./ THICK	CALIB BLOCK	COMMENTS
G03.001.046A	2SM-4A-A	CN-2SM-059 CN-2593-1.0		MT	NDE-25	CS	34.00 01.375	-----	GRINNELL PIECE MARK CW-SM-4A WELD A
G03.001.047	2SM59-01	CN-2SM-059 CN-2593-1.0		UT	NDE-600	CS	34.00 01.375	50385	
G03.001.047A	2SM59-01	CN-2SM-059 CN-2593-1.0		MT	NDE-25	CS	34.00 01.375	-----	
G03.001.049	2SM59-27	CN-2SM-059 CN-2593-1.0		UT	NDE-600	CS	34.00 01.375	50385	
G03.001.049A	2SM59-27	CN-2SM-059 CN-2593-1.0		MT	NDE-25	CS	34.00 01.375		

ITEM NUMBER	ID. NUMBER	DRAWING NUMBERS	LOCS.	INSP REQ.	PROC. NUMBERS	MATERIAL TYPE/GRADE	DIAM./ THICK	CALIB BLOCK	COMMENTS
G04.001.000	CLASS 2 PIPING	WELDS**********		***	*******	*****	__.__	*****	**********
G04.001.102	2-R-NM-0040	CN-2492-NM-021 CN-2NM-127		PT	NDE-35	SS	00.50 00.187		CLASS 2 WELDED ATTACHMENT PIPE TO ANCHOR PAD WELD
G04.001.103	2-R-NM-0043	CN-2492-NM-065 CN-2NM-145		PT	NDE-35	SS	00.50 00.109		CLASS 2 WELDED ATTACHMENT PIPE TO ANCHOR PAD WELD

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 *****
		**********			*******	**********	__.__		**********

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**********

ITEM NUMBER	ID. NUMBER	DRAWING NUMBERS	LOCS.	INSP REQ.	PROC. NUMBERS	MATERIAL TYPE/GRADE	DIAM./ THICK	CALIB BLOCK	COMMENTS
G07.001.000	***CORRECTIVE ACTION	FOR PIP# 2-C94-0874*		***	*******	*****	__.__		*****NI SYSTEM COLD LEGS******
G07.001.001	2NI55-08	CN-2NI-055 CN-2562-1.1		UT	NDE-600	SS	06.00 00.719	50308	REF.PIP# 2-C94-0874
G07.001.001A	2NI55-08	CN-2NI-055 CN-2562-1.1		PT	NDE-35	SS	06.00 00.719		REF.PIP# 2-C94-0874
G07.001.002	2NI55-09	CN-2NI-055 CN-2562-1.1		UT	NDE-600	SS	10.00 01.000	50312	REF.PIP# 2-C94-0874
G07.001.002A	2NI55-09	CN-2NI-055 CN-2562-1.1		PT	NDE-35	SS	10.00 01.000		REF.PIP# 2-C94-0874
G07.001.003	2NI55-10	CN-2NI-055 CN-2562-1.1		UT	NDE-600	SS	10.00 01.000	50312	REF.PIP# 2-C94-0874
G07.001.003A	2NI55-10	CN-2NI-055 CN-2562-1.1		PT	NDE-35	SS	10.00 01.000		REF.PIP# 2-C94-0874
G07.001.004	2NI70-03	CN-2NI-070 CN-2562-1.3		PT	NDE-35	SS	02.00 00.344		REF.PIP# 2-C94-0874

ITEM NUMBER	ID. NUMBER	DRAWING NUMBERS	LOCS.	INSP REQ.	PROC. NUMBERS	MATERIAL TYPE/GRADE	DIAM./ THICK	CALIB BLOCK	COMMENTS
G07.001.005	2NI75-07	CN-2NI-075 CN-2562-1.3		PT	NDE-35	SS	02.00 00.344		REF.PIP# 2-C94-0874
G07.001.006	2NI77-02	CN-2NI-077 CN-2562-1.3		PT	NDE-35	SS	02.00 00.344		REF.PIP# 2-C94-0874
G07.001.007	2NI145-02	CN-2NI-145 CN-2562-1.3		PT	NDE-35	SS	02.00 00.344		REF.PIP# 2-C94-0874
G07.001.008	2NI183-12	CN-2NI-183 CN-2562-1.1		UT	NDE-600	SS	06.00 00.719	50308	REF.PIP# 2-C94-0874 EXAMINE LONG SEAM
G07.001.008A	2NI183-12	CN-2NI-183 CN-2562-1.1		PT	NDE-35	SS	06.00 00.719		REF.PIP# 2-C94-0874 EXAMINE LONG SEAM
G07.001.009	2NI183-17	CN-2NI-183 CN-2562-1.1		UT	NDE-600	SS	10.00 01.000	50312	REF.PIP# 2-C94-0874 EXAMINE LONG SEAM
G07.001.009A	2NI183-17	CN-2NI-183 CN-2562-1.1		PT	NDE-35	SS	10.00 01.000		REF.PIP# 2-C94-0874 EXAMINE LONG SEAM
G07.061.010	2NI183-18	CN-2NI-183 CN-2562-1.1		UT	NDE-600	SS	10.00 01.000	50 2	REF.PIP# 2-C94-0874 EXAMINE LONG SEAM

ITEM NUMBER	ID. NUMBER	DRAWING NUMBERS	LOCS.	INSP REQ.	PROC. NUMBERS	MATERIAL TYPE/GRADE	DIAM./ THICK	CALIB BLOCK	COMMENTS
G07.001.010A	2NI183-18	CN-2NI-183 CN-2562-1.1		PT	NDE-35	SS	10.00 01.000		REF.PIP# 2-C94-0874 EXAMINE LONG SEAM
G07.001.011	2NI184-12	CN-2NI-184 CN-2562-1.1		UT	NDE-600	SS	10.00 01.000	50312	REF.PIP# 2-C94-0874
G07.001.011A	2NI184-12	CN-2NI-0184 CN-2562-1.1		PT	NDE-35	SS	10.00 01.000		REF.PIP# 2-C94-0874
G07.001.012	2NI184-13	CN-2NI-184 CN-2562-1.1		UT	NDE-600	SS	10.00 01.000	50312	REF.PIP# 2-C94-0874
G07.001.012A	2NI184-13	CN-2NI-184 CN-2562-1.1		PT	NDE-35	SS	10.00 01.000		REF.PIP# 2-C94-0874
G07.001.013	2NI184-14	CN-2NI-184 CN-2562-1.1		UT	NDE-600	SS	06.00 00.719	50308	REF.PIP# 2-C94-0874
G07.001.013A	2NI184-14	CN-2NI-184 CN-2562-1.1		PT	NDE-35	SS	06.00 00.719		REF.PIP# 2-C94-0874
G07.001.014	2NI185-09	CN-2NI-185 CN-2562-1.1		UT	NDE-600	SS	10.00 01.000	50312	REF.PIP# 2-C94-0874 EXAMINE LONG SEAM

ITEM NUMBER	ID. NUMBER	DRAWING NUMBERS	LOCS.	INSP REQ.	PROC. NUMBERS	MATERIAL TYPE/GRADE	DIAM./ THICK	CALIB BLOCK	COMMENTS
G07.001.014A	2NI185-09	CN-2NI-185 CN-2562-1.1		PT	NDE-35	SS	10.00 01.000		REF.PIP# 2-C94-0874 EXAMINE LONG SEAM
G07.001.015	2NI185-10	CN-2NI-185 CN-2562-1.1		UT	NDE-600	SS	10.00 01.000	50312	REF.PIP# 2-C94-0874 EXAMINE LONG SEAM
G07.001.015A	2NI185-10	CN-2NI-185 CN-2562-1.1		PT	NDE-35	SS	10.00 01.000		REF.PIP# 2-C94-0874 EXAMINE LONG SEAM
G07.001.016	2NI185-11	CN-2NI-185 CN-2562-1.1		UT	NDE-600	SS	06.00 00.719	50308	REF.PIP# 2-C94-0874 EXAMINE LONG SEAM
G07.001.016A	2NI185-11	CN-2NI-185 CN-2562-1.1		PT	NDE-35	SS	06.00 00.719		REF.PIP# 2-C94-0874 EXAMINE LONG SEAM
G07.001.017	2NI295-04	CN-2NI-295 CN-2562-1.3		PT	NDE-35	SS	02.00 00.344		REF.PIP# 2-C94-0874
G07.001.018	2NI297-06	CN-2NI-297 CN-2562-1.3		PT	NDE-35	SS	02.00 00.344		REF.PIP# 2-C94-0874
G07.001.019	2NI301-04	CN-2NI-301 CN-2562-1.3		PT	NDE-35	SS	02.00 00.344		REF.PIP# 2-C94-0874

ITEM NUMBER	ID. NUMBER	DRAWING NUMBERS	LOCS.	INSP REQ.	PROC. NUMBERS	MATERIAL TYPE/GRADE	DIAM./ THICK	CALIB BLOCK	COMMENTS
G07.001.020	2NI400-01	CN-2NI-400 CN-2562-1.3		PT	NDE-35	SS	02.00 00.344		REF.PIP# 2-C94-0874

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 Flow Diagram
Revision	=	Revision of the Flow Diagram
Test	=	Type of Pressure Test
FCA No.	=	Field Change Authorization Number(Plan Addendum Number)
System 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 2 - 1st INTERVAL
CLASS A (CATEGORY B-P) REQUIREMENTS
FOR OUTAGE NUMBER 7

ITEM NO.	DRAWING	REV	TEST	FCA NO.	SYSTEM NAME	REQ. INSP	REQ. PROC	COMMENTS
B15.011.001	CN-2553-1.0	17	HYDRO	CAT2-0168	UNIT 2 REACTOR	VT-2	QAL-15	
B15.021.001	CN-2553-1.1	10	HYDRO	CAT2-0168	PRESSURIZER	VT-2	QAL-15	
B15.031.001	CN-2553-1.0	17	HYDRO	CAT2-0168	STEAM GENERATOR 2A	VT-2	QAL-15	
B15.031.002	CN-2553-1.0	17	HYDRO	CAT2-0168	STEAM GENERATOR 2B	VT-2	QAL-15	
B15.031.003	CN-2553-1.0	17	HYDRO	CAT2-0168	STEAM GENERATOR 2C	VT-2	QAL-15	
B15.031.004	CN-2553-1.0	17	HYDRO	CAT2-0168	STEAM GENERATOR 2D	VT-2	QAL-15	
B15.050.001	CN-2553-1.0	17	LEAK	CAT2-0185	NC SYSTEM	VT-2	QAL-15	
B15.050.002	CN-2553-1.1	10	LEAK	CAT2-0185	NC SYSTEM	VT-2	QAL-15	
B15.050.004	CN-2554-1.0	09	LEAK	CAT2-0185	NV SYSTEM	VT-2	QAL-15	
B15.050.006	CN-2561-1.0	07	LEAK	CAT2-0185	ND SYSTEM	VT-2	QAL-15	
B15.050.007	CN-2561-1.1	06	LEAK	CAT2-0185	ND SYSTEM	VT-2	QAL-15	
B15.050.008	CN-2562-1.0	06	LEAK	CAT2-0185	NI SYSTEM	VT-2	QAL-15	

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

ITEM NO.	DRAWING	REV	TEST	FCA NO.	SYSTEM NAME	REQ. INSP	REQ. PROC	COMMENTS
B15.050.009	CN-2562-1.1	12	LEAK	CAT2-0185	NI SYSTEM	VT-2	QAL-15	
B15.050.010	CN-2562-1.2	11	LEAK	CAT2-0185	NI SYSTEM	VT-2	QAL-15	
B15.050.011	CN-2562-1.3	05	LEAK	CAT2-0185	NI SYSTEM	VT-2	QAL-15	
B15.051.001	CN-2553-1.0	17	HYDRO	CAT2-0185	NC SYSTEM	VT-2	QAL-15	
B15.051.002	CN-2553-1.1	10	HYDRO	CAT2-0185	NC SYSTEM	VT-2	QAL-15	
B15.051.004	CN-2554-1.0	09	HYDRO	CAT2-0185	NV SYSTEM	VT-2	QAL-15	
B15.051.005	CN-2554-1.5	08	HYDRO	CAT2-0168	NV SYSTEM	VT-2	QAL-15	
B15.051.006	CN-2561-1.0	07	HYDRO	CAT2-0185	ND SYSTEM	VT-2	QAL-15	
B15.051.007	CN-2561-1.1	06	HYDRO	CAT2-0185	ND SYSTEM	VT-2	QAL-15	
B15.051.008	CN-2562-1.0	06	HYDRO	CAT2-0185	NI SYSTEM	VT-2	QAL-15	
B15.051.009	CN-2562-1.1	12	HYDRO	CAT2-0185	NI SYSTEM	VT-2	QAL-15	
B15.051.010	CN-2562-1.2	11	HYDRO	CAT2-0185	NI SYSTEM	VT-2	QAL-15	
B15.061.001	CN-2553-1.0	17	HYDRO	CAT2-0168	RCP-2A	VT-2	QAL-15	

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

ITEM NO.	DRAWING	REV	TEST	FCA NO.	SYSTEM NAME	REQ. INSP	REQ. PROC	COMMENTS
B15.061.002	CN-2553-1.0	17	HYDRO	CAT2-0168	RCP-2B	VT-2	QAL-15	
B15.061.003	CN-2553-1.0	17	HYDRO	CAT2-0168	RCP-2C	VT-2	QAL-15	
B15.061.004	CN-2553-1.0	17	HYDRO	CAT2-0168	RCP-2D	VT-2	QAL-15	

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

ITEM NO.	DRAWING	REV	TEST	FCA NO.	SYSTEM NAME	REQ. INSP	REQ. PROC	COMMENTS
C07.020.007	CN-2554-1.1	04	HYDRO	CAT2-0168	VOLUME CONTROL TANK	VT-2	QAL-15	
C07.020.008	CN-2554-1.6	07	HYDRO	CAT2-0168	LETDOWN HEAT EXCHNGR	VT-2	QAL-15	
C07.020.009	CN-2554-1.6	07	HYDRO	CAT2-0168	SEALWATER HEAT EXCR	VT-2	QAL-15	
C07.020.020	CN-2563-1.0	09	HYDRO	CAT2-0168	CONT SPRAY HX 2A	VT-2	QAL-15	
C07.020.021	CN-2563-1.0	09	HYDRO	CAT2-0168	CONT SPRAY HX 2B	VT-2	QAL-15	
C07.020.022	CN-2571-1.0	08	HYDRO	CAT2-0168	REFUEL STR WTR TANK	VT-2	QAL-15	This item will be completed after EOC7 but before 1st Interval expires.
C07.020.025	CN-2569-1.0	09	HYDRO	CAT2-0168	C/VLV INJ W SR CM 2A	VT-2	QAL-15	This item will be completed after EOC7 but before 1st Interval expires.
C07.020.026	CN-2569-1.0	09	HYDRO	CAT2-0168	C/VLV INJ W SR CM 2B	VT-2	QAL-15	This item will be completed after EOC7 but before 1st Interval expires.
C07.040.002	CN-2553-1.1	10	HYDRO	CAT2-0185	NC SYSTEM	VT-2	QAL-15	
C07.040.004	CN-2553-1.3	07	HYDRO	CAT2-0168	NC SYSTEM	VT-2	QAL-15	
C07.040.005	CN-2554-1.0	09	HYDRO	CAT2-0185	NV SYSTEM	VT-2	QAL-15	

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

ITEM NO.	DRAWING	REV	TEST	FCA NO.	SYSTEM NAME	REQ. INSP	REQ. PROC	COMMENTS
C07.040.006	CN-2554-1.1	04	HYDRO	CAT2-0168	NV SYSTEM	VT-2	QAL-15	
C07.040.007	CN-2554-1.2	08	HYDRO	CAT2-0168	NV SYSTEM	VT-2	QAL-15	This item will be completed after EOC7 but before 1st Interval expires.
C07.040.008	CN-2554-1.3	07	HYDRO	CAT2-0168	NV SYSTEM	VT-2	QAL-15	This item will be completed after EOC7 but before 1st Interval expires.
C07.040.010	CN-2554-1.5	08	HYDRO	CAT2-0185	NV SYSTEM	VT-2	QAL-15	
C07.040.011	CN-2554-1.6	07	HYDRO	CAT2-0185	NV SYSTEM	VT-2	QAL-15	This item will be completed after EOC7 but before 1st Interval expires.
C07.040.012	CN-2554-1.7	09	HYDRO	CAT2-0185	NV SYSTEM	VT-2	QAL-15	
C07.040.013	CN-2554-1.8	04	HYDRO	CAT2-0185	NV SYSTEM	VT-2	QAL-15	
C07.040.014	CN-2555-1.1	05	HYDRO	CAT2-0168	NR SYSTEM	VT-2	QAL-15	
C07.040.015	CN-1556-1.0	07	HYDRO	CAT2-0168	NB SYSTEM	VT-2	QAL-15	This item will be completed after EOC7 but before 1st Interval expires.
C07.040.016	CN-2556-2.0	08	HYDRO	CAT2-0168	NB SYSTEM	VT-2	QAL-15	
C07.040.018	CN-2558-2.0	06	HYDRO	CAT2-0168	NF SYSTEM	VT-2	QAL-15	
C07.040.019	CN-2559-1.0	03	HYDRO	CAT2-0168	VY SYSTEM	VT-2	QAL-15	
C07.040.020	CN-2561-1.0	07	HYDRO	CAT2-0185	ND SYSTEM	VT-2	QAL-15	

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

ITEM NO.	DRAWING	REV	TEST	FCA NO.	SYSTEM NAME	REQ. INSP	REQ. PROC	COMMENTS
C07.040.022	CN-2562-1.0	06	HYDRO	CAT2-0185	NI SYSTEM	VT-2	QAL-15	
C07.040.023	CN-2562-1.1	12	HYDRO	CAT2-0185	NI SYSTEM	VT-2	QAL-15	
C07.040.024	CN-2562-1.2	11	HYDRO	CAT2-0185	NI SYSTEM	VT-2	QAL-15	This item will be completed after EOC7 but before 1st Interval expires.
C07.040.025	CN-2562-1.3	05	HYDRO	CAT2-0185	NI SYSTEM	VT-2	QAL-15	This item will be completed after EOC7 but before 1st Interval expires.
C07.040.027	CN-2563-1.0	09	HYDRO	CAT2-0185	NS SYSTEM	VT-2	QAL-15	This item will be completed after EOC7 but before 1st Interval expires.
C07.040.028	CN-2565-2.0	07	HYDRO	CAT2-0168	WL SYSTEM	VT-2	QAL-15	
C07.040.029	CN-2565-2.1	13	HYDRO	CAT2-0168	WL SYSTEM	VT-2	QAL-15	
C07.040.030	CN-2565-2.4	10	HYDRO	CAT2-0168	WL SYSTEM	VT-2	QAL-15	
C07.040.031	CN-2565-2.6	02	HYDRO	CAT2-0186	WL SYSTEM	VT-2	QAL-15	
C07.040.032	CN-1567-1.0	09	HYDRO	CAT2-0168	WG SYSTEM	VT-2	QAL-15	
C07.040.033	CN-1567-1.1	11	HYDRO	CAT2-0168	WG SYSTEM	VT-2	QAL-15	
C07.040.034	CN-1567-1.3	09	HYDRO	CAT2-0168	WG SYSTEM	VT-2	QAL-15	
C07.040.035	CN-2568-1.0	03	HYDRO	CAT2-0168	WE SYSTEM	VT-2	QAL-15	

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

ITEM NO.	DRAWING	REV	TEST	FCA NO.	SYSTEM NAME	REQ. INSP	REQ. PROC	COMMENTS
C07.040.036	CN-2569-1.0	09	HYDRO	CAT2-0185	NW SYSTEM	VT-2	QAL-15	
C07.040.037	CN-2570-1.0	07	HYDRO	CAT2-0168	KF SYSTEM	VT-2	QAL-15	This item will be completed after EOC7 but before 1st Interval expires.
C07.040.038	CN-2571-1.0	08	HYDRO	CAT2-0185	FW SYSTEM	VT-2	QAL-15	This item will be completed after EOC7 but before 1st Interval expires.
C07.040.040	CN-2572-1.1	03	HYDRO	CAT2-0185	NM SYSTEM	VT-2	QAL-15	
C07.040.041	CN-2572-1.2	05	HYDRO	CAT2-0168	NM SYSTEM	VT-2	QAL-15	
C07.040.049	CN-2574-2.2	07	HYDRO	CAT2-0185	RN SYSTEM	VT-2	QAL-15	
C07.040.053	CN-2585-1.0	05	HYDRO	CAT2-0168	VQ SYSTEM	VT-2	QAL-15	
C07.040.055	CN-2592-1.1	18	HYDRO	CAT2-0185	CA SYSTEM	VT-2	QAL-15	
C07.040.059	CN-1599-2.1	10	HYDRO	CAT2-0168	RF SYSTEM	VT-2	QAL-15	
C07.040.061	CN-1601-3.1	17	HYDRO	CAT2-0168	YM SYSTEM	VT-2	QAL-15	
C07.040.063	CN-1605-2.1	09	HYDRO	CAT2-0168	VS SYSTEM	VT-2	QAL-15	
C07.040.064	CN-2605-3.2	02	HYDRO	CAT2-0168	VB SYSTEM	VT-2	QAL-15	
C07.040.065	CN-1554-1.4	13	HYDRO	CAT2-0168	NV SYSTEM	VT-2	QAL-15	

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

ITEM NO.	DRAWING	REV	TEST	FCA NO.	SYSTEM NAME	REQ. INSP	REQ. PROC	COMMENTS
C07.040.066	CN-2605-1.5	02	HYDRO	CAT2-0168	VI SYSTEM	VT-2	QAL-15	
C07.060.001	CN-2554-1.2	08	HYDRO	CAT2-0168	RECIP CHRG PUMP	VT-2	QAL-15	This item will be completed after EOC7 but before 1st Interval expires.
C07.060.002	CN-2554-1.7	09	HYDRO	CAT2-0168	CENTRIF CHRG PUMP 2A	VT-2	QAL-15	This item will be completed after EOC7 but before 1st Interval expires.
C07.060.003	CN-2554-1.7	09	HYDRO	CAT2-0168	CENTRIF CHRG PUMP 2B	VT-2	QAL-15	
C07.060.006	CN-2562-1.2	11	HYDRO	CAT2-0168	SAFETY INJ PUMP 2A	VT-2	QAL-15	
C07.060.007	CN-2562-1.2	11	HYDRO	CAT2-0168	SAFETY INJ PUMP 2B	VT-2	QAL-15	
C07.060.008	CN-2563-1.0	09	HYDRO	CAT2-0168	CONT SPRAY PUMP 2A	VT-2	QAL-15	
C07.060.009	CN-2563-1.0	09	HYDRO	CAT2-0168	CONT SPRAY PUMP 2B	VT-2	QAL-15	

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

ITEM NO.	DRAWING	REV	TEST	FCA NO.	SYSTEM NAME	REQ. INSP	REQ. PROC	COMMENTS
D01.011.003	CN-2554-1.2	08	LEAK	CAT2-0185	NV SYSTEM	VT-2	QAL-15	This item will be completed after EOC7 but before 1st Interval expires.
D01.011.005	CN-2554-1.4	05	LEAK	CAT2-0185	NV SYSTEM	VT-2	QAL-15	This item will be completed after EOC7 but before 1st Interval expires.
D01.011.007	CN-2554-1.7	09	LEAK	CAT2-0185	NV SYSTEM	VT-2	QAL-15	This item will be completed after EOC7 but before 1st Interval expires.
D01.011.011	CN-1554-1.4	13	LEAK	CAT2-0185	NV SYSTEM	VT-2	QAL-15	This item will be completed after EOC7 but before 1st Interval expires.

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

ITEM NO.	DRAWING	REV	TEST	FCA NO.	SYSTEM NAME	REQ. INSP	REQ. PROC	COMMENTS
D02.011.002	CN-2573-1.0	13	LEAK	CAT2-0185	KC SYSTEM	VT-2	QAL-15	
D02.011.003	CN-2573-1.1	08	LEAK	CAT2-0185	KC SYSTEM	VT-2	QAL-15	
D02.011.007	CN-2573-1.5	07	LEAK	CAT2-0185	KC SYSTEM	VT-2	QAL-15	
D02.011.011	CN-2573-2.0	03	LEAK	CAT2-0185	KC SYSTEM	VT-2	QAL-15	
D02.011.012	CN-2573-2.1	03	LEAK	CAT2-0185	KC SYSTEM	VT-2	QAL-15	
D02.011.017	CN-2574-2.0	11	LEAK	CAT2-0185	RN SYSTEM	VT-2	QAL-15	This item will be completed after EOC7 but before 1st Interval expires.
D02.011.018	CN-2574-2.1	12	LEAK	CAT2-0185	RN SYSTEM	VT-2	QAL-15	This item will be completed after EOC7 but before 1st Interval expires.
D02.011.019	CN-2574-2.4	09	LEAK	CAT2-0185	RN SYSTEM	VT-2	QAL-15	This item will be completed after EOC7 but before 1st Interval expires.
D02.011.020	CN-2574-2.5	09	LEAK	CAT2-0185	RN SYSTEM	VT-2	QAL-15	This item will be completed after EOC7 but before 1st Interval expires.
D02.011.021	CN-2592-1.0	13	LEAK	CAT2-0185	CA SYSTEM	VT-2	QAL-15	This item will be completed after EOC7 but before 1st Interval expires.
D02.011.022	CN-2592-1.1	18	LEAK	CAT2-0185	CA SYSTEM	VT-2	QAL-15	This item will be completed after EOC7 but before 1st Interval expires.
D02.011.024	CN-2609-1.0	09	LEAK	CAT2-0185	KD SYSTEM	VT-2	QAL-15	
D02.011.025	CN-2609-2.0	09	LEAK	CAT2-0185	LD SYSTEM	VT-2	QAL-15	

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

ITEM NO.	DRAWING	REV	TEST	FCA NO.	SYSTEM NAME	REQ. INSP	REQ. PROC	COMMENTS
D02.011.027	CN-2609-3.0	09	LEAK	CAT2-0185	FD SYSTEM	VT-2	QAL-15	
D02.011.028	CN-2609-3.1	08	LEAK	CAT2-0185	FD SYSTEM	VT-2	QAL-15	
D02.011.033	CN-2569-1.0	09	LEAK	CAT2-0185	RN SYSTEM	VT-2	QAL-15	This item will be completed after EOC7 but before 1st Interval expires.
D02.011.034	CN-2609-4.0	08	LEAK	CAT2-0185	VG SYSTEM	VT-2	QAL-15	
D02.011.035	CN-2609-4.1	08	LEAK	CAT2-0185	VG SYSTEM	VT-2	QAL-15	
D02.012.024	CN-2609-1.0	09	HYDRO	CAT2-0185	KD SYSTEM	VT-2	QAL-15	
D02.012.025	CN-2609-2.0	09	HYDRO	CAT2-0168	LD SYSTEM	VT-2	QAL-15	
D02.012.026	CN-2609-2.2	12	HYDRO	CAT2-0185	LD SYSTEM	VT-2	QAL-15	
D02.012.027	CN-2609-3.0	09	HYDRO	CAT2-0168	FD SYSTEM	VT-2	QAL-15	
D02.012.028	CN-2609-3.1	08	HYDRO	CAT2-0168	FD SYSTEM	VT-2	QAL-15	

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

ITEM NO.	DRAWING	REV	TEST	FCA NO.	SYSTEM NAME	REQ. INSP	REQ. PROC	COMMENTS
D03.011.001	CN-2570-1.0	07	LEAK	CAT2-0185	KF SYSTEM	VT-2	QAL-15	
D03.011.002	CN-2570-1.1	06	LEAK	CAT2-0185	KF SYSTEM	VT-2	QAL-15	
D03.011.003	CN-2573-1.0	13	LEAK	CAT2-0185	KC SYSTEM	VT-2	QAL-15	
D03.011.004	CN-2573-1.2	10	LEAK	CAT2-0185	KC SYSTEM	VT-2	QAL-15	
D03.011.005	CN-1573-1.6	07	LEAK	CAT2-0185	KC SYSTEM	VT-2	QAL-15	
D03.012.001	CN-2570-1.0	07	HYDRO	CAT2-0168	KF SYSTEM	VT-2	QAL-15	
D03.012.002	CN-2570-1.1	06	HYDRO	CAT2-0168	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)	=	Y = Yes N = No
Comments	=	General and/or Detail Description

PROGRAM: NISIRUND-QAISI04
FILE: C007133
PLANT: CATAWBA UNIT 2
KEY: ITEM NUMBER B01

DUKE POWER COMPANY

PRE-SERVICE AND IN-SERVICE INSPECTION SYSTEM
CATAWBA 2 INSERVICE INSPECTION RESULTS OUTAGE 7

ITEM NUMBER	ID NUMBER	INSPECTION DATE	INSPECTION STATUS	INSPECTION LIMITED	GEO. REF.	COMMENTS
B01.011.001	2RPV-101-141	10/25/95	CLR	L	Y	REF.REQUEST FOR RELIEF #96-02
B01.011.002	2RPV-101-171	10/23/95	CLR	_	Y	
B01.011.003	2RPV-103-121	10/22/95	REC	_	Y	
B01.012.001	2RPV-101-122A	10/21/95	CLR	_	N	
B01.012.002	2RPV-101-122B	10/21/95	CLR	_	N	
B01.012.003	2RPV-101-122C	10/22/95	CLR	_	N	
B01.012.004	2RPV-101-124A	10/21/95	CLR	_	Y	
B01.012.005	2RPV-101-124B	10/23/95	CLR	_	N	
B01.012.006	2RPV-101-124C	10/23/95	CLR	_	N	
B01.012.007	2RPV-101-142A	10/24/95	CLR	L	N	REF.REQUEST FOR RELIEF #96-02
B01.012.008	2RPV-101-142B	10/23/95	CLR	L	N	REF.REQUEST FOR RELIEF #96-02
B01.012.009	2RPV-101-142C	10/25/95	CLR	L	N	REF.REQUEST FOR RELIEF #96-02
B01.021.001	2RPV-101-151	10/25/95	CLR	L	Y	REF.REQUEST FOR RELIEF #96-02
B01.022.005	2RPV-101-154A	10/25/95	CLR	L	N	REF.REQUEST FOR RELIEF #96-02
B01.022.006	2RPV-101-154B	10/25/95	REC	_	Y	CAL.BLK.#50377 FULL NODE EXAM

ITEM NUMBER	ID NUMBER	INSPECTION DATE	INSPECTION STATUS	INSPECTION LIMITED	GEO. REF.	COMMENTS
B01.022.007	2RPV-101-154C	10/24/95	CLR	L	N	REF.REQUEST FOR RELIEF #96-02
B01.022.008	2RPV-101-154D	10/24/95	CLR	_	N	CAL.BLK.#50377 FULL NODE EXAM
B01.030.001	2RPV-101-121	10/24/95	CLR	_	Y	

ITEM NUMBER	ID NUMBER	INSPECTION DATE	INSPECTION STATUS	INSPECTION LIMITED	GEO. REF.	COMMENTS
B02.040.004	2SGD-01-02	10/11/95	CLR	_	N	

ITEM NUMBER	ID NUMBER	INSPECTION DATE	INSPECTION STATUS	INSPECTION LIMITED	GEO. REF.	COMMENTS
B03.090.001	2RPV-105-121A	10/23/95	REC	_	Y	CAL.BLK.#50304 NEAR SURF.EXAM
B03.090.001A	2RPV-105-121A	10/23/95	REC	_	Y	
B03.090.002	2RPV-105-121B	10/24/95	CLR	_	Y	CAL.BLK.#50304 NEAR SURF.EXAM
B03.090.002A	2RPV-105-121B	10/24/95	CLR	_	Y	
B03.090.003	2RPV-105-121C	10/25/95	CLR	_	Y	CAL.BLK.#50304 NEAR SURF.EXAM
B03.090.003A	2RPV-105-121C	10/25/95	CLR	_	Y	
B03.090.004	2RPV-105-121D	10/25/95	CLR	_	Y	CAL.BLK.#50304 NEAR SURF.EXAM
B03.090.004A	2RPV-105-121D	10/25/95	CLR	_	Y	
B03.090.005	2RPV-107-121A	10/24/95	CLR	L	Y	REF.REQUEST FOR RELIEF #96-02
B03.090.005A	2RPV-107-121A	10/24/95	CLR	_	Y	REF.REQUEST FOR RELIEF #93-02
B03.090.006	2RPV-107-121B	10/25/95	CLR	L	Y	REF.REQUEST FOR RELIEF #96-02
B03.090.006A	2RPV-107-121B	10/25/95	CLR	_	Y	REF.REQUEST FOR RELIEF #93-02
B03.090.007	2RPV-107-121C	10/25/95	CLR	L	Y	REF.REQUEST FOR RELIEF #96-02
B03.090.007A	2RPV-107-121C	10/25/95	CLR	_	Y	REF.REQUEST FOR RELIEF #93-02
B03.090.008	2RPV-107-121D	10/24/95	REC	L	Y	REF.REQUEST FOR RELIEF #96-02

ITEM NUMBER	ID NUMBER	INSPECTION DATE	INSPECTION STATUS	INSPECTION LIMITED	GEO. REF.	COMMENTS
B03.090.008A	2RPV-107-121D	10/24/95	REC	_	Y	REF.REQUEST FOR RELIEF #93-02
B03.100.001	2RPV-105-121A	10/23/95	CLR	L	Y	REF.REQUEST FOR RELIEF #96-02
B03.100.002	2RPV-105-121B	10/24/95	CLR	L	Y	REF.REQUEST FOR RELIEF #96-02
B03.100.003	2RPV-105-121C	10/25/95	CLR	L	Y	REF.REQUEST FOR RELIEF #96-02
B03.100.004	2RPV-105-121D	10/25/95	CLR	L	Y	REF.REQUEST FOR RELIEF #96-02
B03.100.005	2RPV-107-121A	10/24/95	CLR	_	Y	REF.REQUEST FOR RELIEF #93-02
B03.100.006	2RPV-107-121B	10/25/95	CLR	_	Y	REF.REQUEST FOR RELIEF #93-02
B03.100.007	2RPV-107-121C	10/25/95	CLR	_	Y	REF.REQUEST FOR RELIEF #93-02
B03.100.008	2RPV-107-121D	10/24/95	REC	_	Y	REF.REQUEST FOR RELIEF #93-02

ITEM NUMBER	ID NUMBER	INSPECTION DATE	INSPECTION STATUS	INSPECTION LIMITED	GEO. REF.	COMMENTS
B05.010.001	2RPV201-121ASE	10/25/95	CLR	_	Y	CAL.BLK.#50304 NEAR SURF.EXAM
B05.010.001A	2RPV201-121ASE	10/25/95	CLR	_	Y	CAL.BLK.#50304 NEAR SURF.EXAM
B05.010.001B	2RPV201-121ASE	10/09/95	CLR	_	N	
B05.010.002	2RPV201-121BSE	10/25/95	REC	_	Y	CAL.BLK.#50304 NEAR SURF.EXAM
B05.010.002A	2RPV201-121BSE	10/25/95	REC	_	Y	CAL.BLK.#50304 NEAR SURF.EXAM
B05.010.002B	2RPV201-121BSE	10/09/95	CLR	_	N	
B05.010.003	2RPV201-121CSE	10/25/95	CLR	_	N	CAL.BLK.#50304 NEAR SURF.EXAM
B05.010.003A	2RPV201-121CSE	10/25/95	CLR	_	N	CAL.BLK.#50304 NEAR SURF.EXAM
B05.010.003B	2RPV201-121CSE	10/09/95	CLR	_	N	
B05.010.004	2RPV201-121DSE	10/26/95	CLR	_	Y	CAL.BLK.#50304 NEAR SURF.EXAM
B05.010.004A	2RPV201-121DSE	10/26/95	CLR	_	Y	CAL.BLK.#50304 NEAR SURF.EXAM
B05.010.004B	2RPV201-121DSE	10/09/95	CLR	_	N	
B05.010.005	2RPV202-121ASE	10/24/95	CLR	_	Y	REF.REQUEST FOR RELIEF #93-02
B05.010.005A	2RPV202-121ASE	10/24/95	CLR	_	Y	REF.REQUEST FOR RELIEF #93-02
B05.010.006	2RPV202-121BSE	10/25/95	CLR	_	Y	REF.REQUEST FOR RELIEF #93-02

ITEM NUMBER	ID NUMBER	INSPECTION DATE	INSPECTION STATUS	INSPECTION LIMITED	GEO. REF.	COMMENTS
B05.010.006A	2RPV202-121BSE	10/25/95	CLR	_	Y	REF.REQUEST FOR RELIEF #93-02
B05.010.007	2RPV202-121CSE	10/25/95	CLR	_	Y	REF.REQUEST FOR RELIEF #93-02
B05.010.007A	2RPV202-121CSE	10/25/95	CLR	_	Y	REF.REQUEST FOR RELIEF #93-02
B05.010.008	2RPV202-121DSE	10/24/95	CLR	_	Y	REF.REQUEST FOR RELIEF #93-02
B05.010.008A	2RPV202-121DSE	10/24/95	CLR	_	Y	REF.REQUEST FOR RELIEF #93-02
B05.130.001	2NC9-01	10/24/95	CLR	_	Y	REF.REQUEST FOR RELIEF #93-02
B05.130.001A	2NC9-01	10/24/95	CLR	_	Y	REF.REQUEST FOR RELIEF #93-02
B05.130.004	2NC9-08	10/25/95	CLR	_	Y	
B05.130.004A	2NC9-08	10/25/95	CLR	_	Y	
B05.130.004B	2NC9-08	10/09/95	CLR	_	N	
B05.130.005	2NC11-01	10/25/95	CLR	_	Y	REF.REQUEST FOR RELIEF #93-02
B05.130.005A	2NC11-01	10/25/95	CLR	_	Y	REF.REQUEST FOR RELIEF #93-02
B05.130.008	2NC11-08	10/25/95	REC	_	Y	
B05.130.008A	2NC11-08	10/25/95	REC	_	Y	
B05.130.008B	2NC11-08	10/09/95	CLR	_	N	

ITEM NUMBER	ID NUMBER	INSPECTION DATE	INSPECTION STATUS	INSPECTION LIMITED	GEO. REF.	COMMENTS
B05.130.009	2NC13-01	10/25/95	CLR	_	Y	REF.REQUEST FOR RELIEF #93-02
B05.130.009A	2NC13-01	10/25/95	CLR	_	Y	REF.REQUEST FOR RELIEF #93-02
B05.130.012	2NC13-08	10/25/95	CLR	_	N	
B05.130.012A	2NC13-08	10/25/95	CLR	_	N	
B05.130.012B	2NC13-08	10/09/95	CLR	_	N	
B05.130.013	2NC15-01	10/24/95	CLR	_	Y	REF.REQUEST FOR RELIEF #93-02
B05.130.013A	2NC15-01	10/24/95	CLR	_	Y	REF.REQUEST FOR RELIEF #93-02
B05.130.016	2NC15-08	10/26/95	CLR	_	Y	
B05.130.016A	2NC15-08	10/26/95	CLR	_	Y	
B05.130.016B	2NC15-08	10/09/95	CLR	_	N	

ITEM NUMBER	ID NUMBER	INSPECTION DATE	INSPECTION STATUS	INSPECTION LIMITED	GEO. REF.	COMMENTS
B07.070.071	2NV-1A	10/31/95	REC	_	N	
B07.070.072	2NV-2A	10/31/95	REC	_	N	
B07.070.073	2NV-33	10/31/95	CLR	_	N	
B07.070.074	2NV-34	10/31/95	CLR	_	N	
B07.070.075	2NV-37A	10/31/95	CLR	_	N	
B07.070.076	2NV-40	10/31/95	REC	_	N	
B07.070.077	2NV-41	10/31/95	REC	_	N	

ITEM NUMBER	ID NUMBER	INSPECTION DATE	INSPECTION STATUS	INSPECTION LIMITED	GEO. REF.	COMMENTS
B09.011.019	2NC13-06	10/24/95	CLR	L	N	REF.REQUEST FOR RELIEF #96-02
B09.011.019A	2NC13-06	10/24/95	CLR	_	N	
B09.011.354	2NI379-05	10/13/95	CLR	_	Y	
B09.011.354A	2NI379-05	10/13/95	CLR	_	N	
B09.011.355	2NI379-08	10/13/95	CLR	_	Y	
B09.011.355A	2NI379-08	10/13/95	CLR	_	N	
B09.011.356	2NI396-02	10/13/95	CLR	_	N	
B09.011.356A	2NI396-02	10/13/95	CLR	_	N	
B09.011.357	2NI396-04	10/13/95	CLR	_	N	
B09.011.357A	2NI396-04	10/13/95	CLR	_	N	
B09.021.049	2NC74-06	10/12/95	CLR	_	N	
B09.021.050	2NC74-16	10/12/95	CLR	_	N	
B09.021.061	2NC140-0[illegible]	10/12/95	CLR	_	N	
B09.021.062	2NC14[illegible]-05	10/12/95	CLR	_	N	
B09.040.029	2NC81-04	10/12/95	CLR	_	N	

ITEM NUMBER	ID NUMBER	INSPECTION DATE	INSPECTION STATUS	INSPECTION LIMITED	SEQ. REF.	COMMENTS
B09.040.030	2NC81-06	10/12/95	CLR	_	N	
B09.040.031	2NC89-05	10/12/95	CLR	_	N	
B09.040.032	2NC89-07	10/12/95	CLR	_	N	
B09.040.115	2NI306-03	10/12/95	CLR	_	N	
B09.040.116	2NI306-06	10/12/95	CLR	_	N	
B09.040.117	2NI322-02	10/20/95	CLR	_	N	
B09.040.118	2NI322-04	10/20/95	CLR	_	N	
B09.040.119	2NI396-13	10/12/95	CLR	_	N	
B09.040.120	2NI396-18	10/12/95	CLR	_	N	
B09.040.121	2NI396-20	10/12/95	CLR	_	N	
B09.040.122	2NI396-21	10/12/95	CLR	_	N	

ITEM NUMBER	ID NUMBER	INSPECTION DATE	INSPECTION STATUS	INSPECTION LIMITED	GEO. REF.	COMMENTS
B12.040.002D	2ND-37A	10/25/95	CLR	L	N	REF.REQUEST FOR RELIEF #96-02
B12.050.002A	2NC-27	__/__/__		_	_	REF.REQUEST FOR RELIEF #95-02
B12.050.002B	2NC-29	__/__/__		_	_	REF.REQUEST FOR RELIEF #95-02
B12.050.003A	2ND-1B	__/__/__		_	_	REF.REQUEST FOR RELIEF #95-02
B12.050.003B	2ND-2A	__/__/__		_	_	REF.REQUEST FOR RELIEF #95-02
B12.050.003C	2ND-36B	__/__/__		_	_	REF.REQUEST FOR RELIEF #95-02
B12.050.003D	2ND-37A	__/__/__		_	_	REF.REQUEST FOR RELIEF #95-02
B12.050.004A	2NI-54A	__/__/__		_	_	REF.REQUEST FOR RELIEF #95-02
B12.050.004B	2NI-65B	__/__/__		_	_	REF.REQUEST FOR RELIEF #95-02
B12.050.004C	2NI-76A	__/__/__		_	_	REF.REQUEST FOR RELIEF #95-02
B12.050.004D	2NI-88B	__/__/__		_	_	REF.REQUEST FOR RELIEF #95-02

ITEM NUMBER	ID NUMBER	INSPECTION DATE	INSPECTION STATUS	INSPECTION LIMITED	GEO. REF.	COMMENTS
B13.010.001	2RPV-INTERI	10/26/95	CLR	_	N	
B13.031.001	2RPV-CLEVIS	10/26/95	CLR	_	N	
B13.032.001	2RPV-CORE-SUP	10/26/95	CLR	_	N	

ITEM NUMBER	ID NUMBER	INSPECTION DATE	INSPECTION STATUS	INSPECTION LIMITED	GEO. REF.	COMMENTS
C01.020.001	2SGD-06B-07	10/15/95	CLR	_	N	

ITEM NUMBER	ID NUMBER	INSPECTION DATE	INSPECTION STATUS	INSPECTION LIMITED	GEO. REF.	COMMENTS
C02.021.010	2SGD-UH-15	10/17/95	REC	_	N	
C02.021.010A	2SGD-UH-15	10/15/95	CLR	_	N	
C02.022.007	2SGD-UH-15	10/15/95	CLR	L	N	REF.REQUEST FOR RELIEF #96-02

ITEM NUMBER	ID NUMBER	INSPECTION DATE	INSPECTION STATUS	INSPECTION LIMITED	GEO. REF.	COMMENTS
C03.010.005	2ACCB-LUG-1	11/01/95	CLR	_	N	
C03.010.006	2ACCB-LUG-2	11/01/95	CLR	_	N	
C03.010.007	2RHRA-W5	08/03/94	CLR	_	N	
C03.020.001	2-R-CF-1582	10/26/95	CLR	_	N	
C03.020.002	2-R-CF-1584	10/26/95	CLR	_	N	
C03.020.003	2-R-CF-1585	10/26/95	CLR	_	N	
C03.020.004	2-R-CF-1521	10/26/95	CLR	_	N	
C03.020.006	2-R-CF-1563	10/27/95	CLR	_	N	
C03.020.007	2-R-CF-1564	10/27/95	CLR	_	N	

ITEM NUMBER	ID NUMBER	INSPECTION DATE	INSPECTION STATUS	INSPECTION LIMITS	GEO. REF.	COMMENTS
C05.011.046	2CA153-49	10/30/95	CLR	_	N	
C05.011.047	2CA153-50	10/30/95	CLR	_	N	
C05.011.048	2CA155-24	10/27/95	CLR	_	N	
C05.011.049	2CA155-26	10/27/95	CLR	_	N	
C05.011.050	2CA155-27	10/27/95	CLR	_	N	
C05.011.051	2CA155-28	10/27/95	CLR	_	N	
C05.011.052	2CA156-30	10/27/95	CLR	_	N	
C05.011.053	2CA156-31	10/27/95	CLR	_	N	
C05.011.054	2CA156-32	10/27/95	CLR	_	N	
C05.011.055	2CA59-22	10/18/95	CLR	_	N	
C05.011.056	2CA59-23	10/18/95	CLR	_	N	
C05.011.057	2CA59-25	10/18/95	CLR	_	N	
C05.011.058	2CA59-26	10/18/95	CLR	_	N	
C05.011.059	2CA60-20	10/18/95	CLR	_	N	
C05.011.060	2CA60-21	10/18/95	CLR	_	N	

ITEM NUMBER	ID NUMBER	INSPECTION DATE	INSPECTION STATUS	INSPECTION LIMITED	GEO. REF.	COMMENTS
C05.011.061	2CA92-21	10/18/95	CLR	_	N	
C05.011.062	2CA92-22	10/18/95	CLR	_	N	
C05.011.063	2CA92-23	10/18/95	CLR	_	N	
C05.011.064	2CA92-24	10/18/95	CLR	_	N	
C05.011.065	2CA153-48	10/30/95	CLR	_	N	
C05.011.066	2CA155-25	10/27/95	CLR	_	N	
C05.011.067	2CA155-29	10/27/95	CLR	_	N	
C05.011.068	2CA156-29	10/27/95	CLR	_	N	
C05.011.069	2CA94-24	10/18/95	CLR	_	N	
C05.011.195	2ND20-05	08/04/94	CLR	_	N	
C05.011.196	2ND20-08	08/02/94	CLR	_	N	
C05.011.197	2ND20-09	08/02/94	CLR	_	N	
C05.011.201	2ND22-02	10/05/95	CLR	_	N	
C05.011.202	2ND22-04	08/04/94	CLR	_	N	
C05.011.203	2ND23-02	08/02/94	CLR	_	N	

ITEM NUMBER	ID NUMBER	INSPECTION DATE	INSPECTION STATUS	INSPECTION LIMITED	GEO. REF.	COMMENTS
C05.011.204	2ND23-04	08/04/94	CLR	_	N	
C05.011.205	2ND23-09	08/04/94	CLR	_	N	
C05.011.206	2ND23-10	08/04/94	CLR	_	N	
C05.011.207	2ND23-12	08/04/94	CLR	_	N	
C05.011.208	2ND20-04	08/04/94	CLR	_	N	
C05.011.209	2ND24-02	08/08/94	CLR	_	N	
C05.011.210	2ND24-04	08/08/94	CLR	_	N	
C05.011.211	2ND24-06	08/08/94	CLR	_	N	
C05.011.212	2ND24-08	08/02/94	CLR	_	N	
C05.011.213	2ND24-16	08/02/94	CLR	_	N	
C05.011.214	2ND24-17	08/02/94	CLR	_	N	
C05.011.215	2ND25-02	08/03/94	CLR	_	N	
C05.011.216	2ND25-10	08/03/94	CLR	_	N	
C05.011.217	2ND25-19	08/03/94	CLR	_	N	
C05.011.218	2ND26-12	08/02/94	CLR	_	N	

ITEM NUMBER	ID NUMBER	INSPECTION DATE	INSPECTION STATUS	INSPECTION LIMITED	GEO. REF.	COMMENTS
C05.011.219	2ND26-16	08/01/94	CLR	_	N	
C05.011.220	2ND27-08	08/02/94	CLR	_	N	
C05.011.221	2ND27-12	08/03/94	CLR	_	N	
C05.011.222	2ND28-13	08/02/94	CLR	_	N	
C05.011.223	2ND28-16	08/02/94	CLR	_	N	
C05.011.224	2ND30-01	10/23/95	REC	_	N	
C05.011.225	2ND30-02	10/20/95	CLR	_	N	
C05.011.227	2ND34-04	08/04/94	CLR	_	N	
C05.011.228	2ND34-17	08/04/94	CLR	_	N	
C05.011.229	2ND40-06	08/01/94	CLR	_	N	
C05.011.230	2ND41-21	08/03/94	CLR	_	N	
C05.011.231	2ND41-23	08/03/94	CLR	_	N	
C05.011.232	2ND41-24	08/03/94	CLR	_	N	
C05.011.233	2ND41-25	08/03/94	CLR	_	N	
C05.011.238	2ND43-04	08/11/94	CLR	_	N	

ITEM NUMBER	ID NUMBER	INSPECTION DATE	INSPECTION STATUS	INSPECTION LIMITED	GEO. REF.	COMMENTS
C05.011.239	2ND43-05	08/11/94	CLR	_	N	
C05.011.240	2ND44-20	08/11/94	CLR	_	N	
C05.011.241	2ND45-08	08/23/94	CLR	_	N	
C05.011.242	2ND45-09	08/23/94	CLR	_	N	
C05.011.243	2ND46-03	08/11/94	CLR	_	N	
C05.011.244	2ND46-04	08/11/94	CLR	_	N	
C05.011.245	2ND46-05	08/11/94	CLR	_	N	
C05.011.246	2ND46-07	08/11/94	CLR	_	N	
C05.011.247	2ND47-02	08/11/94	CLR	_	N	
C05.011.248	2ND47-16	08/11/94	CLR	_	N	
C05.011.249	2ND48-10	08/11/94	CLR	_	N	
C05.011.250	2ND48-15	08/17/94	CLR	_	N	
C05.011.251	2ND48-14	08/11/94	CLR	_	N	
C05.011.252	2ND49-01	08/11/94	CLR	_	N	
C05.011.253	2ND49-03	08/11/94	CLR	_	N	

ITEM NUMBER	ID NUMBER	INSPECTION DATE	INSPECTION STATUS	INSPECTION LIMITED	GEO. REF.	COMMENTS
C05.011.254	2ND49-04	08/11/94	CLR	_	N	
C05.011.255	2ND49-08	08/11/94	CLR	_	N	
C05.011.256	2ND49-14	08/11/94	CLR	_	N	
C05.011.257	2ND50-02	08/15/94	CLR	_	N	
C05.011.258	2ND50-03	08/15/94	CLR	_	N	
C05.011.259	2ND50-11	08/17/94	CLR	_	N	
C05.011.260	2ND50-18	08/15/94	CLR	_	N	
C05.011.261	2ND51-10	08/15/94	CLR	_	N	
C05.011.262	2ND51-11	08/15/94	CLR	_	N	
C05.011.263	2ND51-12	08/15/94	CLR	_	N	
C05.011.264	2ND51-13	08/15/94	CLR	_	N	
C05.011.265	2ND97-05	08/17/94	CLR	_	N	
C05.011.266	2ND97-07	08/17/94	CLR	_	N	
C05.011.267	2ND97-14	08/17/94	CLR	_	N	
C05.011.268	2ND97-19	08/17/94	CLR	_	N	

ITEM NUMBER	ID NUMBER	INSPECTION DATE	INSPECTION STATUS	INSPECTION LIMITED	GEO. REF.	COMMENTS
C05.011.312	2NI27-01	10/30/95	CLR	_	N	
C05.011.313	2NI27-02	10/30/95	CLR	_	N	
C05.011.314	2NI27-03	10/30/95	CLR	_	N	
C05.011.315	2NI27-04	10/30/95	CLR	_	N	
C05.011.316	2NI27-12	10/30/95	CLR	_	N	
C05.011.317	2NI35-04	10/30/95	CLR	_	N	
C05.011.318	2NI35-10	10/30/95	CLR	_	N	
C05.011.319	2NI35-12	10/30/95	CLR	_	N	
C05.011.402	2SM40-04	10/25/95	CLR	_	N	
C05.011.403	2SM51-01	10/27/95	CLR	_	N	
C05.011.404	2SM46-04	10/30/95	CLR	_	N	
C05.011.405	2SM57-02	10/24/95	CLR	_	N	
C05.011.462	2SV15-02	10/27/95	CLR	_	N	
C05.011.463	2SV15-03	10/27/95	CLR	_	N	
C05.011.464	2SV15-05	10/27/95	CLR	_	N	

ITEM NUMBER	ID NUMBER	INSPECTION DATE	INSPECTION STATUS	INSPECTION LIMITED	GEO. REF.	COMMENTS
C05.011.465	2SV15-06	10/27/95	CLR	_	N	
C05.012.039	2ND20-05L	08/04/94	CLR	_	N	
C05.012.040	2ND20-08L	08/02/94	CLR	_	N	
C05.012.041	2ND20-09L	08/02/94	CLR	_	N	
C05.012.045	2ND22-02L	10/05/95	CLR	_	N	
C05.012.046	2ND23-02L	08/02/94	CLR	_	N	
C05.012.047	2ND23-04L	08/04/94	CLR	_	N	
C05.012.048	2ND23-09L	08/04/94	CLR	_	N	
C05.012.049	2ND23-12L	08/04/94	CLR	_	N	
C05.012.050	2ND20-04L	08/04/94	CLR	_	N	
C05.012.051	2ND24-02L	08/08/94	CLR	_	N	
C05.012.052	2ND24-04L	08/08/94	CLR	_	N	
C05.012.053	2ND24-06L	08/08/94	CLR	_	N	
C05.012.054	2ND24-08L	08/02/94	CLR	_	N	
C05.012.055	2ND25-10L	08/03/94	CLR	_	N	

ITEM NUMBER	ID NUMBER	INSPECTION DATE	INSPECTION STATUS	INSPECTION LIMITED	GEO. REF.	COMMENTS
C05.012.056	2ND25-19L	08/03/94	CLR	_	N	
C05.012.057	2ND26-16L	08/01/94	CLR	_	N	
C05.012.058	2ND27-08L	08/02/94	CLR	_	N	
C05.012.059	2ND27-12L	08/03/94	CLR	_	N	
C05.012.060	2ND28-16L	08/02/94	CLR	_	N	
C05.012.061	2ND30-01L	10/20/95	CLR	_	N	
C05.012.063	2ND34-17L	08/04/94	CLR	_	N	
C05.012.064	2ND40-06L	08/01/94	CLR	_	N	
C05.012.065	2ND41-21L	08/03/94	CLR	_	N	
C05.012.066	2ND41-24L	08/03/94	CLR	_	N	
C05.012.070	2ND43-04L	08/11/94	CLR	_	N	
C05.012.071	2ND43-05L	08/11/94	CLR	_	N	
C05.012.072	2ND44-20L	08/11/94	CLR	_	N	
C05.012.073	2ND45-08L	08/23/94	CLR	_	N	
C05.012.074	2ND45-09L	08/23/94	CLR	_	N	

ITEM NUMBER	ID NUMBER	INSPECTION DATE	INSPECTION STATUS	INSPECTION LIMITED	GEO. REF.	COMMENTS
C05.012.075	2ND46-03L	08/11/94	CLR	_	N	
C05.012.076	2ND46-05L	08/11/94	CLR	_	N	
C05.012.077	2ND46-07L	08/11/94	CLR	_	N	
C05.012.078	2ND48-10L	08/11/94	CLR	_	N	
C05.012.080	2ND48-14L	08/17/94	CLR	_	N	
C05.012.081	2ND49-01L	08/11/94	CLR	_	N	
C05.012.082	2ND49-03L	08/11/94	CLR	_	N	
C05.012.083	2ND49-04L	08/11/94	CLR	_	N	
C05.012.084	2ND49-08L	08/11/94	CLR	_	N	
C05.012.085	2ND50-03L	08/15/94	CLR	_	N	
C05.012.086	2ND50-18L	08/15/94	CLR	_	N	
C05.012.087	2ND97-05L	08/17/94	CLR	_	N	
C05.012.088	2ND97-07L	08/17/94	CLR	_	N	
C05.012.089	2ND97-14L	08/17/94	CLR	_	N	
C05.012.200	2NI19-05L	11/02/95	CLR	_	N	

ITEM NUMBER	ID NUMBER	INSPECTION DATE	INSPECTION STATUS	INSPECTION LIMITED	GEO. REF.	COMMENTS
C05.012.206	2NI27-02L	10/30/95	CLR	_	N	
C05.012.207	2NI27-12L	10/30/95	CLR	_	N	
C05.012.208	2NI35-04L	10/30/95	CLR	_	N	
C05.012.209	2NI35-12L	10/30/95	CLR	_	N	
C05.012.306	2SV15-02L	10/27/95	CLR	_	N	
C05.012.307	2SV15-05L	10/27/95	CLR	_	N	
C05.021.003	2CA93-01	10/23/95	CLR	_	Y	
C05.021.003A	2CA93-01	10/23/95	CLR	_	N	
C05.021.004	2CA97-01	10/23/95	CLR	_	N	
C05.021.004A	2CA97-01	10/23/95	CLR	_	N	
C05.021.051	2CF38-01	10/19/95	CLR	_	Y	
C05.021.051A	2CF38-01	10/19/95	CLR	_	N	ADDED PER IWC-2430(A)
C05.021.052	2CF-10-C	10/19/95	CLR	_	N	
C05.021.052A	2CF-10-C	10/19/95	CLR	_	N	ADDED PER IWC-2430(A)
C05.021.247	2NI93-14	10/18/95	CLR	_	Y	

ITEM NUMBER	ID NUMBER	INSPECTION DATE	INSPECTION STATUS	INSPECTION LIMITED	GEO. REF.	COMMENTS
C05.021.247A	2NI93-14	10/18/95	CLR	_	N	
C05.021.248	2NI93-16	10/18/95	CLR	_	Y	
C05.021.248A	2NI93-16	10/18/95	CLR	_	N	
C05.021.249	2NI95-01	10/18/95	CLR	_	N	
C05.021.249A	2NI95-01	10/18/95	CLR	_	N	
C05.021.250	2NI95-03	10/18/95	CLR	_	N	
C05.021.250A	2NI95-03	10/18/95	CLR	_	N	
C05.021.251	2NI144-02	10/18/95	CLR	_	N	
C05.021.251A	2NI144-02	10/18/95	CLR	_	N	
C05.021.252	2NI144-04	10/18/95	CLR	_	N	
C05.021.252A	2NI144-04	10/18/95	CLR	_	N	
C05.021.253	2NI144-05	10/18/95	CLR	_	N	
C05.021.253A	2NI144-05	10/18/95	CLR	_	N	
C05.021.422	2SM-8A-B	10/26/95	CLR	_	N	
C05.021.422A	2SM-8A-B	10/26/95	CLR	_	N	

ITEM NUMBER	ID NUMBER	INSPECTION DATE	INSPECTION STATUS	INSPECTION LIMITED	GEO. REF.	COMMENTS
C05.021.423	2SM-8A-F	10/26/95	CLR	_	N	
C05.021.423A	2SM-8A-F	10/26/95	CLR	_	N	
C05.021.424	2SM-8A-C	10/26/95	CLR	_	N	
C05.021.424A	2SM-8A-C	10/26/95	CLR	_	N	
C05.021.425	2SM-8A-D	10/26/95	CLR	_	N	
C05.021.425A	2SM-8A-D	10/26/95	CLR	_	N	
C05.021.467	2SV19-03	10/26/95	CLR	_	N	
C05.021.467A	2SV19-03	10/26/95	CLR	_	N	

ITEM NUMBER	ID NUMBER	INSPECTION DATE	INSPECTION STATUS	INSPECTION LIMITED	GEO. REF.	COMMENTS
C06.020.022	2NI136B	10/30/95	CLR	_	N	
C06.020.040	2SA1	10/31/95	CLR	_	N	
C06.020.060	2SV14	10/26/95	CLR	_	N	
C06.020.061	2SV15	10/26/95	CLR	_	N	
C06.020.062	2SV16	10/26/95	CLR	_	N	
C06.020.063	2SV17	10/26/95	CLR	_	N	
C06.020.064	2SV18	10/26/95	CLR	_	N	
C06.020.065	2SV20	10/26/95	CLR	_	N	
C06.020.066	2SV21	10/26/95	CLR	_	N	
C06.020.067	2SV22	10/26/95	CLR	_	N	
C06.020.068	2SV23	10/26/95	CLR	_	N	
C06.020.069	2SV24	10/26/95	CLR	_	N	

ITEM NUMBER	ID NUMBER	INSPECTION DATE	INSPECTION STATUS	INSPECTION LIMITED	GEO. REF.	COMMENTS
D02.020.003	2-R-KC-0054	11/02/95	CLR	_	N	
D02.020.004	2-R-KC-0313	04/12/95	CLR	_	N	
D02.020.022	2-R-RN-0226	05/18/95	CLR	_	N	
D02.020.023	2-R-RN-0239	05/18/95	CLR	_	N	
D02.020.031	2-R-SA-0008	11/02/95	CLR	_	N	

ITEM NUMBER	ID NUMBER	INSPECTION DATE	INSPECTION STATUS	INSPECTION LIMITED	GEO. REF.	COMMENTS
F1.01.133	2-R-NC-1039	10/28/95	CLR	_	N	
F1.01.148	2-R-NC-1695	10/27/95	REC	_	N	
F1.01.149	2-R-NC-1696	10/27/95	REC	_	N	
F1.01.150	2-R-NC-1697	11/03/95	CLR	_	N	
F1.01.151	2-R-NC-1698	10/27/95	CLR	_	N	
F1.01.152	2-R-NC-1687	10/27/95	CLR	_	N	
F1.01.153	2-R-NC-1688	10/27/95	CLR	_	N	
F1.01.154	2-R-NC-1689	11/09/95	REC	_	N	
F1.01.155	2-R-NC-1690	10/27/95	CLR	_	N	
F1.01.156	2-R-NC-1691	11/13/95	CLR	_	N	
F1.01.157	2-R-NC-1693	10/27/95	CLR	_	N	
F1.01.158	2-R-NC-1694	11/03/95	CLR	_	N	
F1.01.159	2-R-NC-1699	10/27/95	CLR	_	N	
F1.01.160	2-R-NC-1700	11/13/95	CLR	_	N	
F1.01.161	2-R-NC-1705	11/13/95	CLR	_	N	

ITEM NUMBER	ID NUMBER	INSPECTION DATE	INSPECTION STATUS	INSPECTION LIMITED	GEO. REF.	COMMENTS
F1.01.162	2-R-NC-1707	10/27/95	CLR	_	N	
F1.01.163	2-R-NC-1674	10/27/95	CLR	_	N	
F1.01.164	2-R-NC-1675	11/13/95	CLR	_	N	
F1.01.165	2-R-NC-1667	11/09/95	CLR	_	N	
F1.01.166	2-R-NC-1670	10/27/95	CLR	_	N	
F1.01.167	2-R-NC-1671	10/27/95	CLR	_	N	
F1.01.168	2-R-NC-1672	10/27/95	CLR	_	N	
F1.01.169	2-R-NC-1680	10/27/95	CLR	_	N	
F1.01.170	2-R-NC-1681	10/27/95	CLR	_	N	
F1.01.171	2-R-NC-1500	11/03/95	CLR	_	N	
F1.01.172	2-R-NC-1501	11/03/95	CLR	_	N	
F1.01.173	2-R-NC-1502	11/03/95	CLR	_	N	
F1.01.174	2-R-NC-1998	11/11/95	CLR	_	N	
F1.01.175	2-R-NC-1999	11/09/95	CLR	_	N	
F1.01.176	2-R-NC-2000	11/03/95	CLR	_	N	

ITEM NUMBER	ID NUMBER	INSPECTION DATE	INSPECTION STATUS	INSPECTION LIMITED	GEO. REF.	COMMENTS
F1.01.177	2-R-NC-2002	10/31/95	CLR	_	N	
F1.01.178	2-R-NC-2003	10/31/95	CLR	_	N	
F1.01.179	2-R-NC-2004	10/31/95	CLR	_	N	
F1.01.180	2-R-NC-2005	10/31/95	CLR	_	N	
F1.01.485	2-R-NI-1008	11/05/95	CLR	_	N	
F1.01.486	2-R-NI-1009	11/05/95	CLR	_	N	
F1.01.489	2-R-NI-1012	11/05/95	CLR	_	N	
F1.01.490	2-R-NI-1014	11/05/95	CLR	_	N	
F1.01.707	2RCPA-COLUMNS	11/02/95	CLR	_	N	
F1.01.708	2RCPD-SUPPORT	11/02/95	CLR	_	N	
F1.02.055	2-R-CA-1035	11/03/95	REC	_	N	
F1.02.058	2-R-CA-1018	10/28/95	CLR	_	N	
F1.02.059	2-R-CA-1019	10/28/95	CLR	_	N	
F1.02.061	2-R-CA-1021	10/28/95	CLR	_	N	
F1.02.063	2-R-CA-1023	10/28/95	CLR	_	N	

ITEM NUMBER	ID NUMBER	INSPECTION DATE	INSPECTION STATUS	INSPECTION LIMITED	GEO. REF.	COMMENTS
F1.02.065	2-R-CA-1025	10/28/95	CLR	_	N	
F1.02.067	2-R-CA-1027	10/28/95	CLR	_	N	
F1.02.068	2-R-CA-1688	10/27/95	CLR	_	N	
F1.02.173	2-R-CF-1004	11/03/95	REC	_	N	
F1.02.403	2-R-ND-0257	08/08/94	CLR	_	N	
F1.02.404	2-R-ND-0259	08/08/94	CLR	_	N	
F1.02.409	2-R-ND-0456	08/08/94	CLR	_	N	
F1.02.410	2-R-ND-0255	08/08/94	REC	_	N	
F1.02.411	2-R-ND-0256	08/08/94	CLR	_	N	
F1.02.415	2-R-ND-0254	08/08/94	REC	_	N	
F1.02.416	2-R-ND-0270	08/08/94	REC	_	N	
F1.02.417	2-R-ND-0457	08/08/94	CLR	_	N	
F1.02.418	2-R-ND-0319	08/08/94	CLR	_	N	
F1.02.421	2-R-ND-0322	08/08/94	CLR	_	N	
F1.02.428	2-R-ND-0263	08/08/94	CLR	_	N	

ITEM NUMBER	ID NUMBER	INSPECTION DATE	INSPECTION STATUS	INSPECTION LIMITED	GEO. REF.	COMMENTS
F1.02.431	2-R-ND-0266	08/08/94	CLR	_	N	
F1.02.432	2-R-ND-0281	08/08/94	CLR	_	N	
F1.02.433	2-R-ND-0468	08/08/94	CLR	_	N	
F1.02.434	2-R-ND-0273	08/08/94	CLR	_	N	
F1.02.435	2-R-ND-027[illegible]	08/08/94	CLR	_	N	
F1.02.436	2-R-ND-0275	08/08/94	CLR	_	N	
F1.02.440	2-R-ND-0373	08/17/94	CLR	_	N	
F1.02.441	2-R-ND-0467	08/08/94	REC	_	N	
F1.02.447	2-R-ND-0140	05/15/95	CLR	_	N	
F1.02.448	2-R-ND-0141	05/15/95	CLR	_	N	
F1.02.449	2-R-ND-0246	05/15/95	CLR	_	N	
F1.02.450	2-R-ND-0496	04/18/95	CLR	_	N	
F1.02.451	2-R-ND-0247	05/15/95	CLR	_	N	
F1.02.452	2-R-ND-0248	05/15/95	CLR	_	N	
F1.02.453	2-R-ND-0316	05/15/95	CLR	_	N	

ITEM NUMBER	ID NUMBER	INSPECTION DATE	INSPECTION STATUS	INSPECTION LIMITED	GEO. REF.	COMMENTS
F1.02.454	2-R-ND-0317	05/15/95	CLR	_	N	
F1.02.455	2-R-ND-0318	05/15/95	CLR	_	N	
F1.02.456	2-R-ND-0328	04/18/95	CLR	_	N	
F1.02.457	2-R-ND-0329	04/18/95	CLR	_	N	
F1.02.458	2-R-ND-0330	04/18/95	CLR	_	N	
F1.02.459	2-R-ND-0331	04/18/95	CLR	_	N	
F1.02.460	2-R-ND-0312	05/15/95	CLR	_	N	
F1.02.461	2-R-ND-0313	05/15/95	CLR	_	N	
F1.02.463	2-R-ND-0315	05/15/95	CLR	_	N	
F1.02.464	2-R-ND-0212	05/15/95	CLR	_	N	
F1.02.465	2-R-ND-0213	05/15/95	CLR	_	N	
F1.02.466	2-R-ND-0361	04/18/95	CLR	_	N	
F1.02.467	2-R-ND-0362	04/18/95	CLR	_	N	
F1.02.468	2-R-ND-0363	04/26/95	CLR	_	N	
F1.02.469	2-R-ND-0365	04/18/95	CLR	_	N	

ITEM NUMBER	ID NUMBER	INSPECTION DATE	INSPECTION STATUS	INSPECTION LIMITED	GEO. REF.	COMMENTS
F1.02.470	2-R-ND-0366	04/18/95	CLR	_	N	
F1.02.471	2-R-ND-0348	04/18/95	CLR	_	N	
F1.02.472	2-R-ND-0349	04/18/95	CLR	_	N	
F1.02.612	2-R-NI-1518	05/03/95	CLR	_	N	
F1.02.613	2-R-NI-1519	05/03/95	CLR	_	N	
F1.02.614	2-R-NI-1521	05/03/95	CLR	_	N	
F1.02.615	2-R-NI-0166	04/10/95	CLR	_	N	
F1.02.859	2-R-SM-1012	11/03/95	CLR	_	N	
F1.02.869	2-R-SM-1022	11/03/95	CLR	_	N	
F1.02.877	2-R-SM-1030	10/28/95	CLR	_	N	
F1.02.878	2-R-SM-1031	10/28/95	CLR	_	N	
F1.02.879	2-R-SM-1032	11/05/95	CLR	_	N	
F1.02.880	2-R-SM-1033	10/28/95	CLR	_	N	
F1.02.881	2-R-SM-1034	10/28/95	CLR	_	N	
F1.02.882	2-R-SM-1035	10/28/95	CLR	_	N	

ITEM NUMBER	ID NUMBER	INSPECTION DATE	INSPECTION STATUS	INSPECTION LIMITED	GEO. REF.	COMMENTS
F1.02.883	2-R-SM-1036	10/28/95	CLR	_	N	
F1.02.884	2-R-SM-1037	11/01/95	CLR	_	N	
F1.02.885	2-R-SM-1038	10/28/95	CLR	_	N	
F1.02.886	2-R-SM-1039	10/28/95	CLR	_	N	
F1.02.945	2-R-SV-1589	10/27/95	CLR	_	N	
F1.02.947	2-R-SV-1591	10/27/95	CLR	_	N	
F1.02.948	2-R-SV-1592	10/27/95	CLR	_	N	
F1.02.976	2ACCB-SKIRT	11/02/95	REC	_	N	
F1.03.118	2-R-CA-0231	06/06/95	CLR	_	N	
F1.03.119	2-R-CA-0232	06/06/95	CLR	_	N	
F1.03.120	2-R-CA-0241	06/06/95	CLR	_	N	
F1.03.121	2-R-CA-0244	06/06/95	CLR	_	N	
F1.03.123	2-R-CA-0200	06/06/95	CLR	_	N	
F1.03.124	2-R-CA-0201	06/06/95	CLR	_	N	
F1.03.125	2-R-CA-0202	06/06/95	CLR	_	N	

ITEM NUMBER	ID NUMBER	INSPECTION DATE	INSPECTION STATUS	INSPECTION LIMITED	GEO. REF.	COMMENTS
F1.03.126	2-R-CA-0203	06/06/95	CLR	_	N	
F1.03.127	2-R-CA-0160	06/06/95	CLR	_	N	
F1.03.128	2-R-CA-0161	06/06/95	CLR	_	N	
F1.03.129	2-R-CA-0162	06/06/95	CLR	_	N	
F1.03.130	2-R-CA-0163	06/06/95	CLR	_	N	
F1.03.131	2-R-CA-0164	06/06/95	CLR	_	N	
F1.03.132	2-R-CA-0165	06/06/95	CLR	_	N	
F1.03.133	2-R-CA-0166	06/06/95	CLR	_	N	
F1.03.134	2-R-CA-0167	06/06/95	CLR	_	N	
F1.03.135	2-R-CA-0168	06/06/95	CLR	_	N	
F1.03.393	2-R-KC-0077	04/10/95	CLR	_	N	
F1.03.394	2-R-KC-0078	04/10/95	CLR	_	N	
F1.03.397	2-R-KC-0081	04/10/95	CLR	_	N	
F1.03.405	2-R-KC-0084	04/10/95	CLR	_	N	
F1.03.422	2-R-KC-0313	04/12/95	CLR	_	N	

ITEM NUMBER	ID NUMBER	INSPECTION DATE	INSPECTION STATUS	INSPECTION LIMITED	GEO. REF.	COMMENTS
F1.03.427	2-R-KC-0054	04/11/95	CLR	_	N	
F1.03.430	2-R-KC-0058	08/08/94	CLR	_	N	
F1.03.462	2-R-KC-0250	04/10/95	CLR	_	N	
F1.03.463	2-R-KC-0251	04/10/95	CLR	_	N	
F1.03.464	2-R-KC-0252	05/01/95	CLR	_	N	
F1.03.465	2-R-KC-0253	04/12/95	CLR	_	N	
F1.03.466	2-R-KC-0254	04/24/95	CLR	_	N	
F1.03.467	2-R-KC-0364	04/12/95	CLR	_	N	
F1.03.468	2-R-KC-0407	04/12/95	CLR	_	N	
F1.03.470	2-R-KC-0193	04/10/95	CLR	_	N	
F1.03.471	2-R-KC-0148	05/01/95	CLR	_	N	
F1.03.472	2-R-KC-0151	04/10/95	CLR	_	N	
F1.03.473	2-R-KC-0152	05/01/95	CLR	_	N	
F1.03.474	2-R-KC-0145	05/01/95	CLR	_	N	
F1.03.475	2-R-KC-0146	05/01/95	CLR	_	N	

ITEM NUMBER	ID NUMBER	INSPECTION DATE	INSPECTION STATUS	INSPECTION LIMITED	GEO. REF.	COMMENTS
F1.03.476	2-R-KC-0147	05/01/95	CLR	_	N	
F1.03.477	2-R-KC-0344	04/12/95	CLR	_	N	
F1.03.478	2-R-KC-0345	04/12/95	CLR	_	N	
F1.03.479	2-R-KC-0346	04/12/95	CLR	_	N	
F1.03.480	2-R-KC-0347	04/12/95	REC	_	N	
F1.03.481	2-R-KC-0348	04/11/95	CLR	_	N	
F1.03.482	2-R-KC-0349	04/11/95	CLR	_	N	
F1.03.483	2-R-KC-0350	04/12/95	CLR	_	N	
F1.03.484	2-R-KC-0351	04/11/95	CLR	_	N	
F1.03.485	2-R-KC-0597	04/12/95	CLR	_	N	
F1.03.486	2-R-KC-0598	04/11/95	CLR	_	N	
F1.03.487	2-R-KC-0340	04/12/95	CLR	_	N	
F1.03.488	2-R-KC-0341	04/12/95	CLR	_	N	
F1.03.489	2-R-KC-0342	04/12/95	CLR	_	N	
F1.03.490	2-R-KC-0218	04/10/95	CLR	_	N	

ITEM NUMBER	ID NUMBER	INSPECTION DATE	INSPECTION STATUS	INSPECTION LIMITED	GEO. REF.	COMMENTS
F1.03.491	2-R-KC-0219	04/10/95	CLR	_	N	
F1.03.492	2-R-KC-0220	05/01/95	CLR	_	N	
F1.03.493	2-R-KC-0221	05/01/95	CLR	_	N	
F1.03.661	2-R-KD-0020	05/02/95	CLR	_	N	
F1.03.662	2-R-KD-0021	05/02/95	CLR	_	N	
F1.03.663	2-R-KD-0022	04/11/95	CLR	_	N	
F1.03.664	2-R-KD-0013	04/11/95	CLR	_	N	
F1 03.666	2-R-KD-0015	04/11/95	CLR	_	N	
F1.03.668	2-R-KD-0017	04/11/95	CLR	_	N	
F1.03.670	2-R-KD-0032	04/11/95	CLR	_	N	
F1.03.671	2-R-KD-0033	05/02/95	CLR	_	N	
F1.03.672	2-R-KD-0034	05/01/95	CLR	_	N	
F1.03.673	2-R-KD-0002	05/01/95	CLR	_	N	
F1.03.674	2-R-KD-0003	04/11/95	CLR	_	N	
F1.03.675	2-R-KD-0004	05/01/95	CLR	_	N	

ITEM NUMBER	ID NUMBER	INSPECTION DATE	INSPECTION STATUS	INSPECTION LIMITED	GEO. REF.	COMMENTS
F1.03.677	2-R-KD-0006	05/02/95	CLR	_	N	
F1.03.678	2-R-KD-0007	05/01/95	CLR	_	N	
F1.03.679	2-R-KD-0012	04/11/95	CLR	_	N	
F1.03.721	2-R-LD-0013	04/10/95	CLR	_	N	
F1.03.722	2-R-LD-0014	05/01/95	CLR	_	N	
F1.03.723	2-R-LD-0015	05/01/95	CLR	_	N	
F1.03.724	2-R-LD-0016	04/10/95	CLR	_	N	
F1.03.725	2-R-LD-0006	04/10/95	CLR	_	N	
F1.03.726	2-R-LD-0008	04/10/95	CLR	_	N	
F1.03.727	2-R-LD-0009	04/10/95	CLR	_	N	
F1.03.728	2-R-LD-0011	05/01/95	CLR	_	N	
F1.03.729	2-R-LD-0012	04/10/95	CLR	_	N	
F1.03.730	2-R-LD-0010	05/01/95	CLR	_	N	
F1.03.852	2-R-RN-0079	05/03/95	CLR	_	N	
F1.03.855	2-R-RN-0037	05/03/95	CLR	_	N	

ITEM NUMBER	ID NUMBER	INSPECTION DATE	INSPECTION STATUS	INSPECTION LIMITED	GEO. REF.	COMMENTS
F1.03.866	2-R-RN-0140	05/03/95	CLR	_	N	
F1.03.867	2-R-RN-0006	05/03/95	CLR	_	N	
F1.03.868	2-R-RN-0007	05/04/95	CLR	_	N	
F1.03.869	2-R-RN-0009	05/04/95	CLR	_	N	
F1.03.870	2-R-RN-0001	05/03/95	CLR	_	N	
F1.03.871	2-R-RN-0002	05/03/95	CLR	_	N	
F1.03.872	2-R-RN-0003	05/04/95	CLR	_	N	
F1.03.873	2-R-RN-0005	05/04/95	CLR	_	N	
F1.03.874	2-R-RN-0017	05/04/95	CLR	_	N	
F1.03.875	2-R-RN-0248	05/01/95	CLR	_	N	
F1.03.876	2-R-RN-0027	05/04/95	CLR	_	N	
F1.03.877	2-R-RN-0224	05/01/95	CLR	_	N	
F1.03.878	2-R-RN-0225	05/01/95	CLR	_	N	
F1.03.879	2-R-RN-0226	05/15/95	CLR	_	N	
F1.03.880	2-R-RN-0221	05/04/95	CLR	_	N	

ITEM NUMBER	ID NUMBER	INSPECTION DATE	INSPECTION STATUS	INSPECTION LIMITED	GEO. REF.	COMMENTS
F1.03.881	2-R-RN-0222	05/01/95	CLR	_	N	
F1.03.882	2-R-RN-0223	05/01/95	CLR	_	N	
F1.03.883	2-R-RN-0228	05/02/95	CLR	_	N	
F1.03.884	2-R-RN-0229	05/02/95	CLR	_	N	
F1.03.885	2-R-RN-0230	05/01/95	CLR	_	N	
F1.03.886	2-R-RN-0231	05/01/95	CLR	_	N	
F1.03.887	2-R-RN-0232	05/01/95	CLR	_	N	
F1.03.888	2-R-RN-0233	05/01/95	CLR	_	N	
F1.03.889	2-R-RN-0227	05/01/95	CLR	_	N	
F1.03.890	2-R-RN-0220	05/04/95	CLR	_	N	
F1.03.891	2-R-RN-0237	05/01/95	CLR	_	N	
F1.03.892	2-R-RN-0238	05/01/95	CLR	_	N	
F1.03.893	2-R-RN-0239	05/18/95	CLR	_	N	
F1.03.894	2-R-RN-0234	05/01/95	CLR	_	N	
F1.03.895	2-R-RN-0235	05/01/95	CLR	_	N	

ITEM NUMBER	ID NUMBER	INSPECTION DATE	INSPECTION STATUS	INSPECTION LIMITED	GEO. REF.	COMMENTS
F1.03.896	2-R-RN-0236	05/01/95	CLR	_	N	
F1.03.897	2-R-RN-0241	05/01/95	CLR	_	N	
F1.03.898	2-R-RN-0242	05/01/95	CLR	_	N	
F1.03.899	2-R-RN-0243	05/04/95	CLR	_	N	
F1.03.900	2-R-RN-0244	05/15/95	CLR	_	N	
F1.03.901	2-R-RN-0245	05/01/95	CLR	_	N	
F1.03.902	2-R-RN-0246	05/01/95	CLR	_	N	
F1.03.903	2-R-RN-0240	05/01/95	CLR	_	N	
F1.03.904	2-R-RN-0247	05/01/95	CLR	_	N	

ITEM NUMBER	ID NUMBER	INSPECTION DATE	INSPECTION STATUS	INSPECTION LIMITED	GEO. REF.	COMMENTS
G01.001.001	2RCP-2A	11/02/95	CLR	_	N	
G01.001.002	2RCP-2B	11/01/95	CLR	_	N	
G01.001.003A	2RCP-2C	10/18/95	CLR	_	N	

ITEM NUMBER	ID NUMBER	INSPECTION DATE	INSPECTION STATUS	INSPECTION LIMITED	GEO. REF.	COMMENTS
G03.001.039	2SM-8A-A	10/26/95	CLR	_	Y	
G03.001.039A	2SM-8A-A	10/26/95	CLR	_	N	
G03.001.040	2SM57-10	10/25/95	CLR	_	N	
G03.001.040A	2SM57-10	10/24/95	CLR	_	N	
G03.001.041	2SM-7A-A	10/24/95	CLR	_	Y	
G03.001.041A	2SM-7A-A	10/24/95	CLR	_	N	
G03.001.042	2SM59-04	10/24/95	CLR	_	N	
G03.001.042A	2SM59-04	10/23/95	CLR	_	N	
G03.001.043	2SM59-03	10/24/95	CLR	_	N	
G03.001.043A	2SM59-03	10/23/95	CLR	_	N	
G03.001.044	2SM-5A-A	10/24/95	CLR	_	N	
G03.001.044A	2SM-5A-A	10/24/95	CLR	_	N	
G03.001.045	2SM59-02	10/21/95	CLR	_	Y	
G03.001.045A	2SM59-02	10/21/95	CLR	_	N	
G03.001.046	2SM-4A-A	10/24/95	CLR	_	N	

ITEM NUMBER	ID NUMBER	INSPECTION DATE	INSPECTION STATUS	INSPECTION LIMITED	GEO. REF.	COMMENTS
G03.001.046A	2SM-4A-A	10/24/95	CLR	_	N	
G03.001.047	2SM59-01	10/23/95	REC	_	N	
G03.001.047A	2SM59-01	10/23/95	CLR	_	N	
G03.001.049	2SM59-27	10/21/95	CLR	_	Y	
G03.001.049A	2SM59-27	10/21/95	CLR	_	N	

ITEM NUMBER	ID NUMBER	INSPECTION DATE	INSPECTION STATUS	INSPECTION LIMITED	GEO. REF.	COMMENTS
G04.001.102	2-R-NM-0040	10/27/95	CLR	_	N	
G04.001.103	2-R-NM-0043	10/27/95	CLR	_	N	

ITEM NUMBER	ID NUMBER	INSPECTION DATE	INSPECTION STATUS	INSPECTION LIMITED	GEO. REF.	COMMENTS
G07.001.001	2NI55-08	10/12/95	CLR	_	N	
G07.001.001A	2NI55-08	10/11/95	CLR	_	N	
G07.001.002	2NI55-09	10/12/95	CLR	_	N	
G07.001.002A	2NI55-09	10/11/95	CLR	_	N	
G07.001.003	2NI55-10	10/12/95	CLR	_	N	
G07.001.003A	2NI55-10	10/11/95	CLR	_	N	
G07.001.004	2NI70-03	10/20/95	CLR	_	N	
G07.001.005	2NI75-07	10/20/95	CLR	_	N	
G07.001.006	2NI77-02	10/20/95	CLR	_	N	
G07.001.007	2NI145-02	10/20/95	CLR	_	N	
G07.001.008	2NI183-12	10/12/95	CLR	_	N	
G07.001.008A	2NI183-12	10/11/95	CLR	_	N	
G07.001.009	2NI183-17	10/12/95	CLR	_	N	
G07.001.009A	2NI183-17	10/11/95	CLR	_	N	
G07.001.010	2NI183-18	10/12/95	CLR	_	N	

ITEM NUMBER	ID NUMBER	INSPECTION DATE	INSPECTION STATUS	INSPECTION LIMITED	GEO. REF.	COMMENTS
G07.001.010A	2NI183-18	10/11/95	CLR	_	N	
G07.001.011	2NI184-12	10/12/95	CLR	_	N	
G07.001.011A	2NI184-12	10/11/95	CLR	_	N	
G07.001.012	2NI184-13	10/12/95	CLR	_	N	
G07.001.012A	2NI184-13	10/11/95	CLR	_	N	
G07.001.013	2NI184-14	10/12/95	CLR	_	N	
G07.001.013A	2NI184-14	10/11/95	CLR	_	N	
G07.001.014	2NI185-09	10/12/95	CLR	_	N	
G07.001.014A	2NI185-09	10/11/95	CLR	_	N	
G07.001.015	2NI185-10	10/12/95	CLR	_	N	
G07.001.015A	2NI185-10	10/11/95	CLR	_	N	
G07.001.016	2NI185-11	10/12/95	CLR	_	N	
G07.001.016A	2NI185-11	10/11/95	CLR	_	N	
G07.001.017	2NI295-04	10/20/95	CLR	_	N	
G07.001.018	2NI297-06	10/20/95	CLR	_	N	

ITEM NUMBER	ID NUMBER	INSPECTION DATE	INSPECTION STATUS	INSPECTION LIMITED	GEO. REF.	COMMENTS
G07.001.019	2NI301-04	10/20/95	CLR	_	N	
G07.001.020	2NI400-01	10/20/95	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 Flow Diagram
Examination Date	=	Latest Examination Date
Condition	=	Partial or Complete test
Status	=	Clear, Recordable or Reportable
Comments	=	General and/or Detail Desciption

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

ITEM NO.	DRAWING	DATE LAST EXAMINED	CONDITION	STATUS	COMMENTS
B15.011.001	CN-2553-1.0	11/26/95	COMPLETE	CLEAR	
B15.021.001	CN-2553-1.1	11/27/95	COMPLETE	CLEAR	
B15.031.001	CN-2553-1.0	11/26/95	COMPLETE	CLEAR	
B15.031.002	CN-2553-1.0	11/26/95	COMPLETE	CLEAR	
B15.031.003	CN-2553-1.0	11/26/95	COMPLETE	CLEAR	
B15.031.004	CN-2553-1.0	11/26/95	COMPLETE	CLEAR	
B15.050.001	CN-2553-1.0	11/26/95	COMPLETE	CLEAR	
B15.050.002	CN-2553-1.1	11/26/95	COMPLETE	CLEAR	
B15.050.004	CN-2554-1.0	11/26/95	COMPLETE	CLEAR	
B15.050.006	CN-2561-1.0	11/26/95	COMPLETE	CLEAR	
B15.050.007	CN-2561-1.1	11/26/95	COMPLETE	CLEAR	
B15.050.008	CN-2562-1.0	11/26/95	COMPLETE	CLEAR	

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

ITEM NO.	DRAWING	DATE LAST EXAMINED	CONDITION	STATUS	COMMENTS
B15.050.009	CN-2562-1.1	11/26/95	COMPLETE	CLEAR	
B15.050.010	CN-2562-1.2	11/26/95	COMPLETE	CLEAR	
B15.050.011	CN-2562-1.3	11/26/95	COMPLETE	CLEAR	
B15.051.001	CN-2553-1.0	11/26/95	COMPLETE	CLEAR	
B15.051.002	CN-2553-1.1	11/26/95	COMPLETE	CLEAR	
B15.051.004	CN-2554-1.0	11/26/95	COMPLETE	CLEAR	
B15.051.005	CN-2554-1.5	11/26/95	COMPLETE	CLEAR	
B15.051.006	CN-2561-1.0	11/26/95	COMPLETE	CLEAR	
B15.051.007	CN-2561-1.1	11/26/95	COMPLETE	CLEAR	
B15.051.008	CN-2562-1.0	11/26/95	COMPLETE	CLEAR	
B15.051.009	CN-2562-1.1	11/26/95	COMPLETE	CLEAR	
B15.051.010	CN-2562-1.2	11/26/95	COMPLETE	CLEAR	

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

ITEM NO.	DRAWING	DATE LAST EXAMINED	CONDITION	STATUS	COMMENTS
B15.061.001	CN-2553-1.0	11/26/95	COMPLETE	CLEAR	
B15.061.002	CN-2553-1.0	11/26/95	COMPLETE	CLEAR	
B15.061.003	CN-2553-1.0	11/26/95	COMPLETE	CLEAR	
B15.061.004	CN-2553-1.0	11/26/95	COMPLETE	CLEAR	

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

ITEM NO.	DRAWING	DATE LAST EXAMINED	CONDITION	STATUS	COMMENTS
C07.020.007	CN-2554-1.1	10/12/94	COMPLETE	RECORDABLE	
C07.020.008	CN-2554-1.6	10/12/94	COMPLETE	CLEAR	
C07.020.009	CN-2554-1.6	10/12/94	COMPLETE	CLEAR	
C07.020.020	CN-2563-1.0	06/22/95	COMPLETE	CLEAR	
C07.020.021	CN-2563-1.0	10/20/94	COMPLETE	CLEAR	
C07.020.022	CN-2571-1.0	/ /	NOT TESTED		This item will be completed after EOC7 but before 1st Interval expires.
C07.020.025	CN-2569-1.0	/ /	NOT TESTED		This item will be completed after EOC7 but before 1st Interval expires.
C07.020.026	CN-2569-1.0	/ /	NOT TESTED		This item will be completed after EOC7 but before 1st Interval expires.
C07.040.002	CN-2553-1.1	10/18/95	COMPLETE	CLEAR	
C07.040.004	CN-2553-1.3	11/13/95	COMPLETE	CLEAR	
C07.040.005	CN-2554-1.0	10/12/94	COMPLETE	RECORDABLE	
C07.040.006	CN-2554-1.1	10/12/94	COMPLETE	CLEAR	

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

ITEM NO.	DRAWING	DATE LAST EXAMINED	CONDITION	STATUS	COMMENTS
C07.040.007	CN-2554-1.2	10/12/94	PARTIAL	CLEAR	This item will be completed after EOC7 but before 1st Interval expires.
C07.040.008	CN-2554-1.3	/ /	NOT TESTED		This item will be completed after EOC7 but before 1st Interval expires.
C07.040.010	CN-2554-1.5	10/12/94	COMPLETE	CLEAR	
C07.040.011	CN-2554-1.6	10/12/94	PARTIAL	CLEAR	This item will be completed after EOC7 but before 1st Interval expires.
C07.040.012	CN-2554-1.7	08/22/95	COMPLETE	CLEAR	
C07.040.013	CN-2554-1.8	10/25/95	COMPLETE	CLEAR	
C07.040.014	CN-2555-1.1	10/12/94	COMPLETE	CLEAR	
C07.040.015	CN-1556-1.0	10/12/94	PARTIAL	CLEAR	This item will be completed after EOC7 but before 1st Interval expires.
C07.040.016	CN-2556-2.0	11/07/95	COMPLETE	CLEAR	
C07.040.018	CN-2558-2.0	10/20/95	COMPLETE	CLEAR	
C07.040.019	CN-2559-1.0	11/01/95	COMPLETE	CLEAR	
C07.040.020	CN-2561-1.0	10/12/94	COMPLETE	CLEAR	

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

ITEM NO.	DRAWING	DATE LAST EXAMINED	CONDITION	STATUS	COMMENTS
C07.040.022	CN-2562-1.0	10/12/94	COMPLETE	CLEAR	
C07.040.023	CN-2562-1.1	11/05/95	COMPLETE	CLEAR	
C07.040.024	CN-2562-1.2	11/06/95	PARTIAL	CLEAR	This item will be completed after EOC7 but before 1st Interval expires.
C07.040.025	CN-2562-1.3	11/06/95	PARTIAL	CLEAR	This item will be completed after EOC7 but before 1st Interval expires.
C07.040.027	CN-2563-1.0	06/22/95	PARTIAL	CLEAR	This item will be completed after EOC7 but before 1st Interval expires.
C07.040.028	CN-2565-2.0	11/08/95	COMPLETE	CLEAR	
C07.040.029	CN-2565-2.1	10/09/95	COMPLETE	CLEAR	
C07.040.030	CN-2565-2.4	11/14/95	COMPLETE	CLEAR	
C07.040.031	CN-2565-2.6	10/25/95	COMPLETE	CLEAR	
C07.040.032	CN-1567-1.0	10/12/94	COMPLETE	CLEAR	
C07.040.033	CN-1567-1.1	10/12/94	COMPLETE	CLEAR	
C07.040.034	CN-1567-1.3	10/12/94	COMPLETE	CLEAR	

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

ITEM NO.	DRAWING	DATE LAST EXAMINED	CONDITION	STATUS	COMMENTS
C07.040.035	CN-2568-1.0	10/10/95	COMPLETE	CLEAR	
C07.040.036	CN-2569-1.0	11/14/95	COMPLETE	CLEAR	
C07.040.037	CN-2570-1.0	10/12/94	PARTIAL	CLEAR	This item will be completed after EOC7 but before 1st Interval expires.
C07.040.038	CN-2571-1.0	10/12/94	PARTIAL	CLEAR	This item will be completed after EOC7 but before 1st Interval expires.
C07.040.040	CN-2572-1.1	10/12/94	COMPLETE	CLEAR	
C07.040.041	CN-2572-1.2	10/12/94	COMPLETE	CLEAR	
C07.040.049	CN-2574-2.2	11/13/95	COMPLETE	CLEAR	
C07.040.053	CN-2585-1.0	10/17/95	COMPLETE	CLEAR	
C07.040.055	CN-2592-1.1	11/27/95	COMPLETE	RECORDABLE	
C07.040.059	CN-1599-2.1	10/17/95	COMPLETE	CLEAR	
C07.040.061	CN-1601-3.1	10/23/95	COMPLETE	CLEAR	
C07.040.063	CN-1605-2.1	10/11/95	COMPLETE	CLEAR	

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

ITEM NO.	DRAWING	DATE LAST EXAMINED	CONDITION	STATUS	COMMENTS
C07.040.064	CN-2605-3.2	10/09/95	COMPLETE	CLEAR	
C07.040.065	CN-1554-1.4	10/12/94	COMPLETE	CLEAR	
C07.040.066	CN-2605-1.5	10/21/95	COMPLETE	CLEAR	
C07.060.001	CN-2554-1.2	/ /	NOT TESTED		This item will be completed after EOC7 but before 1st Interval expires.
C07.060.002	CN-2554-1.7	10/12/94	COMPLETE	CLEAR	
C07.060.003	CN-2554-1.7	08/22/95	COMPLETE	CLEAR	
C07.060.006	CN-2562-1.2	11/06/95	COMPLETE	CLEAR	
C07.060.007	CN-2562-1.2	/ /	NOT TESTED		This item will be completed after EOC7 but before 1st Interval expires.
C07.060.008	CN-2563-1.0	06/22/95	COMPLETE	CLEAR	
C07.060.009	CN-2563-1.0	10/20/94	COMPLETE	CLEAR	

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

ITEM NO.	DRAWING	DATE LAST EXAMINED	CONDITION	STATUS	COMMENTS
D01.011.003	CN-2554-1.2	06/14/89	PARTIAL	CLEAR	This item will be completed after EOC7 but before 1st Interval expires.
D01.011.005	CN-2554-1.4	07/27/89	PARTIAL	RECORDABLE	This item will be completed after EOC7 but before 1st Interval expires.
D01.011.007	CN-2554-1.7	06/14/89	PARTIAL	CLEAR	This item will be completed after EOC7 but before 1st Interval expires.
D01.011.011	CN-1554-1.4	06/14/89	PARTIAL	CLEAR	This item will be completed after EOC7 but before 1st Interval expires.

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

ITEM NO.	DRAWING	DATE LAST EXAMINED	CONDITION	STATUS	COMMENTS
D02.011.002	CN-2573-1.0	09/28/95	COMPLETE	RECORDABLE	
D02.011.003	CN-2573-1.1	09/28/95	COMPLETE	CLEAR	
D02.011.007	CN-2573-1.5	09/28/95	COMPLETE	CLEAR	
D02.011.011	CN-2573-2.0	09/28/95	COMPLETE	CLEAR	
D02.011.012	CN-2573-2.1	09/28/95	COMPLETE	CLEAR	
D02.011.017	CN-2574-2.0	07/06/89	PARTIAL	CLEAR	This item will be completed after EOC7 but before 1st Interval expires.
D02.011.018	CN-2574-2.1	10/07/95	PARTIAL	CLEAR	This item will be completed after EOC7 but before 1st Interval expires.
D02.011.019	CN-2574-2.4	07/06/89	PARTIAL	CLEAR	This item will be completed after EOC7 but before 1st Interval expires.
D02.011.020	CN-2574-2.5	10/09/95	PARTIAL	CLEAR	This item will be completed after EOC7 but before 1st Interval expires.
D02.011.021	CN-2592-1.0	07/03/89	PARTIAL	RECORDABLE	This item will be completed after EOC7 but before 1st Interval expires.
D02.011.022	CN-2592-1.1	07/10/89	PARTIAL	RECORDABLE	This item will be completed after EOC7 but before 1st Interval expires.
D02.011.024	CN-2609-1.0	10/07/95	COMPLETE	CLEAR	

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

ITEM NO.	DRAWING	DATE LAST EXAMINED	CONDITION	STATUS	COMMENTS
D02.011.025	CN-2609-2.0	10/07/95	COMPLETE	CLEAR	
D02.011.027	CN-2609-3.0	10/07/95	COMPLETE	CLEAR	
D02.011.028	CN-2609-3.1	10/09/95	COMPLETE	CLEAR	
D02.011.033	CN-2569-1.0	/ /	NOT TESTED		This item will be completed after EOC7 but before 1st Interval expires.
D02.011.034	CN-2609-4.0	10/07/95	COMPLETE	CLEAR	
D02.011.035	CN-2609-4.1	10/09/95	COMPLETE	CLEAR	
D02.012.024	CN-2609-1.0	10/09/95	COMPLETE	RECORDABLE	
D02.012.025	CN-2609-2.0	10/07/95	COMPLETE	CLEAR	
D02.012.026	CN-2609-2.2	10/09/95	COMPLETE	CLEAR	
D02.012.027	CN-2609-3.0	10/07/95	COMPLETE	CLEAR	
D02.012.028	CN-2609-3.1	10/09/95	COMPLETE	CLEAR	

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

ITEM NO.	DRAWING	DATE LAST EXAMINED	CONDITION	STATUS	COMMENTS
D03.011.001	CN-2570-1.0	11/10/95	COMPLETE	CLEAR	
D03.011.002	CN-2570-1.1	09/26/95	COMPLETE	CLEAR	
D03.011.003	CN-2573-1.0	09/28/95	COMPLETE	CLEAR	
D03.011.004	CN-2573-1.2	09/28/95	COMPLETE	CLEAR	
D03.011.005	CN-1573-1.6	09/28/95	COMPLETE	RECORDABLE	
D03.012.001	CN-2570-1.0	09/26/95	COMPLETE	CLEAR	
D03.012.002	CN-2570-1.1	09/26/95	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	96-02
B01.012.007	96-02
B01.012.008	96-02
B01.012.009	96-02
B01.021.001	96-02
B01.022.005	96-02
B01.022.007	96-02
B03.090.005	96-02
B03.090.006	96-02
B03.090.007	96-02
B03.090.008	96-02
B03.100.001	96-02
B03.100.002	96-02
B03.100.003	96-02
B03.100.004	96-02
B09.011.019	96-02
B12.040.002D	96-02
C02.022.007	96-02

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 June 30, 1994 through November 30, 1995 at Catawba Nuclear Station Unit 2 were certified in accordance with the requirements of the 1980 Edition of ASME Section XI with Addenda through Winter 1981. The appropriate certification records for each Duke Power Company inspector are on file at Catawba Nuclear Station or can be obtained through the Corporate Offices in Charlotte, North Carolina. The certification records for the Framatome Technologies inspectors are on file at the Framatome 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 Framatome Technologies inspection equipment are on file at the Framatome 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. However, there were additional inservice inspections performed during Outage 7 as a part of corrective action and/or resolution to the Problem Investigation Process Form listed below.

Problem Investigation Process Form:

PIP Serial No. 2-C94-0874

Catawba Nuclear Station
Problem Investigation Process
Problem Investigation Form

PIP Serial No:	**2-C94-0874**	**LER Serial No:**	
MSE Serial No:	**2-C94-0874**	**Other Report:**	

I. Problem ID

Discovered Time/Date: 09:00 06/20/94 Occurred Time/Date: 09:00 06/20/94

Unit(s): 2 Status at Time Discovered:

	Unit 1	Unit 2
Mode:	N/A	5
% Power:	N/A	0

Unit Status Remarks:

System(s) Affected: NI Safety Injection

Affected Equipment:

WMS Equipment ID No.	Comp. Code	Manufacturer Name

Location of Problem - Bldg: RX Column Line: 54"-280 Elev: 560

Location Remarks:

Method Used to Discover Problem:

Found while Type C testing a new check valve installed per CE4379

Brief Problem Description:

2NI-485 will not pass Type C test

Detail Problem Description:

Minor Mod CE-4379 installed an orifice and check valve (2NI-485) downstream of vent valve 2NI-423 to allow a pressure bleed off path should the NI Pump discharge header begin to pressurize due to leakage past NI check valves. The check valve specified to be used would not pass the Type C leak rate test. Discussions were held and it was decided that a different type of check valve would be more appropriate in this application; however, this new type of valve has a 300 degree limitation.The flow diagram list the design temperature for the line as 650 degrees. Upon further discussion with persons in MCE, it has been discovered that this particular portion of the NI system is analyzed for only 200 degrees from a piping/thermalexpansion standpoint. With leakage past the NI check valves occuring, the possibility for this piping to exceed 200 degrees exist.

Catawba Nuclear Station
Problem Investigation Process
Problem Investigation Form

PIP Serial No:	**2-C94-0874**	**LER Serial No:**
MSE Serial No:	**2-C94-0874**	**Other Report:**

Originated by: GBSAXON Group: SES Date: 06/22/94

Other Units/Components/Systems/Areas Affected (Y,N,U): U

Industry Plants Affected (Y,N,U):

Immediate Corrective Actions:

Valve 2NI-423 will be administratively controlled in the closed position. The possibility for temperature to exceed 200 degrees in this section of piping will be researched.

Originated by: GBSAXON Group: SES Date: 06/22/94

Problem Found While Working with Document No. :

Immediate Corrective Action Work Request / Work Order No. : N/A

	Indiv	Team	Group	Date:
Problem Identified By:	GBSAXON	EWF8374	SES	06/22/94
Problem Entered By:	GBSAXON	EWF8374	SES	06/22/94

II. Significance

Is the Problem Significant? N Action Category: 3
Significance Codes: 5 Operability from Engineering

MSE No: 2-C94-0874 LER No: OEP No:
Other Report Nos:
Event Codes: D6 Engineering\Drawings or calculations

Screening Remarks:
Penetration is currently operable. Addition of new check valve will require reanalysis of NI Piping on this penetration and also calculation of temperature profile from the NC System back to the new check valves at an assumed flow rate or 1 gpm.

Originated by: WM(VIL Group: SES Date: 06/23/94

Catawba Nuclear Station
Problem Investigation Process
Problem Investigation Form

PIP Serial No:	**2-C94-0874**	**LER Serial No:**	
MSE Serial No:	**2-C94-0874**	**Other Report:**	

PIP upgraded to Category 2 on 6/28/94. This is based on the concern of the temperature used for the stress analysis on the NI piping upstream of the first check valve off the loops. Current analysis assumes temperatures < 200 F. If ANY leakage past the primary checks occurs, this temperature will be > 200 F. This will require an Engineering evaluation to determine if an operability issue exists. This also is a past operability concern for Units 1 and 2 and potentially a current operability concern for Unit 2 dependent upon if any leakage past the primary checks occurs when at full system pressure and temperature.

Revised by: EWFRITZ Group: SES Date: 06/28/94

PIP downgraded to an Action Category 3. Engineering evaluation was done and no operability concerns were documented.

Revised by: WFBEAVER Group: SRG Date: 08/26/94

Responsible Group for Proposed Resolution(s):	MCE	Mechanical/Civil Equip
	SES	System Engineering
Responsible Group for Problem Evaluation:	SES	System Engineering
Responsible Group for Overall PIP approval:	SRG	Safety Review

	Indiv	Team	Group	Date:
Screened By:	WMCARWIL	WMC4301	SES	06/23/94

This PIP has been downgraded from an MSE to an LSE status

Present Operability:

Sys/Comp Operable?(Y,N,C,E) :	Y	Status:	Closed
Responsible Group:	SRG		
Required Mode:		Due Date:	06/29/1994
Comments:			

See screening remarks that indicate present operability.

Originated by: JWGLENN Group: SRG Date: 06/29/94

Catawba Nuclear Station
Problem Investigation Process
Problem Investigation Form

PIP Serial No:	**2-C94-0874**	**LER Serial No:**
MSE Serial No:	**2-C94-0874**	**Other Report:**

Indiv		Team	Group	Date
Accepted By :				
Assigned To :	JWGLENN		SRG	06/29/94
Due Date:	06/29/94			
Approved By:	JWGLENN		SRG	06/29/94
Evaluated By :	JWGLENN		SRG	06/29/94

Past Operability:

Sys/Comp Operable?(Y,N,C,E) :	Y	Status:	Closed
Responsible Group:	MCE		
Required Mode:		Due Date:	07/12/94

Comments:

The piping and support / restraints are past operable based on the evaluation of these components to the conditions defined by SES. The evaluations are documented in the Unit 2 Analysis Problems listed below. Reference the following Unit 2 Analysis and Support / Restraint calculations:

ANALYSIS:

NI204 CNC-1206.02-82-0058

NI205 CNC-1206.02-82-0055

NI206 CNC-1206.02-82-0059

NI207 CNC-1206.02-82-0056

SUPPORT / RESTRAINT:

NI204CNC-1206.12-24-1036

NI205 CNC-1206.12-24-1037

NI206 CNC-1206.12-24-1038

NI207 CNC-1206.12-24-1039

Catawba Nuclear Station
Problem Investigation Process
Problem Investigation Form

PIP Serial No:	**2-C94-0874**	**LER Serial No:**	
MSE Serial No:	**2-C94-0874**	**Other Report:**	

The Unit 1 piping and Support / Restraints are also considered past operable per a review by Mark Shutt and Gary Pickeral. This review indicated the piping geometry, support locations and type

aiong with the estimated temperature profiles were sufficiently

similiar to Unit 2.

Originated by: PWGERMER Group: MCE Date: 08/22/94

Revised by:DRKULLA Group: MCE Date: 08/22/94

	Indiv	Team	Group	Date
Accepted By :				
Assigned To :	PWGERMER	DRK8362	MCE	07/08/94
Due Date:	07/12/94			
Approved By:	DRKULLA		MCE	08/22/94
Evaluated By :	DRKULLA		MCE	08/22/94

Reportability:
Problem Reportability?(Y,N,E) : N
Reportable Per: N/A
Responsible Group for Reportability: SRG Due Date: 07/12/94

Comments:
N/A

	Indiv	Team	Group	Date
Accepted By:				
Assigned To:			SRG	06/29/94
Due Date:			SRG	07/12/94
Ready For Approval:				
Approved By:				

Investigation Report:
Responsible Group for Investigation Report: N/A Date:
Investigator: Group: N/A Act Date:
Date Due to VP or Sta. Mgr:

Catawba Nuclear Station
Problem Investigation Process
Problem Investigation Form

PIP Serial No:	**2-C94-0874**	**LER Serial No:**
MSE Serial No:	**2-C94-0874**	**Other Report:**

Date Regulatory or Agency Rpt Due:
Date Investigation Report Approved:
NRC Cause Codes: N/A Cause code not applicable in this case

III. Problem Evaluation

System(s) Affected: NI Safety Injection

Affected Equipment: WMS Equipment ID No.	Comp. Code	Manufacturer Name

Problem Evaluation: Group: SES Status: Closed

Problem caused by original station design considering only normal system operating conditions for pipe stress analysis. This allowed a significant cost savings in the design of system supports and restraints. Consideration for check valve backleakage was not assumed. Subsequent to the design, NRC has issued notices on the potential for thermal stratification in piping due to check valve backleakage. Duke has been evaluating the thermal stratification issue for several years now, but the review had not progressed to this section of NI piping yet.

Originated by: GBSAXON Group: SES Date: 07/14/94

Event	Cause Cd	Cause Description	Primary	Causing Group(s)
D6	M2	Design Analysis	Yes	N/A

Responsible Group(s) for Proposed Resolution:	MCE	Mechanical/Civil Equip
	SES	System Engineering

	Indiv	Team	Group	Date
Accepted By:				
Assigned To:	GBSAXON	EWF8374	SES	06/23/94
Due Date:	07/20/94			
Ready for Approval:	GBSAXON	EWF8374	SES	07/20/94
Approved By:	EWFRITZ		SES	07/20/94
Concurrence:	WFBEAVER		SRG	08/12/94

Proposed Resolution From: Group: MCE Status: Closed

The proposed resolution to this problem will consist of six

parts. These six parts are listed below.

1. Add additional ISI welds to the current list for the up coming outage based on the operability calculation performed for this PIP.

2.Review other possible leak paths that could be pressurizing the NI header.

3. Determine if the existing data collected to date on these same lines at McGuire, could be used to revise the Catawba Class 1 Transient Specification.

4. If theMcGuire data cannot be used, design a modification to instrument these lines to determine the actual temperatures during valve leakage and to determine if thermal stratification exists in the lines during valve leakage.

5. Based on the datagathered under part 3 or 4 a modification would be generated to revise the Catawba Class 1 Transient Specification, and to requalify and or modify the piping as required.

6. Add a request to the Reactor Trip List, that the temperature of these lines be checked the next time they are accessible with the RCL at full temperature and pressure.

Based on further consideration of data to be gathered and the amount of exposure to obtain this information at the time of a Reactor Trip, it wasconcluded to delete this request.

Originated by: JFWILLIS Group: MCE Date: 09/07/94

Catawba Nuclear Station
Problem Investigation Process
Problem Investigation Form

PIP Serial No:	**2-C94-0874**	**LER Serial No:**	
MSE Serial No:	**2-C94-0874**	**Other Report:**	

Revised by: DRKULLA Group: MCE Date: 09/20/94

	Indiv	Team	Group	Date
Accepted By:				
Assigned To:	JFWILLIS	DRK8362	MCE	06/23/94
Due Date:	07/20/94			
Ready for Approval:	JFWILLIS	DRK8362	MCE	09/07/94
Approved By:	DRKULLA		MCE	09/14/94

Proposed Resolution From: Group: SES Status: Closed

The past operability determination for this issue revealed that check valve backleakage is not a problem when considering thermal stresses for normal operation. However, a potential problem can occur during a safety injection when check valve backleakage is present. Therefore, this piping must be analyzed whenever a safety injection (actual or inadvertent) occurs. A correction action is issued for the SES NI system engineer to revise the Technical Support Program for the NI system to include the need to analyze the NI piping after any safety injection.

Originated by: GBSAXON Group: SES Date: 07/14/94

	Indiv	Team	Group	Date
Accepted By:				
Assigned To:	GBSAXON	EWF8374	SES	06/23/94
Due Date:	07/20/94			
Ready for Approval:	GBSAXON	EWF8374	SES	07/20/94
Approved By:	EWFRITZ		SES	07/20/94
Concurrence:	WFBEAVER		SRG	08/12/94

Remarks:

IV. Corrective Actions

Seq. No: 1

Resp Group: SES Event Code: D6
Orig Group: SES Cause Code: M2

Comments

Revise the NI system Tech Support Prgm to include the needto analyze NI CL injection lines following any safetyinjection (actual or inadvertent) for thermal stresses.

Catawba Nuclear Station
Problem Investigation Process
Problem Investigation Form

PIP Serial No:	**2-C94-0874**	**LER Serial No:**
MSE Serial No:	**2-C94-0874**	**Other Report:**

Proposed Corrective Action
Outage: Mode:
Tracking

Prop CAC: Closed

	Indiv	Team	Group	Date
Assigned To:	GBSAXON	EWF8374	SES	06/23/94
Ready for Approval:	EWFRITZ	EWF8374	SES	12/13/94
Approved By:	EWFRITZ		SES	07/20/94

Actual Corrective Action Resolution From:

Actual CAC: Closed
Due Date: 12/17/94

Comments
Per discussion with MCE, analysis of the NI Cold Leg Injection lines following an actual or inadvertent safety injection is not necessary. The current thermal analysis contains "bounding conditions" that qualify the pipe for a given number of safety injections and heatup/cooldown cycles. The number of safety injections and heatup/cooldown cycles are tracked by the Reactor Engineering group. This proposed corrective action is not needed and no further action is required.

Originated by: GBSAXON Group: SES Date: 12/09/94

	Indiv	Team	Group	Date
Accepted By:				
Assigned To:	GBSAXON	EWF8374	SES	07/20/94
Due Date:	12/17/94			
Ready for Approval:	EWFRITZ	EWF8374	SES	12/13/94
Approved By:	EWFRITZ		SES	12/13/94

Seq. No: 2

Resp Group: MCE Event Code: D6
Orig Group: MCE Cause Code: M2

Comments
MCE will be responsible for Parts 1 and 6 of the MCEproposed resolution.

Catawba Nuclear Station
Problem Investigation Process
Problem Investigation Form

PIP Serial No:	**2-C94-0874**	**LER Serial No:**
MSE Serial No:	**2-C94-0874**	**Other Report:**

Proposed Corrective Action
Outage:
Tracking

Mode:

Prop CAC: Closed

	Indiv	Team	Group	Date
Assigned To:	JFWILLIS	DRK8362	MCE	06/23/94
Ready for Approval:	DRKULLA	DRK8362	MCE	09/20/94
Approved By:	DRKULLA		MCE	09/14/94

Actual Corrective Action Resolution From:

Actual CAC: Closed
Due Date: 09/18/94

Comments
Part 1 was completed. A marked up set of weld ISO"s indicating

the additional welds to be inspected was forwarded to Ron C Giles

in the Plant ISI Group. The additional welds will be added to the

augmented inspections for the upcoming Unit 1 outage.

Part 6, the request to obtain temperature information was

deleted. See revised resolution.

Originated by: DRKULLA Group: MCE Date: 09/20/94

	Indiv	Team	Group	Date
Accepted By:				
Assigned To:	JFWILLIS	DRK8362	MCE	09/16/94
Due Date:	09/18/94			
Ready for Approval:	DRKULLA	DRK8362	MCE	09/20/94
Approved By:	DRKULLA		MCE	09/20/94

Seq. No: 3

Resp Group: SES
Orig Group: MCE

Event Code: D6
Cause Code: M2

Comments
SES will be responsible for parts 2 and 3 of the MCEproposed resolution.

Catawba Nuclear Station
Problem Investigation Process
Problem Investigation Form

PIP Serial No:	**2-C94-0874**	**LER Serial No:**
MSE Serial No:	**2-C94-0874**	**Other Report:**

Proposed Corrective Action
Outage: Mode:
Tracking

Prop CAC: Closed

	Indiv	Team	Group	Date
Assigned To:	JFWILLIS	DRK8362	MCE	06/23/94
Ready for Approval:	EWFRITZ	EWF8374	SES	10/11/94
Approved By:	DRKULLA		MCE	09/14/94

Actual Corrective Action Resolution From:

Actual CAC: Closed
Due Date: 09/18/94

Comments
The ECCS team has been reviewing possible leak paths into the NI Pump discharge header for some time. The team feels that the leakage is coming through the NI Cold Leg injection lines based on the following:

1) During Pressure Boundary Valve testing in U2EOC5, the pressure in the NI Pump discharge piping was bled off and the cold leg injection lines isolated by closing 2NI-162A, 2NI-118A and 2NI-150B. Pressure was monitored and no change occurred. This eliminated any leakage coming from the NI hot leg injection lines as well as leakage from the NI test header. Next, valves 2NI-162A, 2NI-118A and 2NI-150B were opened and the NI Pump discharge header subsequently pressurized.

2) While at full power prior to U2EOC6, valve 2NI-95A was opened and pressure observed at 2NIPG5220. Although the NI Pump discharge header was pressurized (>600 psig), 2NIPG5220 only

indicated approximately 100 psig. Once again, this ruled out any pressurization coming from the NI test header.

The ECCS team feels comfortable with identifying the leak path as through the NI Cold Leg Injection lines. However, the specific leak path (Loop A, B, C or D) or combination of loop leak paths has not been determined.

Although temperature data has been obtained at McGuire on these lines, the ECCS team feels that this data alone would not be sufficient to revise the Catawba Class 1 Transient Specification.

The team is still reviewing the possibility of using the McGuire data to supplement some of our calculations.

Originated by: GBSAXON Group: SES Date: 10/11/94

Revised by: GBSAXON Group: SES Date: 10/11/94

	Indiv	Team	Group	Date
Accepted By:				
Assigned To:	GBSAXON	EWF8374	SES	09/16/94
Due Date:	09/18/94			
Ready for Approval:	EWFRITZ	EWF8374	SES	10/11/94

Catawba Nuclear Station
Problem Investigation Process
Problem Investigation Form

PIP Serial No:	**2-C94-0874**	**LER Serial No:**	
MSE Serial No:	**2-C94-0874**	**Other Report:**	

Approved By: EWFRITZ SES 10/12/94

Seq. No: 4

Resp Group: SES Event Code: D6
Orig Group: MCE Cause Code: M2

Comments
SES will be responsible for part 4 of the MCE proposedresolution.

Proposed Corrective Action Prop CAC: Closed
Outage: Mode:
Tracking NS CN-21361

	Indiv	Team	Group	Date
Assigned To:	JFWILLIS	DRK8362	MCE	06/23/94
Ready for Approval:	EWFRITZ	EWF8374	SES	12/13/94
Approved By:	DRKULLA		MCE	09/14/94

Actual Corrective Action Resolution From: Actual CAC: Closed
Due Date: 09/18/94

Comments
A proposed modification has been developed and will be sent to the October activation meeting that will allow the NI Cold Leg Injection lines to be instrumented at various locations to determine actual operating temperatures during check valve leakage. By instrumenting these lines, any thermal stratification that occurs during valve leakage may also be detected. In addition, temperature indication will help in determining which check valves are leaking and in need of maintenance activity. The modification provides a method of recording temperature data during startup/shutdown and normal operating modes via computer without entering containment.

NOTE: The proposed resolution made reference to possibly using

data obtained from McGuire. This option is currently under review; however, due to time constraints, the ECCS team fe!: that the process of developing a modification to instrument Catawba"s injection lines should be started in case the McGuire data could not beused.

Originated by: GBSAXON Group: SES Date: 10/11/94

Waiting on activation of modification before this item can be closed out.

Revised by: EWFRITZ Group: SES Date: 10/18/94

Modification activated on December 7, 1994 activation meeting.

Modification number is CN-21361.

Revised by: EWFRITZ Group: SES Date: 12/13/94

	Indiv	Team	Group	Date
Accepted By:				
Assigned To:	GBSAXON	EWF8374	SES	09/16/94
Due Date:	09/18/94			

Catawba Nuclear Station
Problem Investigation Process
Problem Investigation Form

PIP Serial No:	**2-C94-0874**	**LER Serial No:**	
MSE Serial No:	**2-C94-0874**	**Other Report:**	

Ready for Approval:	EWFRITZ	EWF8374	SES	12/13/94
Approved By:	EWFRITZ		SES	12/13/94

Seq. No: 5

Resp Group: SES
Orig Group: MCE
Event Code: D6
Cause Code: M2

Comments
SES will be responsible for part 5 of the MCE proposedresolution.

Proposed Corrective Action
Prop CAC: Closed
Outage:
Mode:
Tracking

	Indiv	Team	Group	Date
Assigned To:	JFWILLIS	DRK8362	MCE	06/23/94
Ready for Approval:				
Approved By:	DRKULLA		MCE	09/14/94

Actual Corrective Action Resolution From:
Actual CAC: Open
Due Date: 06/30/97

Comments
Management Exception taken. Analysis of pipe thermal data cannot be accomplished until after modification is installed to obtain this data and sufficient operating time has elapsed to gather data for analysis. Earliest modification can be installed is 2EOC7 (Oct 95), followed by one operating cycle to gather data 2EOC8 (Mar 97). Add in three months to evaluate data, places earliest possible date for completion of this item at June 1997.

This date may need to be further revised dependentupon the quality of data received in the first cycle following modification installation.

Originated by: EWFRITZ Group: SES Date: 10/18/94

Catawba Nuclear Station
Problem Investigation Process
Problem Investigation Form

PIP Serial No:	**2-C94-0874**	**LER Serial No:**
MSE Serial No:	**2-C94-0874**	**Other Report:**

Indiv		Team	Group	Date
Accepted By:				
Assigned To:	GBSAXON	EWF8374	SES	09/16/94
Due Date:	06/30/97			
Ready for Approval:				
Approved By:				

V. Final and Overall PIP Approval

Criterion XVI Review:
XVI Review Not Required for this PIP.

Overall PIP Approval:	Indiv	Team	Group	Date
Accepted By:	WFBEAVER	DPK7345	SRG	07/29/95
Assigned To:			SRG	
Due Date:				
Ready for Approval:				
Approved By:				

Supplemental Concurrences - These do not affect PIP closure.

Concurrences Associated with External Committments:

	Indiv	Team	Group	Date
Concurred By:				

VI. Attachments

Environmental:
No Environmental for this PIP.

Maintenance Rule:
No Maintenance Rule for this PIP.

End of the Document for PIP No: 2-C94-0874

Catawba Nuclear Station
Problem Investigation Process
Problem Investigation Form

PIP Serial No:	**2-C94-0874**	**LER Serial No:**	
MSE Serial No:	**2-C94-0874**	**Other Report:**	

The status of this PIP is: Screened
The duration of this PIP was 3 days.

9.0 Reference Documents

The following reference documents apply to the Inservice Inspections performed during Outage 7 at Catawba Nuclear Station Unit 2:

Duke Power Company - Request for Relief Serial No. 93-02

Duke Power Company - Request for Relief Serial No. 95-02

Duke power Company - Request for Relief Serial No. 96-02

Catawba Unit 2 EOC 7 Eddy Current Report (This report is on file at McGuire Nuclear Station - Diversified Services Division / NDE of the Electric System Support Department.)

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:	J. E. O'Kerry	Date:	10-5-93
NDE Level III Review:	James J. McAdler	Date:	10-5-93
Compliance Review:	Lucille B. Jones	Date:	10-6-93
Reviewed By:	[illegible]	Date:	10-6-93

DUKE POWER COMPANY

STATION CATAWBA UNIT 2

10-YEAR INTERVAL REQUEST FOR RELIEF NO. 95-02

I. System/Component(s) for Which Relief is Requested:

ASME Section XI Code Class:1
Examination Category: B-M-2
Valves - Reactor Coolant System(NC) - Valve Body Internal Surfaces

Weld Numbers	Item Numbers
2NC-27	B12.050.002A
2NC-29	B12.050.002B

ASME Section XI Code Class:1
Examination Category: B-M-2
Valves - Residual Heat Removal System(ND) - Valve Body Internal Surfaces

Weld Numbers	Item Numbers
2ND-1B	B12.050.003A
2ND-2A	B12.050.003B
2ND-36B	B12.050.003C
2ND-37A	B12.050.003D

ASME Section XI Code Class:1
Examination Category: B-M-2
Valves - Safety Injection System(NI) - Valve Body Internal Surfaces

Weld Numbers	Item Numbers
2NI-54A	B12.050.004A
2NI-65B	B12.050.004B
2NI-76A	B12.050.004C
2NI-88B	B12.050.004D

II. Code Requirement:

ASME Section XI, Examination Category B-M-2, Pressure Retaining Welds In Pump Casings And Valve Bodies, Table IWB-2500-1, Item No. B12.50 requires a Visual, VT-3 Examination of Valve Body Internal Surfaces, exceeding 4 inch nominal pipe size. Examinations are limited to one valve within each group of valves that are of the same constructional design, manufacturing method, and that perform similar functions in the system.

III. Code Requirement from which Relief is Requested:

Relief is requested from performing the Code-required Visual, VT-3 Examination on one of the valves, in each group of valves identified above.

IV. Basis for Relief:

Since the Code allows deferral of this examination to the end of the interval, each group of valves was scheduled for examination during the First Ten Year Inspection Interval so that the Visual, VT3 Examination could be performed in conjunction with a scheduled maintenance activity where disassembly of a valve body in each group was required. The valves in the three groups from which relief from the Visual, VT3 Examination is requested have not been disassembled during the First Ten Year Inspection Interval for a scheduled maintenance activity. These valves, which are located in a high radiation area, are functioning properly and there is no operating history of any significant problems which would warrant concern. There are no current plans to disassemble any of the valves in these three groups.

V. Alternate Examinations or Testing:

No alternate examinations are proposed to be performed on these valve bodies during the First Ten Year Inspection Interval.

VI. Justification for the Granting of Relief:

This request for relief is based on the requirements of the 1989 Edition of ASME Section XI, which is the latest edition of the Code adopted by 10 CFR 50.55a(b)(2). The 1989 Edition of ASME Section XI, Table IWB-2500-1, Examination Category B-M-2, Valve Bodies, Exceeding NPS 4, Note 2, states that examinations are required only when a valve is disassembled for maintenance, repair, or volumetric examination. Duke Power Company feels that the words in the 1989 Edition clarify the examination requirements intended in the 1980 Edition of ASME Section XI. During the Second Ten Year Inspection Interval, these examinations shall be scheduled to be performed each time disassembly of a valve body in these three groups is required during a normal maintenance activity.

Although the examination requirements of ASME Section XI, 1980 Edition including W81 Addenda, could not be met for the First Ten Year Inspection Interval, it is Duke Power Company's opinion that this will not endanger the health and safety of the general public. The past operating history and performance of these valves has revealed no significant problems. In addition, each valve receives a Visual Examination, VT-2 on the external surfaces during each refueling outage. This examination is performed during normal plant start-up and is used to verify valve integrity and to insure there is no leakage.

A similar Request For Relief, Serial No. 94-03, has been granted for Catawba Unit 1. (Reference NRC acceptance letter dated February 16,1995 - TAC No. M91175.)

VII. Implementation Schedule:

These examinations will be scheduled to be performed during the Second Ten Year Inspection Interval each time these valve bodies are disassembled for maintenance, repair, or volumetric examination.

Evaluated By: J. E. Cherry Date 5/9/95

Reviewed By: J. O. Barlow Date 5/10/95

Duke Power Company

Station Catawba Unit 2

10-YEAR INTERVAL REQUEST FOR RELIEF NO. 96-02

I. System/Component(s) for Which Relief is Requested:

ASME Section XI Code Class 1

Reactor Vessel
Examination Category B-A

Lower Head- to - Shell Circumferential Weld

ID Number	Item Number
2RPV-101-141	B01.011.001

Lower Shell Longitudinal Seams

ID Number	Item Number
2RPV-101-142A	B01.012.007
2RPV-101-142B	B01.012.008
2RPV-101-142C	B01.012.009

Lower Head Circumferential Weld

ID Number	Item Number
2RPV-101-151	B01.021.001

Lower Head Meridonal Welds

ID Number	Item Number
2RPV-101-154A	B01.022.005
2RPV-101-154C	B01.022.007

Examination Category B-D

Outlet Nozzle-to-Vessel Welds

ID Number	Item Number
2RPV-107-121A	B03.090.005
2RPV-107-121B	B03.090.006
2RPV-107-121C	B03.090.007
2RPV-107-121D	B03.090.008

Inlet Nozzle Inside Radius Sections

ID Number	Item Number
2RPV-105-121A	B03.100.001
2RPV-105-121B	B03.100.002
2RPV-105-121C	B03.100.003
2RPV-105-121D	B03.100.004

Class 1 Piping Welds

Examination Category B-J

ID Number	Item Number
2NC13-06	B09.011.019

Class 1 Valve Body Welds

Examination Category B-M-1

ID Number	Item Number
2ND-37A	B12.040.002D

ASME Section XI Code Class 2

Steam Generator 2D Main Steam Nozzle

Examination Category C-B

Nozzle Inside Radius Section

ID Number	Item Number
2SGD-UH-15	C02.022.007

II. Code Requirement:

Examination Category B-A	Pressure Retaining Welds in Reactor Vessel - Figure Nos. IWB-2500-1, IWB-2500-2, IWB-2500-3
Examination Category B-D	Full Penetration Welds of Nozzles in Vessels - Inspection Program B, Figure No. IWB-2500-7(a)
Examination Category B-J	Pressure Retaining Welds in Piping Figure No. IWB-2500-8
Examination Category B-M-1	Pressure Retaining Welds in Valve Bodies - Figure No. IWB-2500-17
Examination Category C-B	Pressure Retaining Nozzle Welds in Vessels - Figure No. IWC-2500-4(b)

III. Code Requirement from which Relief is Requested:

Item Numbers :

B01.011.001	B01.022.005	B03.090.008
B01.012.007	B01.022.007	
B01.012.008	B03.090.005	
B01.012.009	B03.090.006	
B01.021.001	B03.090.007	

ASME Section V, Article 4, T-441.5 Scanning Requirements,
1980 Edition Winter 81 Addenda as modified by Code Case N-460.

This paragraph requires scanning of the examination volume(s) using three angle beams and a straight beam from both sides of the weld. When scanning for reflectors parallel to the weld, the angle beams shall be aimed at right angles to the weld axis, with the search unit(s) manipulated so that the ultrasonic beams pass through the entire volume of weld metal. The adjacent base metal in the examination volume must be completely scanned by two angle beams, but need not be completely scanned by both angles from both directions (any combination of two angle beams will satisfy the requirement).

When scanning for reflectors transverse to the weld, the angle beam search units shall be aimed parallel to the axis of longitudinal and circumferential welds. The search unit shall be manipulated so that the ultrasonic beams pass through all the examination volume. Scanning shall be done in two directions 180 degrees to each other to the extent possible. Areas blocked by geometric conditions shall be examined from at least one direction.

Code Case N-460 allows credit for full volume coverage if it can be shown that at least 90% of the required volume has been examined.

Item Numbers :

B03.100.001
B03.100.002
B03.100.003
B03.100.004

ASME Section XI, 1980 Edition Winter 1981 Addenda, Table IWB-2500-1,
Figure IWB-2500-7(a)

Item Numbers :

B09.011.019
B12.040.002D

ASME Section XI, 1980 Edition Winter 1981 Addenda, Appendix III Paragraph III-4420, as modified by Code Case N-460. The angle beam examinations for reflectors parallel to the weld shall be performed by a full-V path from one side or a one-half V path from two sides of the weld where practicable.

Code Case N-460 allows credit for full volume coverage if it can be shown that at least 90% of the required volume has been examined.

Item Number:

C02.022.007

ASME Section XI, 1980 Edition Winter 1981 Addenda, Table IWC-2500-1, Figure IWC-2500-4(b).

IV. Basis for Relief:

Item Numbers :

B01.011.001	B01.022.005	B03.090.008
B01.012.007	B01.022.007	
B01.012.008	B03.090.005	
B01.012.009	B03.090.006	
B01.021.001	B03.090.007	

The following welds received limited coverage because of Core Guide Lug obstructions:

B01.011.001, W-13 Lower Head-to-Shell Weld = 57%
B01.012.007, W-09 Lower Shell Long. Seam = 81%
B01.012.008, W-10 Lower Shell Long. Seam = 81%
B01.012.009, W-11 Lower Shell Long. Seam = 81%

These welds were examined to the maximum extent practical in accordance with ASME Section V, Article 4 1980 Edition with Winter 1981 Addenda and the additional requirements of Regulatory Guide 1.150.

B01.021.001, W-18 Lower Head Weld received limited coverage of 44% because of Incore Penetrations. This weld was examined to the maximum extent practical in accordance with ASME Section V, Article 4 1980 Edition with Winter 1981 Addenda and the additional requirements of Regulatory Guide 1.150.

The following welds received limited coverage because of Core Guide Lugs and Incore Penetrations:

B01.022.005, W-14 Lower Head Meridional Weld 0° = 64%
B01.022.007, W-16 Lower Head Meridional Weld 180° = 63%

These welds were examined to the maximum extent practical in accordance with ASME Section V, Article 4 1980 Edition with Winter 1981 Addenda and the additional requirements of Regulatory Guide 1.150.

The following Outlet Nozzle-to-Shell welds each received limited coverage of 52% because of single sided access from the vessel inside surface:

B03.090.005, W-19 Outlet Nozzle at 22°
B03.090.006, W-25 Outlet Nozzle at 158°
B03.090.007, W-27 Outlet Nozzle at 202°
B03.090.008, W-33 Outlet Nozzle at 338°

The examinations from the nozzle bore achieved 100% coverage of the required examination volume. These welds were examined to the maximum extent practical in accordance with ASME Section V, Article 4 1989 Edition and the additional requirements of Regulatory Guide 1.150.

The following Nozzle Inner Radii each received limited coverage of 81% because of the geometric configuration of the nozzle:

B03.100.001,W21 Inlet Nozzle at 67°
B03.100.002,W23 Inlet Nozzle at 113°
B03.100.003,W29 Inlet Nozzle at 247°
B03.100.004,W31 Inlet Nozzle at 293°

These nozzle inner radius sections were examined to the maximum extent practical in accordance with ASME Section V, Article 4 1989 Edition.

Item Numbers :

B09.011.019
B12.040.002D

Single sided access prevents scanning B09.011.019 from the pump side of the weld. Three insulation supports spaced 120° apart further restrict the coverage of this weld. The reported coverage for this weld is 73.30%.

Cast stainless steel metal weld characteristics mandate the use of refracted longitudinal waves. This type of ultrasonic wave produces mode conversion at the pipe inside surface, thus preventing the use of sound path distances beyond the first "leg". Therefore, coverage of the required examination volume in two beam path directions is not practical. This weld was examined to the maximum extent practical in accordance with ASME Section XI, Appendix III, 1980 Edition Winter 1981 Addenda.

B12.040.002D, 2ND-37A, Valve Body-to-Bonnet Weld was examined to the maximum extent practical using 45° and 60° beam angles in accordance with the requirements of ASME Section XI, Appendix III, 1980 Edition Winter 1981 Addenda.

Because of geometric conditions, i.e., valve body and bonnet taper, 68.08% of the required volume was covered. In order to achieve more coverage of the required volume the valve body would have to be redesigned.

Item Number :

C02.022.007

ASME Section XI, 1980 Edition Winter 1981 Addenda, Table IWC-2500-1, Figure IWC-2500-4(b)

Due to limitations caused by the ratio of the nozzle O.D. to the vessel thickness, 51% of the required weld volume was covered. When the nozzle O.D. is small in relation to the vessel thickness, more coverage can be obtained when scanning from the vessel side.

Examination from nozzle boss and O.D. blend radius using compound angles, determining which angles to use, metal paths to calibrate and area of coverage is not accurate with manual calculations. Duke Power Company is investigating the use of computer modeling to solve future limitation problems.

Nozzle inner radius sections are examined with ultrasonics to the maximum extent practical from the vessel wall. Calibration blocks and procedures are in accordance with ASME Section V, Article 4.

V. Alternate Examinations or Testing:

Item Numbers :

B01.011.001	B03.090.007
B01.012.007	B03.090.008
B01.012.008	
B01.012.009	
B01.021.001	
B01.022.005	
B01.022.007	
B03.090.005	
B03.090.006	

Duke Power company will continue to perform an ultrasonic examination of all Reactor Vessel welds to the maximum extent practical in accordance with the requirements of ASME Section V, Article 4,1989 Edition and Regulatory guide 1.150, Revision 1, Appendix A.

Item Numbers :

B03.100.001
B03.100.002
B03.100.003
B03.100.004
C02.022.007

Duke Power Company will continue to perform an ultrasonic examination of Class 1 and 2 Nozzle Inside Radius Sections to the maximum extent practical in accordance with the requirements of ASME Section V, Article 4, 1989 Edition.

Item Numbers

B09.011.019
B12.040.002D

Duke Power Company will perform future ultrasonic examinations of Class 1 cast stainless steel Piping and Valve Body Welds to the maximum extent practical in accordance with the requirements of ASME Section XI, Appendix III, 1989 Edition.

VI. Justification for the Granting of Relief:

Duke Power Company will continue to ultrasonically examine the welds, including inside radius sections, to the extent practical within the limits of original design and construction. This will provide reasonable assurance of weld/component integrity. Thus, an acceptable level of quality and safety will have been achieved and public health and safety will not be endangered by allowing relief from the aforementioned Code requirements.

VII. 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 2.

Evaluated By: J. E. Cherry Date 2/22/96

Reviewed By: G. Barbour Date 2/22/96

Item No.	Exam Category /Figure No.	System Or Component	Area To Be Examined	Reason For Request	Licensee Proposed Alternate Examination
B01.011.001	B-A IWB-2500-1	Reactor Vessel	Lower Head to Shell Weld	Core Guide Lugs Actual Coverage Obtained = 57%	None
B01.012.007	B-A IWB-2500-2	Reactor Vessel	Lower Shell Long. Seam	Core Guide Lugs Actual Coverage Obtained = 81%	None
B01.012.008	B-A IWB-2500-2	Reactor Vessel	Lower Shell Long. Seam	Core Guide Lugs Actual Coverage Obtained = 81%	None
B01.012.009	B-A IWB-2500-2	Reactor Vessel	Lower Shell Long. Seam	Core Guide Lugs Actual Coverage Obtained = 81%	None
B01.021.001	B-A IWB-2500-3	Reactor Vessel	Lower Head Weld	Incore Nozzles Actual Coverage Obtained = 44%	None
B01.022.005	B-A IWB-2500-3	Reactor Vessel	Lower Head Meridional Weld 0 Deg.	Core Guide Lugs and Incore Nozzles Actual Coverage Obtained = 64%	None
B01.022.007	B-A IWB-2500-3	Reactor Vessel	Lower Head Meridional Weld 180 Deg.	Core Guide Lugs and Incore Nozzles Actual Coverage Obtained = 63%	None
B03.090.005	B-D 1WB-2500-7(a)	Reactor Vessel	Outlet Nozzle to Shell 22 Deg. UT from Vessel ID	Outlet Nozzle Boss Actual Coverage Obtained = 52%	None
B03.090.006	B-D 1WB-2500-7(a)	Reactor Vessel	Outlet Nozzle to Shell 158 Deg. UT from Vessel ID	Outlet Nozzle Boss Actual Coverage Obtained = 52%	None
B03.090.007	B-D 1WB-2500-7(a)	Reactor Vessel	Outlet Nozzle to Shell 202 Deg. UT from Vessel ID	Outlet Nozzle Boss Actual Coverage Obtained = 52%	None
B03.090.008	B-D 1WB-2500-7(a)	Reactor Vessel	Outlet Nozzle to Shell 338 Deg. UT from Vessel ID	Outlet Nozzle Boss Actual Coverage Obtained = 52%	None

Item No.	Exam Category /Figure No.	System Or Component	Area To Be Examined	Reason For Request	Licensee Proposed Alternate Examination
B03.100.001	B-D 1WB-2500-7(a)	Reactor Vessel	Inlet Nozzle to Shell 67 Deg. Inside Radius Section	Geometric Configuration Actual Coverage Obtained = 81%	None
B03.100.002	B-D 1WB-2500-7(a)	Reactor Vessel	Inlet Nozzle to Shell 113 Deg. Inside Radius Section	Geometric Configuration Actual Coverage Obtained = 81%	None
B03.100.003	B-D 1WB-2500-7(a)	Reactor Vessel	Inlet Nozzle to Shell 247 Deg. Inside Radius Section	Geometric Configuration Actual Coverage Obtained = 81%	None
B03.100.004	B-D 1WB-2500-7(a)	Reactor Vessel	Inlet Nozzle to Shell 293 Deg. Inside Radius Section	Geometric Configuration Actual Coverage Obtained = 81%	None
B09.011.019	B-J IWB-2500-8	Reactor Coolant System (NC)	Class 1 Circumferential Pipe Weld	Geometric Configuration and Three(3) Insulation Supports at 120 Degree Intervals Actual Coverage Obtained = 73.30%	None
B12.040.002D	B-M-1 IWB-2500-17	Residual Heat Removal System (ND)	Class 1 Valve Body to Bonnet Weld	Geometric Configuration Actual Coverage Obtained = 68.08%	None
C02.022.007	C-B IWC-2500-4(b)	Steam Generator 2D	Main Steam Nozzle Inside Radius Section	Geometric Configuration Actual Coverage Obtained = 51%	None

EXAMINATION COVERAGE FOR WELD: W09

AGGREGATE COVERAGE OBTAINED: 81%

Zone Coverage Obtained

Weld: 81% Adjacent Base Metal 81% Near (ID) Surface: 81%

Examination Volume Definition

Weld Length: 97.47 in.

Area Measurement		Volume Calculation	
Weld	11.86 sq. in.	Weld	1155.994 cu. in.
Adjacent Base Metal	74.44 sq. in.	Adjacent Base Metal	7255.667 cu. in.
Near Surface	10.01 sq. in.	Near Surface	975.6747 cu. in.

Examination Coverage Calculations

Weld

Entry #	Exam. Angle (deg.)	Beam Direction	Area Examined (sq. in.)	Length Examined (in.)	Volume Examined (cu. in.)	Volume Required (cu. in.)	Percent Examined
1	0	n/a	11.9	79.0	936.3	936.3	100%
2	0	n/a	0.0	18.5	0.0	219.6	0%
3	45	1	11.9	79.0	936.3	936.3	100%
4	45	2	11.9	79.0	936.3	936.3	100%
5	45	1	0.0	18.5	0.0	219.6	0%
6	45	2	0.0	18.5	0.0	219.6	0%
7	45	3	11.9	79.0	936.3	936.3	100%
8	45	4	11.9	79.0	936.3	936.3	100%
9	45	3	0.0	18.5	0.0	219.6	0%
10	45	4	0.0	18.5	0.0	219.6	0%
11	60	1	11.9	79.0	936.3	936.3	100%
12	60	2	11.9	79.0	936.3	936.3	100%
13	60	1	0.0	18.5	0.0	219.6	0%
14	60	2	0.0	18.5	0.0	219.6	0%
15	60	3	11.9	79.0	936.3	936.3	100%
16	60	4	11.9	79.0	936.3	936.3	100%
17	60	3	0.0	18.5	0.0	219.6	0%
18	60	4	0.0	18.5	0.0	219.6	0%
				Totals:	*8427.1*	*10403.9*	*81%*

Adjacent Base Metal

Entry #	Exam. Angle (deg.)	Beam Direction	Area Examined (sq. in.)	Length Examined (in.)	Volume Examined (cu. in.)	Volume Required (cu. in.)	Percent Examined
1	0	n/a	74.4	79.0	5877.0	5877.0	100%
2	0	n/a	0.0	18.5	0.0	1378.6	0%
3	45	1&2	74.4	79.0	5877.0	5877.0	100%
4	45	1&2	0.0	18.5	0.0	1378.6	0%
5	45	3	74.4	79.0	5877.0	5877.0	100%
6	45	4	74.4	79.0	5877.0	5877.0	100%
7	45	3	0.0	18.5	0.0	1378.6	0%
8	45	4	0.0	18.5	0.0	1378.6	0%
9	60	1&2	74.4	79.0	5877.0	5877.0	100%
10	60	1&2	0.0	18.5	0.0	1378.6	0%
11	60	3	74.4	79.0	5877.0	5877.0	100%
12	60	4	74.4	79.0	5877.0	5877.0	100%
13	60	3	0.0	18.5	0.0	1378.6	0%
14	60	4	0.0	18.5	0.0	1378.6	0%
				Totals:	*41139.3*	*50789.7*	*81%*

Near Surface

Entry #	Exam. Angle (deg.)	Beam Direction	Area Examined (sq. in.)	Length Examined (in.)	Volume Examined (cu. in.)	Volume Required (cu. in.)	Percent Examined
1	70	axial	10.0	79.0	790.3	790.3	100%
2	70	axial	0.0	18.5	0.0	185.4	0%
3	70	circ	10.0	79.0	790.3	790.3	100%
4	70	circ.	0.0	18.5	0.0	185.4	0%
				Totals:	*1580.6*	*1951.3*	*81%*

EXAMINATION COVERAGE FOR WELD: W10

AGGREGATE COVERAGE OBTAINED: 81%

Zone Coverage Obtained

Weld: 81% | Adjacent Base Metal 81% | Near (ID) Surface: 31%

Examination Volume Definition

Weld Length: 97.47 in.

Area Measurement			Volume Calculation		
Weld	11.86	sq. in.	Weld	1155.994	cu. in.
Adjacent Base Metal	74.44	sq. in.	Adjacent Base Metal	7255.667	cu. in.
Near Surface	10.01	sq. in.	Near Surface	975.6747	cu. in.

Examination Coverage Calculations

Weld

Entry #	Exam. Angle (deg.)	Beam Direction	Area Examined (sq. in.)	Length Examined (in.)	Volume Examined (cu. in.)	Volume Required (cu. in.)	Percent Examined
1	0	n/a	11.9	79.0	936.3	936.3	100%
2	0	n/a	0.0	18.5	0.0	219.6	0%
3	45	1	11.9	79.0	936.3	936.3	100%
4	45	2	11.9	79.0	936.3	936.3	100%
5	45	1	0.0	18.5	0.0	219.6	0%
6	45	2	0.0	18.5	0.0	219.6	0%
7	45	3	11.9	79.0	936.3	936.3	100%
8	45	4	11.9	79.0	936.3	936.3	100%
9	45	3	0.0	18.5	0.0	219.6	0%
10	45	4	0.0	18.5	0.0	219.6	0%
11	60	1	11.9	79.0	936.3	936.3	100%
12	60	2	11.9	79.0	936.3	936.3	100%
13	60	1	0.0	18.5	0.0	219.6	0%
14	60	2	0.0	18.5	0.0	219.6	0%
15	60	3	11.9	79.0	936.3	936.3	100%
16	60	4	11.9	79.0	936.3	936.3	100%
17	60	3	0.0	18.5	0.0	219.6	0%
18	60	4	0.0	18.5	0.0	219.6	0%
				Totals:	*8427.1*	*10403.9*	*81%*

Adjacent Base Metal

Entry #	Exam. Angle (deg.)	Beam Direction	Area Examined (sq. in.)	Length Examined (in.)	Volume Examined (cu. in.)	Volume Required (cu. in.)	Percent Examined
1	0	n/a	74.4	79.0	5877.0	5877.0	100%
2	0	n/a	0.0	18.5	0.0	1378.6	0%
3	45	1&2	74.4	79.0	5877.0	5877.0	100%
4	45	1&2	0.0	18.5	0.0	1378.6	0%
5	45	3	74.4	79.0	5877.0	5877.0	100%
6	45	4	74.4	79.0	5877.0	5877.0	100%
7	45	3	0.0	18.5	0.0	1378.6	0%
8	45	4	0.0	18.5	0.0	1378.6	0%
9	60	1&2	74.4	79.0	5877.0	5877.0	100%
10	60	1&2	0.0	18.5	0.0	1378.6	0%
11	60	3	74.4	79.0	5877.0	5877.0	100%
12	60	4	74.4	79.0	5877.0	5877.0	100%
13	60	3	0.0	18.5	0.0	1378.6	0%
14	60	4	0.0	18.5	0.0	1378.6	0%
				Totals:	*41139.3*	*50789.7*	*81%*

Near Surface

Entry #	Exam. Angle (deg.)	Beam Direction	Area Examined (sq. in.)	Length Examined (in.)	Volume Examined (cu. in.)	Volume Required (cu. in.)	Percent Examined
1	70	axial	10.0	79.0	790.3	790.3	100%
2	70	axial	0.0	18.5	0.0	185.4	0%
3	70	circ	10.0	79.0	790.3	790.3	100%
4	70	circ.	0.0	18.5	0.0	185.4	0%
				Totals:	*1580.6*	*1951.3*	*81%*

EXAMINATION COVERAGE FOR WELD: W11

AGGREGATE COVERAGE OBTAINED: 81%

Zone Coverage Obtained

Weld: 81% | Adjacent Base Metal 81% | Near (ID) Surface: 81%

Examination Volume Definition

Weld Length: 97.47 in.

Area Measurement			Volume Calculation		
Weld	11.86	sq. in.	Weld	1155.994	cu. in.
Adjacent Base Metal	74.44	sq. in.	Adjacent Base Metal	7255.667	cu. in.
Near Surface	10.01	sq. in.	Near Surface	975.6747	cu. in.

Examination Coverage Calculations

Weld

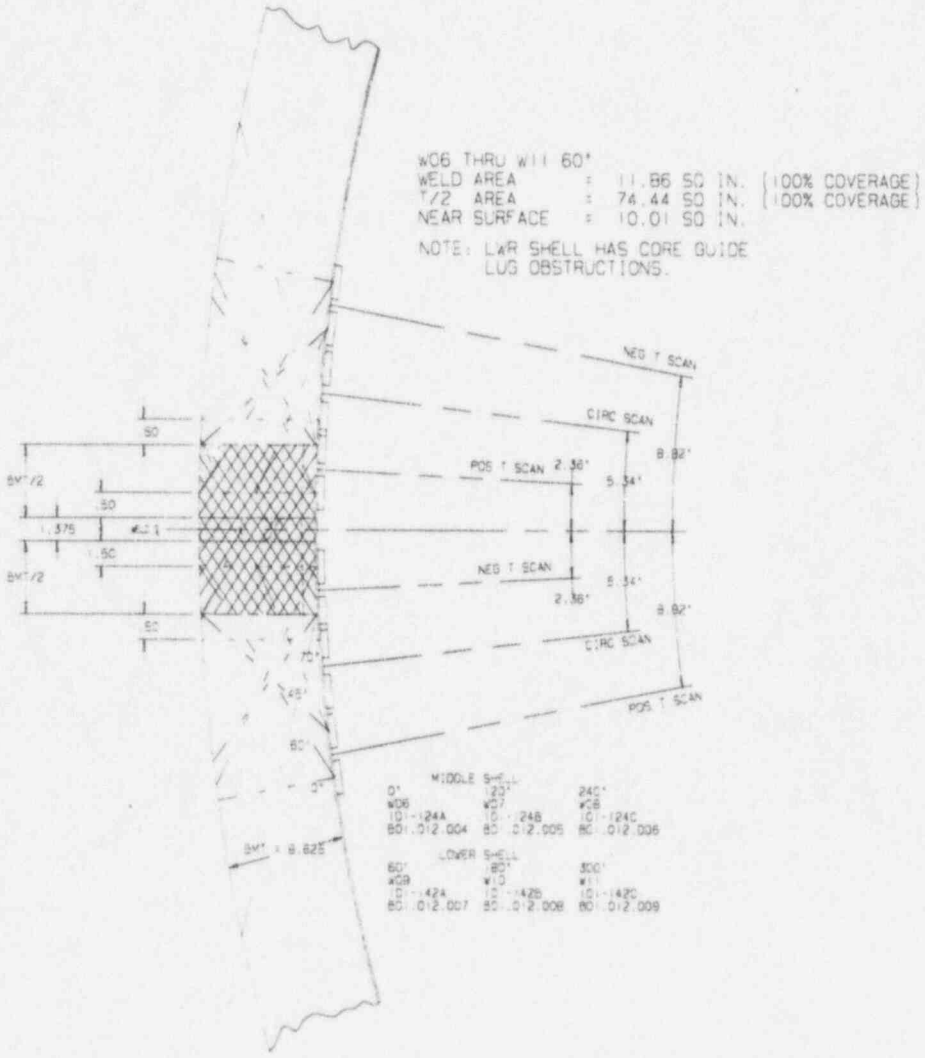
Entry #	Exam. Angle (deg.)	Beam Direction	Area Examined (sq. in.)	Length Examined (in.)	Volume Examined (cu. in.)	Volume Required (cu. in.)	Percent Examined
1	0	n/a	11.9	79.0	936.3	936.3	100%
2	0	n/a	0.0	18.5	0.0	219.6	0%
3	45	1	11.9	79.0	936.3	936.3	100%
4	45	2	11.9	79.0	936.3	936.3	100%
5	45	1	0.0	18.5	0.0	219.6	0%
6	45	2	0.0	18.5	0.0	219.6	0%
7	45	3	11.9	79.0	936.3	936.3	100%
8	45	4	11.9	79.0	936.3	936.3	100%
9	45	3	0.0	18.5	0.0	219.6	0%
10	45	4	0.0	18.5	0.0	219.6	0%
11	60	1	11.9	79.0	936.3	936.3	100%
12	60	2	11.9	79.0	936.3	936.3	100%
13	60	1	0.0	18.5	0.0	219.6	0%
14	60	2	0.0	18.5	0.0	219.6	0%
15	60	3	11.9	79.0	936.3	936.3	100%
16	60	4	11.9	79.0	936.3	936.3	100%
17	60	3	0.0	18.5	0.0	219.6	0%
18	60	4	0.0	18.5	0.0	219.6	0%
				Totals:	*8427.1*	*10403.9*	*81%*

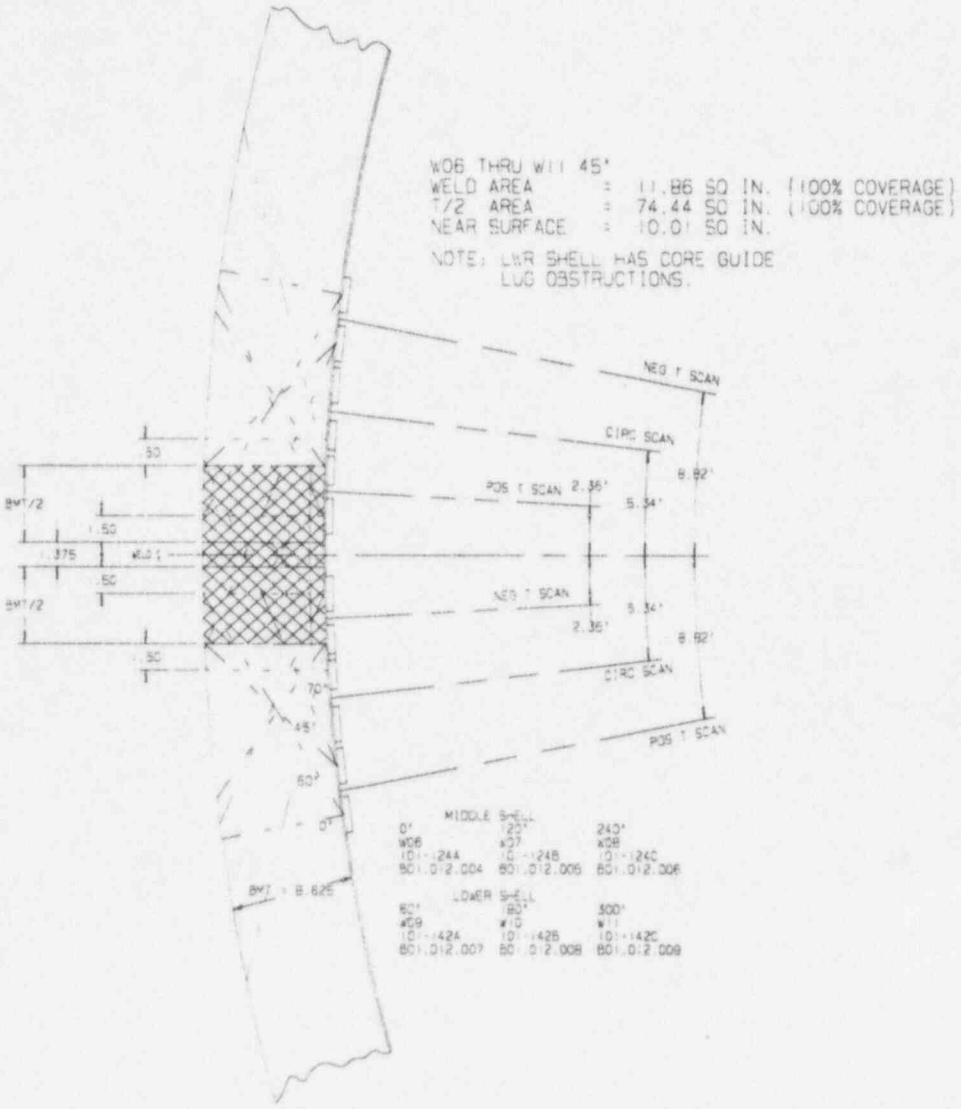
Adjacent Base Metal

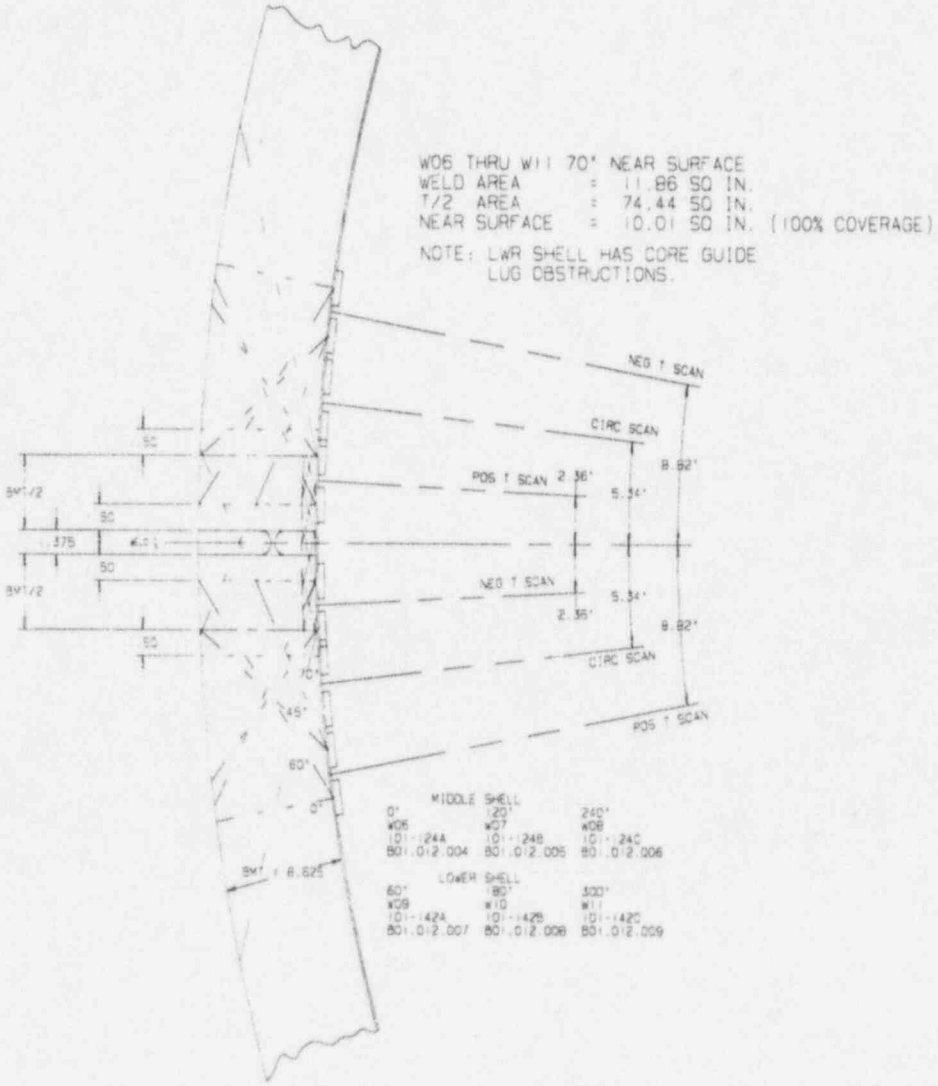
Entry #	Exam. Angle (deg.)	Beam Direction	Area Examined (sq. in.)	Length Examined (in.)	Volume Examined (cu. in.)	Volume Required (cu. in.)	Percent Examined
1	0	n/a	74.4	79.0	5877.0	5877.0	100%
2	0	n/a	0.0	18.5	0.0	1378.6	0%
3	45	1&2	74.4	79.0	5877.0	5877.0	100%
4	45	1&2	0.0	18.5	0.0	1378.6	0%
5	45	3	74.4	79.0	5877.0	5877.0	100%
6	45	4	74.4	79.0	5877.0	5877.0	100%
7	45	3	0.0	18.5	0.0	1378.6	0%
8	45	4	0.0	18.5	0.0	1378.6	0%
9	60	1&2	74.4	79.0	5877.0	5877.0	100%
10	60	1&2	0.0	18.5	0.0	1378.6	0%
11	60	3	74.4	79.0	5877.0	5877.0	100%
12	60	4	74.4	79.0	5877.0	5877.0	100%
13	60	3	0.0	18.5	0.0	1378.6	0%
14	60	4	0.0	18.5	0.0	1378.6	0%
				Totals:	*41139.3*	*50789.7*	*81%*

Near Surface

Entry #	Exam. Angle (deg.)	Beam Direction	Area Examined (sq. in.)	Length Examined (in.)	Volume Examined (cu. in.)	Volume Required (cu. in.)	Percent Examined
1	70	axial	10.0	79.0	790.3	790.3	100%
2	70	axial	0.0	18.5	0.0	185.4	0%
3	70	circ	10.0	79.0	790.3	790.3	100%
4	70	circ.	0.0	18.5	0.0	185.4	0%
				Totals:	*1580.6*	*1951.3*	*81%*


W06 THRU W11 60°
WELD AREA = 11.86 SQ IN. (100% COVERAGE)
T/2 AREA = 74.44 SQ IN. (100% COVERAGE)
NEAR SURFACE = 10.01 SQ IN.
NOTE: LWR SHELL HAS CORE GUIDE LUG OBSTRUCTIONS.
NEG T SCAN
CIRC SCAN
POS T SCAN
2.36"
5.34"
8.82"
.50
BWT/2
1.375
1.50
.75"
.45"
60"
0"
BWT x 8.825
MIDDLE SHELL
0°
120°
240°
W06
W07
W08
ID1-124A
ID1-124B
ID1-124C
BD1.012.004
BD1.012.005
BD1.012.006
LOWER SHELL
60°
180°
300°
W09
W10
W11
ID1-142A
ID1-142B
ID1-142C
BD1.012.007
BD1.012.008
BD1.012.009


W06 THRU W11 45°
WELD AREA : 11.86 SQ IN. (100% COVERAGE)
T/2 AREA : 74.44 SQ IN. (100% COVERAGE)
NEAR SURFACE : 10.01 SQ IN.
NOTE: LWR SHELL HAS CORE GUIDE LUG OBSTRUCTIONS.
NEG T SCAN
CIRC SCAN
POS T SCAN
2.36'
5.34'
8.92'
NEG T SCAN
5.34'
2.36'
8.92'
CIRC SCAN
POS T SCAN
.50
BWT/2
1.50
1.375
WELD
.50
BWT/2
.50
70°
45°
60°
0°
BWT = 8.625
MIDDLE SHELL
0°
W06
10I-1244
B01.012.004
120°
W07
10I-1248
B01.012.005
240°
W08
10I-1240
B01.012.006
LOWER SHELL
60°
W09
10I-1424
B01.012.007
180°
W10
10I-1428
B01.012.008
300°
W11
10I-1420
B01.012.009


W06 THRU W11 70° NEAR SURFACE
WELD AREA : 11.86 SQ IN.
T/2 AREA : 74.44 SQ IN.
NEAR SURFACE : 10.01 SQ IN. (100% COVERAGE)
NOTE: LWR SHELL HAS CORE GUIDE LUG OBSTRUCTIONS.
NEG T SCAN
CIRC SCAN
POS T SCAN
2.36"
5.34"
8.82"
NEG T SCAN
5.34"
2.36"
8.82"
CIRC SCAN
POS T SCAN
.50
BMT/2
.50
.375
.50
BMT/2
.50
70°
45°
60°
0°
BMT + 8.625
MIDDLE SHELL
0° 120° 240°
W05 W07 W08
101-124A 101-124B 101-124C
801.012.004 801.012.005 801.012.006
LOWER SHELL
60° 180° 300°
W09 W10 W11
101-142A 101-142B 101-142C
801.012.007 801.012.008 801.012.009

EXAMINATION COVERAGE FOR WELD: W13

AGGREGATE COVERAGE OBTAINED: 57%

Zone Coverage Obtained

Weld: 57% | Adjacent Base Metal 57% | Near (ID) Surface: 57%

Examination Volume Definition

Weld Length: 543.5 in.

Area Measurement			Volume Calculation		
Weld	7.93	sq. in.	Weld	4309.955	cu. in.
Adjacent Base Metal	32.71	sq. in.	Adjacent Base Metal	17777.89	cu. in.
Near Surface	7.33	sq. in.	Near Surface	3983.855	cu. in.

Examination Coverage Calculation

Weld

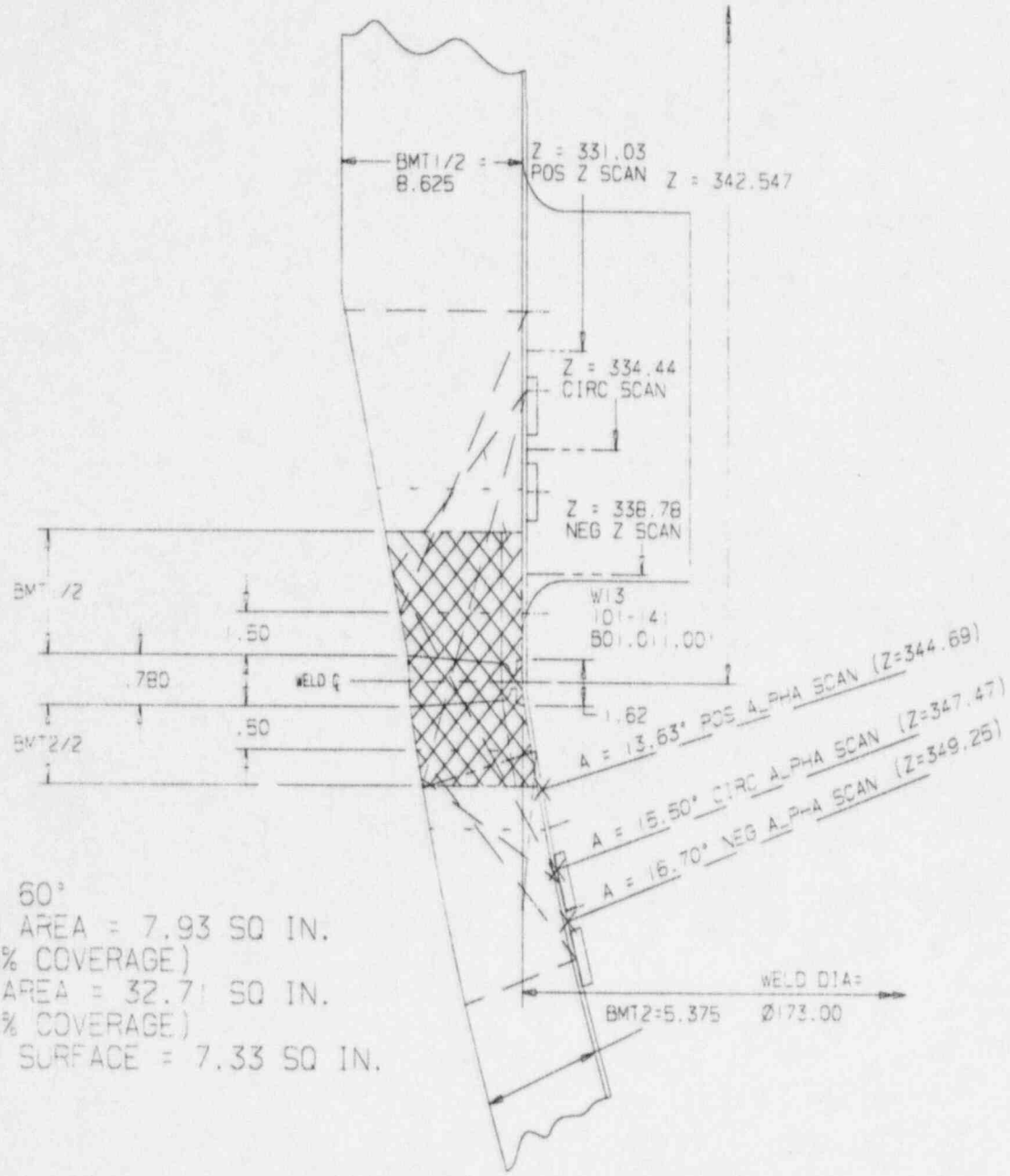
Entry #	Exam. Angle (deg.)	Beam Direction	Area Examined (sq. in.)	Length Examined (in.)	Volume Examined (cu. in.)	Volume Required (cu. in.)	Percent Examined
1	0	n/a	7.9	308.0	2442.4	2442.4	100%
2	0	n/a	0.0	235.5	0.0	1867.5	0%
3	45	1	7.9	308.0	2442.4	2442.4	100%
4	45	2	7.9	308.0	2442.4	2442.4	100%
5	45	1	0.0	235.5	0.0	1867.5	0%
6	45	2	0.0	235.5	0.0	1867.5	0%
7	45	3	7.9	308.0	2442.4	2442.4	100%
8	45	4	7.9	308.0	2442.4	2442.4	100%
9	45	3	0.0	235.5	0.0	1867.5	0%
10	45	4	0.0	235.5	0.0	1867.5	0%
11	60	1	7.9	308.0	2442.4	2442.4	100%
12	60	2	7.9	308.0	2442.4	2442.4	100%
13	60	1	1.0	235.5	242.0	1867.5	13%
14	60	2	0.0	235.5	0.0	1867.5	0%
15	60	3	7.9	308.0	2442.4	2442.4	100%
16	60	4	7.9	308.0	2442.4	2442.4	100%
17	60	3	0.0	235.5	0.0	1867.5	0%
18	60	4	0.0	235.5	0.0	1867.5	0%
				Totals:	*22223.9*	*38789.6*	*57%*

Adjacent Base Metal

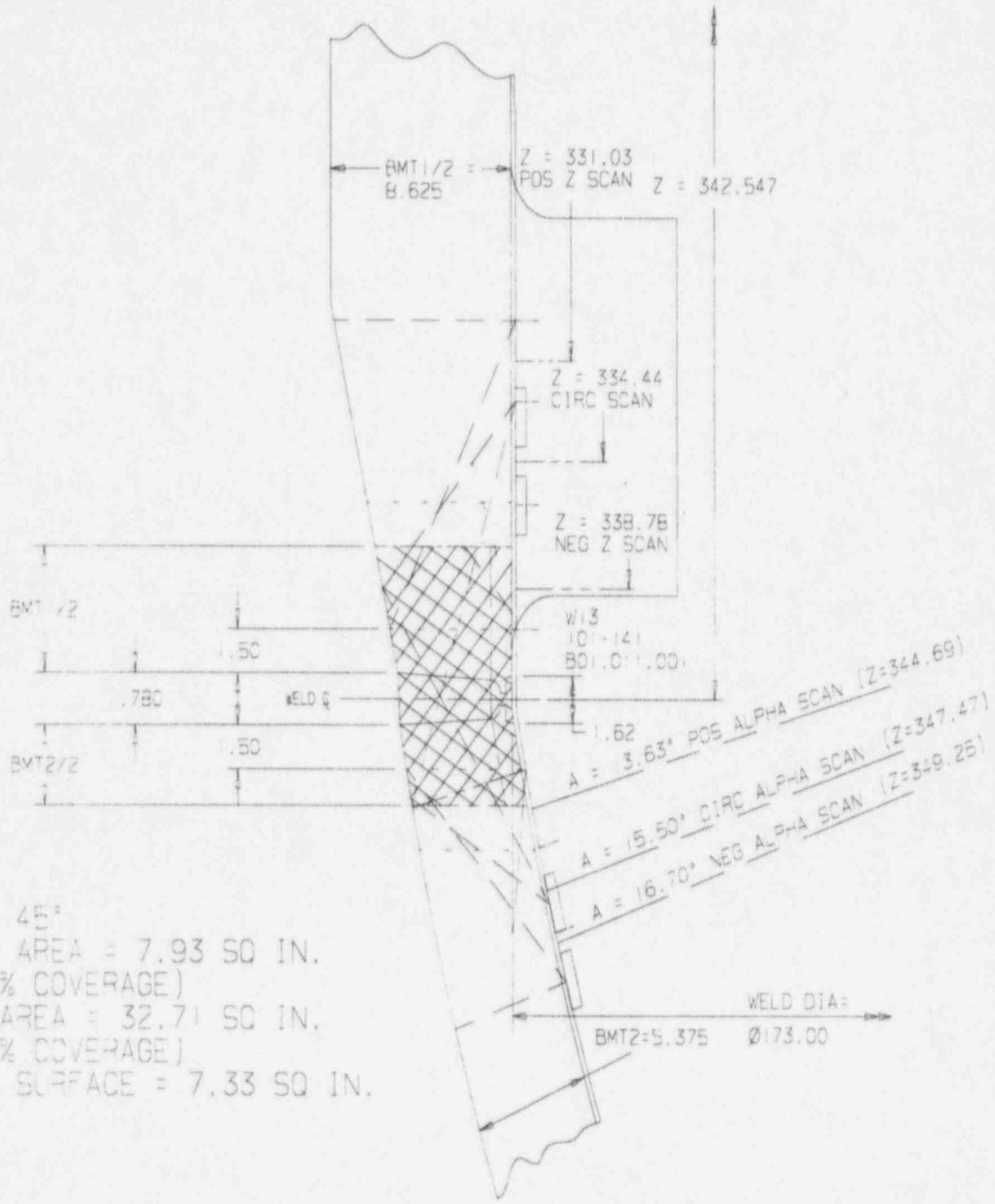
Entry #	Exam. Angle (deg.)	Beam Direction	Area Examined (sq. in.)	Length Examined (in.)	Volume Examined (cu. in.)	Volume Required (cu. in.)	Percent Examined
1	0	n/a	32.7	308.0	10074.7	10074.7	100%
2	0	n/a	0.0	235.5	0.0	7703.2	0%
3	45	1&2	32.7	308.0	10074.7	10074.7	100%
4	45	1&2	0.0	235.5	0.0	7703.2	0%
5	45	3	32.7	308.0	10074.7	10074.7	100%
6	45	4	32.7	308.0	10074.7	10074.7	100%
7	45	3	0.0	235.5	0.0	7703.2	0%
8	45	4	0.0	235.5	0.0	7703.2	0%
9	60	1&2	32.7	308.0	10074.7	10074.7	100%
10	60	1&2	0.0	235.5	0.0	7703.2	0%
11	60	3	32.7	308.0	10074.7	10074.7	100%
12	60	4	32.7	308.0	10074.7	10074.7	100%
13	60	3	0.0	235.5	0.0	7703.2	0%
14	60	4	0.0	235.5	0.0	7703.2	0%
				Totals:	*70522.8*	*124445.2*	*57%*

Near Surface

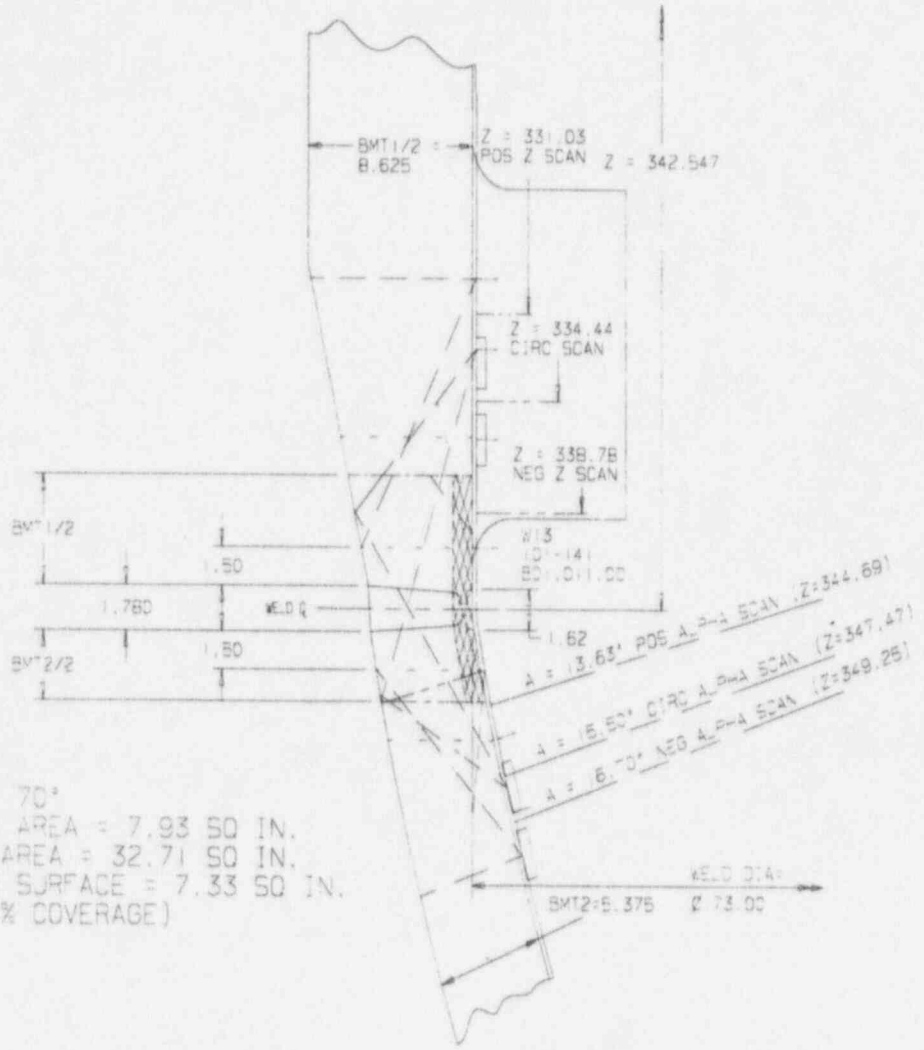
Entry #	Exam. Angle (deg.)	Beam Direction	Area Examined (sq. in.)	Length Examined (in.)	Volume Examined (cu. in.)	Volume Required (cu. in.)	Percent Examined
1	70	axial	7.3	308.0	2257.6	2257.6	100%
2	70	axial	0.0	235.5	0.0	1726.2	0%
3	70	circ	7.3	308.0	2257.6	2257.6	100%
4	70	circ.	0.0	235.5	0.0	1726.2	0%
				Totals:	*4515.3*	*7967.7*	*57%*



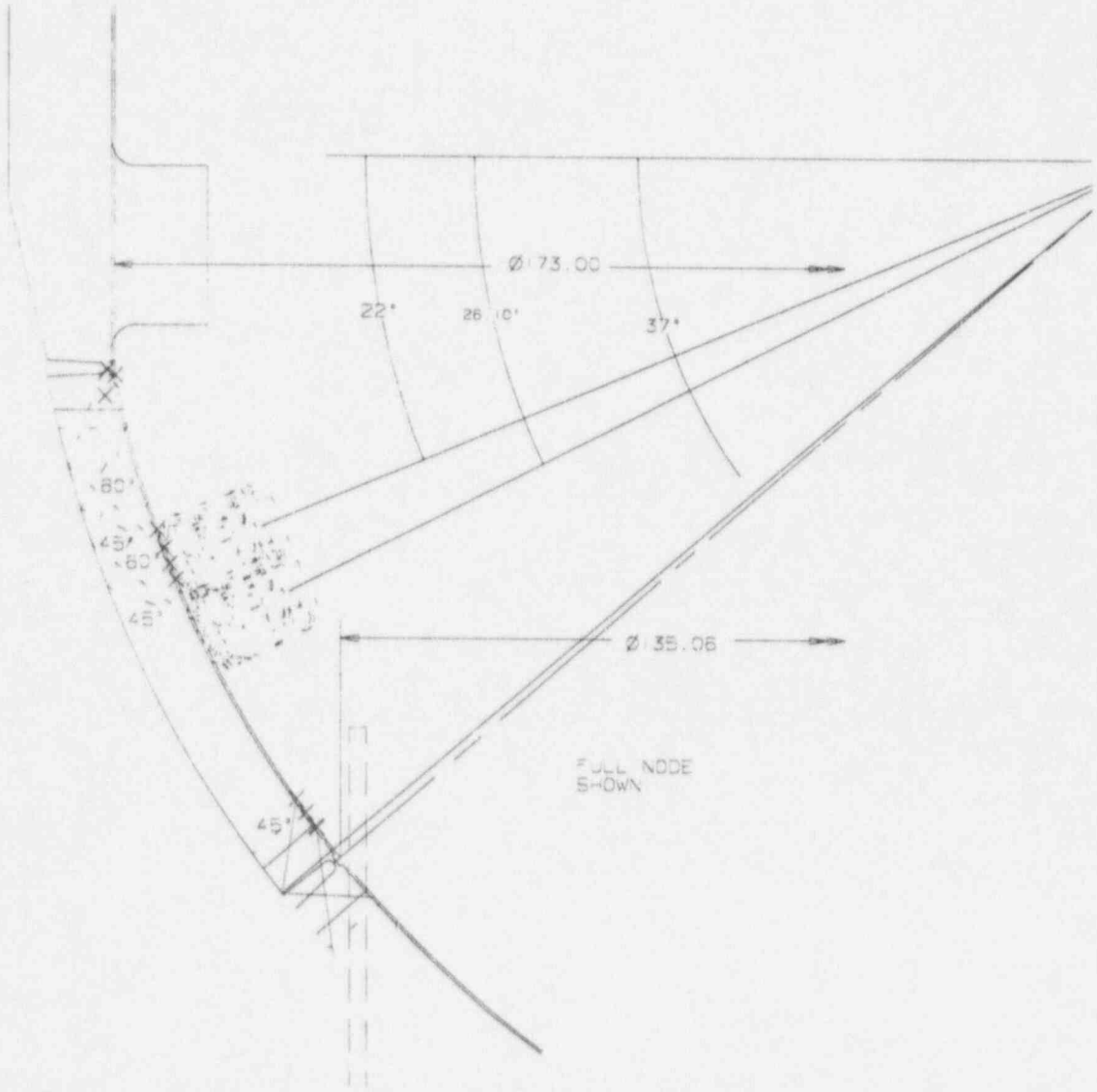
W13 60°
WELD AREA = 7.93 SQ IN.
(100% COVERAGE)
T/2 AREA = 32.71 SQ IN.
(100% COVERAGE)
NEAR SURFACE = 7.33 SQ IN.

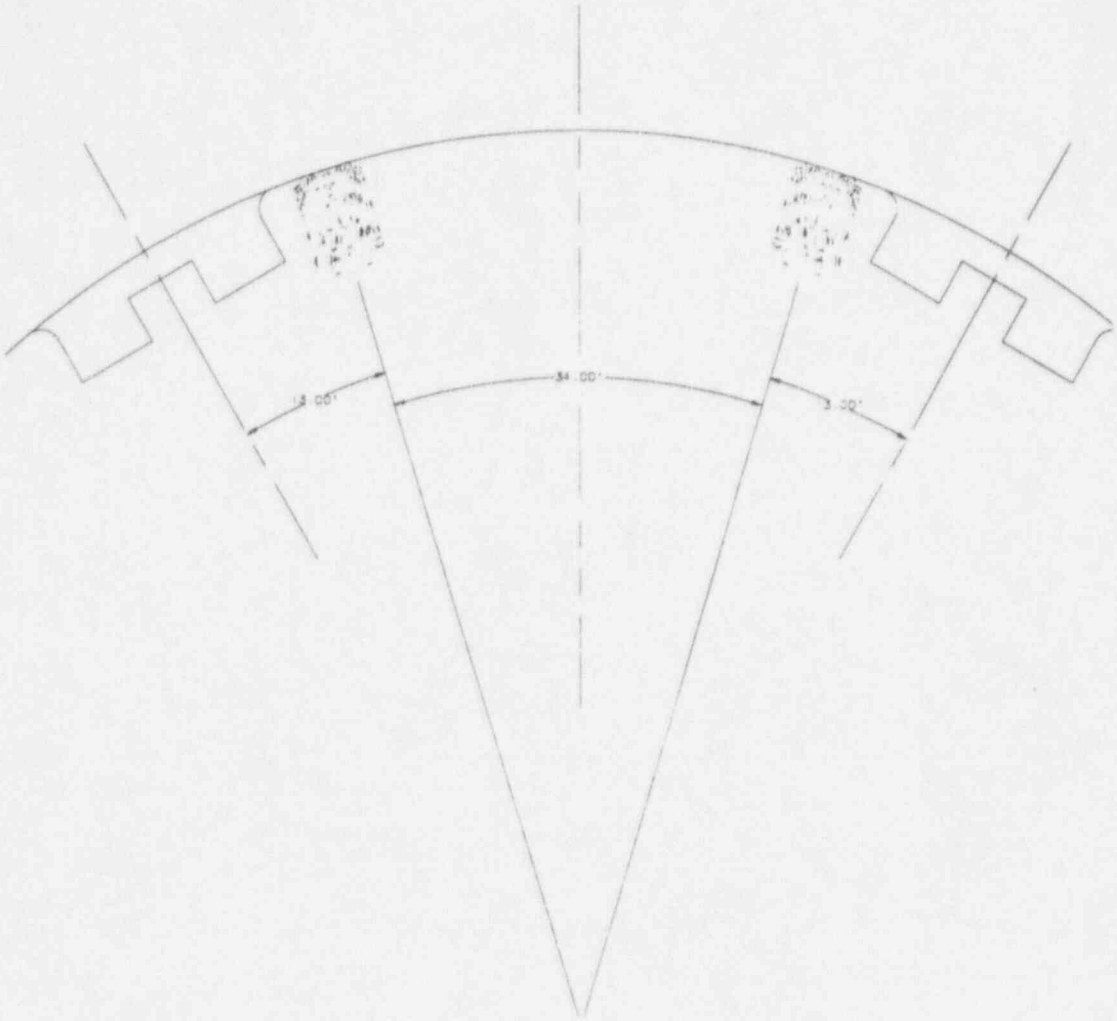


W13 45°
WELD AREA = 7.93 SQ IN.
(100% COVERAGE)
T/2 AREA = 32.71 SQ IN.
(100% COVERAGE)
NEAR SURFACE = 7.33 SQ IN.



A 3 70°
WELD AREA = 7.93 SQ IN.
T/2 AREA = 32.71 SQ IN.
NEAR SURFACE = 7.33 SQ IN.
(00% COVERAGE)


Ø173.00
22°
26.10°
37°
80°
45°
80°
45°
Ø135.06
FULL NODE
SHOWN
45°


34.00°
3.00°

EXAMINATION COVERAGE FOR WELD: W14

AGGREGATE COVERAGE OBTAINED: 64%

Zone Coverage Obtained

Weld: 63% | Adjacent Base Metal 65% | Near (ID) Surface: 57%

Examination Volume Definition

Weld Length: 44.39 in.

Area Measurement			Volume Calculation		
Weld	7.39	sq. in.	Weld	328.0421	cu. in.
Adjacent Base Metal	28.9	sq. in.	Adjacent Base Metal	1282.871	cu. in.
Near Surface	6.75	sq. in.	Near Surface	299.6325	cu. in.

Examination Coverage Calculations

Weld

Entry #	Exam. Angle (deg.)	Beam Direction	Area Examined (sq. in.)	Length Examined (in.)	Volume Examined (cu. in.)	Volume Required (cu. in.)	Percent Examined
1	0	n/a	7.4	24.6	181.9	181.9	100%
2	0	n/a	0.0	19.8	0.0	146.1	0%
3	45	1	7.4	24.6	181.9	181.9	100%
4	45	2	7.4	24.6	181.9	181.9	100%
5	45	1	0.0	19.8	0.0	146.1	0%
6	45	2	0.0	19.8	0.0	146.1	0%
7	45	3	7.4	36.4	268.6	268.6	100%
8	45	4	7.4	29.1	214.8	214.8	100%
9	45	3	0.0	8.0	0.0	59.4	0%
10	45	4	0.0	15.3	0.0	113.2	0%
11	60	1	7.4	24.6	181.9	181.9	100%
12	60	2	7.4	24.6	181.9	181.9	100%
13	60	1	0.0	19.8	0.0	146.1	0%
14	60	2	0.0	19.8	0.0	146.1	0%
15	60	3	7.4	37.2	274.5	274.5	100%
16	60	4	7.4	26.4	194.7	194.7	100%
17	60	3	0.0	7.3	0.0	53.6	0%
18	60	4	0.0	18.1	0.0	133.4	0%
				Totals:	*1862.4*	*2952.5*	*63%*

Adjacent Base Metal

Entry #	Exam. Angle (deg.)	Beam Direction	Area Examined (sq. in.)	Length Examined (in.)	Volume Examined (cu. in.)	Volume Required (cu. in.)	Percent Examined
1	0	n/a	28.9	24.6	710.9	710.9	100%
2	0	n/a	0.0	19.8	0.0	572.2	0%
3	45	1&2	28.9	24.6	710.9	710.9	100%
4	45	1&2	0.0	19.8	0.0	572.2	0%
5	45	3	28.9	36.4	1052.0	1052.0	100%
6	45	4	28.9	29.1	841.0	841.0	100%
7	45	3	0.0	8.0	0.0	231.2	0%
8	45	4	0.0	15.3	0.0	442.2	0%
9	60	1&2	28.9	24.6	710.9	710.9	100%
10	60	1&2	0.0	19.8	0.0	572.2	0%
11	60	3	28.9	37.2	1073.6	1073.6	100%
12	60	4	28.9	26.4	761.5	761.5	100%
13	60	3	0.0	7.3	0.0	209.5	0%
14	60	4	0.0	18.1	0.0	521.6	0%
				Totals:	*5860.9*	*8982.1*	*65%*

Near Surface

Entry #	Exam. Angle (deg.)	Beam Direction	Area Examined (sq. in.)	Length Examined (in.)	Volume Examined (cu. in.)	Volume Required (cu. in.)	Percent Examined
1	70	axial	6.8	27.2	183.6	183.6	100%
2	70	axial	0.0	19.2	0.0	129.6	0%
3	70	circ	6.8	24.6	166.1	166.1	100%
4	70	circ.	0.0	19.8	0.0	133.7	0%
				Totals:	*349.7*	*612.9*	*57%*

EXAMINATION COVERAGE FOR WELD: W16

AGGREGATE COVERAGE OBTAINED: 63%

Zone Coverage Obtained

Weld: 62% | Adjacent Base Metal 65% | Near (ID) Surface: 55%

Examination Volume Definition

Weld Length: 44.39 in.

Area Measurement		Volume Calculation	
Weld	7.39 sq. in.	Weld	328.0421 cu. in.
Adjacent Base Metal	28.9 sq. in.	Adjacent Base Metal	1282.871 cu. in.
Near Surface	6.75 sq. in.	Near Surface	299.6325 cu. in.

Examination Coverage Calculations

Weld

Entry #	Exam. Angle (deg.)	Beam Direction	Area Examined (sq. in.)	Length Examined (in.)	Volume Examined (cu. in.)	Volume Required (cu. in.)	Percent Examined
1	0	n/a	7.4	23.1	170.6	170.6	100%
2	0	n/a	0.0	21.3	0.0	157.5	0%
3	45	1	7.4	23.1	170.6	170.6	100%
4	45	2	7.4	23.1	170.6	170.6	100%
5	45	1	0.0	21.3	0.0	157.5	0%
6	45	2	0.0	21.3	0.0	157.5	0%
7	45	3	7.4	34.9	257.5	257.5	100%
8	45	4	7.4	29.1	214.8	214.8	100%
9	45	3	0.0	9.6	0.0	70.8	0%
10	45	4	0.0	15.3	0.0	113.2	0%
11	60	1	7.4	23.1	170.6	170.6	100%
12	60	2	7.4	23.1	170.6	170.6	100%
13	60	1	0.0	21.3	0.0	157.5	0%
14	60	2	0.0	21.3	0.0	157.5	0%
15	60	3	7.4	38.3	283.3	283.3	100%
16	60	4	7.4	29.1	214.8	214.8	100%
17	60	3	0.0	6.0	0.0	44.6	0%
18	60	4	0.0	15.3	0.0	113.2	0%
				Totals:	*1823.3*	*2952.5*	*62%*

Adjacent Base Metal

Entry #	Exam. Angle (deg.)	Beam Direction	Area Examined (sq. in.)	Length Examined (in.)	Volume Examined (cu. in.)	Volume Required (cu. in.)	Percent Examined
1	0	n/a	28.9	23.1	667.0	667.0	100%
2	0	n/a	0.0	21.3	0.0	615.9	0%
3	45	1&2	28.9	23.1	667.0	667.0	100%
4	45	1&2	0.0	21.3	0.0	615.9	0%
5	45	3	28.9	34.9	1007.2	1007.2	100%
6	45	4	28.9	29.1	841.0	841.0	100%
7	45	3	0.0	9.6	0.0	276.9	0%
8	45	4	0.0	15.3	0.0	442.2	0%
9	60	1&2	28.9	23.1	667.0	667.0	100%
10	60	1&2	0.0	21.3	0.0	615.9	0%
11	60	3	28.9	38.3	1107.7	1107.7	100%
12	60	4	28.9	29.1	841.0	841.0	100%
13	60	3	0.0	6.0	0.0	174.6	0%
14	60	4	0.0	15.3	0.0	442.2	0%
				Totals:	*5797.9*	*8981.3*	*65%*

Near Surface

Entry #	Exam. Angle (deg.)	Beam Direction	Area Examined (sq. in.)	Length Examined (in.)	Volume Examined (cu. in.)	Volume Required (cu. in.)	Percent Examined
1	70	axial	6.8	25.7	173.2	173.2	100%
2	70	axial	0.0	18.7	0.0	126.2	0%
3	70	circ	6.8	23.1	155.8	155.8	100%
4	70	circ.	0.0	21.3	0.0	143.8	0%
				Totals:	*329.0*	*599.1*	*55%*

EXAMINATION COVERAGE FOR WELD: W18

AGGREGATE COVERAGE OBTAINED: 44%

Zone Coverage Obtained

Weld: 43% | Adjacent Base Metal 44% | Near (ID) Surface: 50%

Examination Volume Definition

Weld Length: 424.3 in.

Area Measurement		Volume Calculation	
Weld	7.89 sq. in.	Weld	3347.727 cu. in.
Adjacent Base Metal	28.89 sq. in.	Adjacent Base Metal	12258.03 cu. in.
Near Surface	6.8 sq. in.	Near Surface	2885.24 cu. in.

Examination Coverage Calculations

Weld

Entry #	Exam. Angle (deg.)	Beam Direction	Area Examined (sq. in.)	Length Examined (in.)	Volume Examined (cu. in.)	Volume Required (cu. in.)	Percent Examined	
1	0	n/a	7.9	44.3	349.1	349.1	100%	C
2	0	n/a	7.9	35.4	278.9	278.9	100%	
3	0	n/a	7.9	104.9	827.7	827.7	100%	
4	0	n/a	3.9	4.1	16.3	32.6	50%	
5	0	n/a	7.9	8.3	65.1	65.1	100%	
6	0	n/a	0.0	227.4	0.0	1793.8	0%	C
7	45	1	7.9	156.9	1237.9	1237.9	100%	C
8	45	2	7.9	156.9	1237.9	1237.9	100%	C
9	45	1	3.2	31.2	100.9	246.4	41%	
10	45	2	7.9	31.2	246.4	246.4	100%	
11	45	1	7.9	10.0	79.1	79.1	100%	
12	45	2	7.9	10.0	79.1	79.1	100%	
13	45	2	3.3	14.1	46.1	111.6	41%	
14	45	1	5.8	31.2	180.8	246.4	73%	
15	45	1	0.7	15.3	10.5	120.9	9%	
17	45	2	7.8	15.3	119.5	120.9	99%	
18	45	2	3.3	17.1	55.9	134.8	41%	
19	45	1	1.9	15.3	29.7	120.9	25%	
20	45	2	7.9	15.3	120.9	120.9	100%	
21	45	1	7.9	2.4	18.6	18.6	100%	
22	45	2	7.9	2.4	18.6	18.6	100%	
23	45	1	6.8	4.7	32.2	37.2	87%	
24	45	2	7.9	4.7	37.2	37.2	100%	
25	45	1	0.0	157.2	0.0	1240.4	0%	C
26	45	2	0.0	157.2	0.0	1240.4	0%	C
27	45	3	7.9	30.7	242.2	242.2	100%	C
28	45	4	7.9	17.1	134.9	134.9	100%	
29	45	3	7.9	8.3	65.1	65.1	100%	
30	45	4	7.9	13.6	107.3	107.3	100%	C
31	45	3	7.9	104.9	827.7	827.7	100%	
32	45	4	7.9	29.5	232.4	232.4	100%	
33	45	3	7.9	5.9	46.5	46.5	100%	
34	45	4	3.9	28.9	114.0	228.0	50%	C
35	45	4	7.9	20.0	158.1	158.1	100%	
36	45	4	7.9	8.3	65.1	65.1	100%	
37	45	3	0.0	274.5	0.0	2165.8	0%	C
38	45	4	0.0	307.0	0.0	2422.2	0%	C
39	60	1	7.9	159.8	1261.1	1261.1	100%	C
40	60	2	7.9	156.9	1237.9	1237.9	100%	C
41	60	1	2.9	31.2	89.0	246.4	36%	
42	60	2	7.9	31.2	246.4	246.4	100%	
43	60	1	7.1	7.1	49.9	55.6	90%	C
44	60	2	7.9	10.0	79.1	79.1	100%	

45	60	2	0.3	80.2	20.4	632.4	3%	
46	60	2	2.2	33.6	72.9	265.0	28%	
47	60	2	5.8	14.1	82.6	111.6	74%	
48	60	2	7.4	31.2	232.0	246.4	94%	
49	60	1	1.3	15.3	20.4	120.9	17%	
50	60	2	7.9	15.3	120.9	120.9	100%	
51	60	2	5.8	17.1	99.8	134.8	74%	
52	60	1	2.1	15.3	31.6	120.9	26%	
53	60	2	7.9	15.3	120.9	120.9	100%	
54	60	1	7.9	2.4	18.6	18.6	100%	
55	60	2	7.9	2.4	18.6	18.6	100%	
56	60	1	6.0	4.7	28.0	37.2	75%	
57	60	2	7.9	4.7	37.2	37.2	100%	
58	60	1	0.0	188.4	0.0	1486.6	0%	C
72	60	2	0.0	12.2	0.0	96.3	0%	C
59	60	3	7.9	19.5	153.9	153.9	100%	C
60	60	4	7.9	17.1	134.9	134.9	100%	
61	60	3	7.9	8.3	65.1	65.1	100%	
62	60	4	7.9	0.0	0.0	0.0	0%	C
63	60	3	7.9	104.9	827.7	827.7	100%	
64	60	4	7.9	29.5	232.4	232.4	100%	
65	60	4	7.9	4.1	32.6	32.6	100%	
66	60	3	3.9	17.1	67.5	134.9	50%	C
67	60	4	7.9	31.3	247.0	247.0	100%	C
68	60	4	7.9	20.0	158.1	158.1	100%	
69	60	4	7.9	8.3	65.1	65.1	100%	
70	60	3	0.0	274.5	0.0	2165.8	0%	C
71	60	4	0.0	314.1	0.0	2478.2	0%	C
				Totals:	*13032.9*	*30128.2*	*43%*	

Adjacent Base Metal

Entry #	Exam. Angle (deg.)	Beam Direction	Area Examined (sq. in.)	Length Examined (in.)	Volume Examined (cu. in.)	Volume Required (cu. in.)	Percent Examined	
1	0	n/a	28.9	44.3	1278.4	1278.4	100%	C
2	0	n/a	28.9	35.4	1021.3	1021.3	100%	
3	0	n/a	28.9	104.9	3030.6	3030.6	100%	
4	0	n/a	23.1	4.1	95.4	119.3	80%	
5	0	n/a	27.4	67.2	1837.4	1940.8	95%	
6	0	n/a	26.7	20.0	535.3	579.0	92%	
7	0	n/a	6.4	4.7	30.0	135.8	22%	
8	0	n/a	28.9	8.3	238.3	238.3	100%	
9	0	n/a	0.0	135.5	0.0	3913.2	0%	C
10	45	1&2	28.9	156.9	4532.6	4532.6	100%	C
11	45	1&2	27.7	31.2	865.1	902.2	96%	
12	45	1&2	28.9	10.0	289.5	289.5	100%	
13	45	1&2	0.0	92.4	0.0	2669.7	0%	C
14	45	1&2	1.5	33.6	49.0	970.4	5%	
15	45	1&2	13.0	14.1	184.0	408.5	45%	
16	45	1&2	19.0	31.2	592.4	902.2	66%	
17	45	1&2	23.7	15.3	363.4	442.6	82%	
18	45	1&2	13.0	17.1	222.2	493.7	45%	
19	45	1&2	26.0	15.3	398.6	442.6	90%	
20	45	1&2	28.9	2.4	68.2	68.2	100%	
21	45	1&2	28.9	4.7	136.1	136.1	100%	
22	45	3	28.9	19.5	563.4	563.4	100%	C
23	45	4	28.9	17.1	494.0	494.0	100%	
24	45	3	28.9	8.3	238.3	238.3	100%	
25	45	4	27.8	13.6	377.9	392.9	96%	C
26	45	3	28.9	104.9	3030.6	3030.6	100%	
27	45	4	22.5	29.5	663.1	851.1	78%	

28	45	3	1.1	15.9	17.3	458.8	4%	C
29	45	4	14.3	4.1	59.2	119.3	50%	
30	45	3	27.4	17.1	467.7	494.0	95%	C
31	45	4	14.7	28.9	423.4	834.9	51%	C
32	45	3	18.8	10.0	188.2	288.9	65%	
33	45	4	10.1	8.8	88.5	254.2	35%	C
34	45	3	6.4	4.7	30.0	135.8	22%	
35	45	4	15.0	8.3	123.7	238.3	52%	
36	45	3	0.0	243.9	0.0	7046.8	0%	C
37	45	4	0.0	314.1	0.0	9074.3	0%	C
38	60	1&2	28.9	156.9	4532.6	4532.6	100%	C
39	60	1&2	28.8	31.2	898.5	902.2	100%	
40	60	1&2	28.9	10.0	289.5	289.5	100%	
41	60	1&2	3.6	80.2	286.1	2315.5	12%	
42	60	1&2	10.6	33.6	354.7	970.4	37%	
43	60	1&2	21.0	14.1	297.2	408.5	73%	
44	60	1&2	24.4	31.2	761.1	902.2	84%	
45	60	1&2	27.2	15.3	416.9	442.6	94%	
46	60	1&2	21.0	17.1	359.2	493.7	73%	
47	60	1&2	28.2	15.3	432.3	442.6	98%	
48	60	1&2	28.9	2.4	68.2	68.2	100%	
49	60	1&2	28.9	4.7	136.1	136.1	100%	
65	60	1&2	0.0	12.2	0.0	352.7	0%	C
50	60	3	28.9	30.7	886.9	886.9	100%	C
51	60	4	28.9	17.1	494.0	494.0	100%	
52	60	3	27.8	8.3	229.3	238.3	96%	
53	60	4	28.9	13.6	392.9	392.9	100%	C
54	60	3	22.5	93.7	2109.2	2707.0	78%	C
55	60	4	28.9	29.5	851.1	851.1	100%	
56	60	4	23.1	4.1	95.4	119.3	80%	
57	60	3	14.7	17.1	250.6	494.0	51%	C
58	60	4	27.4	28.9	790.4	834.9	95%	C
59	60	3	10.1	10.0	100.6	288.9	35%	
60	60	4	18.8	8.8	165.6	254.2	65%	C
61	60	4	6.4	4.7	30.0	135.8	22%	
62	60	4	28.9	8.3	238.3	238.3	100%	
63	60	3	0.0	264.5	0.0	7641.4	0%	C
64	60	4	0.0	309.4	0.0	8938.6	0%	C
				Totals:	*37999.5*	*85803.3*	*44%*	

Near Surface

Entry #	Exam. Angle (deg.)	Beam Direction	Area Examined (sq. in.)	Length Examined (in.)	Volume Examined (cu. in.)	Volume Required (cu. in.)	Percent Examined	
1	70	axial	6.8	159.8	1086.9	1086.9	100%	C
2	70	axial	2.1	31.2	64.0	212.4	30%	
3	70	axial	6.4	7.1	45.3	47.9	95%	C
4	70	axial	0.6	15.3	9.5	104.2	9%	
5	70	axial	1.3	15.3	19.5	104.2	19%	
6	70	axial	6.8	2.4	16.0	16.0	100%	
7	70	axial	4.4	4.7	20.6	32.0	64%	
8	70	axial	0.0	188.4	0.0	1281.2	0%	C
9	70	circ	6.8	30.7	208.8	208.8	100%	C
10	70	circ.	6.8	35.4	240.4	240.4	100%	
11	70	circ	5.6	93.7	525.7	637.2	83%	C
12	70	circ	5.7	4.1	23.5	28.1	84%	
13	70	circ.	6.5	67.2	434.0	456.8	95%	
14	70	circ	4.9	20.0	98.4	136.3	72%	
15	70	circ	1.2	4.7	5.6	32.0	18%	
16	70	circ.	6.8	8.3	56.1	56.1	100%	
18	70	circ.	3.4	11.2	38.4	76.2	50%	C
17	70	circ.	0.0	149.0	0.0	1013.2	0%	C
				Totals:	*2892.7*	*5769.7*	*50%*	

EXAMINATION COVERAGE FOR OUTLET NOZZLE:W19, W25, W27, W33

AGGREGATE COVERAGE OBTAINED FOR WELD: 52% **AGGREGATE COVERAGE OBTAINED FOR INSIDE RADIUS 94%**

COVERAGE FROM BORE AND SHELL

Zone Coverage Obtained

Weld and Adjacent Base Metal: 51% Near (ID) Surface: 76% Inside Radius: 94%

HORIZONTAL SECTION EVALUATION

Examination Volume Definition

Weld Diameter: 49.063 in. Nozzle Bore Diameter: 28.97 in.

Area Measurement			Volume Calculation		
Weld	18.68	sq. in.	Weld	1439.6	cu. in.
Adjacent Base Metal	149.71	sq. in.	Adjacent Base Metal	11537.8	cu. in.
Near Surface	13.9	sq. in.	Near Surface	1071.2	cu. in.
Inside Radius	6.76	sq. in.	Inside Radius	307.6	cu. in.

Examination Coverage Calculations

Weld and Adjacent Base Metal

Entry #	Exam. Angle (deg.)	Beam Direction	Area Examined (sq. in.)	Degrees Examined (in.)	Volume Examined (cu. in.)	Volume Required (cu. in.)	Percent Examined
1	0/45	bore	168.4	180.0	12978.2	12977.5	100%
2	45/60	shell/3	61.9	180.0	4766.7	12977.5	37%
3	45/60	shell/4	29.6	180.0	2281.2	12977.5	18%
4	0	shell	61.9	180.0	4766.7	12977.5	37%
				Totals:	***24792.8***	***51909.9***	***48%***

Near Surface

Entry #	Exam. Angle (deg.)	Beam Direction	Area Examined (sq. in.)	Degrees Examined (in.)	Volume Examined (cu. in.)	Volume Required (cu. in.)	Percent Examined	
1	70	shell/3,4	7.3	180.0	560.3	1071.2	52%	(PERPENDICULAR)
2	45	bore	13.9	180.0	1071.2	1071.2	100%	(PARALLEL)
				Totals:	***1631.5***	***2142.5***	***76%***	

Inside Radius

Entry #	Exam. Angle (deg.)	Beam Direction	Area Examined (sq. in.)	Degrees Examined (in.)	Volume Examined (cu. in.)	Volume Required (cu. in.)	Percent Examined
1	70	axial	6.6	180.0	300.3	307.6	98%
2	70	circ	5.7	180.0	259.4	307.6	84%
				Totals:	***559.7***	***615.2***	***91%***

Note: The horizontal section coverage requirement is considered to be 180° total; 45° each side of 90° and 270°.

VERTICAL SECTION EVALUATION

Examination Volume Definition

Weld Diameter: 49.063 in. Nozzle Bore Diameter: 28.97 in.

Area Measurement			Volume Calculation		
Weld	18.68	sq. in.	Weld	1439.6	cu. in.
Adjacent Base Metal	160.68	sq. in.	Adjacent Base Metal	12383.3	cu. in.
Near Surface	13.82	sq. in.	Near Surface	1065.1	cu. in.
Inside Radius	7.24	sq. in.	Inside Radius	329.5	cu. in.

Examination Coverage Calculations

Weld and Adjacent Base Metal

Entry #	Exam. Angle (deg.)	Beam Direction	Area Examined (sq. in.)	Degrees Examined (in.)	Volume Examined (cu. in.)	Volume Required (cu. in.)	Percent Examined
1	0/45	bore	179.4	180.0	13822.9	13822.9	100%
2	45/60	shell/3	81.3	180.0	6265.6	13822.9	45%
3	45/60	shell/4	44.9	180.0	3460.4	13822.9	25%
4	0	shell	81.3	180.0	6265.6	13822.9	45%
				Totals:	***29814.5***	***55291.7***	***54%***

Near Surface

Entry #	Exam. Angle (deg.)	Beam Direction	Area Examined (sq. in.)	Degrees Examined (in.)	Volume Examined (cu. in.)	Volume Required (cu. in.)	Percent Examined	
1	70	shell/3,4	7.2	180.0	551.8	1065.1	52%	(PERPENDICULAR)
2	45	bore	13.8	180.0	1065.1	1065.1	100%	(PARALLEL)
				Totals:	***1616.9***	***2130.2***	***76%***	

Inside Radius

Entry #	Exam. Angle (deg.)	Beam Direction	Area Examined (sq. in.)	Degrees Examined (in.)	Volume Examined (cu. in.)	Volume Required (cu. in.)	Percent Examined
1	70	axial	7.2	180.0	329.5	329.5	100%
2	70	circ	6.9	180.0	312.6	329.5	95%
				Totals:	***642.1***	***658.9***	***97%***

Note: The vertical section coverage requirement is considered to be 180° total; 45° each side of 0° and 180°.

EXAMINATION COVERAGE FOR PIPE WELD: W20,W26,W28,W34

AGGREGATE COVERAGE OBTAINED: 100%

Zone Coverage Obtained

Weld & Adjacent Base Metal: 100% Near (ID) Surface: 100%

Examination Volume Definition

Weld Length: 91.01 in.

Area Measurement		Volume Calculation	
Weld & Adjacent Base Metal	4.77 sq. in.	Weld & Adjacent Base Metal:	434.1177 cu. in.
Near Surface	4.77 sq. in.	Near Surface	434.1177 cu. in.

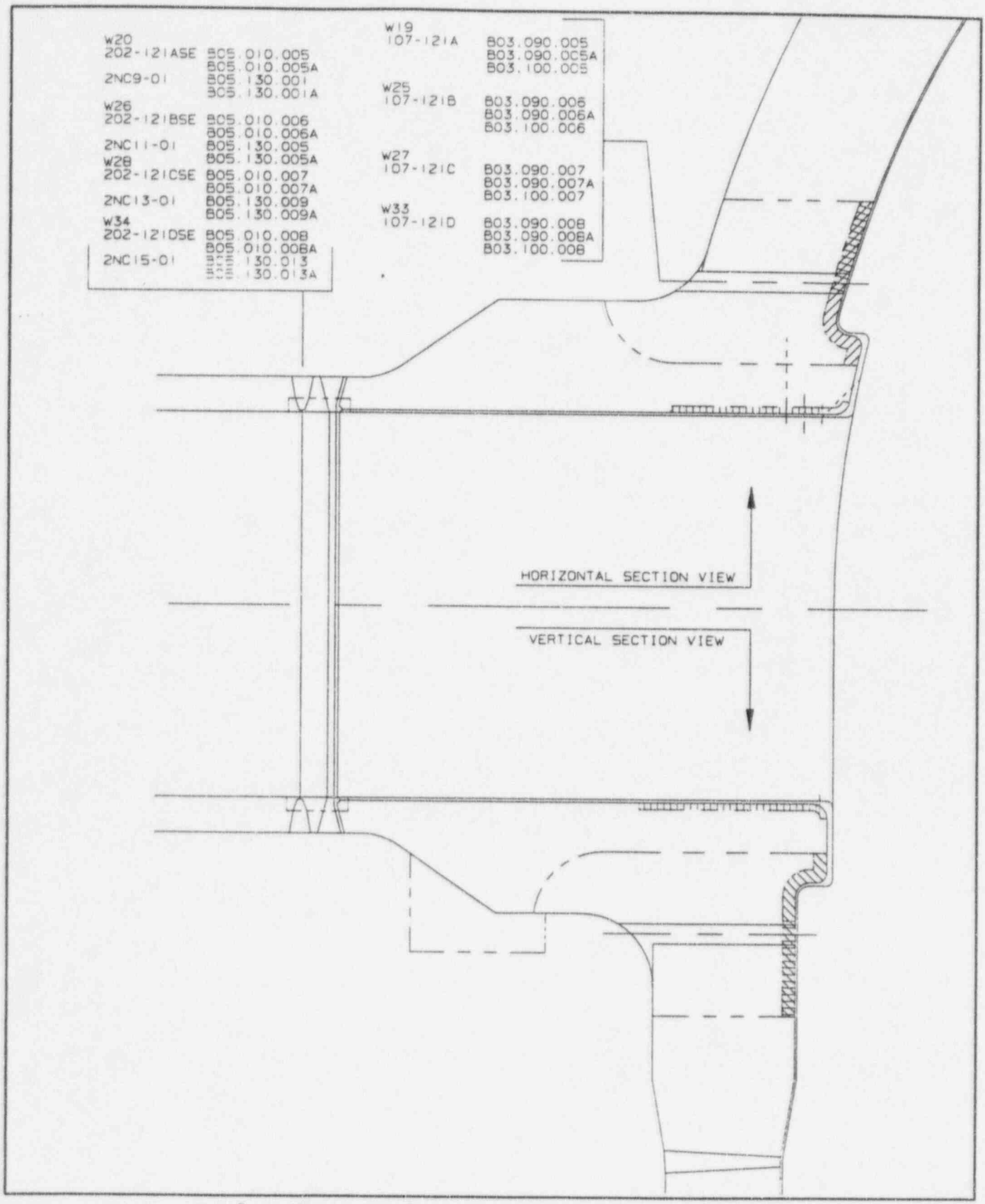
Examination Coverage Calculations

Weld & Adjacent Base Metal

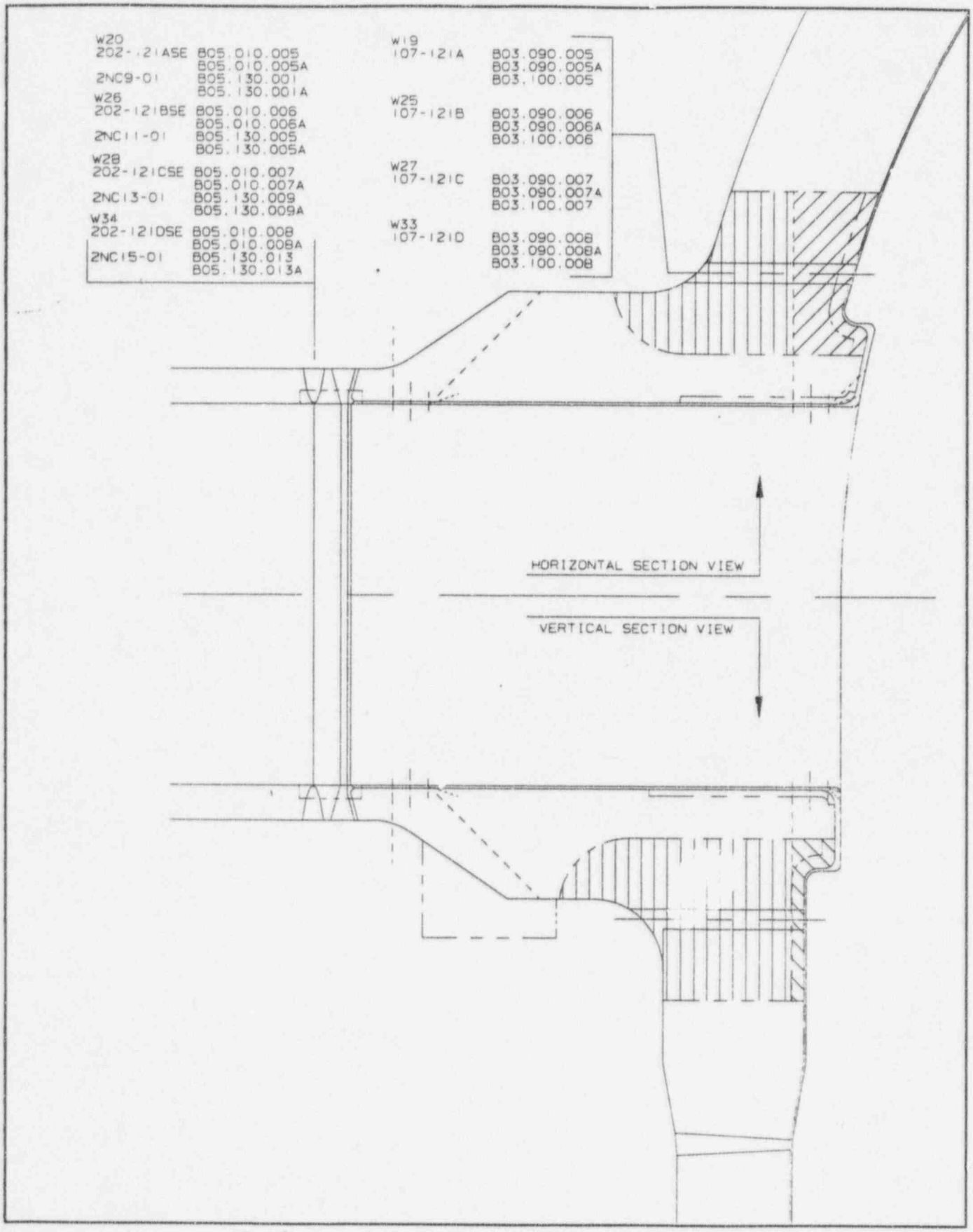
Entry #	Exam. Angle (deg.)	Beam Direction	Area Examined (sq. in.)	Length Examined (in.)	Volume Examined (cu. in.)	Volume Required (cu. in.)	Percent Examined
1	0	n/a	4.8	91.0	434.1	434.1	100%
2	45	1&2	4.8	91.0	434.1	434.1	100%
3	45	3	4.8	91.0	434.1	434.1	100%
4	45	4	4.8	91.0	434.1	434.1	100%
				Totals:	*1736.5*	*1736.5*	*100%*

Near Surface

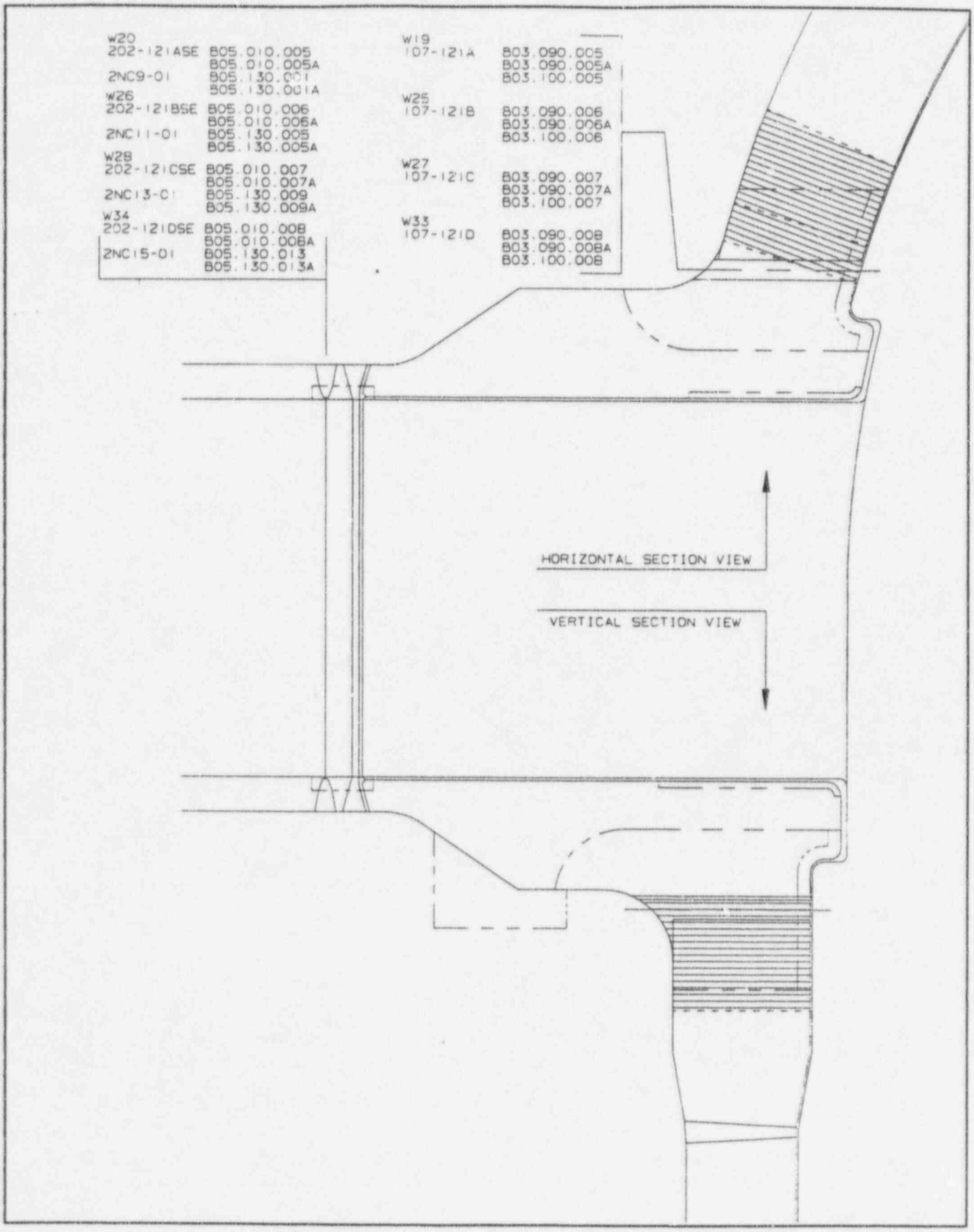
Entry #	Exam. Angle (deg.)	Beam Direction	Area Examined (sq. in.)	Length Examined (in.)	Volume Examined (cu. in.)	Volume Required (cu. in.)	Percent Examined
1	70	axial	4.8	91.0	434.1	434.1	100%
2	70	circ	4.8	91.0	434.1	434.1	100%
				Totals:	*868.2*	*868.2*	*100%*



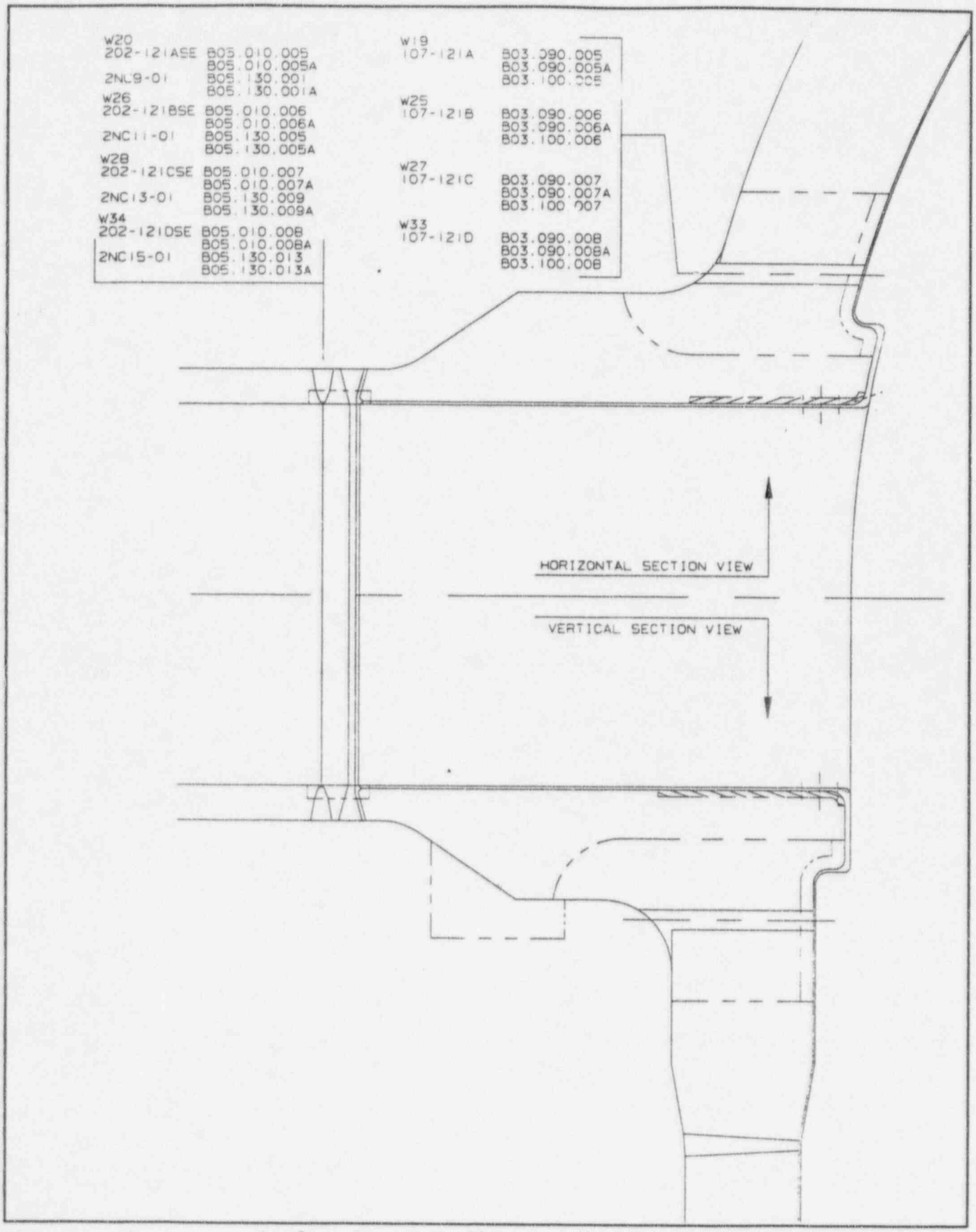
Outlet Near Surface & Inner Radius Coverage



Outlet Axial Coverage From Nozzle ID



Outlet Circ Coverage From Vessel ID



Outlet Inner Radius Axial Coverage

EXAMINATION COVERAGE FOR INLET NOZZLE: W21, W23, W29, W31

AGGREGATE COVERAGE OBTAINED FOR WELD: 91% **AGGREGATE COVERAGE OBTAINED FOR INSIDE RADIUS 81%**

COVERAGE FROM BORE AND SHELL

Zone Coverage Obtained

Weld and Adjacent Base Metal: 91% Near (ID) Surface: 88% Inside Radius: 81%

HORIZONTAL SECTION EVALUATION

Examination Volume Definition

Weld Diameter: 57 in. Nozzle Bore Diameter: 34.22 in.

Area Measurement			Volume Calculation		
Weld	18.75	sq. in.	Weld	1678.8	cu. in.
Adjacent Base Metal	145.33	sq. in.	Adjacent Base Metal	13012.2	cu. in.
Near Surface	13.84	sq. in.	Near Surface	1239.2	cu. in.
Inside Radius	4.31	sq. in.	Inside Radius	231.7	cu. in.

Examination Coverage Calculations

Weld and Adjacent Base Metal

Entry #	Exam. Angle (deg.)	Beam Direction	Area Examined (sq. in.)	Degrees Examined (in.)	Volume Examined (cu. in.)	Volume Required (cu. in.)	Percent Examined
1	0/45	bore	152.4	180.0	13647.0	14691.0	93%
2	45/60	shell/3	138.3	180.0	12379.2	14691.0	84%
3	45/60	shell/4	111.3	180.0	9968.0	14691.0	68%
4	0	shell	138.3	180.0	12379.2	14691.0	84%
				Totals:	***48373.3***	***58763.9***	***82%***

Near Surface

Entry #	Exam. Angle (deg.)	Beam Direction	Area Examined (sq. in.)	Degrees Examined (in.)	Volume Examined (cu. in.)	Volume Required (cu. in.)	Percent Examined	
1	70	shell/3,4	13.8	180.0	1239.2	1239.2	100%	(PERPENDICULAR)
2	45	bore	7.2	180.0	645.6	1239.2	52%	(PARALLEL)
				Totals:	***1884.7***	***2478.3***	***76%***	

Inside Radius

Entry #	Exam. Angle (deg.)	Beam Direction	Area Examined (sq. in.)	Degrees Examined (in.)	Volume Examined (cu. in.)	Volume Required (cu. in.)	Percent Examined
1	70	axial	4.3	180.0	231.7	231.7	100%
2	70	circ	3.0	180.0	158.6	231.7	68%
				Totals:	***390.2***	***463.3***	***84%***

Note: The horizontal section coverage requirement is considered to be 180° total; 45° each side of 90° and 270°.

VERTICAL SECTION EVALUATION

Examination Volume Definition

Weld Diameter: 57 in. Nozzle Bore Diameter: 34.22 in.

Area Measurement			Volume Calculation		
Weld	19.91	sq. in.	Weld	1782.6	cu. in.
Adjacent Base Metal	156.75	sq. in.	Adjacent Base Metal	14034.7	cu. in.
Near Surface	12.25	sq. in.	Near Surface	1096.8	cu. in.
Inside Radius	6.67	sq. in.	Inside Radius	358.5	cu. in.

Examination Coverage Calculations

Weld and Adjacent Base Metal

Entry #	Exam. Angle (deg.)	Beam Direction	Area Examined (sq. in.)	Degrees Examined (in.)	Volume Examined (cu. in.)	Volume Required (cu. in.)	Percent Examined
1	0/45	bore	176.6	180.0	15811.1	15817.3	100%
2	45/60	shell/3	176.7	180.0	15817.3	15817.3	100%
3	45/60	shell/4	176.7	180.0	15817.3	15817.3	100%
4	0	shell	176.7	180.0	15817.3	15817.3	100%
				Totals:	***63263.0***	***63269.3***	***100%***

Near Surface

Entry #	Exam. Angle (deg.)	Beam Direction	Area Examined (sq. in.)	Degrees Examined (in.)	Volume Examined (cu. in.)	Volume Required (cu. in.)	Percent Examined	
1	70	shell/3,4	12.3	180.0	1096.8	1096.8	100%	(PERPENDICULAR)
2	45	bore	12.3	180.0	1096.8	1096.8	100%	(PARALLEL)
				Totals:	***2193.6***	***2193.6***	***100%***	

Inside Radius

Entry #	Exam. Angle (deg.)	Beam Direction	Area Examined (sq. in.)	Degrees Examined (in.)	Volume Examined (cu. in.)	Volume Required (cu. in.)	Percent Examined
1	70	axial	5.1	180.0	273.6	358.5	76%
2	70	circ	5.2	180.0	280.1	358.5	78%
				Totals:	***553.7***	***717.1***	***77%***

Note: The vertical section coverage requirement is considered to be 180° total; 45° each side of 0° and 180°.

EXAMINATION COVERAGE FOR PIPE WELD: W22,W24,W30,W32

AGGREGATE COVERAGE OBTAINED: 100%

Zone Coverage Obtained

Weld & Adjacent Base Metal: 100% Near (ID) Surface: 100%

Examination Volume Definition

Weld Length: 86.3 in.

Area Measurement		Volume Calculation	
Weld & Adjacent Base Metal	4.97 sq. in.	Weld & Adjacent Base Metal:	428.911 cu. in.
Near Surface	4.97 sq. in.	Near Surface	428.911 cu. in.

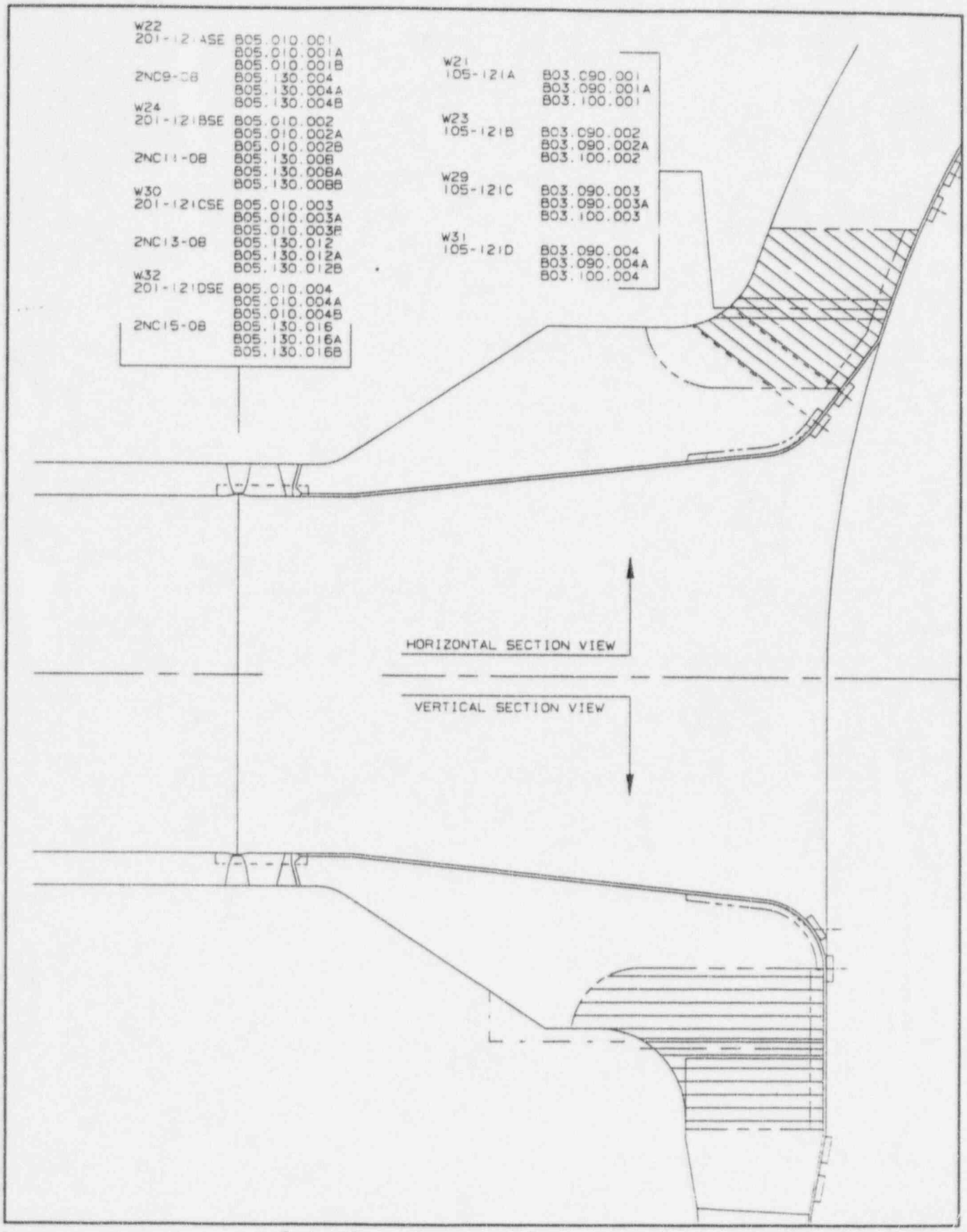
Examination Coverage Calculations

Weld & Adjacent Base Metal

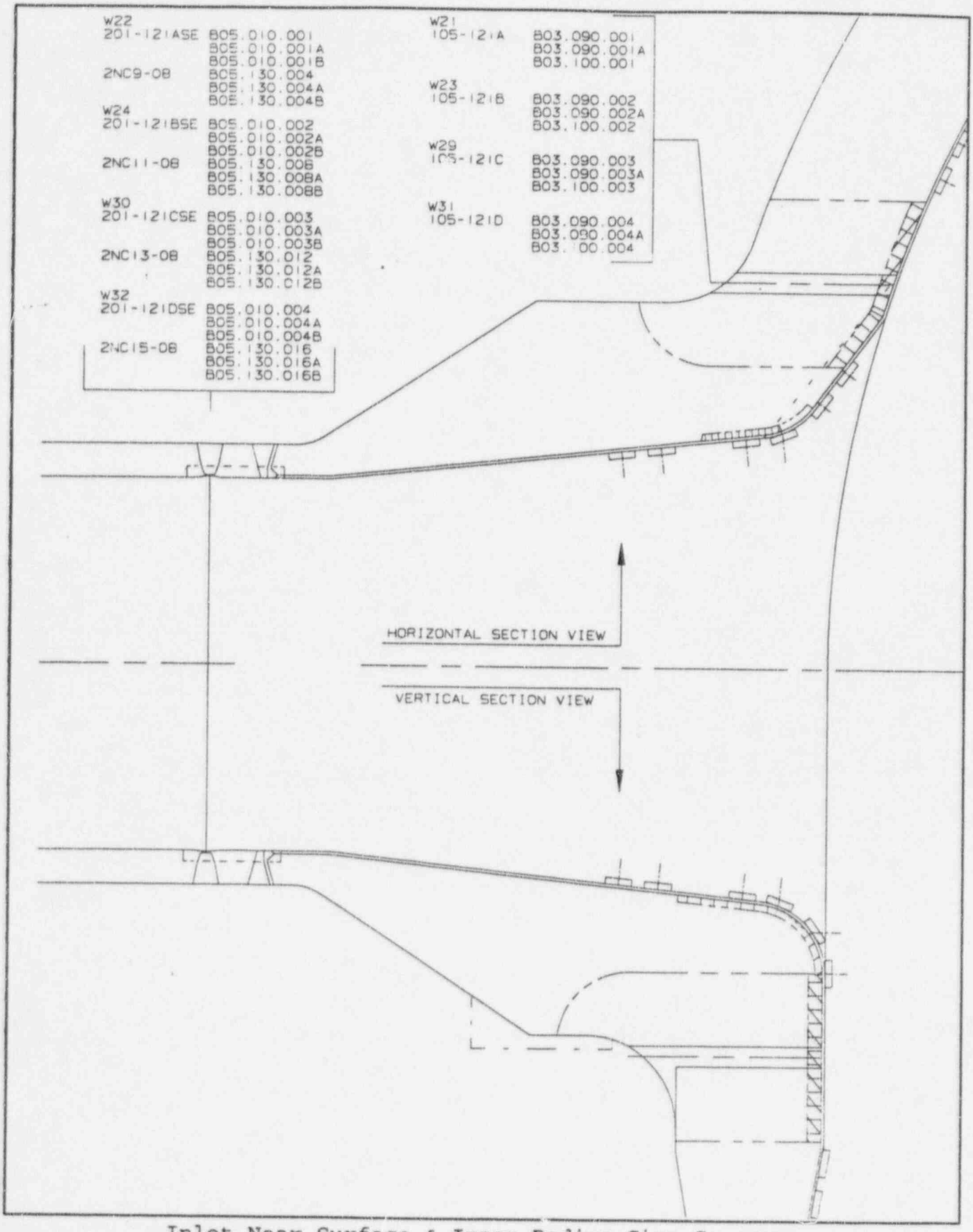
Entry #	Exam. Angle (deg.)	Beam Direction	Area Examined (sq. in.)	Length Examined (in.)	Volume Examined (cu. in.)	Volume Required (cu. in.)	Percent Examined
1	0	n/a	5.0	91.0	452.3	452.3	100%
2	45	1&2	5.0	91.0	452.3	452.3	100%
3	45	3	5.0	91.0	452.3	452.3	100%
4	45	4	5.0	91.0	452.3	452.3	100%
				Totals:	*1809.3*	*1809.3*	*100%*

Near Surface

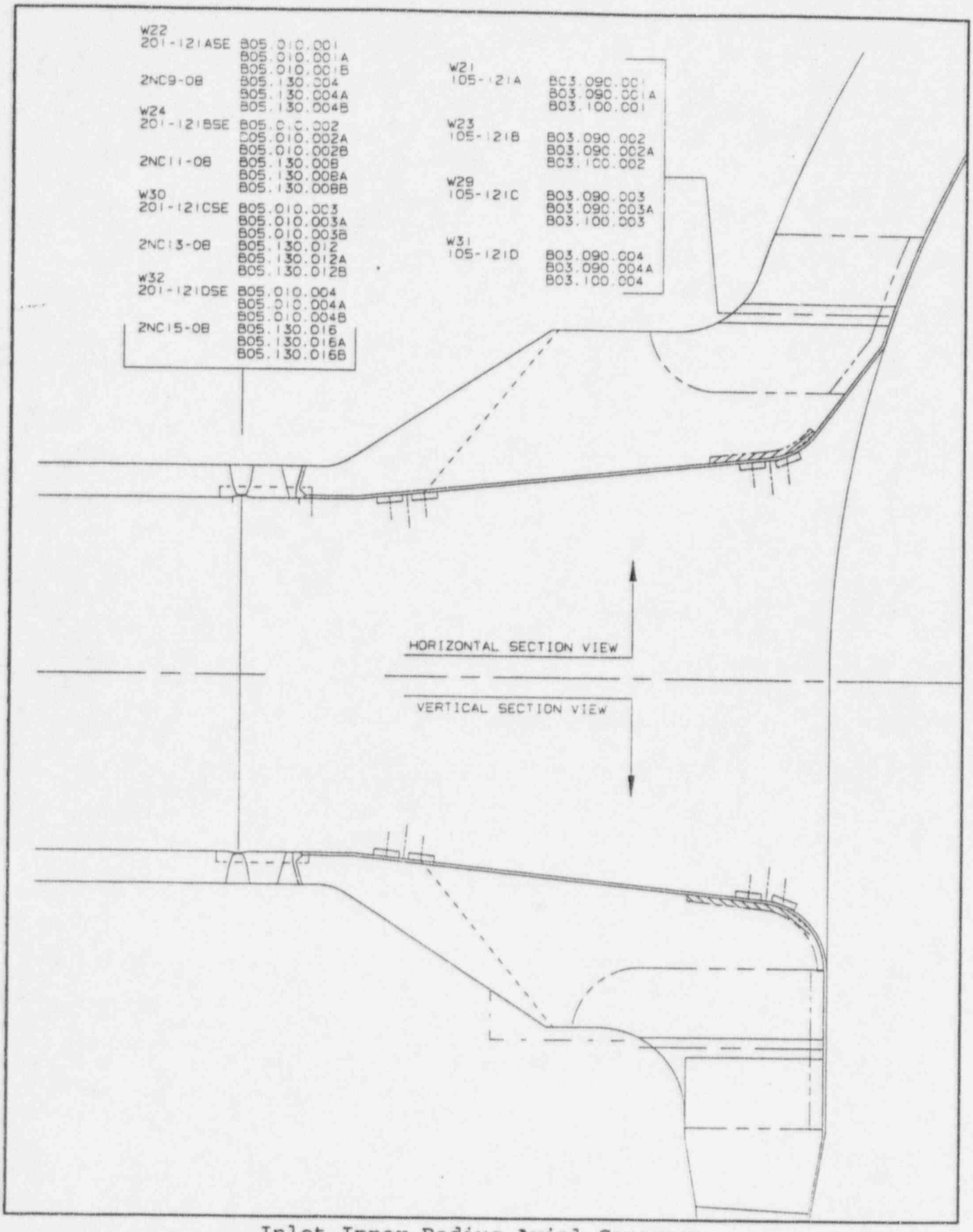
Entry #	Exam. Angle (deg.)	Beam Direction	Area Examined (sq. in.)	Length Examined (in.)	Volume Examined (cu. in.)	Volume Required (cu. in.)	Percent Examined
1	70	axial	5.0	91.0	452.3	452.3	100%
2	70	circ	5.0	91.0	452.3	452.3	100%
				Totals:	*904.6*	*904.6*	*100%*



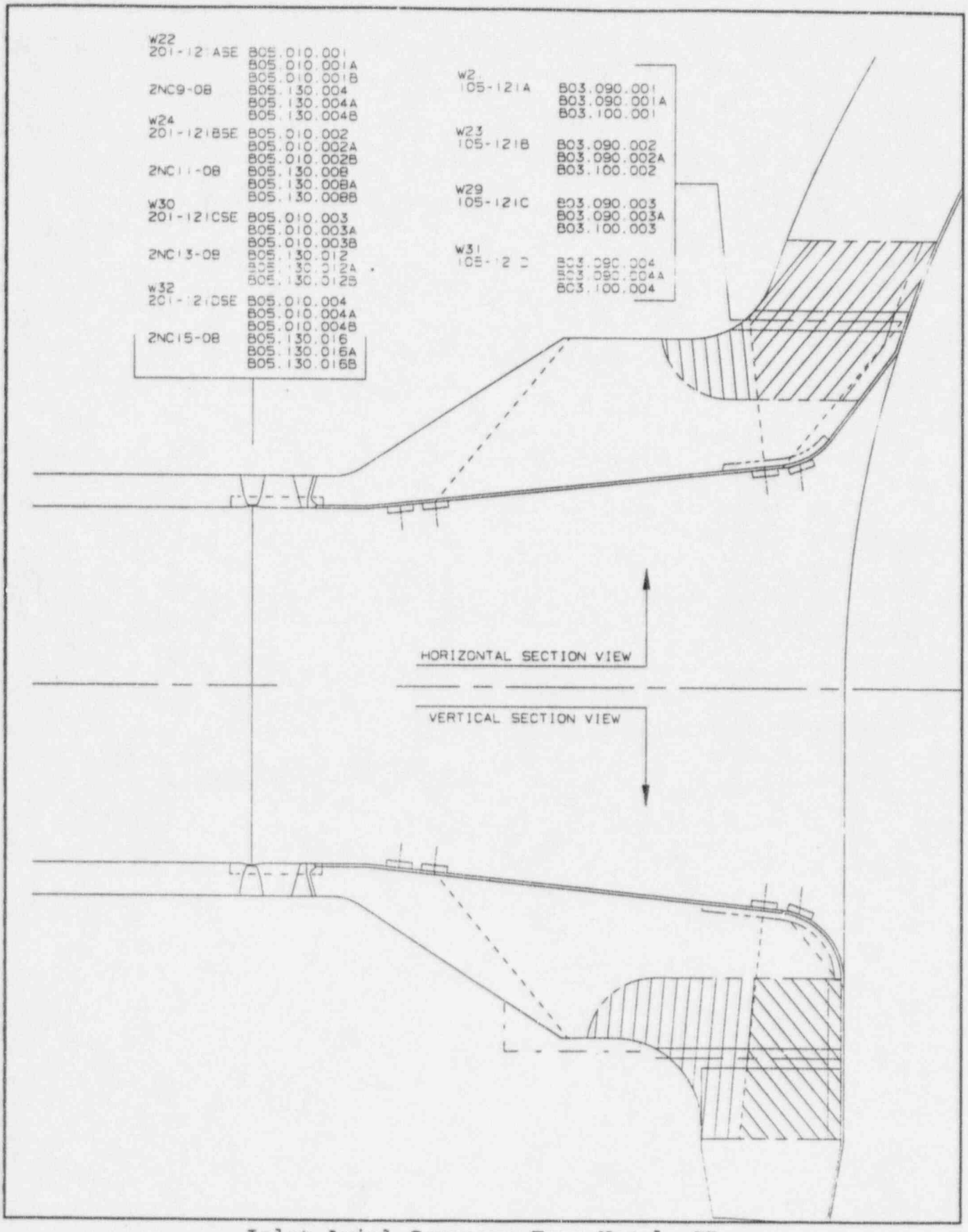
Inlet Circ Coverage from Vessel ID



Inlet Near Surface & Inner Radius Circ Coverage



Inlet Inner Radius Axial Coverage



Inlet Axial Coverage From Nozzle ID

DUKE POWER COMPANY

ULTRASONIC EXAMINATION DATA SHEET FOR PLANAR REFLECTORS

Exam Start: 1000
Exam Finish: 1035
Form NDE-UT-2A
Revision 4
Date: 10-24-95

Station: CATAWBA
Unit: II
Component/Weld ID: 2NC13-6
Weld Length (in.): 106.5
Surface Condition: AS GROUND
Lo: PER B+W #2
Surface Temperature: 82 °F
Pyrometer S/N: MCNDG 27016
Cal Due: 960712

Examiner: Richard B. Childers Level: II
Examiner: Winfred C. Lesper Level: II
Procedure: NDE 610 Rev: 2
FC: N/A
Calibration Sheet No: 9502041, 9502042

Scans:
45 ☒ 60.5 dB 70 ☐ ____ dB
45T ☒ 69.0 dB 70T ☐ ____ dB
60 ☐ ____ dB
60T ☐ ____ dB
Other: ____ dB

Configuration: CIRC. WELD
S2 Flow S1
ELBOW to PUMP
Scan Surface: OD
Applies to NDE-680 only
Skew Angle:

IND #	∡	Max % Ref	Mp Max	W Max	L Max	L1	L2	W1	Mp1	W2	Mp2	Beam Dir	Exam surf.	Scan	Damps
	DO NOT WRITE IN THIS SPACE					20%dac HMA 50%dac 100% dac	20%dac HMA 50%dac 100% dac	20%dac HMA 50%dac 100% dac	20%dac HMA 50%dac 100% dac	20%dac HMA 50%dac 100% dac	20%dac HMA 50%dac 100% dac	DO NOT WRITE IN THIS SPACE			
	NO RECORDABLE INDICATIONS (AXIAL & [illegible])														

Remarks: SCANNED WITH +6DB DUE TO SIGNAL TO NOISE RATIO PER PARA. 8.3.11 SSB 10-31-95

Limitations: (see NDE-UT-4) ☒ 90% or greater coverage obtained: yes ☐ no ☒

Sheet 1 of 34

Reviewed By: Gary L Bibb Level: III Date: 10-25-95

Authorized Inspector: Robert McGill Date: 10-26-95

Item No: B09.011.019

DUKE POWER COMPANY

ISI LIMITATION REPORT

FORM NDE- UT-4

Revision 1

Component/Weld ID: 2NC13-6 Item No: B09.011.019

☐ NO SCAN ☒ LIMITED SCAN

SURFACE ☐1 ☐2

BEAM DIRECTION ☐1 ☐2 ☐cw ☐ccw

FROM L * to L _____ INCHES FROM WO C/L to 2.5"

ANGLE: ☐0 ☐45 ☐60 other 45°L FROM ____ DEG to ____ DEG

☒ NO SCAN ☐ LIMITED SCAN

SURFACE ☒1 ☐2

BEAM DIRECTION ☐1 ☒2 ☐cw ☐ccw

FROM L _____ to L _____ INCHES FROM WO 1.0" to BEYOND

ANGLE: ☐0 ☐45 ☐60 other 45°L FROM 0 DEG to 360 DEG

☐ NO SCAN ☐ LIMITED SCAN

SURFACE ☐1 ☐2

BEAM DIRECTION ☐1 ☐2 ☐cw ☐ccw

FROM L _____ to L _____ INCHES FROM WO _____ to _____

ANGLE: ☐0 ☐45 ☐60 other FROM ____ DEG to ____ DEG

☐ NO SCAN ☐ LIMITED SCAN

SURFACE ☐1 ☐2

BEAM DIRECTION ☐1 ☐2 ☐cw ☐ccw

FROM L _____ to L _____ INCHES FROM WO _____ to _____

ANGLE: ☐0 ☐45 ☐60 other FROM ____ DEG to ____ DEG

remarks:

* 3 INSULATION SUPPORTS AT THE CENTER LINE OF THE WELD, EQUALLY SPACED 120° APART. (2.5"X2.5")

PUMP CONFIGURATION

Sketch(s) attached ☑ yes ☐ no

Prepared By: Richard B Childers Level: II Date: 10-24-95

Sheet 2 of 34 DDB 10-31-95

Reviewed By: Guy L. Bibb III Date: 10-25-95

Authorized Inspector: Robert M. Hall Date: 10-26-95

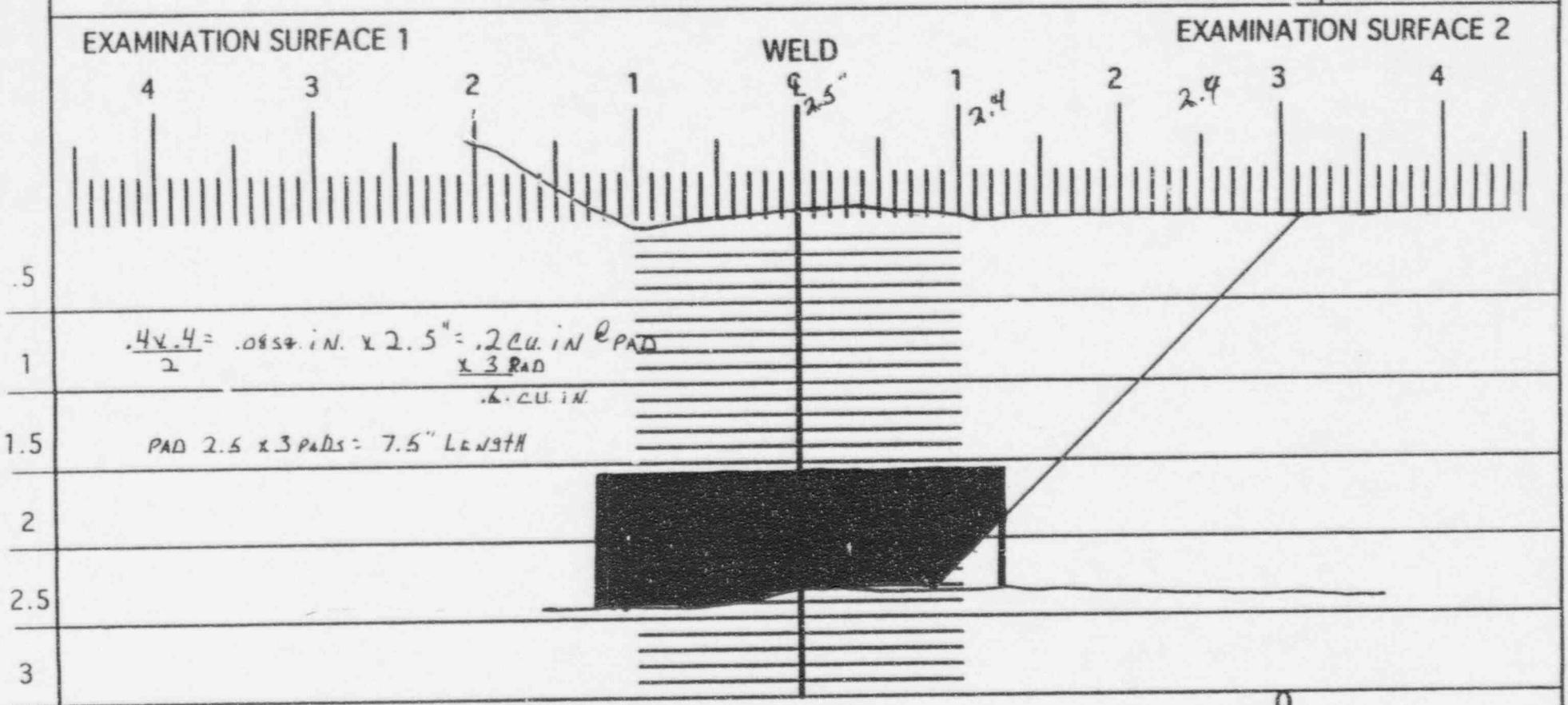
(54)

DUKE POWER COMPANY

UT PROFILE/PLOT SHEET

NDE-UT-5

Revision 1



Component ID/Weld No. 2NC13-6

Remarks: AREA NOT Inspected was 2.5" x 2.5" each 3 INSulation (Tube Steel) Spaced 120° apart.

100-26.69 = 73.31% Coverage

Item No: B09.011.019

Examiner: [signature] Level: II Date: 10-24-96

Reviewed By: [signature] Level: III Date: 10-25-95

Authorized Inspector: Robert McGill Date: 10-26-95

0

270 Profile taken at: 0 90

180

Sheet 3 of 4

DAB 10-31-95

DUKE POWER COMPANY	NDE-91-1
Limited Examination Coverage Worksheet	Revision 0

Examination Volume/Area Defined

Base Metal ☒ Weld ☒ Near Surface ☐ Bolting ☐ Inner Radius ☐

Area Calculation	Volume Calculation
	.8 x 2.5 x 106.5 = 213 cu. in.

Coverage Calculations

Scan #	Angle	Beam Direction	Area Examined (sq.in.)	Length Examined (in)	Volume Examined (cu.in.)	Volume Required (cu.in.)	Percent Coverage
1	45L	CCW	2.0	106.5	213	213	100%
2	45L	CW	2.0	106.5	213	213	100%
3	45L	1	2.0	99	198	198.6 ÷ 213	93.24%
3	45L	1	.08	7.5	.6		
4	45L	2	0	0	0	213	0
					624.6	852	73.31%

Aggregate % 73.30%

SHEET 4 OF 4

Item No: B09.011.019

Prepared BY: Winfield C Keeper Level: II Date: 10-24-95

Reviewed By: Gary L Babb Level: III Date: 10-25-95

DUKE POWER COMPANY

ULTRASONIC EXAMINATION DATA SHEET FOR PLANAR REFLECTORS

Exam Start: 1450	Form NDE-UT-2A
Exam Finish: 1518	Revision 4
	Date: 10/25/95

Station: CATAWBA | Unit: 2 | Component/Weld ID: 2ND-37A

Weld Length (in.): 163" | Surface Condition: AS GROUND | * 2.2.2 Lo: ~~9.1.1.6~~ 9.10/25/95

Surface Temperature: 20 °C

Pyrometer S/N: MCNDE27011

Cal Due: 960614

Examiner: [signature] Level: II

Examiner: [signature] Level: II

Procedure: NDE-630 Rev: 1 | FC: 95-02

Calibration Sheet No: 9502053, 9502054, 55 & 56

Scans:
45 ☑ 58 dB 70 ☐ ____ dB
45T ☑ 58 dB 70T ☐ ____ dB
60 ☑ 69 dB
60T ☐ ____ dB
Other: 45°L - 72 dB

Configuration: CIRC.
VALVE BODY Flow BONNET
52 to 51
Scan Surface: OD

Applies to NDE-680 only
Skew Angle: N/A

IND #	∡	Max % Ref	Mp Max	W Max	L Max	L1	L2	W1	Mp1	W2	Mp2	Beam Dir	Exam surf.	Scan Stamps
	DO NOT WRITE IN THIS SPACE					20%dac HMA 50%dac 100% dac	20%dac HMA 50%dac 100% dac	20%dac HMA 50%dac 100% dac	20%dac HMA 50%dac 100% dac	20%dac HMA 50%dac 100% dac	20%dac HMA 50%dac 100% dac	DO NOT WRITE IN THIS SPACE		
45° NO RECORDABLE INDICATIONS (CIRC. & AXIAL)														
45° L-WAVE NO RECORDABLE INDICATIONS (AXIAL)														
60° NO RECORDABLE INDICATIONS (AXIAL)														

Remarks: *B&W #5 - UPSTREAM APEX OF BRANCH CONNECTION

Limitations: (see NDE-UT-4) ☑ 90% or greater coverage obtained: yes ☐ no ☒

Sheet 1 of 6

Reviewed By: Guy L. Bell Level: III Date: 10-27-95

Authorized Inspector: Robert McGill Date

Item No: B12.040.002D

(71)

DUKE POWER COMPANY

ISI LIMITATION REPORT

FORM NDE- UT-4

Revision 1

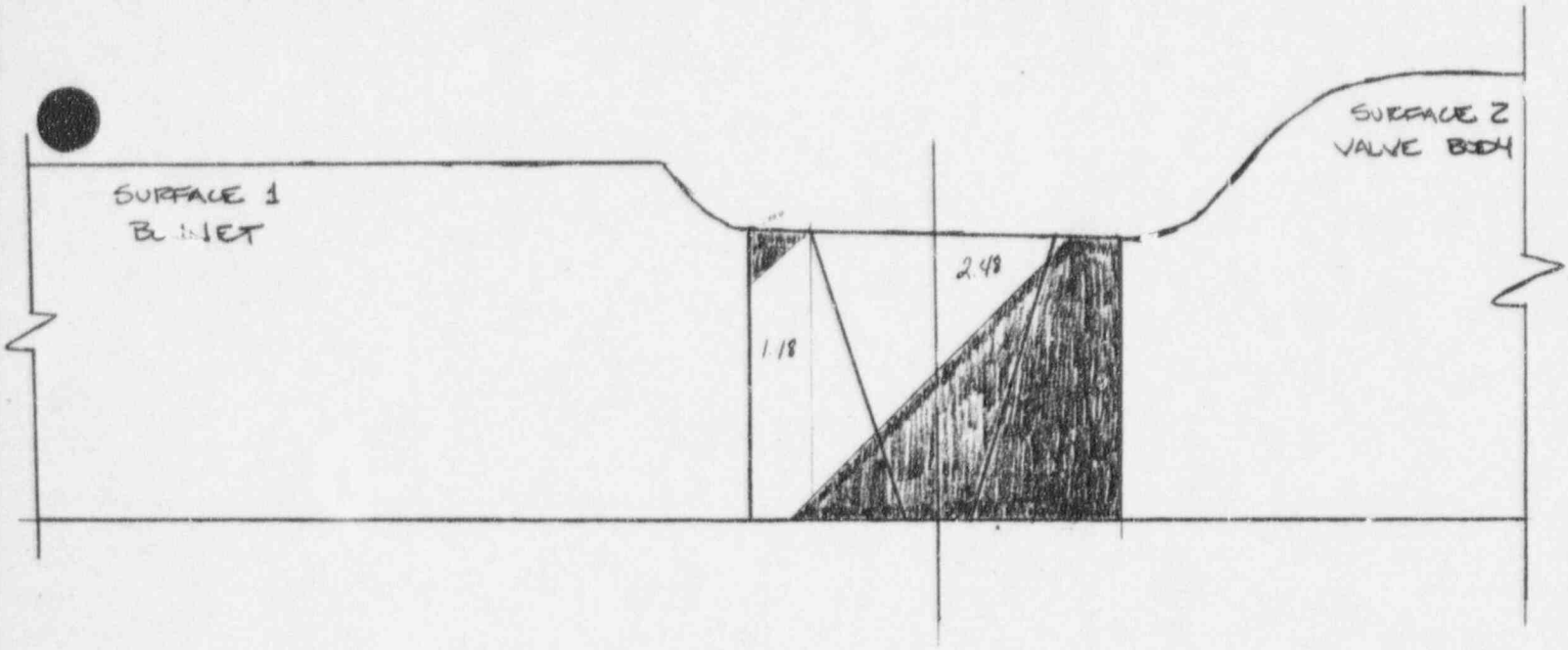
Component/Weld ID: 2ND-37A Item No: B12.040.002D

remarks:

☑ NO SCAN	SURFACE	BEAM DIRECTION		← VALVE BODY
☐ LIMITED SCAN	☐ 1 ☑ 2	☑ 1 ☐ 2 ☐ cw ☐ ccw		
FROM L 0+0" to L 0+63"	INCHES FROM WO 1.5" to BEYOND			
ANGLE: ☐ 0 ☑ 45 ☑ 60 other ____	FROM 0 DEG to 360 DEG			
☐ NO SCAN	SURFACE	BEAM DIRECTION		← VALVE BODY
☑ LIMITED SCAN	☐ 1 ☑ 2	☑ 1 ☐ 2 ☐ cw ☐ ccw		
FROM L 0+0" to L 0+63"	INCHES FROM WO ℄ to 1.5"			
ANGLE: ☐ 0 ☑ 45 ☑ 60 other	FROM 0 DEG to 360 DEG			
☐ NO SCAN	SURFACE	BEAM DIRECTION		← TAPER ON BONNET
☑ LIMITED SCAN	☑ 1 ☐ 2	☐ 1 ☑ 2 ☐ cw ☐ ccw		
FROM L 0+0" to L 0+63"	INCHES FROM WO +1" to +2.2"			
ANGLE: ☐ 0 ☑ 45 ☑ 60 other	FROM 0 DEG to 360 DEG			
☐ NO SCAN	SURFACE	BEAM DIRECTION		
☐ LIMITED SCAN	☐ 1 ☐ 2	☐ 1 ☐ 2 ☐ cw ☐ ccw		
FROM L ____ to L ____	INCHES FROM WO ____ to ____			
ANGLE: ☐ 0 ☐ 45 ☐ 60 other	FROM ____ DEG to ____ DEG			Sketch(s) attached ☑ yes ☐ no

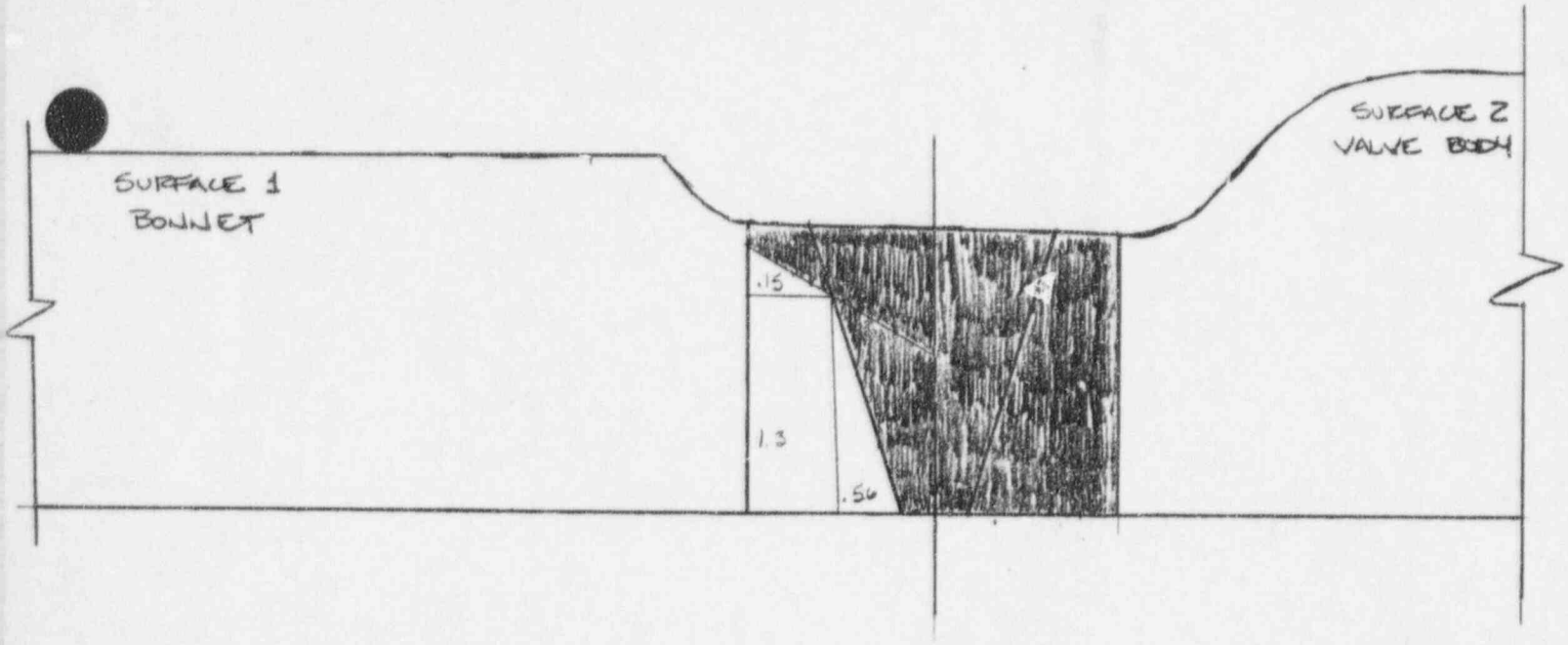
Prepared By: [signature] Level: II Date: 10/26/95 Sheet 2 of 6

Reviewed By: Guy D. Bubb III Date: 10-27-95 Authorized Inspector: Robert McGill Date: 11-1-95



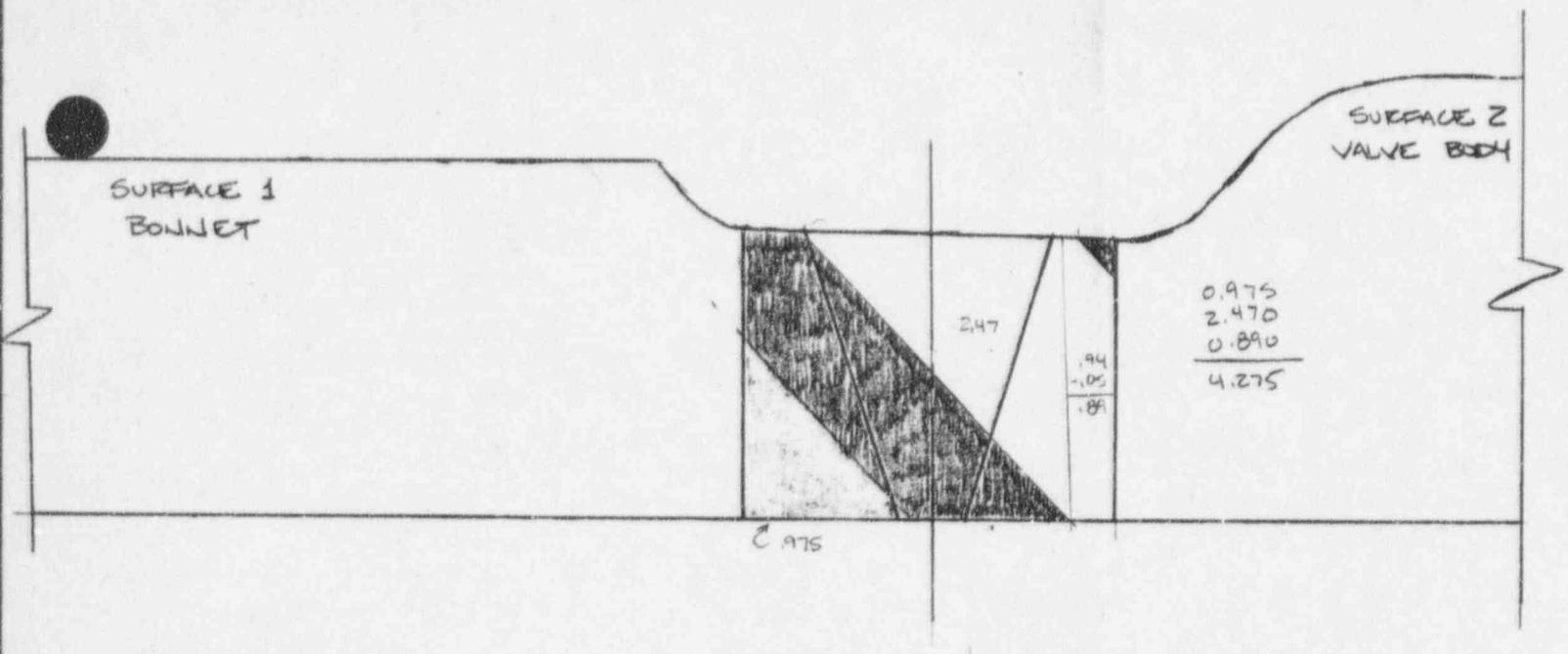
45° SURFACE 2
BEAM DIR. 1
3 of 6

B12.040.002D
WELD# 2WD-37A



60° SURFACE 1
BEAM DIRECTION 2
4 of 6

B12.040.002D
WELD# 2ND-37A



45° SURFACE 1
BEAM DIRECTION 2

5 of 6

B12.040.002D
WELD# 2JD-37A

DUKE POWER COMPANY	NDE-91-1
Limited Examination Coverage Worksheet	Revision 0

Examination Volume/Area Defined

Base Metal ☒ Weld ☒ Near Surface ☐ Bolting ☐ Inner Radius ☐

Area Calculation	Volume Calculation
2.35" x 3" = 7.05 in²	Weld Length = 63" V = 7.05 in² x 63 in V = 444.15 in³

Coverage Calculations

Scan #	Angle	Beam Direction	Area Examined (sq.in.)	Length Examined (in)	Volume Examined (cu.in.)	Volume Required (cu.in.)	Percent Coverage
1	45°	S2	4.3	63"	~~369.32~~ 270.9 JE 10/26/95	444.15	~~60.6%~~ 60.9% JE 10/26/95
2	45°	S1	3.6	63"	226.8	444.15	51.1%
3	45°	CW	7.05 in²	63"	444.15	444.15	100%
4	45°	CCW	7.05 in²	63"	444.15	444.15	100%
5	60°	S2	2.0	63"	126" / 1512	444.15 / 2220.75	28.4%

Aggregate % 68.08%

6 of 6

Item No: B12.040.002D

Prepared BY: JE Harper Level: II Date: 10/26/95

Reviewed By: Guy L. Bell Level: III Date: 10-27-95

DUKE POWER COMPANY

ULTRASONIC EXAMINATION DATA SHEET FOR PLANAR REFLECTORS

Exam Start: 1201 | Form NDE-UT-2A

Exam Finish: 1256 | Revision 4

Station: CATAWBA | Unit: II | Component/Weld ID: 2SGD-UH-15 | Date: 10-15-95

Weld Length (in.): 94.2" | Surface Condition: AS GROUND | L0: W AXIS | Surface Temperature: 69 °F

Pyrometer S/N: MCNDE 27016

Examiner: James W Sitzer | Level: III

Examiner: David K. [illegible] | Level: II

Cal Due: 960712

Procedure: NDE 680 Rev: 1 | FC: 95-16

Calibration Sheet No: 9502026

Scans:

45 ☐ _____ dB | 70 ☑ 73.5 dB

45T ☐ _____ dB | 70T ☐ _____ dB

60 ☐ _____ dB

60T ☐ _____ dB

Other: _____ dB

Configuration: INNER RADIUS

N/A Flow N/A

_____ to _____

Scan Surface: OD

Applies to NDE-680 only

Skew Angle: 18°

IND #	Δ	Max % Ref	Mp Max	W Max	L Max	L1	L2	W1	Mp1	W2	Mp2	Beam Dir	Exam surf.	Scan	Damps
	DO NOT WRITE IN THIS SPACE					20%dac HMA 50%dac 100% dac	20%dac HMA 50%dac 100% dac	20%dac HMA 50%dac 100% dac	20%dac HMA 50%dac 100% dac	20%dac HMA 50%dac 100% dac	20%dac HMA 50%dac 100% dac	DO NOT WRITE IN THIS SPACE			
	NO RECORDABLE INDICATIONS.														

Remarks:

Limitations: (see NDE-UT-4) ☑ 90% or greater coverage obtained: yes ☐ no ☒

Sheet 1 of 3 4 10-31-95

Reviewed By:	Level:	Date:	Authorized Inspector	Date	Item No:
Guy L. Bibb	III	10-17-95	Robert McGill	10-26-95	C02.022.007

(106)

DUKE POWER COMPANY
ISI LIMITATION REPORT

FORM NDE- UT-4
Revision 1

Component/Weld ID: 2SGD-UH-15 Item No: C02.022.007

remarks: Nozzle Geometry

☐ NO SCAN SURFACE BEAM DIRECTION
☑ LIMITED SCAN ☐ 1 ☑ 2 ☑ 1 ☐ 2 ☐ cw ☐ ccw
FROM L________ to L________ INCHES FROM WO +3.0 to Beyond.
ANGLE: ☐ 0 ☐ 45 ☐ 60 other 70 FROM 0 DEG to 360 DEG

☐ NO SCAN SURFACE BEAM DIRECTION
☐ LIMITED SCAN ☐ 1 ☐ 2 ☐ 1 ☐ 2 ☐ cw ☐ ccw
FROM L________ to L________ INCHES FROM WO________ to ________
ANGLE: ☐ 0 ☐ 45 ☐ 60 other FROM ______ DEG to ______ DEG

☐ NO SCAN SURFACE BEAM DIRECTION
☐ LIMITED SCAN ☐ 1 ☐ 2 ☐ 1 ☐ 2 ☐ cw ☐ ccw
FROM L________ to L________ INCHES FROM WO________ to ________
ANGLE: ☐ 0 ☐ 45 ☐ 60 other FROM ______ DEG to ______ DEG

☐ NO SCAN SURFACE BEAM DIRECTION
☐ LIMITED SCAN ☐ 1 ☐ 2 ☐ 1 ☐ 2 ☐ cw ☐ ccw
FROM L________ to L________ INCHES FROM WO________ to ________
ANGLE: ☐ 0 ☐ 45 ☐ 60 other FROM ______ DEG to ______ DEG

Sketch(s) attached
☑ yes ☐ no

Prepared By: James W Sitzer Level: III Date: 10-16-95
Sheet 2 of 34 SGB 10-31-95
Reviewed By: Guy G. Bibb III Date: 10-17-95
Authorized Inspector: Robert M. Gill Date: 10-26-95

DUKE POWER COMPANY	NDE-91-1
Limited Examination Coverage Worksheet	Revision 0

Examination Volume/Area Defined

Base Metal ☐ Weld ☐ Near Surface ☐ Bolting ☐ Inner Radius ☑

Area Calculation	Volume Calculation
SEE ATTACHED SKETCH $\frac{2.0 \times 2.0}{2} \times 2 + \frac{2.0^2 \times \pi}{4} =$ $7.14\ IN^2$	$7.14\ IN^2 \times 94.2\ IN = 672.6\ CU\ IN$

Coverage Calculations

Scan #	Angle	Beam Direction	Area Examined (sq.in.)	Length Examined (in)	Volume Examined (cu.in.)	Volume Required (cu.in.)	Percent Coverage
IR	70	CW	3.61	94.2	340.1	672.6	51%
IR	70	CCW	3.61	94.2	340.1	672.6	51%

Aggregate % 51%

Item No: C02.022.007

Prepared BY: James W Sitzer Level: III Date: 10-16-95

Reviewed By: Guy L Bubb Level: III Date: 10-17-95

 ASB 10-31-95

MAIN STEAM OUTLET NOZZLE

Nozzle to Shell & Inner Radius

1/2 SCALE

70° INNER RADIUS.

EXAM AREA = $\frac{2.0 \times 2.0}{2} + \frac{2.0 \times 2.0}{2} + \frac{2.0^2 \times \pi}{4}$ = **7.14 sq in**

AREA COVERED

1.) $\frac{1.9 \times .85}{2}$ = .81

2.) $\frac{1.9 \times 2.0}{2}$ = 1.9

3.) 3.0 x .30 = .9

total = 3.61 sq in

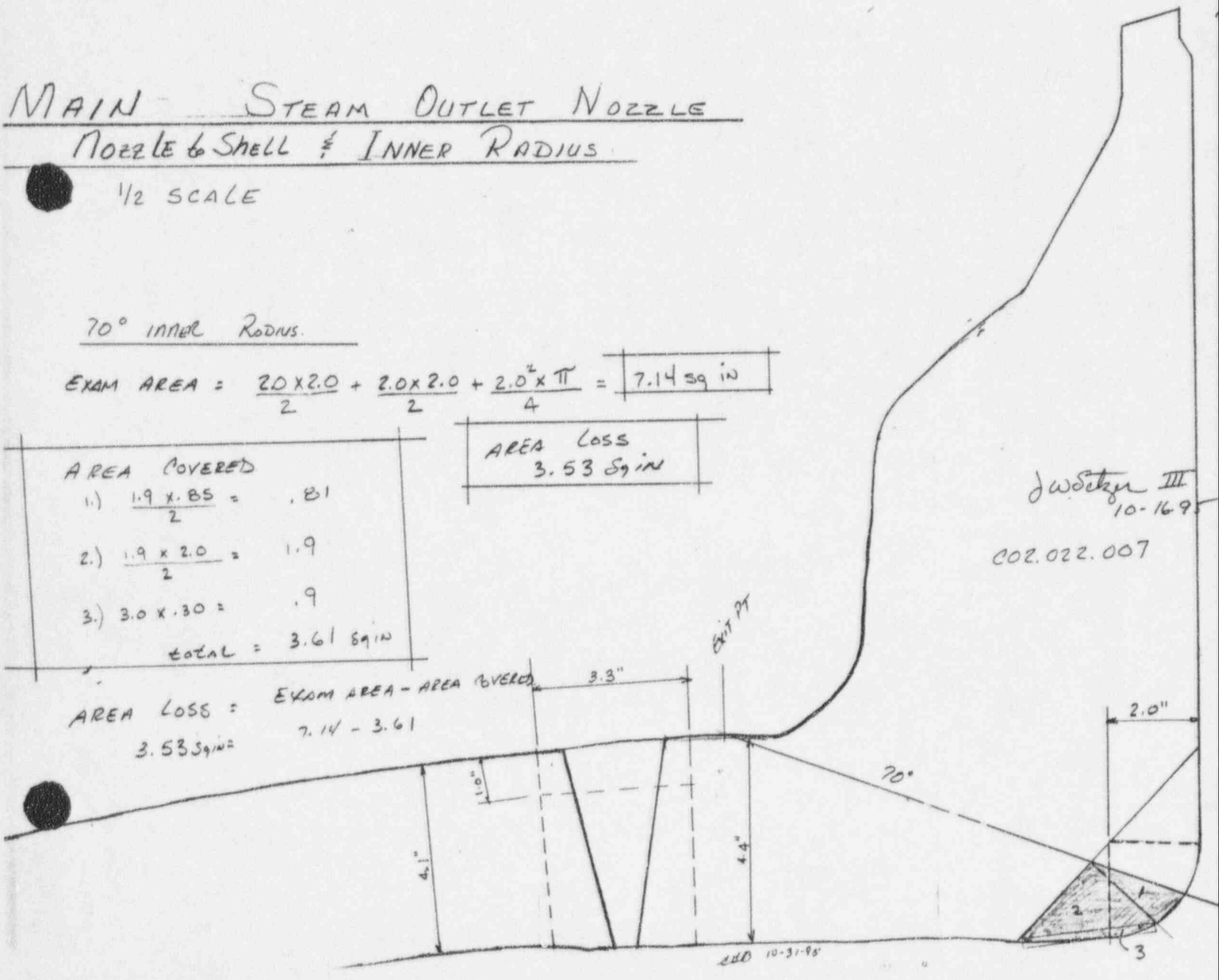
AREA LOSS = EXAM AREA − AREA COVERED

3.53 sq in = 7.14 − 3.61

AREA LOSS 3.53 sq in

J W Setzer III
10-16-9

C02.022.007



LBD 10-31-95

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 June 30, 1994 through November 30, 1995 is provided and included in this section of the report. The individual work request documents are on file at Catawba Nuclear Station.

CATAWBA NUCLEAR STATION

UNIT 2 EOC7
REPAIR/REPLACEMENT LOG

ASME SECTION XI -1980 W'81

EXAMINATION DATES: FROM 6/30/94 TO 11/30/95

PREPARED BY QA TECHNICAL SUPPORT

TRANSMITTED BY: R. C. Gilder DATE 2-22-96

REPAIR REPLACEMENT LOG
ASME SECTION XI 1980W'81
U2EOC7

WR#	CLASS	DESCRIPTION
94061932	C	REPLACE VALVE 2RN-838
94090522	C	INSTALL BY-PASS PIPING AROUND VALVE 2WL-850
94090524	C	PERFORM WORK IN ACCORDANCE WITH NSM NC-21341/00
94091182	B	REPLACE VALVE 2SV-025B
94091187	B	REPLACE VALVE 2SV-026B
94093406	B	REPLACE ORIFICE FLANGE 2SM-FE-5790
95006439	C	REPLACE VALVE 2RN-837
95012947	C	REPLACE VALVE 2RN-049A
95015046	C	REPLACE VALVE 2KC-056A
95025053	C	REPLACE VALVE 2KC081B
95029671	C	CUT OUT, REPAIR WELDS 2RN440-22,23,24,26;2RN441-1,2;2RN442-11,12,13,14,15,16,17,18,19,20,21,22,23,24,25
95031101	C	ADD WELDS PER CN-21341/00 REPLACE VALVE 2RN-494
95044320	C	REPAIR WELDS 2RN439-17,19,23; 2RN445-1,5; 2RN443-11
95044322	C	REPAIR WELD 2RN442-7
95044463	A	REPLACE INTERNALS OF VALVE 2NI-171
95044466	A	REPLACE INTERNALS OF VALVE 2NI-167
95044727	A	REPLACE INTERNALS OF VALVE 2NI-165
95046449	B	REPLACE SOCKET WELD PIPE WITH 5D BENDS PER CN-21343
95062774	C	REPLACE SNUBBER 2-R-YC-0007
95062839	C	REPLACE BOLTING FOR KD/RN JACKET WATER COOLER
95065514	B	REPLACE HEX NUT ON SUPPORT 2-R-ND-0026
95073318	A	REPLACE PIVOT PIN FOR 2-R-ND-0370
95077960	B	REPLACE DISC FOR VALVE 2NV-488
95080271	B	REPLACE SUPPORT 2-R-CA-1590
95082331	C	REPLACE VALVE 2KC-061
95082681	B	REPLACE VALVE 2RN-405
95082725	A	REPLACE SNUBBER 2-R-NV-1074
95090037	A	REPLACE VALVE 2NI-169