Duke Energy®
Carolinas

JAMES R. MORRIS, VICE PRESIDENT

Duke Energy Carolinas, LLC
Catawba Nuclear Station / CNO1VP
4800 Concord Road
York, SC 29745

803-831-4251
803-831-3221 fax

March 10, 2010

U.S. Nuclear Regulatory Commission
Attention: Document Control Desk
Washington, D.C. 20555

Subject: Duke Energy Carolinas, LLC
Catawba Nuclear Station, Unit 1
Docket Number 50-413
Inservice Inspection Report for End of
Cycle 18 Refueling Outage

Please find attached the subject report which provides the results of the inservice inspection associated with the subject outage.

There are no regulatory commitments contained in this letter or its attachment.

If you have any questions concerning this material, please call L.J. Rudy at (803) 701-3084.

Very truly yours,

James R. Morris

LJR/s

Attachment

AOH7
NAR

xc (with attachment):

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

G.A. Hutto, III, Senior Resident Inspector
U.S. Nuclear Regulatory Commission
Catawba Nuclear Station

J.H. Thompson, Project Manager (addressee only)
U.S. Nuclear Regulatory Commission
Mail Stop 8 G9A
Washington, D.C. 20555-0001

bxc (without attachment):

R.D. Hart
L.J. Rudy
M.A. Pyne
J.E. Cherry
K.C. Douthit
RGC File
NCMPA-1
NCEMC
PMPA

bxc (with attachment):

Document Control File 801.01
ELL-EC050

Attachment

Catawba Unit 1 End of Cycle 18 Inservice Inspection Report

INSERVICE INSPECTION REPORT

CATAWBA UNIT 1

2009 REFUELING OUTAGE

EOC18 (OUTAGE 3)

Location: 4800 Concord Road, York, South Carolina 29745

NRC Docket No. 50-413

National Board No. 130

Commercial Service Date: June 29, 1985

Owner: Duke Energy Carolinas
526 South Church Street
Charlotte, NC 28201-1006

Revision 0

Originated By: James E. Perry, Jr Date 03/04/2010

Checked By: Larry C. Keith Date 3-4-2010

Approved By: _____ Date 3/9/2010

FORM NIS-1 OWNER'S REPORT FOR INSERVICE INSPECTIONS

As required by the Provisions of the ASME Code Rules

1. Owner: Duke Energy Carolinas, 526 S. Church St., Charlotte, NC 28201-1006
(Name and Address of Owner)

2. Plant: Catawba Nuclear Station, 4800 Concord Road, York, SC 29745
(Name and Address of Plant)

3. Plant Unit: 1 4. Owner Certificate of Authorization (if required): N/A

5. Commercial Service Date: June 29, 1985 6. National Board Number for Unit: 130

7. Components Inspected:

Component or Appurtenance	Manufacturer or Installer	Manufacturer or Installer Serial No.	State or Province No.	National Board No.
	See Section 1.1 in the Attached Report			

Note: Supplemental sheets in the form of lists, sketches, or drawings may be used provided (1) size is $8\frac{1}{2}$ 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.

Total number of pages contained in this report 196

FORM NIS-1 (Back)

8. Examination Dates: June 21, 2008 to December 15, 2009

9. Inspection Period Identification: Second Period

10. Inspection Interval Identification: Third Interval

11. Applicable Edition of Section XI: 1998 Addenda 2000

12. Date / Revision of Inspection Plan: June 26, 2008 / Revision 1

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

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

15. Abstract of Corrective Measures: See Subsection 4.3

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

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

Date 3/9/10 Signed Duke Energy Carolinas Owner By

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of SC employed by * HSB Global Standards have inspected the components described in this Owner's Report during the period 3-4-10 to 3-10-10, and state that to the best of my knowledge and belief, the Owner has performed examinations and tests and taken corrective measures described in this Owner's Report in accordance with the Inspection Plan and as required by the ASME Code, Section XI.

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

Kenneth A Authet
Inspector's Signature

Commissions NB12410 SC233 INA
National Board, State, Province, and Endorsements

Date 3-10-10

* HSB Global Standards
200 Ashford Center North
Suite 205
Atlanta, GA. 30338-4860
(800) 417-3721
www.hsbglobalstandards.com

DISTRIBUTION LIST

1. Duke Energy Carolinas
   Nuclear Technical Services Division
   Section XI Program Section (SXIP)

2. NRC Document Control Desk

3. HSB Global Standards (AIA)
   c/o ANII at Catawba

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1.0 General Information

This report describes the Inservice Inspection of Duke Energy's Catawba Nuclear Station Unit 1 during Outage 3 / EOC18. This is the first outage of the second inspection period of the Third Ten-Year Interval. ASME Section XI, 1998 Edition with 2000 Addenda, was the governing Code for selection and performance of the ISI examinations.

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

1.1 Identification Numbers

Item	Manufacturer or Installer	Manufacturer or Installer Serial No.	State or Province No.	National Board No.
Reactor Vessel	Westinghouse	30743	N/A	N/A
Pressurizer	Westinghouse	DCPT-1911	N/A	W18589
Steam Generator 1A	Babcock and Wilcox, Inc.	770101	N/A	151
Steam Generator 1B	Babcock and Wilcox, Inc.	769304	N/A	150
Steam Generator 1C	Babcock and Wilcox, Inc.	769302	N/A	147
Steam Generator 1D	Babcock and Wilcox, Inc.	769303	N/A	149
Reactor Coolant Pump 1A	Ionics, Inc.	1S-86P764	N/A	584
Reactor Coolant Pump 1B	Ionics, Inc.	2S-86P764	N/A	585
Reactor Coolant Pump 1C	Ionics, Inc.	3S-86P764	N/A	330
Reactor Coolant Pump 1D	Ionics, Inc.	4S-86P764	N/A	331

Identification Numbers **(Continued)**

Item	Manufacturer or Installer	Manufacturer or Installer Serial No.	State or Province No.	National Board No.
Reactor Coolant System	Duke Power Co.	C-1NC	N/A	126
Safety Injection System	Duke Power Co.	C-1NI	N/A	128
Chemical and Volume Control System	Duke Power Co.	C-1NV	N/A	127
Auxiliary Feedwater System	Duke Power Co.	C-1CA	N/A	121
Feedwater System	Duke Power Co.	C-1CF	N/A	120
Refueling Water System	Duke Power Co.	C-1FW	N/A	91
Main Steam Supply to Auxiliary Equipment System	Duke Power Co.	C-1SA	N/A	114
Main Steam System	Duke Power Co.	C-1SM	N/A	122
Main Steam Vent to Atmosphere System	Duke Power Co.	C -1SV	N/A	96
Containment Spray System	Duke Power Co.	C-1NS	N/A	118
Steam Generator Blowdown System	Duke Power Co.	C-1BB	N/A	111
Steam Generator Wet Lay Up Re-circulation System	Duke Power Co.	C-1BW	N/A	104
Diesel Generator Fuel Oil System	Duke Power Co.	C-1FD	N/A	100
Component Cooling System	Duke Power Co.	C-1KC	N/A	129
Residual Heat Removal System	Duke Power Co.	C-1ND	N/A	115
Turbine Exhaust System	Duke Power Co.	C-1TE	N/A	113

Identification Numbers **(Continued)**

Item	Manufacturer or Installer	Manufacturer or Installer Serial No.	State or Province No.	National Board No.
Diesel Generator Air Intake and Exhaust System	Duke Power Co.	C-1VN	N/A	98
Diesel Generator Cooling Water System	Duke Power Co.	C-1KD	N/A	99
Spent Fuel Cooling System	Duke Power Co.	C-1KF	N/A	103
Diesel Generator Lube Oil System	Duke Power Co.	C-1LD	N/A	105
Nuclear Sampling System	Duke Power Co.	C-1NM	N/A	124
Containment Penetration Valve Injection Water System	Duke Power Co.	C-1NW	N/A	125
Nuclear Service Water System	Duke Power Co.	C-1RN	N/A	117
Diesel Generator Starting Air System	Duke Power Co.	C-1VG	N/A	95
Liquid Waste Recycle System	Duke Power Co.	C-1WL	N/A	119
Control Area Chilled Water System	Duke Power Co.	C-1YC	N/A	106
Seal Water Injection Filter	Pall Trinity Micro Corporation	1A 29652 1B 29653	N/A N/A	15626 15627
Volume Control Tank	Lamco Industries Inc.	452	N/A	183
Seal Water Heat Exchanger	Atlas Industrial Manufacturing Company	3620	N/A	2976
Regenerative Heat Exchanger	Joseph Oat Corporation	2255-1A1	N/A	869
Residual Heat Removal Heat Exchanger	Joseph Oat Corporation	1A 2267-3A 1B 2267-3B	N/A N/A	846 847
Containment Spray Heat Exchanger	Joseph Oat Corporation	1A 2636C 1B 2620	N/A N/A	3456 3430

Identification Numbers **(Continued)**

Item	Manufacturer or Installer	Manufacturer or Installer Serial No.	State or Province No.	National Board No.
Excess Letdown Heat Exchanger	Atlas Industrial Manufacturing Company	3196	N/A	2574
Residual Heat Removal Pump	Ingersol - Rand	1A 077645 1B 077646	N/A N/A	231 232
Containment Spray Pump	Bingham - Willamette	1A 230340 1B 230341	N/A N/A	213 214
Safety Injection Pump	Pacific Pumps	1A 49359 1B 49360	N/A N/A	232 233
Centrifugal Charging Pump	Pacific Pumps	1A 49778 1B 49779	N/A N/A	256 259
Seal Water Return Filter	Pall Trinity Micro Corporation	29006	N/A	15098

1.2 Reference Documents

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

Duke Energy's Catawba Nuclear Station, Unit 1 Docket Number 50-413, Request for Relief for limited weld coverage during the End-of-Cycle 18 Refueling Outage will be filed in a separate submittal at a later date.

Code Case N-460 – Alternative Examination Coverage for Class 1 and Class 2 Welds, Section XI, Division 1 (Applicable to items in this report where less than 100% coverage of the required weld examination volume was achieved. These items are identified in the Results Listing located in Section 4.0 of this report.)

Code Case N-685 – Lighting Requirements for Surface Examinations, Section XI, Division 1.

Code Case N-695 – Qualification Requirements for Dissimilar Metal Piping Welds, Section XI, Division 1.

Code Case N-706 – Alternative Examination Requirements of Table IWB-2500-1 for PWR Stainless Steel Residual and Regenerative Heat Exchangers, Section XI, Division 1.

Code Case N-722 – Additional Examinations for PWR Pressure Retaining Welds in Class 1 Components Fabricated with Alloy 600/82/182 Materials, Section XI, Division 1. 10CFR Part 50, Federal Register, final rule was issued September 10, 2008 mandates the use of this code case.

Code Case N-729-1 – Alternative Examination Requirements for PWR Reactor Vessel Upper Heads with Nozzles Having Pressure Retaining Partial Penetration Welds Section XI, Division 1. 10CFR Part 50, Federal Register, final rule was issued September 10, 2008 mandates the use of this code case.

PIP Serial Number C-09-07334 – This PIP was written to document a recordable indication found during the ISI ultrasonic inspection of Class 1 piping weld 1NI235-42. (Summary Number C1.B9.11.0105) After further evaluation, this indication was determined to be reportable.

PIP Serial Number C-09-07398 – This PIP was written to clarify the illumination requirements when performing liquid penetrant examinations.

PIP Serial Number C-10-01123 – This PIP was written to track the corrective actions for the piping welds determined to have limited examination coverage during 1EOC18.

2.0 Third Ten-Year Interval Inspection Status

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

Class 1 Inspections

Examination Category	*Description*	*Inspections Required*	*Inspections Completed*	*Percentage Completed*	*[1]Deferral Allowed*
B-A	Pressure Retaining Welds in Reactor Vessel	15	1.5	10%	Partial
B-B	Pressure Retaining Welds in Vessels Other than Reactor Vessels	5	1	20%	No
B-D	Full Penetration Welds of Nozzles in Vessels Inspection Program B	36	8	22.22%	Partial
B-F	Pressure Retaining Dissimilar Metal Welds	20	8	40%	Partial
B-G-1	Pressure Retaining Bolting Greater than 2" in Diameter	233	163	69.96%	Yes
B-G-2	Pressure Retaining Bolting 2" and Less in Diameter	27	17	62.96%	No
B-J	Pressure Retaining Welds in Piping	230	75	32.61%	No

Class 1 Inspections (continued)

Examination Category	*Description*	*Inspections Required*	*Inspections Completed*	*Percentage Completed*	*[1]Deferral Allowed*
B-K	Integral Attachments for Piping, Pumps and Valves	2	1	50%	No
B-L-1	Pressure Retaining Welds in Pump Casings	N/A	N/A	N/A	N/A
B-L-2	Pump Casings	1	0	0%	Yes
B-M-1	Pressure Retaining Welds in Valve Bodies	1	0	0%	Yes
B-M-2	Valve Body > 4 in. Nominal Pipe Size	6	3	50%	Yes
B-N-1	Interior of Reactor Vessel	3	1	33.33%	No
B-N-2	Integrally Welded Core Support Structures and Interior Attachments to Reactor Vessels	2	0	0%	Yes
B-N-3	Removable Core Support Structures	1	0	0%	Yes
B-O	Pressure Retaining Welds in Control Rod Housings	3	0	0%	Yes
B-P	All Pressure Retaining Components	REFERENCE SECTION 6.0 OF THIS REPORT			

Class 1 Inspections (continued)

Examination Category	*Description*	*Inspections Required*	*Inspections Completed*	*Percentage Completed*	*[1]Deferral Allowed*
B-Q	Steam Generator Tubing	Reference Note 2 shown below			
F-A	Class 1 Component Supports	75	41	54.67%	No

Notes:

1. Deferral of inspection to the end of the interval as allowed by ASME Section XI Table IWB 2500-1.

2. Steam Generator Tubing is examined and documented by Nuclear Technical Services as required by the Station Technical Specifications and is not included in this report.

Class 2 Inspections

Examination Category	*Description*	*Inspections Required*	*Inspections Completed*	*Percentage Completed*
C-A	Pressure Retaining Welds in Pressure Vessels	31	21	67.74%
C-B	Pressure Retaining Nozzle Welds in Vessels	15	7	46.67%
C-C	Integral Attachments for Vessels, Piping, Pumps, and Valves	28	14	50%
C-D	Pressure Retaining Bolting Greater Than 2" in Diameter	N/A	N/A	N/A
C-F-1	Pressure Retaining Welds in Austenitic Stainless Steel or High Alloy Piping	257	82	31.91%

Class 2 Inspections (continued)

Examination Category	*Description*	*Inspections Required*	*Inspections Completed*	*Percentage Completed*
C-F-2	Pressure Retaining Welds in Carbon or Low Alloy Steel Piping	91	44	48.35%
C-G	Pressure Retaining Welds in Pumps and Valves	22	11	50%
C-H	All Pressure Retaining Components	REFERENCE SECTION 6.0 OF THIS REPORT		
F-A	Class 2 Component Supports	286	128	44.76%

Weld Overlay Section XI Appendix Q

Examination Category	*Description*	*Inspections Required*	*Inspections Completed*	*Percentage Completed*	*Deferral Allowed*
C2.Q1.1	Weld Overlay	6	6	100%	No

Augmented / Elective Inspections

Summary Number	*Description*	*Percentage Complete*
B4.10	Bare Metal Visual Examination of the Reactor Head Surface	100% of Outage 3/EOC-18 Requirements Met
B4.20	Reactor Vessel Upper Head Nozzles or Partial Penetration Welds	None Scheduled Outage 3/EOC-18
B15.80	Bare Metal Visual Examination of the BMI Nozzles on the RPV Bottom Head per Requirements of Code Case N-722	100% of Outage 3/EOC-18 Requirements Met

Augmented / Elective Inspections (continued)

C1.G2.1	Postulated Pipe Failures	100% of Outage 3/EOC-18 Requirements Met
C1.G3.1	NRC Bulletin 88-08 Thermal Stress Piping in Reactor Coolant System	100% of Outage 3/EOC-18 Requirements Met
C1.G4.1	Unguarded Containment Sump Suction Line Piping Weld	None Scheduled Outage 3/EOC-18
C1.G5.1	RPV Head Penetration Nozzles per NRC Order EA-03-009	None Scheduled Outage 3/EOC-18
C1.G6.2	Pressurizer Bare Metal Visual Examinations (NRC Bulletin 2004-01)	100% of Outage 3/EOC-18 Requirements Met
C1.G8.3	RPV Bare Metal Visual Examination per Requirements of MRP-139	None Scheduled Outage 3/EOC-18
C1.G8.4	Auxiliary Head Adapter Examinations Performed in Conjunction with CRDM Head Penetrations per Code Case N-729-1	None Scheduled Outage 3/EOC-18
C1.G9.1	Reactor Vessel Closure Head Studs Inspected per Nuclear Guide 1.65	100% of Outage 3/EOC-18 Requirements Met
C1.G10.1	Nuclear Service Water (RN) System Supply Header	100% of Outage 3/EOC-18 Requirements Met
C1.G10.2	Nuclear Service Water (RN) System Supply Piping	100% of Outage 3/EOC-18 Requirements Met
C1.H1.1	Safety Injection (NI) Cold Leg Accumulator Welds Subject to Unanalyzed Thermal Transients	None Scheduled Outage 3/EOC-18
C1.H2.1	Residual Heat Removal (ND) Mixing Tees Subject to Thermal Fatigue Cracking	100% of Outage 3/EOC-18 Requirements Met

3.0 Final Inservice Inspection Plan

The final Inservice Inspection Plan Report shown in this section lists all ASME Section XI Class 1, Class 2, Class 3, and Augmented / Elective Examinations credited for this report period.

DUKE ENERGY
NUCLEAR TECHNICAL SERVICES
Inservice Inspection Database Management System
Plan Report
Catawba 1, 3rd Interval, Outage 3 (EOC-18)

This report includes all changes through addendum 3CNS1-044

Summary Num	Component ID / Class / System	ISO/DWG Numbers	Procedure / Description / Comments	Insp Req	Material	Sched	Thick/NPS	Cal Blocks	Componenet ID 2
Category AUG									
C1.B15.80.0001	1RPV-BMI-NOZZLE Class 1 NC	MP/0/A/7150/042E	NDE-68	VT-2	SS		0.000 / 0.000		----

Perform a Bare Metal Visual Examination (VT-2) per Code Case N-722. See QA-513J Form, dated January 8, 2009 (Tracking Number ER-CNS-09-01). See PIP#G-08-00163, Corrective Action #9. The bare metal visual inspection shall include an inspection of the bottom head and the Alloy 600 transition weld between the Alloy 600 tube and the stainless steel tube. All bottom mounted instrumented (BMI) nozzles and transition welds shall be examined every other refueling outage.
The schedule for B15.80 Items should not be changed unless approved by personnel from the Materials and NDE Services.

Summary Num	Component ID Class / System	ISO/DWG Numbers	Procedure Description Comments	Insp Req	Material	Sched	Thick/NPS	Cal Blocks	Componenet ID 2
Category AUG									
C1.B4.10.0001	1RPV-HEAD-SURFACE Class 1 NC	CNM 1201.01-51	NDE 68	VT-2	CS-Inconel		0.000 / 0.000		----

Bare Metal Visual Examination Schedule starting in 1EOC19. Time between inspections may be shortened , but not lengthened. If EDY < 8 and no flaws unacceptable for continued service have been detected, the reexamination frequency may be extended to every third refueling outage or 5 calendar years, whichever is less, provided an IWA-2212 VT-2 visual examination of the head is performed under the insulation through multiple access points in outages that the VE is not completed. Last Bare Metal Visual occurred during 1EOC16, so the next full bare metal will be due in 1EOC19, provided EDY remains less than 8 and IWA-2212 VT-2 visuals are performed in every outage these VE's are not. EDY calculations will continue to be updated and if EDY is equal to or greater than 8 these VE's will be required every refueling outage, with no flexibility.
As specified in ASME Code Case N-729-1, a direct visual examination of the bare metal surface of the entire outer surface of the head, including essentially 100% of the intersection of each nozzle with the head (J groove). For coverage requirements see Figure 1 of Code Case N-729-1. For additional information reference QA-513J Form (ER-CNS-09-03). Acceptance criteria specified in ASME Code Case N-729-1 subject to conditions in 10CFR50.55a(g)(6)(ii)(D)(2) through (6). Revelant conditions for the purpose of the VE shall include areas of corrosion, boric acid deposits, discoloration, and other evidence of nozzle leakage. For additional information, contact Rachel Doss in the Materials and NDE Services Section, Nuclear Technical Services Division. This inspection replaces Augmented examination C1.G5.1.0002 and C1.G5.1.0005 required by NRC Order EA-03-009. Once licensee implements this requirement the First Revised NRC Order EA-03-009 no longer applies and is deemed to be withdrawn.

The examination schedule for this inspection was originally 1EOC19 (Outage #4) established per QA 513J Form with Tracking Number ER-CNS-09-03. The examination schedule is being revised to reschedule this inspection to 1EOC18 (Outage #3) per QA 513 J Form with Tracking Number ER-CNS-09-13. There is no change to the original examination frequency of this inspection, therefore remaining every third refueling outage or five calendar years, whichever is less. The first scheduled inspection for this exam in the Fourth Inspection Interval will be 1EOC24 (Outage #3). For additional information pertaining to these inspections, contact Rachel Doss in the Materials and NDE Services Section, Nuclear Technical Services Division.

Summary Num	Component ID Class / System	ISO/DWG Numbers	Procedure Description Comments	Insp Req	Material	Sched	Thick/NPS	Cal Blocks	Componenet ID 2
Category AUG									
C1.G10.1.0001	1ARN30-SUPPLYHEADER								
	Class 3 RN	CN-1492-RN.00-401 CN-1574-1.1	PDI-UT-1	UT	CS		0.500 / 30.000	PDI-UT-1-C	----

Examination Schedule: Start in 2009, complete initial inspection by end of 2009.

Initially, two different UT's will be performed. One for the thickness and one for flaw detection. Once the 30" RN Piping has been coated with epoxy scheduled for early 2010, the thickness measurement is no longer required since the piping cannot corrode. The UT for flaw detection (volumetric) will be performed on a 3 year periodic basis. The inspection grid will start at the QQ column line wall, around the entire circumference of the pipe, to 12" out on the pipe, but excluding the circumferential weld. (The inspection does not include the circumferential weld). Additionally, Engineering Change CD501244 (EC93747)) will add a 10" branch connection and saddle (reinforcing collar) to the side of the 30" RN supply header piping. Once this saddle is installed, a portion of the 30" piping within the 12" grid will be covered by the saddle and unavailable for future UT, and may be excluded from future UT Augmented Inspections. at that time. However, the remainder of the 30" piping within 12" of the QQ wall will still be subjected to the 3 year periodic UT Augmented Inspections.

Additional Scheduling Information: Augmented Inspections are a commitment, but frequency has been determined by CNS MCE Civil. Any frequency changes would need to be evaluated and documented by CNS MCE Civil. First inspections need to be completed by the end of 2009 prior to aligning RN system in Single Supply Header Operation, which will be done to support RN supply header coating, schedule to start in early 2010. This examination will be scheduled in the Fourth Inspection Interval for EOC22 at which time the need to continue this Augmented Examination will be re-evaluated by Catawba Engineering.

Reference QA-513J ER-CNS-09-09, PIP#C-08-4845 and Catawba Technical Specification Amendments 243/237 to the Tech Spec 3.7.8, Nuclear Service Water System.

Depending on personnel performing examination, PDI-UT-1 or NDE-600 will be used.

Summary Num	Component ID Class / System	ISO/DWG Numbers	Procedure Description Comments	Insp Req	Material	Sched	Thick/NPS	Cal Blocks	Componenet ID 2
Category AUG									
C1.G10.1.0001	1ARN30-SUPPLYHEADER Class 3 RN	CN-1492-RN.00-401 CN-1574-1.1	NDE-946	UT	CS		0.500 / 30.000	Step_Wedge	----

Examination Schedule: Start in 2009, complete initial inspection by end of 2009.

Initially, two different UT's will be performed. One for the thickness and one for flaw detection. Once the 30" RN Piping has been coated with epoxy scheduled for early 2010, the thickness measurement is no longer required since the piping cannot corrode. The UT for flaw detection (volumetric) will be performed on a 3 year periodic basis. The inspection grid will start at the QQ column line wall, around the entire circumference of the pipe, to 12" out on the pipe, but excluding the circumferential weld. (The inspection does not include the circumferential weld). Additionally, Engineering Change CD501244 (EC93747)) will add a 10" branch connection and saddle (reinforcing collar) to the side of the 30" RN supply header piping. Once this saddle is installed, a portion of the 30" piping within the 12" grid will be covered by the saddle and unavailable for future UT, and may be excluded from future UT Augmented Inspections. at that time. However, the remainder of the 30" piping within 12" of the QQ wall will still be subjected to the 3 year periodic UT Augmented Inspections.

Additional Scheduling Information: Augmented Inspections are a commitment, but frequency has been determined by CNS MCE Civil. Any frequency changes would need to be evaluated and documented by CNS MCE Civil. First inspections need to be completed by the end of 2009 prior to aligning RN system in Single Supply Header Operation, which will be done to support RN supply header coating, schedule to start in early 2010. This examination will be scheduled in the Fourth Inspection Interval for EOC22 at which time the need to continue this Augmented Examination will be re-evaluated by Catawba Engineering.

Reference QA-513J ER-CNS-09-09, PIP#C-08-4845 and Catawba Technical Specification Amendments 243/237 to the Tech Spec 3.7.8, Nuclear Service Water System.

Depending on personnel performing examination, PDI-UT-1 or NDE-600 will be used.

Summary Num	Component ID Class / System	ISO/DWG Numbers	Procedure Description Comments	Insp Req	Material	Sched	Thick/NPS	Cal Blocks	Componenet ID 2
Category AUG									
C1.G10.1.0002	1BRN30-SUPPLYHEADER								
	Class 3 RN	CN-1492-RN.00-403 CN-1574-1.1	PDI-UT-1	UT	CS		0.500/30.000	PDI-UT-1-C	----

Examination Schedule: Start in 2009, complete initial inspection by end of 2009.

Initially, two different UT's will be performed. One for the thickness and one for flaw detection. Once the 30" RN Piping has been coated with epoxy scheduled for early 2010, the thickness measurement is no longer required since the piping cannot corrode. The UT for flaw detection (volumetric) will be performed on a 3 year periodic basis. The inspection grid will start at the QQ column line wall, around the entire circumference of the pipe, to 12" out on the pipe, but excluding the circumferential weld. (The inspection does not include the circumferential weld). Additionally, Engineering Change CD501244 (EC93747)) will add a 10" branch connection and saddle (reinforcing collar) to the side of the 30" RN supply header piping. Once this saddle is installed, a portion of the 30" piping within the 12" grid will be covered by the saddle and unavailable for future UT, and may be excluded from future UT Augmented Inspections. at that time. However, the remainder of the 30" piping within 12" of the QQ wall will still be subjected to the 3 year periodic UT Augmented Inspections.

Additional Scheduling Information: Augmented Inspections are a commitment, but frequency has been determined by CNS MCE Civil. Any frequency changes would need to be evaluated and documented by CNS MCE Civil. First inspections need to be completed by the end of 2009 prior to aligning RN system in Single Supply Header Operation, which will be done to support RN supply header coating, schedule to start in early 2010. This examination will be scheduled in the Fourth Inspection Interval for EOC22 at which time the need to continue this Augmented Examination will be re-evaluated by Catawba Engineering.

Reference QA-513J ER-CNS-09-09, PIP#C-08-4845 and Catawba Technical Specification Amendments 243/237 to the Tech Spec 3.7.8, Nuclear Service Water System.

Depending on personnel performing examination, PDI-UT-1 or NDE-600 will be used.

Summary Num	Component ID Class / System	ISO/DWG Numbers	Procedure Description Comments	Insp Req	Material	Sched	Thick/NPS	Cal Blocks	Componenet ID 2
Category AUG									
C1.G10.1.0002	1BRN30-SUPPLYHEADER Class 3 RN	CN-1492-RN.00-403 CN-1574-1.1	NDE-946	UT	CS		0.500/30.000	Step_Wedge	----

Examination Schedule: Start in 2009, complete initial inspection by end of 2009.

Initially, two different UT's will be performed. One for the thickness and one for flaw detection. Once the 30" RN Piping has been coated with epoxy scheduled for early 2010, the thickness measurement is no longer required since the piping cannot corrode. The UT for flaw detection (volumetric) will be performed on a 3 year periodic basis. The inspection grid will start at the QQ column line wall, around the entire circumference of the pipe, to 12" out on the pipe, but excluding the circumferential weld. (The inspection does not include the circumferential weld). Additionally, Engineering Change CD501244 (EC93747)) will add a 10" branch connection and saddle (reinforcing collar) to the side of the 30" RN supply header piping. Once this saddle is installed, a portion of the 30" piping within the 12" grid will be covered by the saddle and unavailable for future UT, and may be excluded from future UT Augmented Inspections. at that time. However, the remainder of the 30" piping within 12" of the QQ wall will still be subjected to the 3 year periodic UT Augmented Inspections.

Additional Scheduling Information: Augmented Inspections are a commitment, but frequency has been determined by CNS MCE Civil. Any frequency changes would need to be evaluated and documented by CNS MCE Civil. First inspections need to be completed by the end of 2009 prior to aligning RN system in Single Supply Header Operation, which will be done to support RN supply header coating, schedule to start in early 2010. This examination will be scheduled in the Fourth Inspection Interval for EOC22 at which time the need to continue this Augmented Examination will be re-evaluated by Catawba Engineering.

Reference QA-513J ER-CNS-09-09, PIP#C-08-4845 and Catawba Technical Specification Amendments 243/237 to the Tech Spec 3.7.8, Nuclear Service Water System.

Depending on personnel performing examination, PDI-UT-1 or NDE-600 will be used.

Summary Num	Component ID Class / System	ISO/DWG Numbers	Procedure Description Comments	Insp Req	Material	Sched	Thick/NPS	Cal Blocks	Componenet ID 2
Category AUG									
C1.G10.2.0001	1ARN10-SUPPLYPIPING								
	Class 3 RN	CN-1493-RN.00-001 CN-1574-1.1	PDI-UT-1	UT	CS		0.365 / 10.000	PDI-UT-1-M	----

Examination Schedule: Start in 2009, complete initial inspection by end of 2009.

Initially, two different UT's will be performed. One for the thickness and one for flaw detection. Once the 10" RN Piping has been replaced with corrosion-resistant AL6XN (scheduled to be complete late 2012), the thickness measurement is no longer be performed. The UT for flaw detection (volumetric) will continue to be performed on a 3 year periodic basis, but the location of the inspection will change to reflect the new RN piping route. The inspection grid will start at the Diesel Building Wall (Column Line 38), around the entire circumference of the pipe, to approximately 6" out on the pipe, up to, but excluding the circumferential weld. (The inspection does not include the circumferential weld).

Additional Scheduling Information: Augmented Inspections are a commitment, but frequency has been determined by CNS MCE Civil. Any frequency changes would need to be evaluated and documented by CNS MCE Civil. First inspections need to be completed by the end of 2009 prior to aligning RN system in Single Supply Header Operation, which will be done to support RN supply header coating, schedule to start in early 2010. This examination will be scheduled in the Fourth Inspection Interval for EOC22 at which time the need to continue this Augmented Examination will be re-evaluated by Catawba Engineering.

Reference QA-513J ER-CNS-09-09, PIP#C-08-4845 and Catawba Technical Specification Amendments 243/237 to the Tech Spec 3.7.8, Nuclear Service Water System.

Depending on personnel performing examination, PDI-UT-1 or NDE-600 will be used.

Summary Num	Component ID Class / System	ISO/DWG Numbers	Procedure Description Comments	Insp Req	Material	Sched	Thick/NPS	Cal Blocks	Componenet ID 2
Category AUG									
C1.G10.2.0001	1ARN10-SUPPLYPIPING Class 3 RN	CN-1493-RN.00-001 CN-1574-1.1	NDE-946	UT	CS		0.365 / 10.000	Step_Wedge	----

Examination Schedule: Start in 2009, complete initial inspection by end of 2009.

Initially, two different UT's will be performed. One for the thickness and one for flaw detection. Once the 10" RN Piping has been replaced with corrosion-resistant AL6XN (scheduled to be complete late 2012), the thickness measurement is no longer be performed. The UT for flaw detection (volumetric) will continue to be performed on a 3 year periodic basis, but the location of the inspection will change to reflect the new RN piping route. The inspection grid will start at the Diesel Building Wall (Column Line 38), around the entire circumference of the pipe, to approximately 6" out on the pipe, up to, but excluding the circumferential weld. (The inspection does not include the circumferential weld).

Additional Scheduling Information: Augmented Inspections are a commitment, but frequency has been determined by CNS MCE Civil. Any frequency changes would need to be evaluated and documented by CNS MCE Civil. First inspections need to be completed by the end of 2009 prior to aligning RN system in Single Supply Header Operation, which will be done to support RN supply header coating, schedule to start in early 2010. This examination will be scheduled in the Fourth Inspection Interval for EOC22 at which time the need to continue this Augmented Examination will be re-evaluated by Catawba Engineering.

Reference QA-513J ER-CNS-09-09, PIP#C-08-4845 and Catawba Technical Specification Amendments 243/237 to the Tech Spec 3.7.8, Nuclear Service Water System.

Depending on personnel performing examination, PDI-UT-1 or NDE-600 will be used.

Summary Num	Component ID Class / System	ISO/DWG Numbers	Procedure Description Comments	Insp Req	Material	Sched	Thick/NPS	Cal Blocks	Componenet ID 2
Category AUG									
C1.G10.2.0002	1BRN10-SUPPLYPIPING								
	Class 3 RN	CN-1493-RN.00-001 CN-1574-1.1	PDI-UT-1	UT	CS		0.365 / 10.000	PDI-UT-1-M	----

Examination Schedule: Start in 2009, complete initial inspection by end of 2009.

Initially, two different UT's will be performed. One for the thickness and one for flaw detection. Once the 10" RN Piping has been replaced with corrosion-resistant AL6XN (scheduled to be complete late 2012), the thickness measurement is no longer be performed. The UT for flaw detection (volumetric) will continue to be performed on a 3 year periodic basis, but the location of the inspection will change to reflect the new RN piping route. The inspection grid will start at the Diesel Building Wall (Column Line 38), around the entire circumference of the pipe, to approximately 6" out on the pipe, up to, but excluding the circumferential weld. (The inspection does not include the circumferential weld).

Additional Scheduling Information: Augmented Inspections are a commitment, but frequency has been determined by CNS MCE Civil. Any frequency changes would need to be evaluated and documented by CNS MCE Civil. First inspections need to be completed by the end of 2009 prior to aligning RN system in Single Supply Header Operation, which will be done to support RN supply header coating, schedule to start in early 2010. This examination will be scheduled in the Fourth Inspection Interval for EOC22 at which time the need to continue this Augmented Examination will be re-evaluated by Catawba Engineering.

Reference QA-513J ER-CNS-09-09, PIP#C-08-4845 and Catawba Technical Specification Amendments 243/237 to the Tech Spec 3.7.8, Nuclear Service Water System.

Depending on personnel performing examination, PDI-UT-1 or NDE-600 will be used.

Summary Num	Component ID / Class / System	ISO/DWG Numbers	Procedure / Description / Comments	Insp Req	Material	Sched	Thick/NPS	Cal Blocks	Componenet ID 2
Category AUG									
C1.G10.2.0002	1BRN10-SUPPLYPIPING Class 3 RN	CN-1493-RN.00-001 CN-1574-1.1	NDE-946	UT	CS		0.365 / 10.000	Step_Wedge	----
			Examination Schedule: Start in 2009, complete initial inspection by end of 2009. Initially, two different UT's will be performed. One for the thickness and one for flaw detection. Once the 10" RN Piping has been replaced with corrosion-resistant AL6XN (scheduled to be complete late 2012), the thickness measurement is no longer be performed. The UT for flaw detection (volumetric) will continue to be performed on a 3 year periodic basis, but the location of the inspection will change to reflect the new RN piping route. The inspection grid will start at the Diesel Building Wall (Column Line 38), around the entire circumference of the pipe, to approximately 6" out on the pipe, up to, but excluding the circumferential weld. (The inspection does not include the circumferential weld). Additional Scheduling Information: Augmented Inspections are a commitment, but frequency has been determined by CNS MCE Civil. Any frequency changes would need to be evaluated and documented by CNS MCE Civil. First inspections need to be completed by the end of 2009 prior to aligning RN system in Single Supply Header Operation, which will be done to support RN supply header coating, schedule to start in early 2010. This examination will be scheduled in the Fourth Inspection Interval for EOC22 at which time the need to continue this Augmented Examination will be re-evaluated by Catawba Engineering. Reference QA-513J ER-CNS-09-09, PIP#C-08-4845 and Catawba Technical Specification Amendments 243/237 to the Tech Spec 3.7.8, Nuclear Service Water System. Depending on personnel performing examination, PDI-UT-1 or NDE-600 will be used.						
C1.G2.1.0012	1SM27-01 Class 2 SM	CN-1SM-027	NDE-25	MT	CS		2.375 / 34.000		G02.001.012, G02.001.012A
Circumferential		CN-ISIN3-1593-1.0							
			Pipe to Valve 1SM005						
C1.G2.1:0012	1SM27-01 Class 2 SM	CN-1SM-027	NDE-600	UT	CS		2.375 / 34.000	Component	G02:001.012, G02.001.012A
Circumferential		CN-ISIN3-1593-1.0							
			Pipe to Valve 1SM005						

Summary Num	Component ID Class / System	ISO/DWG Numbers	Procedure Description Comments	Insp Req	Material	Sched	Thick/NPS	Cal Blocks	Componenet ID 2
Category AUG									
C1.G2.1.0013	1SM27-02 Class 2 SM	CN-1SM-027 CN-ISIN3-1593-1.0	PDI-UT-1	UT	CS		2.375 / 34.000	50385	G02.001.013, G02.001.013A
Circumferential			Valve 1SM005 to Pipe						
C1.G2.1.0013	1SM27-02 Class 2 SM	CN-1SM-027	NDE-25	MT	CS		2.375 / 34.000		G02.001.013, G02.001.013A
Circumferential		CN-ISIN3-1593-1.0	Valve 1SM005 to Pipe						
C1.G2.1.0014	1SM-8B-A Class 2 SM	CN-1SM-027 CN-ISIN3-1593-1.0	PDI-UT-1	UT	CS		2.375 / 34.000	50385	G02.001.014, G02.001.014A
Circumferential			Pipe to Pipe Grinnell Piece Mark CT-SM-8B Weld A.						
C1.G2.1.0014	1SM-8B-A Class 2 SM	CN-1SM-027	NDE-25	MT	CS		2.375 / 34.000		G02.001.014, G02.001.014A
Circumferential		CN-ISIN3-1593-1.0	Pipe to Pipe Grinnell Piece Mark CT-SM-8B Weld A.						
C1.G2.1.0015	1SM27-06 Class 2 SM	CN-1SM-027,3CNS1-037	NDE-25	MT	CS		2.375 / 34.000		G02.001.015, G02.001.015A
Circumferential		CN-ISIN3-1593-1.0	Pipe to Pipe						

Summary Num	Component ID Class / System	ISO/DWG Numbers	Procedure Description Comments	Insp Req	Material	Sched	Thick/NPS	Cal Blocks	Componenet ID 2
Category AUG									
C1.G2.1.0015 Circumferential	1SM27-06 Class 2 SM	CN-1SM-027,3CNS1-037 CN-ISIN3-1593-1.0	PDI-UT-1 Pipe to Pipe	UT	CS		2.375 / 34.000	50385	G02.001.015, G02.001.015A
C1.G2.1.0016 Circumferential	1SM-7B-A Class 2 SM	CN-1SM-028,3CNS1-037 CN-ISIN3-1593-1.0	NDE-25 Pipe to Elbow Grinnell Piece Mark CT-SM-7B Weld A. Procedure NDE-600 uses the component for calibration. Procedure PDI-UT-1 may be used in lieu of NDE-600. If PDI-UT-1 is used , then the calibration block listed shall be used.	MT	CS		1.750 / 34.000		G02.001.016, G02.001.016A
C1.G2.1.0016 Circumferential	1SM-7B-A Class 2 SM	CN-1SM-028,3CNS1-037 CN-ISIN3-1593-1.0	NDE-600 Pipe to Elbow Grinnell Piece Mark CT-SM-7B Weld A. Procedure NDE-600 uses the component for calibration. Procedure PDI-UT-1 may be used in lieu of NDE-600. If PDI-UT-1 is used , then the calibration block listed shall be used.	UT	CS		1.750 / 34.000	Component 50385	G02.001.016, G02.001.016A
C1.G2.1.0017 Circumferential	1SM28-01 Class 2 SM	CN-1SM-028 CN-ISIN3-1593-1.0	NDE-25 Pipe to Elbow Procedure NDE-600 uses the component for calibration. Procedure PDI-UT-1 may be used in lieu of NDE-600. If PDI-UT-1 is used , then the calibration block listed shall be used.	MT	CS		1.750 / 34.000		G02.001.017, G02.001.017A

Summary Num	Component ID Class / System	ISO/DWG Numbers	Procedure Description Comments	Insp Req	Material	Sched	Thick/NPS	Cal Blocks	Componenet ID 2
Category AUG									
C1.G2.1.0017	1SM28-01								
	Class 2 SM	CN-1SM-028	NDE-600	UT	CS		1.750 / 34.000	Component	G02.001.017,
		CN-ISIN3-1593-1.0						50385	G02.001.017A
Circumferential									
			Pipe to Elbow						
			Procedure NDE-600 uses the component for calibration. Procedure PDI-UT-1 may be used in lieu of NDE-600. If PDI-UT-1 is used , then the calibration block listed shall be used.						
C1.G2.1.0018	1SM-6B-A								
	Class 2 SM	CN-1SM-028	NDE-25	MT	CS		1.750 / 34.000		G02.001.018,
									G02.001.018A
Circumferential		CN-ISIN3-1593-1.0							
			Pipe to Pipe						
			Grinnell Piece Mark CT-SM-6B Weld A. Procedure NDE-600 uses the component for calibration. Procedure PDI-UT-1 may be used in lieu of NDE-600. If PDI-UT-1 is used , then the calibration block listed shall be used.						
C1.G2.1.0018	1SM-6B-A								
	Class 2 SM	CN-1SM-028	NDE-600	UT	CS		1.750 / 34.000	Component	G02.001.018,
		CN-ISIN3-1593-1.0						50385	G02.001.018A
Circumferential									
			Pipe to Pipe						
			Grinnell Piece Mark CT-SM-6B Weld A. Procedure NDE-600 uses the component for calibration. Procedure PDI-UT-1 may be used in lieu of NDE-600. If PDI-UT-1 is used , then the calibration block listed shall be used.						
C1.G2.1.0019	1SM28-02								
	Class 2 SM	CN-1SM-028	NDE-25	MT	CS		1.750 / 34.000		G02.001.019,
									G02.001.019A
CIRCUMFERENTIAL		CN-ISIN3-1593-1.0							
			Pipe to Elbow						
			Procedure NDE-600 uses the component for calibration. Procedure PDI-UT-1 may be used in lieu of NDE-600. If PDI-UT-1 is used , then the calibration block listed shall be used.						

Summary Num	Component ID Class / System	ISO/DWG Numbers	Procedure Description Comments	Insp Req	Material	Sched	Thick/NPS	Cal Blocks	Componenet ID 2
Category AUG									
C1.G2.1.0019 CIRCUMFERENTIAL	1SM28-02 Class 2 SM	CN-1SM-028 CN-ISIN3-1593-1.0	NDE-600 Pipe to Elbow Procedure NDE-600 uses the component for calibration. Procedure PDI-UT-1 may be used in lieu of NDE-600. If PDI-UT-1 is used , then the calibration block listed shall be used.	UT	CS		1.750 / 34.000	Component 50385	G02.001.019, G02.001.019A
C1.G2.1.0020 Circumferential	1SM-5B-A Class 2 SM	CN-1SM-028 CN-ISIN3-1593-1.0	NDE-25 Pipe to Elbow Grinnell Piece Mark CT-SM-5B Weld A. Procedure NDE-600 uses the component for calibration. Procedure PDI-UT-1 may be used in lieu of NDE-600. If PDI-UT-1 is used , then the calibration block listed shall be used.	MT	CS		1.750 / 34.000		G02.001.020, G02.001.020A
C1.G2.1.0020 Circumferential	1SM-5B-A Class 2 SM	CN-1SM-028 CN-ISIN3-1593-1.0	NDE-600 Pipe to Elbow Grinnell Piece Mark CT-SM-5B Weld A. Procedure NDE-600 uses the component for calibration. Procedure PDI-UT-1 may be used in lieu of NDE-600. If PDI-UT-1 is used , then the calibration block listed shall be used.	UT	CS		1.750 / 34.000	Component 50385	G02.001.020, G02.001.020A
C1.G2.1.0021 Circumferential	1SM28-03 Class 2 SM	CN-1SM-028 CN-ISIN3-1593-1.0	NDE-25 Elbow to Pipe Procedure NDE-600 uses the component for calibration. Procedure PDI-UT-1 may be used in lieu of NDE-600. If PDI-UT-1 is used , then the calibration block listed shall be used.	MT	CS		1.750 / 34.000		G02.001.021, G02.001.021A

Summary Num	Component ID Class / System	ISO/DWG Numbers	Procedure Description Comments	Insp Req	Material	Sched	Thick/NPS	Cal Blocks	Componenet ID 2
Category AUG									
C1.G2.1.0021	1SM28-03								
	Class 2 SM	CN-1SM-028 CN-ISIN3-1593-1.0	NDE-600	UT	CS		1.750 / 34.000	Component 50385	G02.001.021, G02.001.021A
Circumferential									
			Elbow to Pipe Procedure NDE-600 uses the component for calibration. Procedure PDI-UT-1 may be used in lieu of NDE-600. If PDI-UT-1 is used , then the calibration block listed shall be used.						
C1.G2.1.0022	1SM-4B-A								
	Class 2 SM	CN-1SM-028	NDE-25	MT	CS		1.750 / 34.000		G02.001.022, G02.001.022A
Circumferential		CN-ISIN3-1593-1.0							
			Elbow to Pipe Grinnell Piece Mark CT-SM-4B Weld A. Procedure NDE-600 uses the component for calibration. Procedure PDI-UT-1 may be used in lieu of NDE-600. If PDI-UT-1 is used , then the calibration block listed shall be used.						
C1.G2.1.0022	1SM-4B-A								
	Class 2 SM	CN-1SM-028 CN-ISIN3-1593-1.0	NDE-600	UT	CS		1.750 / 34.000	Component 50385	G02.001.022, G02.001.022A
Circumferential									
			Elbow to Pipe Grinnell Piece Mark CT-SM-4B Weld A. Procedure NDE-600 uses the component for calibration. Procedure PDI-UT-1 may be used in lieu of NDE-600. If PDI-UT-1 is used , then the calibration block listed shall be used.						
C1.G2.1.0023	1SM28-04								
	Class 2 SM	CN-1SM-028	NDE-25	MT	CS		1.750 / 34.000		G02.001.023, G02.001.023A
Circumferential		CN-ISIN3-1593-1.0							
			Pipe to Pipe Procedure NDE-600 uses the component for calibration. Procedure PDI-UT-1 may be used in lieu of NDE-600. If PDI-UT-1 is used , then the calibration block listed shall be used.						

Summary Num	Component ID Class / System	ISO/DWG Numbers	Procedure Description Comments	Insp Req	Material	Sched	Thick/NPS	Cal Blocks	Componenet ID 2
Category AUG									
C1.G2.1.0023 Circumferential	1SM28-04 Class 2 SM	CN-1SM-028 CN-ISIN3-1593-1.0	NDE-600 Pipe to Pipe Procedure NDE-600 uses the component for calibration. Procedure PDI-UT-1 may be used in lieu of NDE-600. If PDI-UT-1 is used , then the calibration block listed shall be used.	UT	CS		1.750 / 34.000	Component 50385	G02.001.023, G02.001.023A
C1.G3.1.0001 Circumferential	1NC51-01 Class 1 NC	CN-1NC-051 CN-ISIN3-1562-1.0	NDE-995 Nozzle to Pipe Loop 1A.	UT	SS		0.281 / 1.500	50202	G03.001.001
C1.G3.1.0002	1NC51-BEND-AA Class 1 NC	CN-1NC-051 CN-ISIN3-1562-1.0	NDE-995 Loop 1A Pipe Bend.	UT	SS		0.281 / 1.500	50202	G03.001.002
C1.G3.1.0003 Socket	1NC51-02 Class 1 NC	CN-1NC-051 CN-ISIN3-1562-1.0	NDE-995 Pipe to Elbow Loop 1A.	UT	SS		0.281 / 1.500	50202	G03.001.003
C1.G3.1.0004 Socket	1NC51-03 Class 1 NC	CN-1NC-051 CN-ISIN3-1562-1.0	NDE-995 Elbow to Pipe Loop 1A.	UT	SS		0.281 / 1.500	50202	G03.001.004

Summary Num	Component ID Class / System	ISO/DWG Numbers	Procedure Description Comments	Insp Req	Material	Sched	Thick/NPS	Cal Blocks	Componenet ID 2
Category AUG									
C1.G3.1.0005 Circumferential	1NC42-01 Class 1 NC	CN-1NC-042 CN-ISIN3-1562-1.0	NDE-995 Nozzle to Pipe Loop 1B.	UT	SS		0.281 / 1.500	50202	G03.001.005
C1.G3.1.0006	1NC42-BEND-AA Class 1 NC	CN-1NC-042 CN-ISIN3-1562-1.0	NDE-995 Loop 1B Pipe Bend.	UT	SS		0.281 / 1.500	50202	G03.001.006
C1.G3.1.0007 Circumferential	1NC42-08 Class 1 NC	CN-1NC-042 CN-ISIN3-1562-1.0	NDE-995 Pipe to Pipe Loop 1B.	UT	SS		0.281 / 1.500	50202	G03.001.007
C1.G3.1.0008	1NC42-BEND-BB Class 1 NC	CN-1NC-042 CN-ISIN3-1562-1.0	NDE-995 Loop 1B Pipe Bend.	UT	SS		0.281 / 1.500	50202	G03.001.008
C1.G3.1.0009 Circumferential	1NC82-01 Class 1 NC	CN-1NC-082 CN-ISIN3-1562-1.0	NDE-995 Nozzle to Pipe Loop 1C.	UT	SS		0.281 / 1.500	50202	G03.001.009
C1.G3.1.0010	1NC82-BEND-AA Class 1 NC	CN-1NC-082 CN-ISIN3-1562-1.0	NDE-995 Loop 1C Pipe Bend.	UT	SS		0.281 / 1.500	50202	G03.001.010

Summary Num	Component ID Class / System	ISO/DWG Numbers	Procedure Description Comments	Insp Req	Material	Sched	Thick/NPS	Cal Blocks	Componenet ID 2
Category AUG									
C1.G3.1.0011 Circumferential	1NC82-08 Class 1 NC	CN-1NC-082 CN-ISIN3-1562-1.0	NDE-995 Pipe to Pipe Loop 1C.	UT	SS		0.281 / 1.500	50202	G03.001.011
C1.G3.1.0012	1NC82-BEND-BB Class 1 NC	CN-1NC-082 CN-ISIN3-1562-1.0	NDE-995 Loop 1C Pipe Bend.	UT	SS		0.281 / 1.500	50202	G03.001.012
C1.G3.1.0013 Circumferential	1NC43-11 Class 1 NC	CN-1NC-043 CN-ISIN3-1562-1.0	NDE-995 Nozzle to Pipe Loop 1D.	UT	SS		0.281 / 1.500	50202	G03.001.013
C1.G3.1.0014	1NC43-BEND-CC1 Class 1 NC	CN-1NC-043 CN-ISIN3-1562-1.0	NDE-995 Loop 1D Pipe Bend.	UT	SS		0.281 / 1.500	50202	G03.001.014
C1.G3.1.0015 Circumferential	1NC43-12 Class 1 NC	CN-1NC-043 CN-ISIN3-1562-1.0	NDE-995 Pipe to Pipe Loop 1D.	UT	SS		0.281 / 1.500	50202	G03.001.015
C1.G3.1.0016	1NC43-BEND-CC2 Class 1 NC	CN-1NC-043 CN-ISIN3-1562-1.0	NDE-995 Loop 1D Pipe Bend.	UT	SS		0.281 / 1.500	50202	G03.001.016

Summary Num	Component ID / Class / System	ISO/DWG Numbers	Procedure / Description / Comments	Insp Req	Material	Sched	Thick/NPS	Cal Blocks	Componenet ID 2
Category AUG									
C1.G6.2.0001	1PZR-MANWAY								
	Class 1 NC		NDE 68	VT-2	SS-CS		0.000 / 0.000		G06.002.001
Circumferential		CNM 1201.01-175/1 CNM 1201.01-175/2							
			Pressurizer Manway Diaphram Seal Weld. Bare Metal Visual Examination by VT-2 qualified inspector. Examine the gap between the Pressurizer Manway Cover and Manway for evidence of diaphram plate seal weld leakage. (For responsible individual, contact J.M. Shuping, Alloy 600 Engineer Nuclear Technical Services). Reference NRC Bulletin 2004-01.						
C1.G9.1.0001	1RPV-743-31-20								
	Class 1 NC	CNM 1201.01-0032 RDM 30738-1544	NDE-25	MT	CS		64.560 / 7.000		G09.001.001
			Reactor Vessel Closure Head Stud. Inspect per Nuclear Guide 1.65. Stud to be removed from vessel for MT exam, evaluate exam results to NDE-25 appendix B (Section III NB-2545).						
C1.G9.1.0002	1RPV-743-32-20								
	Class 1 NC	CNM 1201.01-0032 RDM 30738-1544	NDE-25	MT	CS		1.770 / 10.540		G09.001.002
			Reactor Vessel Closure Head Nut. Inspect per Nuclear Guide 1.65. Nut to be removed from vessel for MT exam, evaluate exam results to NDE-25 appendix B (Section III NB-2545).						
C1.G9.1.0003	1RPV-743-31-22								
	Class 1 NC	CNM 1201.01-0032 RDM 30738-1544	NDE-25	MT	CS		64.560 / 7.000		G09.001.003
			Reactor Vessel Closure Head Stud. Inspect per Nuclear Guide 1.65. Stud to be removed from vessel for MT exam, evaluate exam results to NDE-25 appendix B (Section III NB-2545).						
C1.G9.1.0004	1RPV-743-32-22								
	Class 1 NC	CNM 1201.01-0032 RMD 30738-1544	NDE-25	MT	CS		1.770 / 10.540		G09.001.004
			Reactor Vessel Closure Head Nut. Inspect per Nuclear Guide 1.65. Nut to be removed from vessel for MT exam, evaluate exam results to NDE-25 appendix B (Section III NB-2545).						
C1.G9.1.0005	1RPV-743-31-24								
	Class 1 NC	CNM 1201.01-0032 RDM 30738-1544	NDE-25	MT	CS		64.560 / 7.000		G09.001.005
			Reactor Vessel Closure Head Stud. Inspect per Nuclear Guide 1.65. Stud to be removed from vessel for MT exam, evaluate exam results to NDE-25 appendix B (Section III NB-2545).						

Summary Num	Component ID / Class / System	ISO/DWG Numbers	Procedure / Description / Comments	Insp Req	Material	Sched	Thick/NPS	Cal Blocks	Componenet ID 2
Category AUG									
C1.G9.1.0006	1RPV-743-32-24 Class 1 NC	CNM 1201.01-0032 RDM 30738-1544	NDE-25 Reactor Vessel Closure Head Nut. Inspect per Nuclear Guide 1.65. Nut to be removed from vessel for MT exam, evaluate exam results to NDE-25 appendix B (Section III NB-2545).	MT	CS		1.770 / 10.540		G09.001.006
C1.G9.1.0007	1RPV-743-31-30 Class 1 NC	CNM 1201.01-0032 RDM 30738-1544	NDE-25 Reactor Vessel Closure Head Stud. Inspect per Nuclear Guide 1.65. Stud to be removed from vessel for MT exam, evaluate exam results to NDE-25 appendix B (Section III NB-2545).	MT	CS		64.560 / 7.000		G09.001.007
C1.G9.1.0008	1RPV-743-32-30 Class 1 NC	CNM 1201.01-0032 RDM 30738-1544	NDE-25 Reactor Vessel Closure Head Nut. Inspect per Nuclear Guide 1.65. Nut to be removed from vessel for MT exam, evaluate exam results to NDE-25 appendix B (Section III NB-2545).	MT	CS		1.770 / 10.540		G09.001.008
C1.G9.1.0009	1RPV-743-31-34 Class 1 NC	CNM 1201.01-0032 RDM 30738-1544	NDE-25 Reactor Vessel Closure Head Stud. Inspect per Nuclear Guide 1.65. Stud to be removed from vessel for MT exam, evaluate exam results to NDE-25 appendix B (Section III NB-2545).	MT	CS		64.560 / 7.000		G09.001.009
C1.G9.1.0010	1RPV-743-32-34 Class 1 NC	CNM 1201.01-0032 RDM 30738-1544	NDE-25 Reactor Vessel Closure Head Nut. Inspect per Nuclear Guide 1.65. Nut to be removed from vessel for MT exam, evaluate exam results to NDE-25 appendix B (Section III NB-2545).	MT	CS		1.770 / 10.540		G09.001.010
C1.G9.1.0011	1RPV-743-31-36 Class 1 NC	CNM 1201.01-0032 RDM 30738-1544	NDE-25 Reactor Vessel Closure Head Stud. Inspect per Nuclear Guide 1.65. Stud to be removed from vessel for MT exam, evaluate exam results to NDE-25 appendix B (Section III NB-2545).	MT	CS		64.560 / 7.000		G09.001.011
C1.G9.1.0012	1RPV-743-32-36 Class 1 NC	CNM 1201.01-0032 RDM 30738-1544	NDE-25 Reactor Vessel Closure Head Nut. Inspect per Nuclear Guide 1.65. Nut to be removed from vessel for MT exam, evaluate exam results to NDE-25 appendix B (Section III NB-2545).	MT	CS		1.770 / 10.540		G09.001.012

Summary Num	Component ID Class / System	ISO/DWG Numbers	Procedure Description Comments	Insp Req	Material	Sched	Thick/NPS	Cal Blocks	Componenet ID 2
Category B-D									
C1.B3.140.0007	1SGD-INLET								
	Class 1 NC	CNM 1201.01-609	NDE-680	UT	CS		6.125 / 39.000	50235	B03.140.007
Circumferential		CNM 1201.01-618							
			Steam Generator 1D Primary Inlet Nozzle to Lower Head (Inside Radius Section). Y1-X1 Quadrant.						
C1.B3.140.0008	1SGD-OUTLET								
	Class 1 NC	CNM 1201.01-609	NDE-680	UT	CS		6.125 / 39.000	50235	B03.140.008
Circumferential		CNM 1201.01-618							
			Steam Generator 1D Primary Outlet Nozzle to Lower Head (Inside Radius Section). Y2-X1 Quadrant.						
Category B-F									
C1.B5.70.0003	1SGB-INLET-W5SE								
	Class 1 NC	CNM 1201.01-609	PDI-UT-10	UT	SS-CS		2.750 / 31.000		B05.070.003,
		CNM 1201.01-617						5149697	B05.070.003A
								5158172	
Circumferential Terminal End Dissimilar									
			Nozzle to Safe End Steam Generator 1B Inlet Nozzle to Safe End.						
C1.B5.70.0003	1SGB-INLET-W5SE								
	Class 1 NC	CNM 1201.01-609	NDE-35	PT	SS-CS		2.750 / 31.000		B05.070.003,
Circumferential Terminal End Dissimilar		CNM 1201.01-617							B05.070.003A
			Nozzle to Safe End Steam Generator 1B Inlet Nozzle to Safe End.						

Summary Num	Component ID Class / System	ISO/DWG Numbers	Procedure Description Comments	Insp Req	Material	Sched	Thick/NPS	Cal Blocks	Componenet ID 2
Category B-F									
C1.B5.70.0004	1SGB-OUTLET-W6SE								
	Class 1 NC	CNM 1201.01-609	NDE-35	PT	SS-CS		2.750 / 31.000		B05.070.004, B05.070.004A
Circumferential Terminal End Dissimilar		CNM 1201.01-617							
			Nozzle to Safe End Steam Generator 1B Outlet Nozzle to Safe End.						
C1.B5.70.0004	1SGB-OUTLET-W6SE								
	Class 1 NC	CNM 1201.01-609 CNM 1201.01-617	PDI-UT-10	UT	SS-CS		2.750 / 31.000	5149697 5158172	B05.070.004, B05.070.004A
Circumferential Terminal End Dissimilar									
			Nozzle to Safe End Steam Generator 1B Outlet Nozzle to Safe End.						
C1.B5.70.0007	1SGD-INLET-W5SE								
	Class 1 NC	CNM 1201.01-609	NDE-35	PT	SS-CS		2.750 / 31.000		B05.070.007, B05.070.007A
Circumferential Terminal End Dissimilar		CNM 1201.01-617							
			Nozzle to Safe End Steam Generator 1D Inlet Nozzle to Safe End.						
C1.B5.70.0007	1SGD-INLET-W5SE								
	Class 1 NC	CNM 1201.01-609 CNM 1201.01-617	PDI-UT-10	UT	SS-CS		2.750 / 31.000	5149697 5158172	B05.070.007, B05.070.007A
Circumferential Terminal End Dissimilar									
			Nozzle to Safe End Steam Generator 1D Inlet Nozzle to Safe End.						

Summary Num	Component ID / Class / System	ISO/DWG Numbers	Procedure	Insp Req	Material	Sched	Thick/NPS	Cal Blocks	Componenet ID 2
			Description / Comments						
Category B-F									
C1.B5.70.0008	1SGD-OUTLET-W6SE								
	Class 1 NC	CNM 1201.01-609	NDE-35	PT	SS-CS		2.750 / 31.000		B05.070.008, B05.070.008A
Circumferential Terminal End Dissimilar		CNM 1201.01-617							
			Nozzle to Safe End Steam Generator 1D Outlet Nozzle to Safe End.						
C1.B5.70.0008	1SGD-OUTLET-W6SE								
	Class 1 NC	CNM 1201.01-609 CNM 1201.01-617	PDI-UT-10	UT	SS-CS		2.750 / 31.000	5149697 5158172	B05.070.008, B05.070.008A
Circumferential Terminal End Dissimilar									
			Nozzle to Safe End Steam Generator 1D Outlet Nozzle to Safe End.						
Category B-G-1									
C1.B6.10.0019	1RPV-743-32-19								
	Class 1 NC	CNM 1201.01-105 RDM 30738-1544	NDE-62	VT-1	CS		1.770 / 10.540		B06.010.019
			Reactor Vessel Closure Head Nut.						
C1.B6.10.0020	1RPV-743-32-20								
	Class 1 NC	CNM 1201.01-105 RDM 30738-1544	NDE-62	VT-1	CS		1.770 / 10.540		B06.010.020
			Reactor Vessel Closure Head Nut.						
C1.B6.10.0021	1RPV-743-32-21								
	Class 1 NC	CNM 1201.01-105 RDM 30738-1544	NDE-62	VT-1	CS		1.770 / 10.540		B06.010.021
			Reactor Vessel Closure Head Nut.						

Summary Num	Component ID Class / System	ISO/DWG Numbers	Procedure Description Comments	Insp Req	Material	Sched	Thick/NPS	Cal Blocks	Componenet ID 2
Category B-G-1									
C1.B6.10.0022	1RPV-743-32-22 Class 1 NC	CNM 1201.01-105 RDM 30738-1544	NDE-62	VT-1	CS		1.770 / 10.540		B06.010.022
			Reactor Vessel Closure Head Nut.						
C1.B6.10.0023	1RPV-743-32-23 Class 1 NC	CNM 1201.01-105 RDM 30738-1544	NDE-62	VT-1	CS		1.770 / 10.540		B06.010.023
			Reactor Vessel Closure Head Nut.						
C1.B6.10.0024	1RPV-743-32-24 Class 1 NC	CNM 1201.01-105 RDM 30738-1544	NDE-62	VT-1	CS		1.770 / 10.540		B06.010.024
			Reactor Vessel Closure Head Nut.						
C1.B6.10.0025	1RPV-743-32-25 Class 1 NC	CNM 1201.01-105 RDM 30738-1544	NDE-62	VT-1	CS		1.770 / 10.540		B06.010.025
			Reactor Vessel Closure Head Nut.						
C1.B6.10.0026	1RPV-743-32-26 Class 1 NC	CNM 1201.01-105 RDM 30738-1544	NDE-62	VT-1	CS		1.770 / 10.540		B06.010.026
			Reactor Vessel Closure Head Nut.						
C1.B6.10.0027	1RPV-589-32-S6 Class 1 NC	CNM 1201.01-105 RDM 30738-1544	NDE-62	VT-1	CS		1.770 / 10.540		B06.010.027
			Reactor Vessel Closure Head Nut.						
C1.B6.10.0028	1RPV-743-32-28 Class 1 NC	CNM 1201.01-105 RDM 30738-1544	NDE-62	VT-1	CS		1.770 / 10.540		B06.010.028
			Reactor Vessel Closure Head Nut.						

Summary Num	Component ID / Class / System	ISO/DWG Numbers	Procedure / Description / Comments	Insp Req	Material	Sched	Thick/NPS	Cal Blocks	Componenet ID 2
Category B-G-1									
C1.B6.10.0029	1RPV-743-32-29 Class 1 NC	CNM 1201.01-105 RDM 30738-1544	NDE-62 Reactor Vessel Closure Head Nut.	VT-1	CS		1.770 / 10.540		B06.010.029
C1.B6.10.0030	1RPV-743-32-30 Class 1 NC	CNM 1201.01-105 RDM 30738-1544	NDE-62 Reactor Vessel Closure Head Nut.	VT-1	CS		1.770 / 10.540		B06.010.030
C1.B6.10.0031	1RPV-743-32-31 Class 1 NC	CNM 1201.01-105 RDM 30738-1544	NDE-62 Reactor Vessel Closure Head Nut.	VT-1	CS		1.770 / 10.540		B06.010.031
C1.B6.10.0032	1RPV-743-32-32 Class 1 NC	CNM 1201.01-105 RDM 30738-1544	NDE-62 Reactor Vessel Closure Head Nut.	VT-1	CS		1.770 / 10.540		B06.010.032
C1.B6.10.0033	1RPV-743-32-33 Class 1 NC	CNM 1201.01-105 RDM 30738-1544	NDE-62 Reactor Vessel Closure Head Nut.	VT-1	CS		1.770 / 10.540		B06.010.033
C1.B6.10.0034	1RPV-743-32-34 Class 1 NC	CNM 1201.01-105 RDM 30738-1544	NDE-62 Reactor Vessel Closure Head Nut.	VT-1	CS		1.770 / 10.540		B06.010.034
C1.B6.10.0035	1RPV-743-32-35 Class 1 NC	CNM 1201.01-105 RDM 30738-1544	NDE-62 Reactor Vessel Closure Head Nut.	VT-1	CS		1.770 / 10.540		B06.010.035

Summary Num	Component ID / Class / System	ISO/DWG Numbers	Procedure / Description / Comments	Insp Req	Material	Sched	Thick/NPS	Cal Blocks	Componenet ID 2
Category B-G-1									
C1.B6.10.0036	1RPV-743-32-36 Class 1 NC	CNM 1201.01-105 RDM 30738-1544	NDE-62 Reactor Vessel Closure Head Nut.	VT-1	CS		1.770 / 10.540		B06.010.036
C1.B6.30.0019	1RPV-743-31-19 Class 1 NC	CNM 1201.01-105 RDM 30738-1544	PDI-UT-5 Reactor Vessel Closure Head Stud.	UT	CS		64.560 / 7.000	50501	B06.030.019
C1.B6.30.0020	1RPV-743-31-20 Class 1 NC	CNM 1201.01-105 RDM 30738-1544	PDI-UT-5 Reactor Vessel Closure Head Stud.	UT	CS		64.560 / 7.000	50501	B06.030.020
C1.B6.30.0021	1RPV-743-31-21 Class 1 NC	CNM 1201.01-105 RDM 30738-1544	PDI-UT-5 Reactor Vessel Closure Head Stud.	UT	CS		64.560 / 7.000	50501	B06.030.021
C1.B6.30.0022	1RPV-743-31-22 Class 1 NC	CNM 1201.01-105 RDM 30738-1544	PDI-UT-5 Reactor Vessel Closure Head Stud.	UT	CS		64.560 / 7.000	50501	B06.030.022
C1.B6.30.0023	1RPV-743-31-23 Class 1 NC	CNM 1201.01-105 RDM 30738-1544	PDI-UT-5 Reactor Vessel Closure Head Stud.	UT	CS		64.560 / 7.000	50501	B06.030.023
C1.B6.30.0024	1RPV-743-31-24 Class 1 NC	CNM 1201.01-105 RDM 30738-1544	PDI-UT-5 Reactor Vessel Closure Head Stud.	UT	CS		64.560 / 7.000	50501	B06.030.024

Summary Num	Component ID Class / System	ISO/DWG Numbers	Procedure Description Comments	Insp Req	Material	Sched	Thick/NPS	Cal Blocks	Componenet ID 2
Category B-G-1									
C1.B6.30.0025	1RPV-743-31-25 Class 1 NC	CNM 1201.01-105 RDM 30738-1544	PDI-UT-5 Reactor Vessel Closure Head Stud.	UT	CS		64.560 / 7.000	50501	B06.030.025
C1.B6.30.0026	1RPV-743-31-26 Class 1 NC	CNM 1201.01-105 RDM 30738-1544	PDI-UT-5 Reactor Vessel Closure Head Stud.	UT	CS		64.560 / 7.000	50501	B06.030.026
C1.B6.30.0027	1RPV-589-31-S6 Class 1 NC	CNM 1201.01-105 RDM 30738-1544	PDI-UT-5 Reactor Vessel Closure Head Stud.	UT	CS		64.560 / 7.000	50501	B06.030.027
C1.B6.30.0028	1RPV-743-31-28 Class 1 NC	CNM 1201.01-105 RDM 30738-1544	PDI-UT-5 Reactor Vessel Closure Head Stud.	UT	CS		64.560 / 7.000	50501	B06.030.028
C1.B6.30.0029	1RPV-743-S1 Class 1 NC	CNM 1201.01-105 RDM 30738-1544	PDI-UT-5 Reactor Vessel Closure Head Stud. The Component ID was changed from 1RPV-743-31-29 to 1RPV-743-S1 during 1EOC18.	UT	CS		64.560 / 7.000	50501	B06.030.029
C1.B6.30.0030	1RPV-743-31-30 Class 1 NC	CNM 1201.01-105 RDM 30738-1544	PDI-UT-5 Reactor Vessel Closure Head Stud.	UT	CS		64.560 / 7.000	50501	B06.030.030
C1.B6.30.0031	1RPV-743-31-31 Class 1 NC	CNM 1201.01-105 RDM 30738-1544	PDI-UT-5 Reactor Vessel Closure Head Stud.	UT	CS		64.560 / 7.000	50501	B06.030.031

Summary Num	Component ID Class / System	ISO/DWG Numbers	Procedure Description Comments	Insp Req	Material	Sched	Thick/NPS	Cal Blocks	Componenet ID 2
Category B-G-1									
C1.B6.30.0032	1RPV-743-31-32 Class 1 NC	CNM 1201.01-105 RDM 30738-1544	PDI-UT-5 Reactor Vessel Closure Head Stud.	UT	CS		64.560 / 7.000	50501	B06.030.032
C1.B6.30.0033	1RPV-743-31-33 Class 1 NC	CNM 1201.01-105 RDM 30738-1544	PDI-UT-5 Reactor Vessel Closure Head Stud.	UT	CS		64.560 / 7.000	50501	B06.030.033
C1.B6.30.0034	1RPV-743-31-34 Class 1 NC	CNM 1201.01-105 RDM 30738-1544	PDI-UT-5 Reactor Vessel Closure Head Stud.	UT	CS		64.560 / 7.000	50501	B06.030.034
C1.B6.30.0035	1RPV-743-31-35 Class 1 NC	CNM 1201.01-105 RDM 30738-1544	PDI-UT-5 Reactor Vessel Closure Head Stud.	UT	CS		64.560 / 7.000	50501	B06.030.035
C1.B6.30.0036	1RPV-743-31-36 Class 1 NC	CNM 1201.01-105 RDM 30738-1544	PDI-UT-5 Reactor Vessel Closure Head Stud.	UT	CS		64.560 / 7.000	50501	B06.030.036
C1.B6.50.0019	1RPV-743-33-19 Class 1 NC	CNM 1201.01-105	NDE-62 Reactor Vessel Closure Head Washer.	VT-1	CS		1.500 / 10.560		B06.050.019
C1.B6.50.0020	1RPV-743-33-20 Class 1 NC	CNM 1201.01-105	NDE-62 Reactor Vessel Closure Head Washer.	VT-1	CS		1.500 / 10.560		B06.050.020

Summary Num	Component ID / Class / System	ISO/DWG Numbers	Procedure	Insp Req	Material	Sched	Thick/NPS	Cal Blocks	Componenet ID 2
			Description / Comments						
Category B-G-1									
C1.B6.50.0021	1RPV-743-33-21								
	Class 1	NC CNM 1201.01-105	NDE-62	VT-1	CS		1.500 / 10.560		B06.050.021
			Reactor Vessel Closure Head Washer.						
C1.B6.50.0022	1RPV-743-33-22								
	Class 1	NC CNM 1201.01-105	NDE-62	VT-1	CS		1.500 / 10.560		B06.050.022
			Reactor Vessel Closure Head Washer.						
C1.B6.50.0023	1RPV-743-33-23								
	Class 1	NC CNM 1201.01-105	NDE-62	VT-1	CS		1.500 / 10.560		B06.050.023
			Reactor Vessel Closure Head Washer.						
C1.B6.50.0024	1RPV-743-33-24								
	Class 1	NC CNM 1201.01-105	NDE-62	VT-1	CS		1.500 / 10.560		B06.050.024
			Reactor Vessel Closure Head Washer.						
C1.B6.50.0025	1RPV-743-33-25								
	Class 1	NC CNM 1201.01-105	NDE-62	VT-1	CS		1.500 / 10.560		B06.050.025
			Reactor Vessel Closure Head Washer.						
C1.B6.50.0026	1RPV-743-33-26								
	Class 1	NC CNM 1201.01-105	NDE-62	VT-1	CS		1.500 / 10.560		B06.050.026
			Reactor Vessel Closure Head Washer.						
C1.B6.50.0027	1RPV-589-33-S6								
	Class 1	NC CNM 1201.01-105	NDE-62	VT-1	CS		1.500 / 10.560		B06.050.027
			Reactor Vessel Closure Head Washer.						

Summary Num	Component ID / Class / System	ISO/DWG Numbers	Procedure / Description / Comments	Insp Req	Material	Sched	Thick/NPS	Cal Blocks	Componenet ID 2
Category B-G-1									
C1.B6.50.0028	1RPV-743-33-28 Class 1 NC	CNM 1201.01-105	NDE-62 Reactor Vessel Closure Head Washer.	VT-1	CS		1.500 / 10.560		B06.050.028
C1.B6.50.0029	1RPV-743-33-29 Class 1 NC	CNM 1201.01-105	NDE-62 Reactor Vessel Closure Head Washer.	VT-1	CS		1.500 / 10.560		B06.050.029
C1.B6.50.0030	1RPV-743-33-30 Class 1 NC	CNM 1201.01-105	NDE-62 Reactor Vessel Closure Head Washer.	VT-1	CS		1.500 / 10.560		B06.050.030
C1.B6.50.0031	1RPV-743-33-31 Class 1 NC	CNM 1201.01-105	NDE-62 Reactor Vessel Closure Head Washer.	VT-1	CS		1.500 / 10.560		B06.050.031
C1.B6.50.0032	1RPV-743-33-32 Class 1 NC	CNM 1201.01-105	NDE-62 Reactor Vessel Closure Head Washer.	VT-1	CS		1.500 / 10.560		B06.050.032
C1.B6.50.0033	1RPV-743-33-33 Class 1 NC	CNM 1201.01-105	NDE-62 Reactor Vessel Closure Head Washer.	VT-1	CS		1.500 / 10.560		B06.050.033
C1.B6.50.0034	1RPV-743-33-34 Class 1 NC	CNM 1201.01-105	NDE-62 Reactor Vessel Closure Head Washer.	VT-1	CS		1.500 / 10.560		B06.050.034

Summary Num	Component ID / Class / System	ISO/DWG Numbers	Procedure	Insp Req	Material	Sched	Thick/NPS	Cal Blocks	Componenet ID 2
			Description / Comments						
Category B-G-1									
C1.B6.50.0035	1RPV-743-33-35								
	Class 1 NC	CNM 1201.01-105	NDE-62	VT-1	CS		1.500 / 10.560		B06.050.035
			Reactor Vessel Closure Head Washer.						
C1.B6.50.0036	1RPV-743-33-36								
	Class 1 NC	CNM 1201.01-105	NDE-62	VT-1	CS		1.500 / 10.560		B06.050.036
			Reactor Vessel Closure Head Washer.						
Category B-G-2									
C1.B7.10.0005	1RPV-CETNA-78								
	Class 1 NC	CNM 1201.01-52 007	NDE-62	VT-1	SS		See Comments		----
			Core Exit Thermocouple Nozzle Assembly (CETNA) #78. Perform VT-1 on Hold Down Nut (Item 5 in Enclosure 13.3 of Procedure MP/1/A/7150/115 and Conoseal Clamp Studs and Nuts Item 8 in Enclosure 13.3 of Procedure MP/1/A/7150/115. For location of CETNA #78, see Core Exit Thermocouple Nozzle Disassembly and Reassembly Procedure MP/1/A/7150/115, Enclosure 13.4. Summary Number C1.B7.10.0005 is rescheduled for EOC18 (Outage 3) in order to meet Examination Category B-G-2 Third Interval, Period 1 and Period #2, Code minimum/maximum percentages.						
C1.B7.50.0008	1NV550-MJ1								
	Class 1 NV	CN-1NV-550 CN-ISIN3-1554-1.5	NDE-62	VT-1	CS		5.750 / 1.000		B07.050.054
			Flange Bolting (4 Studs, 8 Nuts). Examine All Bolting Material.						
C1.B7.50.0009	1NV550-MJ2								
	Class 1 NV	CN-1NV-550 CN-ISIN3-1554-1.5	NDE-62	VT-1	CS		7.250 / 1.000		B07.050.055
			Flange Bolting (8 Studs, 16 Nuts). Examine All Bolting Material.						
C1.B7.70.0002	1NC-27								
	Class 1 NC	CN-1NC-046 CNM 1205.06-41	NDE-62	VT-1	CS		0.000 / 0.880		B07.070.002
			4"x 6" Valve (8 Studs, 8 Nuts). Examine All Studs And Nuts. Inspect Only One Valve In This Group Per Interval.						

Summary Num	Component ID Class / System	ISO/DWG Numbers	Procedure Description Comments	Insp Req	Material	Sched	Thick/NPS	Cal Blocks	Componenet ID 2
Category B-J									
C1.B9.11.0036	1NC33-2 Class 1 NC	CN-1NC-33 CN-ISIN3-1553-1.0	NDE-35 Elbow to Pipe Procedure NDE-600 uses the component for calibration. Procedure PDI-UT-2 may be used in lieu of NDE-600. If PDI-UT-2 is used , then the calibration block listed shall be used.	PT	SS	140	1.000 / 10.000		B09.011.036, B09.011.036A
Circumferential									
C1.B9.11.0036	1NC33-2 Class 1 NC	CN-1NC-33 CN-ISIN3-1553-1.0	PDI-UT-2 Elbow to Pipe Procedure NDE-600 uses the component for calibration. Procedure PDI-UT-2 may be used in lieu of NDE-600. If PDI-UT-2 is used , then the calibration block listed shall be used.	UT	SS	140	1.000 / 10.000	Component PDI-UT-2-C PDI-UT-2A-C	B09.011.036, B09.011.036A
Circumferential									
C1.B9.11.0042	1NC46-2 Class 1 NC	CN-1NC-46 CN-ISIN3-1553-1.1	NDE-35 Pipe to Elbow Procedure NDE-600 uses the component for calibration. Procedure PDI-UT-2 may be used in lieu of NDE-600. If PDI-UT-2 is used , then the calibration block listed shall be used.	PT	SS	160	0.531 / 4.000		B09.011.042, B09.011.042A
Circumferential									
C1.B9.11.0042	1NC46-2 Class 1 NC	CN-1NC-46 CN-ISIN3-1553-1.1	PDI-UT-2 Pipe to Elbow Procedure NDE-600 uses the component for calibration. Procedure PDI-UT-2 may be used in lieu of NDE-600. If PDI-UT-2 is used , then the calibration block listed shall be used.	UT	SS	160	0.531 / 4.000	Component PDI-UT-2-C PDI-UT-2A-C	B09.011.042, B09.011.042A
Circumferential									

Summary Num	Component ID Class / System	ISO/DWG Numbers	Procedure Description Comments	Insp Req	Material	Sched	Thick/NPS	Cal Blocks	Componenet ID 2
Category B-J									
C1.B9.11.0043	1NC46-3 Class 1 NC	CN-1NC-46 CN-ISIN3-1553-1.1	NDE-35	PT	SS	160	0.531 / 4.000		B09.011.043, B09.011.043A
Circumferential			Elbow to Pipe Procedure NDE-600 uses the component for calibration. Procedure PDI-UT-2 may be used in lieu of NDE-600. If PDI-UT-2 is used , then the calibration block listed shall be used.						
C1.B9.11.0043	1NC46-3 Class 1 NC	CN-1NC-46 CN-ISIN3-1553-1.1	PDI-UT-2	UT	SS	160	0.531 / 4.000	Component PDI-UT-2-C PDI-UT-2A-C	B09.011.043, B09.011.043A
Circumferential			Elbow to Pipe Procedure NDE-600 uses the component for calibration. Procedure PDI-UT-2 may be used in lieu of NDE-600. If PDI-UT-2 is used , then the calibration block listed shall be used.						
C1.B9.11.0044	1NC46-11 Class 1 NC	CN-1NC-46 CN-ISIN3-1553-1.1	NDE-35	PT	SS	160	0.531 / 4.000		B09.011.044, B09.011.044A
Circumferential			Elbow to Pipe Procedure NDE-600 uses the component for calibration. Procedure PDI-UT-2 may be used in lieu of NDE-600. If PDI-UT-2 is used , then the calibration block listed shall be used.						
C1.B9.11.0044	1NC46-11 Class 1 NC	CN-1NC-46 CN-ISIN3-1553-1.1	PDI-UT-2	UT	SS	160	0.531 / 4.000	Component PDI-UT-2-C PDI-UT-2A-C	B09.011.044, B09.011.044A
Circumferential			Elbow to Pipe Procedure NDE-600 uses the component for calibration. Procedure PDI-UT-2 may be used in lieu of NDE-600. If PDI-UT-2 is used , then the calibration block listed shall be used.						

Summary Num	Component ID Class / System	ISO/DWG Numbers	Procedure Description Comments	Insp Req	Material	Sched	Thick/NPS	Cal Blocks	Componenet ID 2
Category B-J									
C1.B9.11.0045	1NC46-12 Class 1 NC	CN-1NC-46	NDE-35	PT	SS	160	0.531 / 4.000		B09.011.045, B09.011.045A
Circumferential		CN-ISIN3-1553-1.1							
			Pipe to Elbow Procedure NDE-600 uses the component for calibration. Procedure PDI-UT-2 may be used in lieu of NDE-600. If PDI-UT-2 is used , then the calibration block listed shall be used.						
C1.B9.11.0045	1NC46-12 Class 1 NC	CN-1NC-46 CN-ISIN3-1553-1.1	PDI-UT-2	UT	SS	160	0.531 / 4.000	Component PDI-UT-2-C PDI-UT-2A-C	B09.011.045, B09.011.045A
Circumferential									
			Pipe to Elbow Procedure NDE-600 uses the component for calibration. Procedure PDI-UT-2 may be used in lieu of NDE-600. If PDI-UT-2 is used , then the calibration block listed shall be used.						
C1.B9.11.0057	1NC173-3 Class 1 NC	CN-1NC-173	NDE-35	PT	SS	160	0.719 / 6.000		B09.011.057, B09.011.057A
Circumferential		CN-ISIN3-1553-1.1							
			Pipe to Elbow Procedure NDE-600 uses the component for calibration. Procedure PDI-UT-2 may be used in lieu of NDE-600. If PDI-UT-2 is used , then the calibration block listed shall be used.						
C1.B9.11.0057	1NC173-3 Class 1 NC	CN-1NC-173 CN-ISIN3-1553-1.1	PDI-UT-2	UT	SS	160	0.719 / 6.000	Component PDI-UT-2-C PDI-UT-2A-C	B09.011.057, B09.011.057A
Circumferential									
			Pipe to Elbow Procedure NDE-600 uses the component for calibration. Procedure PDI-UT-2 may be used in lieu of NDE-600. If PDI-UT-2 is used , then the calibration block listed shall be used.						

Summary Num	Component ID Class / System	ISO/DWG Numbers	Procedure Description Comments	Insp Req	Material	Sched	Thick/NPS	Cal Blocks	Componenet ID 2
Category B-J									
C1.B9.11.0058	1NC173-4								
	Class 1 NC	CN-1NC-173	NDE-35	PT	SS	160	0.719 / 6.000		B09.011.058, B09.011.058A
Circumferential		CN-ISIN3-1553-1.1							
			Elbow to Elbow Procedure NDE-600 uses the component for calibration. Procedure PDI-UT-2 may be used in lieu of NDE-600. If PDI-UT-2 is used , then the calibration block listed shall be used.						
C1.B9.11.0058	1NC173-4								
	Class 1 NC	CN-1NC-173 CN-ISIN3-1553-1.1	PDI-UT-2	UT	SS	160	0.719 / 6.000	Component PDI-UT-2-C PDI-UT-2A-C	B09.011.058, B09.011.058A
Circumferential									
			Elbow to Elbow Procedure NDE-600 uses the component for calibration. Procedure PDI-UT-2 may be used in lieu of NDE-600. If PDI-UT-2 is used , then the calibration block listed shall be used.						
C1.B9.11.0059	1NC173-5								
	Class 1 NC	CN-1NC-173	NDE-35	PT	SS	160	0.719 / 6.000		B09.011.059, B09.011.059A
Circumferential		CN-ISIN3-1553-1.1							
			Elbow to Pipe Procedure NDE-600 uses the component for calibration. Procedure PDI-UT-2 may be used in lieu of NDE-600. If PDI-UT-2 is used , then the calibration block listed shall be used.						
C1.B9.11.0059	1NC173-5								
	Class 1 NC	CN-1NC-173 CN-ISIN3-1553-1.1	PDI-UT-2	UT	SS	160	0.719 / 6.000	Component PDI-UT-2-C PDI-UT-2A-C	B09.011.059, B09.011.059A
Circumferential									
			Elbow to Pipe Procedure NDE-600 uses the component for calibration. Procedure PDI-UT-2 may be used in lieu of NDE-600. If PDI-UT-2 is used , then the calibration block listed shall be used.						

Summary Num	Component ID Class / System	ISO/DWG Numbers	Procedure Description Comments	Insp Req	Material	Sched	Thick/NPS	Cal Blocks	Componenet ID 2
Category B-J									
C1.B9.11.0060	1NC173-6								
	Class 1 NC	CN-1NC-173	NDE-35	PT	SS	160	0.719 / 6.000		B09.011.060, B09.011.060A
Circumferential		CN-ISIN3-1553-1.1							
			Pipe to Tee						
			Procedure NDE-600 uses the component for calibration. Procedure PDI-UT-2 may be used in lieu of NDE-600. If PDI-UT-2 is used , then the calibration block listed shall be used.						
C1.B9.11.0060	1NC173-6								
	Class 1 NC	CN-1NC-173 CN-ISIN3-1553-1.1	PDI-UT-2	UT	SS	160	0.719 / 6.000	Component PDI-UT-2-C PDI-UT-2A-C	B09.011.060, B09.011.060A
Circumferential									
			Pipe to Tee						
			Procedure NDE-600 uses the component for calibration. Procedure PDI-UT-2 may be used in lieu of NDE-600. If PDI-UT-2 is used , then the calibration block listed shall be used.						
C1.B9.11.0071	1NI9-4								
	Class 1 NI	CN-1NI-9 CN-ISIN3-1562-1.3	PDI-UT-2	UT	SS	160	0.719 / 6.000	PDI-UT-2-C PDI-UT-2A-C	B09.011.151, B09.011.151A
Circumferential									
			Pipe to Elbow						
			Procedure NDE-600 uses the component for calibration. Procedure PDI-UT-2 may be used in lieu of NDE-600. If PDI-UT-2 is used , then the calibration block listed shall be used. Examined 1EOC18 (Outage #3) as an additional sample weld examination to meet the requirements of IWB-2430 (a).						
C1.B9.11.0072	1NI9-7								
	Class 1 NI	CN-1NI-9 CN-ISIN3-1562-1.3	PDI-UT-2	UT	SS	160	0.719 / 6.000	PDI-UT-2-C PDI-UT-2A-C	B09.011.152, B09.011.152A
Circumferential									
			Pipe to Elbow						
			Procedure NDE-600 uses the component for calibration. Procedure PDI-UT-2 may be used in lieu of NDE-600. If PDI-UT-2 is used , then the calibration block listed shall be used. Examined 1EOC18 (Outage #3) as an additional sample weld examination to meet the requirements of IWB-2430 (a).						

Summary Num	Component ID Class / System	ISO/DWG Numbers	Procedure Description Comments	Insp Req	Material	Sched	Thick/NPS	Cal Blocks	Componenet ID 2
Category B-J									
C1.B9.11.0073	1NI9-8 Class 1 NI	CN-1NI-9 CN-ISIN3-1562-1.3	PDI-UT-2	UT	SS	160	0.719 / 6.000	PDI-UT-2-C PDI-UT-2A-C	B09.011.153, B09.011.153A
Circumferential			Elbow to Pipe Procedure NDE-600 uses the component for calibration. Procedure PDI-UT-2 may be used in lieu of NDE-600. If PDI-UT-2 is used , then the calibration block listed shall be used. Examined 1EOC18 (Outage #3) as an additional sample weld examination to meet the requirements of IWB-2430 (a).						
C1.B9.11.0074	1NI9-9 Class 1 NI	CN-1NI-9 CN-ISIN3-1562-1.3	PDI-UT-2	UT	SS	160	0.719 / 6.000	PDI-UT-2-C PDI-UT-2A-C	B09.011.154, B09.011.154A
Circumferential			Pipe to Elbow Procedure NDE-600 uses the component for calibration. Procedure PDI-UT-2 may be used in lieu of NDE-600. If PDI-UT-2 is used , then the calibration block listed shall be used. Examined 1EOC18 (Outage #3) as an additional sample weld examination to meet the requirements of IWB-2430 (a).						
C1.B9.11.0076	1NI32-3 Class 1 NI	CN-1NI-32 CN-ISIN3-1562-1.2	PDI-UT-2	UT	SS	160	0.906 / 8.000	PDI-UT-2-C PDI-UT-2A-C	B09.011.156, B09.011.156A
Circumferential			Elbow to Pipe Procedure NDE-600 uses the component for calibration. Procedure PDI-UT-2 may be used in lieu of NDE-600. If PDI-UT-2 is used , then the calibration block listed shall be used. Examined 1EOC18 (Outage #3) as an additional sample weld examination to meet the requirements of IWB-2430 (a).						

Summary Num	Component ID Class / System	ISO/DWG Numbers	Procedure Description Comments	Insp Req	Material	Sched	Thick/NPS	Cal Blocks	Componenet ID 2
Category B-J									
C1.B9.11.0077	1NI32-4 Class 1 NI	CN-1NI-32 CN-ISIN3-1562-1.2	PDI-UT-2	UT	SS	160	0.906 / 8.000	PDI-UT-2-C PDI-UT-2A-C	B09.011.157, B09.011.157A
Circumferential			Pipe to Elbow Procedure NDE-600 uses the component for calibration. Procedure PDI-UT-2 may be used in lieu of NDE-600. If PDI-UT-2 is used , then the calibration block listed shall be used. Examined 1EOC18 (Outage #3) as an additional sample weld examination to meet the requirements of IWB-2430 (a).						
C1.B9.11.0078	1NI32-5 Class 1 NI	CN-1NI-32 CN-ISIN3-1562-1.2	PDI-UT-2	UT	SS	160	0.906 / 8.000	PDI-UT-2-C PDI-UT-2A-C	B09.011.158, B09.011.158A
Circumferential			Elbow to Pipe Procedure NDE-600 uses the component for calibration. Procedure PDI-UT-2 may be used in lieu of NDE-600. If PDI-UT-2 is used , then the calibration block listed shall be used. Examined 1EOC18 (Outage #3) as an additional sample weld examination to meet the requirements of IWB-2430 (a).						
C1.B9.11.0079	1NI148-3 Class 1 NI	CN-1NI-148 CN-ISIN3-1562-1.1	PDI-UT-2	UT	SS	160	0.719 / 6.000	PDI-UT-2-C PDI-UT-2A-C	B09.011.159, B09.011.159A
Circumferential			Pipe to Elbow Procedure NDE-600 uses the component for calibration. Procedure PDI-UT-2 may be used in lieu of NDE-600. If PDI-UT-2 is used , then the calibration block listed shall be used. Examined 1EOC18 (Outage #3) as an additional sample weld examination to meet the requirements of IWB-2430 (a).						

Summary Num	Component ID Class / System	ISO/DWG Numbers	Procedure Description Comments	Insp Req	Material	Sched	Thick/NPS	Cal Blocks	Componenet ID 2
Category B-J									
C1.B9.11.0080	1NI148-4 Class 1 NI	CN-1NI-148 CN-ISIN3-1562-1.1	PDI-UT-2	UT	SS	160	0.719 / 6.000	PDI-UT-2-C PDI-UT-2A-C	B09.011.160, B09.011.160A
Circumferential			Elbow to Pipe Procedure NDE-600 uses the component for calibration. Procedure PDI-UT-2 may be used in lieu of NDE-600. If PDI-UT-2 is used , then the calibration block listed shall be used. Examined 1EOC18 (Outage #3) as an additional sample weld examination to meet the requirements of IWB-2430 (a).						
C1.B9.11.0086	1NI149-4 Class 1 NI	CN-1NI-149 CN-ISIN3-1562-1.1	PDI-UT-2	UT	SS	140	1.000 / 10.000	PDI-UT-2-C PDI-UT-2A-C	B09.011.166, B09.011.166A
Circumferential			Elbow to Pipe Procedure NDE-600 uses the component for calibration. Procedure PDI-UT-2 may be used in lieu of NDE-600. If PDI-UT-2 is used , then the calibration block listed shall be used. Examined 1EOC18 (Outage #3) as an additional sample weld examination to meet the requirements of IWB-2430 (a).						
C1.B9.11.0087	1NI149-6 Class 1 NI	CN-1NI-149 CN-ISIN3-1562-1.1	PDI-UT-2	UT	SS	140	1.000 / 10.000	PDI-UT-2-C PDI-UT-2A-C	B09.011.167, B09.011.167A
Circumferential			Elbow to Pipe Procedure NDE-600 uses the component for calibration. Procedure PDI-UT-2 may be used in lieu of NDE-600. If PDI-UT-2 is used , then the calibration block listed shall be used. Examined 1EOC18 (Outage #3) as an additional sample weld examination to meet the requirements of IWB-2430 (a).						

Summary Num	Component ID Class / System	ISO/DWG Numbers	Procedure Description Comments	Insp Req	Material	Sched	Thick/NPS	Cal Blocks	Componenet ID 2
Category B-J									
C1.B9.11.0088	1NI149-7 Class 1 NI	CN-1NI-149 CN-ISIN3-1562-1.1	PDI-UT-2	UT	SS	140	1.000 / 10.000	PDI-UT-2-C PDI-UT-2A-C	B09.011.168, B09.011.168A
Circumferential			Pipe to Elbow Procedure NDE-600 uses the component for calibration. Procedure PDI-UT-2 may be used in lieu of NDE-600. If PDI-UT-2 is used , then the calibration block listed shall be used. Examined 1EOC18 (Outage #3) as an additional sample weld examination to meet the requirements of IWB-2430 (a).						
C1.B9.11.0089	1NI149-8 Class 1 NI	CN-1NI-149 CN-ISIN3-1562-1.1	PDI-UT-2	UT	SS	140	1.000 / 10.000	PDI-UT-2-C PDI-UT-2A-C	B09.011.169, B09.011.169A
Circumferential			Elbow to Pipe Procedure NDE-600 uses the component for calibration. Procedure PDI-UT-2 may be used in lieu of NDE-600. If PDI-UT-2 is used , then the calibration block listed shall be used. Examined 1EOC18 (Outage #3) as an additional sample weld examination to meet the requirements of IWB-2430 (a).						
C1.B9.11.0090	1NI152-2 Class 1 NI	CN-1NI-152 CN-ISIN3-1562-1.1	NDE-600	UT	SS	160	0.719 / 6.000	Component	B09.011.170, B09.011.170A
Circumferential			Elbow to Pipe Procedure NDE-600 uses the component for calibration. Procedure PDI-UT-2 may be used in lieu of NDE-600. If PDI-UT-2 is used , then the calibration block listed shall be used. Examined 1EOC18 (Outage #3) as an additional sample weld examination to meet the requirements of IWB-2430 (a).						
C1.B9.11.0091	1NI152-3 Class 1 NI	CN-1NI-152 CN-ISIN3-1562-1.1	NDE-600	UT	SS	160	0.719 / 6.000	Component	B09.011.171, B09.011.171A
Circumferential			Pipe to Elbow Procedure NDE-600 uses the component for calibration. Procedure PDI-UT-2 may be used in lieu of NDE-600. If PDI-UT-2 is used , then the calibration block listed shall be used. Examined 1EOC18 (Outage #3) as an additional sample weld examination to meet the requirements of IWB-2430 (a).						

Summary Num	Component ID Class / System	ISO/DWG Numbers	Procedure Description Comments	Insp Req	Material	Sched	Thick/NPS	Cal Blocks	Componenet ID 2
Category B-J									
C1.B9.11.0092	1NI152-17								
	Class 1 NI	CN-1NI-152	NDE-600	UT	SS	160	0.719 / 6.000	Component	B09.011.172, B09.011.172A
Circumferential		CN-ISIN3-1562-1.1							
			Pipe to Elbow						
			Procedure NDE-600 uses the component for calibration. Procedure PDI-UT-2 may be used in lieu of NDE-600. If PDI-UT-2 is used , then the calibration block listed shall be used. Examined 1EOC18 (Outage #3) as an additional sample weld examination to meet the requirements of IWB-2430 (a).						
C1.B9.11.0093	1NI152-18								
	Class 1 NI	CN-1NI-152	NDE-600	UT	SS	160	0.719 / 6.000	Component	B09.011.173, B09.011.173A
Circumferential		CN-ISIN3-1562-1.1							
			Pipe to Pipe						
			Procedure NDE-600 uses the component for calibration. Procedure PDI-UT-2 may be used in lieu of NDE-600. If PDI-UT-2 is used , then the calibration block listed shall be used. Examined 1EOC18 (Outage #3) as an additional sample weld examination to meet the requirements of IWB-2430 (a).						
C1.B9.11.0094	1NI153-2								
	Class 1 NI	CN-1NI-153 CN-ISIN3-1562-1.1	PDI-UT-2	UT	SS	140	1.000 / 10.000	PDI-UT-2-C PDI-UT-2A-C	B09.011.174, B09.011.174A
Circumferential									
			Pipe to Elbow						
			Procedure NDE-600 uses the component for calibration. Procedure PDI-UT-2 may be used in lieu of NDE-600. If PDI-UT-2 is used , then the calibration block listed shall be used. Examined 1EOC18 (Outage #3) as an additional sample weld examination to meet the requirements of IWB-2430 (a).						
C1.B9.11.0095	1NI153-6								
	Class 1 NI	CN-1NI-153 CN-ISIN3-1562-1.1	PDI-UT-2	UT	SS	140	1.000 / 10.000	PDI-UT-2-C PDI-UT-2A-C	B09.011.175, B09.011.175A
Circumferential									
			Pipe to Pipe						
			Procedure NDE-600 uses the component for calibration. Procedure PDI-UT-2 may be used in lieu of NDE-600. If PDI-UT-2 is used , then the calibration block listed shall be used. Examined 1EOC18 (Outage #3) as an additional sample weld examination to meet the requirements of IWB-2430 (a).						

Summary Num	Component ID Class / System	ISO/DWG Numbers	Procedure Description Comments	Insp Req	Material	Sched	Thick/NPS	Cal Blocks	Componenet ID 2
Category B-J									
C1.B9.11.0100	1NI163-3 Class 1 NI	CN-1NI-163 CN-ISIN3-1562-1.1	PDI-UT-2	UT	SS	140	1.000 / 10.000	PDI-UT-2-C PDI-UT-2A-C	B09.011.180, B09.011.180A
Circumferential			Pipe to Elbow Procedure NDE-600 uses the component for calibration. Procedure PDI-UT-2 may be used in lieu of NDE-600. If PDI-UT-2 is used , then the calibration block listed shall be used. Examined 1EOC18 (Outage #3) as an additional sample weld examination to meet the requirements of IWB-2430 (a).						
C1.B9.11.0101	1NI163-4 Class 1 NI	CN-1NI-163 CN-ISIN3-1562-1.1	PDI-UT-2	UT	SS	140	1.000 / 10.000	PDI-UT-2-C PDI-UT-2A-C	B09.011.181, B09.011.181A
Circumferential			Elbow to Pipe Procedure NDE-600 uses the component for calibration. Procedure PDI-UT-2 may be used in lieu of NDE-600. If PDI-UT-2 is used , then the calibration block listed shall be used. Examined 1EOC18 (Outage #3) as an additional sample weld examination to meet the requirements of IWB-2430 (a).						
C1.B9.11.0102	1NI166-9 Class 1 NI	CN-1NI-166 CN-ISIN3-1562-1.1	PDI-UT-2	UT	SS	160	0.719 / 6.000	PDI-UT-2-C PDI-UT-2A-C	B09.011.182, B09.011.182A
Circumferential			Pipe to Elbow Procedure NDE-600 uses the component for calibration. Procedure PDI-UT-2 may be used in lieu of NDE-600. If PDI-UT-2 is used , then the calibration block listed shall be used. Examined 1EOC18 (Outage #3) as an additional sample weld examination to meet the requirements of IWB-2430 (a).						

Summary Num	Component ID Class / System	ISO/DWG Numbers	Procedure Description Comments	Insp Req	Material	Sched	Thick/NPS	Cal Blocks	Componenet ID 2
Category B-J									
C1.B9.11.0103	1NI166-10 Class 1 NI	CN-1NI-166 CN-ISIN3-1562-1.1	PDI-UT-2	UT	SS	160	0.719 / 6.000	PDI-UT-2-C PDI-UT-2A-C	B09.011.183, B09.011.183A
Circumferential			Elbow to Pipe Procedure NDE-600 uses the component for calibration. Procedure PDI-UT-2 may be used in lieu of NDE-600. If PDI-UT-2 is used , then the calibration block listed shall be used. Examined 1EOC18 (Outage #3) as an additional sample weld examination to meet the requirements of IWB-2430 (a).						
C1.B9.11.0104	1NI166-15 Class 1 NI	CN-1NI-166 CN-ISIN3-1562-1.1	PDI-UT-2	UT	SS	160	0.719 / 6.000	PDI-UT-2-C PDI-UT-2A-C	B09.011.184, B09.011.184A
Circumferential			Pipe to Pipe Procedure NDE-600 uses the component for calibration. Procedure PDI-UT-2 may be used in lieu of NDE-600. If PDI-UT-2 is used , then the calibration block listed shall be used. Examined 1EOC18 (Outage #3) as an additional sample weld examination to meet the requirements of IWB-2430 (a).						
C1.B9.11.0105	1NI235-42 Class 1 NI	CN-1NI-235 CN-ISIN3-1562-1.2	NDE-35	PT	SS	160	0.531 / 4.000		B09.011.185, B09.011.185A
Circumferential			Reducer to Pipe Procedure NDE-600 uses the component for calibration. Procedure PDI-UT-2 may be used in lieu of NDE-600. If PDI-UT-2 is used , then the calibration block listed shall be used.						
C1.B9.11.0105	1NI235-42 Class 1 NI	CN-1NI-235 CN-ISIN3-1562-1.2	PDI-UT-2	UT	SS	160	0.531 / 4.000	Component PDI-UT-2-C PDI-UT-2A-C	B09.011.185, B09.011.185A
Circumferential			Reducer to Pipe Procedure NDE-600 uses the component for calibration. Procedure PDI-UT-2 may be used in lieu of NDE-600. If PDI-UT-2 is used , then the calibration block listed shall be used.						

Summary Num	Component ID Class / System	ISO/DWG Numbers	Procedure Description Comments	Insp Req	Material	Sched	Thick/NPS	Cal Blocks	Componenet ID 2
Category B-J									
C1.B9.11.0107	1NI237-2 Class 1 NI	CN-1NI-237 CN-ISIN3-1562-1.2	PDI-UT-2	UT	SS	160	0.906 / 8.000	PDI-UT-2-C PDI-UT-2A-C	B09.011.187, B09.011.187A
Circumferential			Elbow to Pipe Procedure NDE-600 uses the component for calibration. Procedure PDI-UT-2 may be used in lieu of NDE-600. If PDI-UT-2 is used , then the calibration block listed shall be used. Examined 1EOC18 (Outage #3) as an additional sample weld examination to meet the requirements of IWB-2430 (a).						
C1.B9.11.0108	1NI237-6 Class 1 NI	CN-1NI-237 CN-ISIN3-1562-1.2	PDI-UT-2	UT	SS	160	0.906 / 8.000	PDI-UT-2-C PDI-UT-2A-C	B09.011.188, B09.011.188A
Circumferential			Elbow to Pipe Procedure NDE-600 uses the component for calibration. Procedure PDI-UT-2 may be used in lieu of NDE-600. If PDI-UT-2 is used , then the calibration block listed shall be used. Examined 1EOC18 (Outage #3) as an additional sample weld examination to meet the requirements of IWB-2430 (a).						
C1.B9.11.0109	1NI237-7 Class 1 NI	CN-1NI-237 CN-ISIN3-1562-1.2	PDI-UT-2	UT	SS	160	0.906 / 8.000	PDI-UT-2-C PDI-UT-2A-C	B09.011.189, B09.011.189A
Circumferential			Pipe to Elbow Procedure NDE-600 uses the component for calibration. Procedure PDI-UT-2 may be used in lieu of NDE-600. If PDI-UT-2 is used , then the calibration block listed shall be used. Examined 1EOC18 (Outage #3) as an additional sample weld examination to meet the requirements of IWB-2430 (a).						

Summary Num	Component ID Class / System	ISO/DWG Numbers	Procedure Description Comments	Insp Req	Material	Sched	Thick/NPS	Cal Blocks	Componenet ID 2
Category B-J									
C1.B9.11.0110	1NI237-9								
	Class 1 NI	CN-1NI-237	NDE-600	UT	SS	160	0.906 / 8.000	Component	B09.011.190, B09.011.190A
Circumferential		CN-ISIN3-1562-1.2							
			Pipe to Reducer						
			Procedure NDE-600 uses the component for calibration. Procedure PDI-UT-2 may be used in lieu of NDE-600. If PDI-UT-2 is used , then the calibration block listed shall be used. Examined 1EOC18 (Outage #3) as an additional sample weld examination to meet the requirements of IWB-2430 (a).						
C1.B9.11.0112	1NI240-8								
	Class 1 NI	CN-1NI-240 CN-ISIN3-1562-1.2	PDI-UT-2	UT	SS	160	0.906 / 8.000	PDI-UT-2-C PDI-UT-2A-C	B09.011.192, B09.011.192A
Circumferential									
			Pipe to Elbow						
			Procedure NDE-600 uses the component for calibration. Procedure PDI-UT-2 may be used in lieu of NDE-600. If PDI-UT-2 is used , then the calibration block listed shall be used. Examined 1EOC18 (Outage #3) as an additional sample weld examination to meet the requirements of IWB-2430 (a).						
C1.B9.11.0113	1NI240-10								
	Class 1 NI	CN-1NI-240 CN-ISIN3-1562-1.2	PDI-UT-2	UT	SS	160	0.906 / 8.000	PDI-UT-2-C PDI-UT-2A-C	B09.011.193, B09.011.193A
Circumferential									
			Pipe to Elbow						
			Procedure NDE-600 uses the component for calibration. Procedure PDI-UT-2 may be used in lieu of NDE-600. If PDI-UT-2 is used , then the calibration block listed shall be used. Examined 1EOC18 (Outage #3) as an additional sample weld examination to meet the requirements of IWB-2430 (a).						

Summary Num	Component ID Class / System	ISO/DWG Numbers	Procedure Description Comments	Insp Req	Material	Sched	Thick/NPS	Cal Blocks	Componenet ID 2
Category B-J									
C1.B9.11.0114	1NI240-11 Class 1 NI	CN-1NI-240 CN-ISIN3-1562-1.2	PDI-UT-2	UT	SS	160	0.906 / 8.000	PDI-UT-2-C PDI-UT-2A-C	B09.011.194, B09.011.194A
Circumferential			Elbow to Pipe Procedure NDE-600 uses the component for calibration. Procedure PDI-UT-2 may be used in lieu of NDE-600. If PDI-UT-2 is used , then the calibration block listed shall be used. Examined 1EOC18 (Outage #3) as an additional sample weld examination to meet the requirements of IWB-2430 (a).						
C1.B9.11.0115	1NI241-4 Class 1 NI	CN-1NI-241 CN-ISIN3-1562-1.2	PDI-UT-2	UT	SS	160	0.906 / 8.000	PDI-UT-2-C PDI-UT-2A-C	B09.011.195, B09.011.195A
Circumferential			Elbow to Pipe Procedure NDE-600 uses the component for calibration. Procedure PDI-UT-2 may be used in lieu of NDE-600. If PDI-UT-2 is used , then the calibration block listed shall be used. Examined 1EOC18 (Outage #3) as an additional sample weld examination to meet the requirements of IWB-2430 (a).						
C1.B9.11.0116	1NI241-6 Class 1 NI	CN-1NI-241 CN-ISIN3-1562-1.2	PDI-UT-2	UT	SS	160	0.906 / 8.000	PDI-UT-2-C PDI-UT-2A-C	B09.011.196, B09.011.196A
Circumferential			Elbow to Pipe Procedure NDE-600 uses the component for calibration. Procedure PDI-UT-2 may be used in lieu of NDE-600. If PDI-UT-2 is used , then the calibration block listed shall be used. Examined 1EOC18 (Outage #3) as an additional sample weld examination to meet the requirements of IWB-2430 (a).						

Summary Num	Component ID Class / System	ISO/DWG Numbers	Procedure Description Comments	Insp Req	Material	Sched	Thick/NPS	Cal Blocks	Componenet ID 2
Category B-J									
C1.B9.11.0117	1NI241-8								
	Class 1 NI	CN-1NI-241 CN-ISIN3-1562-1.2	PDI-UT-2	UT	SS	160	0.906 / 8.000	PDI-UT-2-C PDI-UT-2A-C	B09.011.197, B09.011.197A
Circumferential									
			Elbow to Pipe Procedure NDE-600 uses the component for calibration. Procedure PDI-UT-2 may be used in lieu of NDE-600. If PDI-UT-2 is used , then the calibration block listed shall be used. Examined 1EOC18 (Outage #3) as an additional sample weld examination to meet the requirements of IWB-2430 (a).						
C1.B9.11.0213	1NI241-9								
	Class 1 NI	CN-1NI-241 CN-ISIN3-1562-1.2	NDE-600	UT			0.906 / 8.000	Component	B09.011.
Circumferential									
			Examined 1EOC18 (Outage #3) as an additional sample weld examination to meet the requirements of IWB-2430 (a).						
C1.B9.11.0380	1NI236-52								
	Class 1 NI	CN-1NI-236 CN-ISIN3-1562-1.2	PDI-UT-2	UT			0.531 / 4.000	PDI-UT-2-C PDI-UT-2A-C	B09.011.
Circumferential									
			Examined 1EOC18 (Outage #3) as an additional sample weld examination to meet the requirements of IWB-2430 (a).						
C1.B9.21.0028	1NI235-3								
	Class 1 NI	CN-1NI-235 CN-ISIN3-1562-1.2	NDE-35	PT	SS	160	0.344 / 2.000		B09.021.051
Circumferential									
			Reducer to Pipe						
C1.B9.21.0033	1NV487-RCP1A-1								
	Class 1 NV	CN-1NV-487 CNM 1201.01-151	NDE-35	PT	SS	80	0.200 / 1.500		B09.021.105
Circumferential									
			Pipe to Flange Pipe to RCP1A Weld Neck Flange.						

Summary Num	Component ID / Class / System	ISO/DWG Numbers	Procedure / Description / Comments	Insp Req	Material	Sched	Thick/NPS	Cal Blocks	Componenet ID 2
Category B-M-2									
C1.B12.50.0018	1NI-82 Class 1 NI	CN-1NI-148 CNM 1205.00-62	NDE-64	VT-3	SS		1.000 / 10.000		B12.050.005F
			10" Westinghouse Check Valve. Inspect One Of The Following Valves: 1NI-59, 1NI-60, 1NI-70, 1NI-71, 1NI-81, 1NI-82, 1NI-93 Or 1NI-94. Inspect Only If Disassembled For Maintenance, Repair, Or Volumetric Examination.						
C1.B12.50.0028	1NI-175 Class 1 NI	CN-1NI-147 CNM 1205.00-63	NDE-64	VT-3	SS		0.719 / 6.000		B12.050.007E
			6" Westinghouse Check Valve. Inspect One Of The Following Valves: 1NI-126, 1NI-134, 1NI-157, 1NI-160, 1NI-175, 1NI-176, 1NI-180 Or 1NI-181. Inspect Only If Disassembled For Maintenance, Repair, Or Volumetric Examination.						
Category C-A									
C1.C1.10.0001 Circumferential	1BRHRHX-5-9 Class 2 ND	CN-ISIN3-1561-1.1 CNM 1201.06-38	NDE 68	VT-2	SS		0.875 / 44.000		C01.010.001
			Shell to Flange Residual Heat Removal Heat Exchanger 1B Shell Pc.5 to Flange Pc.9. Code Case N-706 has been incorporated for use during the Third Interval which allows an alternative exam (VT-2) for this weld. The Residual Heat Removal Heat Exchanger 1B is inside the Class 2 Pressure Test Boundary and will receive a VT-2 exam once each period. For additional information, reference PIP#G-08-00480 and File No. CN-1212.03 (Record Retention Code # 000252) If evidence of leakage is detected for this item during system leakage test, the NDE Plan Manager will be notified of leakage so evaluation can be performed. Use of this code case shall be discontinued for the heat exchangerand others of the same design or configuration if leakage has been detected. This exam will be performed under the Pressure Test Program. Reference Drawing Number CN-ISIL3-1561-1.1 and Plan Addendum C1-PT-036. A VT-2 visual exam will be performed for this weld.						
C1.C1.10.0004 Circumferential	1BNSHX-50-51A Class 2 NS	CN-ISIN3-1563-1.0 CNM 1201.06-0105	NDE-3630	UT	SS		0.525 / 0.000	50420 50380	C01.010.004
			Shell to Shell Containment Spray Heat Exchanger 1B Shell Cylinder Pc.50 to Shell Cylinder Pc.51A.						

Summary Num	Component ID Class / System	ISO/DWG Numbers	Procedure Description Comments	Insp Req	Material	Sched	Thick/NPS	Cal Blocks	Componenet ID 2
Category C-A									
C1.C1.10.0006	1ARHRHX-5-9								
	Class 2 ND	CN-ISIN3-1561-1.0	NDE 68	VT-2			0.875 / 44.000		C01.010
Circumferential		CNM 1201.06-38							
			Residual Heat Removal Heat Exchanger 1A Shell Pc.5 to Flange Pc.9. Code Case N-706 has been incorporated for use during the Third Interval which allows an alternative exam (VT-2) for this weld. The Residual Heat Removal Heat Exchanger 1A is inside the Class 2 Pressure Test Boundary and will receive a VT-2 exam once each period. For additional information, reference PIP#G-08-00480 and File No. CN-1212.03 (Record Retention Code # 000252) If evidence of leakage is detected for this item during system leakage test, the NDE Plan Manager will be notified of leakage so evaluation can be performed. Use of this code case shall be discontinued for the heat exchangerand others of the same design or configuration if leakage has been detected. This exam will be performed under the Pressure Test Program. Reference Drawing Number CN-ISIL3-1561-1.0 and Plan Addendum C1-PT-036. A VT-2 visual exam will be performed for this weld.						
C1.C1.20.0001	1ARHRHX-5-6								
	Class 2 ND	CN-ISIN3-1561-1.0	NDE 68	VT-2	SS		0.770 / 44.000		C01.020.001
Circumferential		CNM 1201.06-83							
			Shell to Head Residual Heat Removal Heat Exchanger 1A Shell Pc.5 to Lower Head Pc.6. Code Case N-706 has been incorporated for use during the Third Interval which allows an alternative exam (VT-2) for this weld. The Residual Heat Removal Heat Exchanger 1A Shell Pc. 5 to Lower Head Pc. 6 is inside the Class 2 Pressure Test Boundary and will receive a VT-2 exam once each period. For additional information, reference PIP#G-08-00480 and File No. CN-1212.03 (Record Retention Code # 000252) If evidence of leakage is detected for this item during system leakage test, the NDE Plan Manager will be notified of leakage so evaluation can be performed. Use of this code case shall be discontinued for the heat exchangerand others of the same design or configuration if leakage has been detected. This exam will be performed under the Pressure Test Program. Reference Drawing Number CN-ISIL3-1561-1.0 and Plan Addendum C1-PT-036. A VT-2 visual exam will be performed for this weld.						

Summary Num	Component ID / Class / System	ISO/DWG Numbers	Procedure / Description / Comments	Insp Req	Material	Sched	Thick/NPS	Cal Blocks	Componenet ID 2
Category C-A									
C1.C1.20.0004	1REGHX-SH1-HD1								
	Class 2 NV	CN-ISIN3-1554-1.0	NDE 68	VT-2	SS		1.070 / 10.900		C01.020.004
Circumferential		CNM 1201.06-31							
		CNM 1201.06-83							
			Shell to Head						
			Regenerative Heat Exchanger (Shell 1). Shell(1) Pc.3 to Head(1) PC.5.						
			Code Case N-706 has been incorporated for use during the Third Interval which allows an alternative exam (VT-2) for this weld. The Regenerative Heat Exchanger (Shell 1). Shell(1) Pc.3 to Head(1) PC.5. is inside the Class 2 Pressure Test Boundary and will receive a VT-2 exam once each period. For additional information, reference PIP#G-08-00480 and File No. CN-1212.03 (Record Retention Code # 000252)						
			If evidence of leakage is detected for this item during system leakage test, the NDE Plan Manager will be notified of leakage so evaluation can be performed. Use of this code case shall be discontinued for the heat exchangerand others of the same design or configuration if leakage has been detected.						
			This exam will be performed under the Pressure test Program. Reference Drawing Number CN-ISIL3-1554-1.0 and Plan Addendum C1-PT-036. A VT-2 visual exam will be performed for this weld.						
C1.C1.20.0005	1REGHX-SH1-HD2								
	Class 2 NV	CN-ISIN3-1554-1.0	NDE 68	VT-2	SS		1.070 / 10.900		C01.020.005
Circumferential		CNM 1201.06-31							
		CNM 1201.06-83							
			Shell to Head						
			Regenerative Heat Exchanger (Shell 1). Shell(1) Pc.2 to Head(2) Pc.5.						
			Code Case N-706 has been incorporated for use during the Third Interval which allows an alternative exam (VT-2) for this weld. The Regenerative Heat Exchanger (Shell 1). Shell(1) Pc.2 to Head(2) Pc.5. is inside the Class 2 Pressure Test Boundary and will receive a VT-2 exam once each period. For additional information, reference PIP#G-08-00480 and File No. CN-1212.03 (Record Retention Code # 000252)						
			If evidence of leakage is detected for this item during system leakage test, the NDE Plan Manager will be notified of leakage so evaluation can be performed. Use of this code case shall be discontinued for the heat exchangerand others of the same design or configuration if leakage has been detected.						
			This exam will be performed under the Pressure Test Program. Reference Drawing Number CN-ISIL3-1554-1.0 and Plan Addendum C1-PT-036. A VT-2 visual exam will be performed for this weld..						

Summary Num	Component ID Class / System	ISO/DWG Numbers	Procedure Description Comments	Insp Req	Material	Sched	Thick/NPS	Cal Blocks	Componenet ID 2
Category C-A									
C1.C1.20.0006	1REGHX-SH2-HD1								
	Class 2 NV	CN-ISIN3-1554-1.0	NDE 68	VT-2	SS		1.070 / 10.900		C01.020.006
Circumferential		CNM 1201.06-31 CNM 1201.06-83							
			Shell to Head Regenerative Heat Exchanger (Shell 2). Shell(2) Pc.3 to Head(1) Pc.5. Code Case N-706 has been incorporated for use during the Third Interval which allows an alternative exam (VT-2) for this weld. The Regenerative Heat Exchanger (Shell 2). Shell(2) Pc.3 to Head(1) Pc.5.. is inside the Class 2 Pressure Test Boundary and will receive a VT-2 exam once each period. For additional information, reference PIP#G-08-00480 and File No. CN-1212.03 (Record Retention Code # 000252) If evidence of leakage is detected for this item during system leakage test, the NDE Plan Manager will be notified of leakage so evaluation can be performed. Use of this code case shall be discontinued for the heat exchangerand others of the same design or configuration if leakage has been detected. This exam will be performed under the Pressure Test Program. Reference Drawing Number CN-ISIL3-1554-1.0 and Plan Addendum C1-PT-036. A VT-2 visual exam will be performed for this weld..						
C1.C1.20.0007	1REGHX-SH2-HD2								
	Class 2 NV	CN-ISIN3-1554-1.0	NDE 68	VT-2	SS		1.070 / 10.900		C01.020.007
Circumferential		CNM 1201.06-31 CNM 1201.06-83							
			Shell to Head Regenerative Heat Exchanger (Shell 2). Shell(2) Pc.2 to Head(2) PC.5. Code Case N-706 has been incorporated for use during the Third Interval which allows an alternative exam (VT-2) for this weld. The Regenerative Heat Exchanger (Shell 2). Shell(2) Pc.2 to Head(2) PC.5. is inside the Class 2 Pressure Test Boundary and will receive a VT-2 exam once each period. For additional information, reference PIP#G-08-00480 and File No. CN-1212.03 (Record Retention Code # 000252) If evidence of leakage is detected for this item during system leakage test, the NDE Plan Manager will be notified of leakage so evaluation can be performed. Use of this code case shall be discontinued for the heat exchangerand others of the same design or configuration if leakage has been detected. This exam will be performed under the Pressure Test Program. Reference Drawing Number CN-ISIL3-1554-1.0 and Plan Addendum C1-PT-036. A VT-2 visual exam will be performed for this weld.						

Summary Num	Component ID Class / System	ISO/DWG Numbers	Procedure Description Comments	Insp Req	Material	Sched	Thick/NPS	Cal Blocks	Componenet ID 2
Category C-A									
C1.C1.20.0008	1REGHX-SH3-HD1								
	Class 2 NV	CN-ISIN3-1554-1.0	NDE 68	VT-2	SS		1.070 / 10.900		C01.020.008
Circumferential		CNM 1201.06-31 CNM 1201.06-83							
			Shell to Head Regenerative Heat Exchanger (Shell 3). Shell(3) Pc.3 to Head(1) PC.5. Code Case N-706 has been incorporated for use during the Third Interval which allows an alternative exam (VT-2) for this weld. The Regenerative Heat Exchanger (Shell 3). Shell(3) Pc.3 to Head(1) PC.5 is inside the Class 2 Pressure Test Boundary and will receive a VT-2 exam once each period. For additional information, reference PIP#G-08-00480 and File No. CN-1212.03 (Record Retention Code # 000252) If evidence of leakage is detected for this item during system leakage test, the NDE Plan Manager will be notified of leakage so evaluation can be performed. Use of this code case shall be discontinued for the heat exchangerand others of the same design or configuration if leakage has been detected. This exam will be performed under the Pressure Test Program. Reference Drawing Number CN-ISIL3-1554-1.0 and Plan Addendum C1-PT-036. A VT-2 visual exam will be performed for this weld.						
C1.C1.20.0009	1REGHX-SH3-HD2								
	Class 2 NV	CN-ISIN3-1554-1.0	NDE 68	VT-2	SS		1.070 / 10.900		C01.020.009
Circumferential		CNM 1201.06-31 CNM 1201.06-83							
			Shell to Head Regenerative Heat Exchanger (Shell 3). Shell(3) Pc.2 to Head(2) PC.5. Code Case N-706 has been incorporated for use during the Third Interval which allows an alternative exam (VT-2) for this weld. The Regenerative Heat Exchanger (Shell 3). Shell(3) Pc.2 to Head(2) PC.5 is inside the Class 2 Pressure Test Boundary and will receive a VT-2 exam once each period. For additional information, reference PIP#G-08-00480 and File No. CN-1212.03 (Record Retention Code # 000252) If evidence of leakage is detected for this item during system leakage test, the NDE Plan Manager will be notified of leakage so evaluation can be performed. Use of this code case shall be discontinued for the heat exchangerand others of the same design or configuration if leakage has been detected. This exam will be performed under the Pressure Test Program. Reference Drawing Number CN-ISIL3-1554-1.0 and Plan Addendum C1-PT-036. A VT-2 visual exam will be performed for this weld.						

Summary Num	Component ID Class / System	ISO/DWG Numbers	Procedure Description Comments	Insp Req	Material	Sched	Thick/NPS	Cal Blocks	Componenet ID 2
Category C-A									
C1.C1.20.0018	1BRHRHX-5-6								
	Class 2 ND	CN-ISIN3-1561-1.1	NDE 68	VT-2			0.770 / 44.000		C01.020
Circumferential		CNM 1201.06-83							

Residual Heat Removal Heat Exchanger 1B Shell Pc.5 to Lower Head Pc.6.

Code Case N-706 has been incorporated for use during the Third Interval which allows an alternative exam (VT-2) for this weld. The Residual Heat Removal Heat Exchanger 1B Shell Pc.5 to Lower Head Pc.6. is inside the Class 2 Pressure Test Boundary and will receive a VT-2 exam once each period. For additional information, reference PIP#G-08-00480 and File No. CN-1212.03 (Record Retention Code # 000252)

If evidence of leakage is detected for this item during system leakage test, the NDE Plan Manager will be notified of leakage so evaluation can be performed. Use of this code case shall be discontinued for the heat exchangerand others of the same design or configuration if leakage has been detected.

This exam will be performed under the Pressure Test Program. Reference Drawing Number CN-ISIL3-1561-1.1 and Plan Addendum C1-PT-036. A VT-2 visual exam will be performed for this weld.

C1.C1.30.0001	1REGHX-SH1-TS								
	Class 2 NV	CN-ISIN3-1554-1.0	NDE 68	VT-2	SS		1.070 / 10.900		C01.030.001
Circumferential		CNM 1201.06-31							
		CNM 1201.06-83							

Shell to Tubesheet

Regenerative Heat Exchanger (Shell 1). Shell(1) Pc.3 to Tubesheet PC.4

Code Case N-706 has been incorporated for use during the Third Interval which allows an alternative exam (VT-2) for this weld. The Regenerative Heat Exchanger (Shell 1). Shell(1) Pc.3 to Tubesheet PC.4 is inside the Class 2 Pressure Test Boundary and will receive a VT-2 exam once each period. For additional information, reference PIP#G-08-00480 and File No. CN-1212.03 (Record Retention Code # 000252)

If evidence of leakage is detected for this item during system leakage test, the NDE Plan Manager will be notified of leakage so evaluation can be performed. Use of this code case shall be discontinued for the heat exchangerand others of the same design or configuration if leakage has been detected.

This exam will be performed under the Pressure Test Program. Reference Drawing Number CN-ISIL3-1554-1.0 and Plan Addendum C1-PT-036. A VT-2 visual exam will be performed for this weld.

Summary Num	Component ID Class / System	ISO/DWG Numbers	Procedure Description Comments	Insp Req	Material	Sched	Thick/NPS	Cal Blocks	Componenet ID 2
Category C-A									
C1.C1.30.0002	1REGHX-SH2-TS								
	Class 2 NV	CN-ISIN3-1554-1.0	NDE 68	VT-2	SS		1.070 / 10.900		C01.030.002
Circumferential		CNM 1201.06-31							
		CNM 1201.06-83							
			Shell to Tubesheet						
			Regenerative Heat Exchanger (Shell 2). Shell(2) Pc.3 to Tubesheet PC.4.						
			Code Case N-706 has been incorporated for use during the Third Interval which allows an alternative exam (VT-2) for this weld. The Regenerative Heat Exchanger (Shell 2). Shell(2) Pc.3 to Tubesheet PC.4 is inside the Class 2 Pressure Test Boundary and will receive a VT-2 exam once each period. For additional information, reference PIP#G-08-00480 and File No. CN-1212.03 (Record Retention Code # 000252)						
			If evidence of leakage is detected for this item during system leakage test, the NDE Plan Manager will be notified of leakage so evaluation can be performed. Use of this code case shall be discontinued for the heat exchangerand others of the same design or configuration if leakage has been detected.						
			This exam will be performed under the Pressure Test Program. Reference Drawing Number CN-ISIL3-1554-1.0 and Plan Addendum C1-PT-036. A VT-2 visual exam will be performed for this weld.						
C1.C1.30.0003	1REGHX-SH3-TS								
	Class 2 NV	CN-ISIN3-1554-1.0	NDE 68	VT-2	SS		1.070 / 10.900		C01.030.003
Circumferential		CNM 1201.06-31							
		CNM 1201.06-83							
			Shell to Tubesheet						
			Regenerative Heat Exchanger (Shell 3). Shell(3) Pc.3 to Tubesheet PC.4.						
			Code Case N-706 has been incorporated for use during the Third Interval which allows an alternative exam (VT-2) for this weld. The Regenerative Heat Exchanger (Shell 3). Shell(3) Pc.3 to Tubesheet PC.4 is inside the Class 2 Pressure Test Boundary and will receive a VT-2 exam once each period. For additional information, reference PIP#G-08-00480 and File No. CN-1212.03 (Record Retention Code # 000252)						
			If evidence of leakage is detected for this item during system leakage test, the NDE Plan Manager will be notified of leakage so evaluation can be performed. Use of this code case shall be discontinued for the heat exchangerand others of the same design or configuration if leakage has been detected.						
			This exam will be performed under the Pressure Test Program. Reference Drawing Number CN-ISIL3-1554-1.0 and Plan Addendum C1-PT-036. A VT-2 visual exam will be performed for this weld.						

Summary Num	Component ID Class / System	ISO/DWG Numbers	Procedure Description Comments	Insp Req	Material	Sched	Thick/NPS	Cal Blocks	Componenet ID 2
Category C-A									
C1.C1.30.0004	1REGHX-TS-SH1								
	Class 2 NV	CN-ISIN3-1554-1.0	NDE 68	VT-2	SS		1.070 / 10.900		C01.030.004
Circumferential		CNM 1201.06-31 CNM 1201.06-83							
			Tubesheet to Shell Regenerative Heat Exchanger (Shell 1). Tubesheet Pc.4 to Shell(1) PC.2. Code Case N-706 has been incorporated for use during the Third Interval which allows an alternative exam (VT-2) for this weld. The Regenerative Heat Exchanger (Shell 1). Tubesheet Pc.4 to Shell(1) PC.2 is inside the Class 2 Pressure Test Boundary and will receive a VT-2 exam once each period. For additional information, reference PIP#G-08-00480 and File No. CN-1212.03 (Record Retention Code # 000252) If evidence of leakage is detected for this item during system leakage test, the NDE Plan Manager will be notified of leakage so evaluation can be performed. Use of this code case shall be discontinued for the heat exchangerand others of the same design or configuration if leakage has been detected. This exam will be performed under the Pressure Test Program. Reference Drawing Number CN-ISIL3-1554-1.0 and Plan Addendum C1-PT-036. A VT-2 visual exam will be performed for this weld.						
C1.C1.30.0005	1REGHX-TS-SH2								
	Class 2 NV	CN-ISIN3-1554-1.0	NDE 68	VT-2	SS		1.070 / 10.900		C01.030.005
Circumferential		CNM 1201.06-31 CNM 1201.06-83							
			Tubesheet to Shell Regenerative Heat Exchanger (Shell 2). Tubesheet Pc.4 to Shell(2) PC.2. Code Case N-706 has been incorporated for use during the Third Interval which allows an alternative exam (VT-2) for this weld. The Regenerative Heat Exchanger (Shell 2). Tubesheet Pc.4 to Shell(2) PC.2 is inside the Class 2 Pressure Test Boundary and will receive a VT-2 exam once each period. For additional information, reference PIP#G-08-00480 and File No. CN-1212.03 (Record Retention Code # 000252) If evidence of leakage is detected for this item during system leakage test, the NDE Plan Manager will be notified of leakage so evaluation can be performed. Use of this code case shall be discontinued for the heat exchangerand others of the same design or configuration if leakage has been detected. This exam will be performed under the Pressure Test Program. Reference Drawing Number CN-ISIL3-1554-1.0 and Plan Addendum C1-PT-036. A VT-2 visual exam will be performed for this weld.						

Summary Num	Component ID Class / System	ISO/DWG Numbers	Procedure Description Comments	Insp Req	Material	Sched	Thick/NPS	Cal Blocks	Componenet ID 2
Category C-A									
C1.C1.30.0006	1REGHX-TS-SH3								
	Class 2 NV	CN-ISIN3-1554-1.0	NDE 68	VT-2	SS		1.070 / 10.900		C01.030.006
Circumferential		CNM 1201.06-31 CNM 1201.06-83							
			Tubesheet to Shell Regenerative Heat Exchanger (Shell 3). Tubesheet Pc.4 to Shell(3) PC.2. Code Case N-706 has been incorporated for use during the Third Interval which allows an alternative exam (VT-2) for this weld. The Regenerative Heat Exchanger (Shell 3). Tubesheet Pc.4 to Shell(3) PC.2. is inside the Class 2 Pressure Test Boundary and will receive a VT-2 exam once each period. For additional information, reference PIP#G-08-00480 and File No. CN-1212.03 (Record Retention Code # 000252) If evidence of leakage is detected for this item during system leakage test, the NDE Plan Manager will be notified of leakage so evaluation can be performed. Use of this code case shall be discontinued for the heat exchangerand others of the same design or configuration if leakage has been detected. This exam will be performed under the Pressure Test Program. Reference Drawing Number CN-ISIL3-1554-1.0 and Plan Addendum C1-PT-036. A VT-2 visual exam will be performed for this weld.						
C1.C1.30.0008	1BNSHX-2B-51C								
	Class 2 NS	CN-ISIN3-1563-1.0	NDE-3630	UT	SS		0.500 / 0.000	50420	C01.030.008
Circumferential		CNM 1201.06-0105							
			Tubesheet to Shell Containment Spray Heat Exchanger 1B Top Tubesheet Pc.2B to Shell Cylinder Pc.51C.						
C1.C1.30.0009	1BNSHX-2A-50								
	Class 2 NS	CN-ISIN3-1563-1.0	NDE-3630	UT	SS		0.625 / 0.000	50380	C01.030.009
Circumferential		CNM 1201.06-0105							
			Tubesheet to Shell Containment Spray Heat Exchanger 1B Bottom Tubesheet Pc.2A to Shell Cylinder Pc.50.						

Summary Num	Component ID Class / System	ISO/DWG Numbers	Procedure Description Comments	Insp Req	Material	Sched	Thick/NPS	Cal Blocks	Componenet ID 2
Category C-B									
C1.C2.21.0003	1ARHRHX-5-A Class 2 ND	CN-ISIN3-1561-1.0	NDE 68	VT-2	SS		0.375 / 14.000		C02.021.003, C02.021.003A
Circumferential		CNM 1201.06-38 CNM 1201.06-83							
			Nozzle to Shell Residual Heat Removal Heat Exchanger 1A Inlet Nozzle Pc.A to Shell Pc.5. Scheduled for examination during Outage #1 (EOC16) in accordance with PIP# C-06-05142, Corrective Action #4. Code Case N-706 has been incorporated for use during the Third Interval which allows an alternative exam (VT-2) for this weld. The Residual Heat Removal Heat Exchanger 1A Inlet Nozzle Pc.A to Shell Pc.5 is inside the Class 2 Pressure Test Boundary and will receive a VT-2 exam once each period. For additional information, reference PIP#G-08-00480 and File No. CN-1212.03 (Record Retention Code # 000252) If evidence of leakage is detected for this item during system leakage test, the NDE Plan Manager will be notified of leakage so evaluation can be performed. Use of this code case shall be discontinued for the heat exchangerand others of the same design or configuration if leakage has been detected. This exam will be performed under the Pressure Test Program. Reference Drawing Number CN-ISIL3-1561-1.0 and Plan Addendum C1-PT-036. A VT-2 visual exam will be performed for this weld.						
C1.C2.21.0004	1ARHRHX-5-B Class 2 ND	CN-ISIN3-1561-1.0	NDE 68	VT-2	SS		0.375 / 14.000		C02.021.004, C02.021.004A
Circumferential		CNM 1201.06-38 CNM 1201.06-83							
			Nozzle to Shell Residual Heat Removal Heat Exchanger 1A Outlet Nozzle Pc.B to Shell Pc.5. Scheduled for examination during Outage #1 (EOC16) in accordance with PIP# C-06-05142, Corrective Action #4. Code Case N-706 has been incorporated for use during the Third Interval which allows an alternative exam (VT-2) for this weld. The Residual Heat Removal Heat Exchanger 1A Outlet Nozzle Pc.B to Shell Pc.5. is inside the Class 2 Pressure Test Boundary and will receive a VT-2 exam once each period. For additional information, reference PIP#G-08-00480 and File No. CN-1212.03 (Record Retention Code # 000252) If evidence of leakage is detected for this item during system leakage test, the NDE Plan Manager will be notified of leakage so evaluation can be performed. Use of this code case shall be discontinued for the heat exchangerand others of the same design or configuration if leakage has been detected. This exam will be performed under the Pressure Test Program. Reference Drawing Number CN-ISIL3-1561-1.0 and Plan Addendum C1-PT-036. A VT-2 visual exam will be performed for this weld.						

Summary Num	Component ID Class / System	ISO/DWG Numbers	Procedure Description Comments	Insp Req	Material	Sched	Thick/NPS	Cal Blocks	Componenet ID 2
Category C-B									
C1.C2.21.0007	1BRHRHX-5-A								
	Class 2 ND	CN-ISIN3-1561-1.1	NDE 68	VT-2			0.375 / 14.000		C02.021.
Circumferential		CNM 1201.06-38							
		CNM 1201.06-83							
			Residual Heat Removal Heat Exchanger 1B Inlet Nozzle Pc.B to Shell Pc.5 Code Case N-706 has been incorporated for use during the Third Interval which allows an alternative exam (VT-2) for this weld. The Residual Heat Removal Heat Exchanger 1B Inlet Nozzle Pc.B to Shell Pc.5. is inside the Class 2 Pressure Test Boundary and will receive a VT-2 exam once each period. For additional information, reference PIP#G-08-00480 and File No. CN-1212.03 (Record Retention Code # 000252) If evidence of leakage is detected for this item during system leakage test, the NDE Plan Manager will be notified of leakage so evaluation can be performed. Use of this code case shall be discontinued for the heat exchangerand others of the same design or configuration if leakage has been detected. This exam will be performed under the Pressure Test Program. Reference Drawing Number CN-ISIL3-1561-1.1 and Plan Addendum C1-PT-036. A VT-2 visual exam will be performed for this weld.						
C1.C2.21.0009	1BRHRHX-5-B								
	Class 2 ND	CN-ISIN3-1561-1.1	NDE 68				0.375 / 14.000		C02.021.
Circumferential		CNM 1201.06-38							
		CNM 1201.06-83							
			Residual Heat Removal Heat Exchanger 1B Outlet Nozzle Pc.B to Shell Pc.5. Code Case N-706 has been incorporated for use during the Third Interval which allows an alternative exam (VT-2) for this weld. The Residual Heat Removal Heat Exchanger 1B Outlet Nozzle Pc.B to Shell Pc.5. is inside the Class 2 Pressure Test Boundary and will receive a VT-2 exam once each period. For additional information, reference PIP#G-08-00480 and File No. CN-1212.03 (Record Retention Code # 000252) If evidence of leakage is detected for this item during system leakage test, the NDE Plan Manager will be notified of leakage so evaluation can be performed. Use of this code case shall be discontinued for the heat exchangerand others of the same design or configuration if leakage has been detected. This exam will be performed under the Pressure Test Program. Reference Drawing Number CN-ISIL3-1561-1.1 and Plan Addendum C1-PT-036. A VT-2 visual exam will be performed for this weld.						
Category C-C									
C1.C3.20.0001	1-R-CA-1692								
	Class 2 CA	CN-1491-CA010	NDE-35	PT	CS		0.218 / 2.000		C03.020.001
Rigid Support		CN-ISIN3-1592-1.1							
			Examine with F01.020.009.						

Summary Num	Component ID Class / System	ISO/DWG Numbers	Procedure Description Comments	Insp Req	Material	Sched	Thick/NPS	Cal Blocks	Componenet ID 2
Category C-C									
C1.C3.20.0014	1-R-SM-1559								
	Class 2 SM	CN-1491-SM027	NDE-25	MT	CS		0.750 / 34.000		C03.020.071
Rigid Support		CN-ISIN3-1593-1.0							
			Examine with F01.020.201. PT using Procedure NDE-35 may be used in lieu of MT, using Procedure NDE-25.						
Category C-F-1									
C1.C5.11.0001	1SGD-W261								
	Class 2 CA	CNM 1201.01-576	NDE-35	PT	CS-Inconel		1.840 / 7.500		C05.011.001, C05.011.001A
Circumferential		CNM 1201.01-617							
Terminal End		CN-ISIN3-1592-1.1							
Dissimilar									
			Nozzle to Transition Ring						
			Steam Generator 1D Auxiliary Feedwater Nozzle to Transition Ring.						
C1.C5.11.0001	1SGD-W261								
	Class 2 CA	CNM 1201.01-576	PDI-UT-10	UT	CS-Inconel		1.840 / 7.500	5142282	C05.011.001, C05.011.001A
Circumferential		CNM 1201.01-617							
Terminal End		CN-ISIN3-1592-1.1							
Dissimilar									
			Nozzle to Transition Ring						
			Steam Generator 1D Auxiliary Feedwater Nozzle to Transition Ring.						
C1.C5.11.0002	1CA66-35								
	Class 2 CA	CN-1CA-66	NDE-35	PT	CS-Inconel	160	0.719 / 6.000		C05.011.002, C05.011.002A
Circumferential		CN-ISIN3-1592-1.1							
Dissimilar									
			Nozzle to Elbow						
			Steam Generator 1A. Auxiliary Feedwater Nozzle Transition Ring to Elbow.						

Summary Num	Component ID Class / System	ISO/DWG Numbers	Procedure Description Comments	Insp Req	Material	Sched	Thick/NPS	Cal Blocks	Componenet ID 2
Category C-F-1									
C1.C5.11.0002 Circumferential Dissimilar	1CA66-35 Class 2 CA	CN-1CA-66 CN-ISIN3-1592-1.1	PDI-UT-10 Nozzle to Elbow Steam Generator 1A. Auxiliary Feedwater Nozzle Transition Ring to Elbow.	UT	CS-Inconel	160	0.719 / 6.000	50355 5142282	C05.011.002, C05.011.002A
C1.C5.11.0061 Circumferential Terminal End	1ND57-26 Class 2 ND	CN-1ND-57 CN-ISIN3-1561-1.0	NDE 68 Nozzle to Reducer	VT-2	SS	40	0.438 / 14.000		C05.011.085, C05.011.085A

Residual Heat Removal Heat Exchanger 1A. Procedure NDE-600 uses the component for calibration. Procedure PDI-UT-2 may be used in lieu of NDE-600. If PDI-UT-2 is used , then the calibration block listed shall be used.

Code Case N-706 has been incorporated for use during the Third Interval which allows an alternative exam (VT-2) for this weld. The Residual Heat Removal Heat Exchanger 1A is inside the Class 2 Pressure Test Boundary and will receive a VT-2 exam once each period. For additional information, reference PIP#G-08-00480 and File No. CN-1212.03 (Record Retention Code # 000252)

If evidence of leakage is detected for this item during system leakage test, the NDE Plan Manager will be notified of leakage so evaluation can be performed. Use of this code case shall be discontinued for the heat exchangerand others of the same design or configuration if leakage has been detected.

This exam will be performed under the Pressure Test Program. Reference Drawing Number CN-ISIL3-1561-1.0 and Plan Addendum C1-PT-036. A VT-2 visual exam will be performed for this weld.

Summary Num	Component ID Class / System	ISO/DWG Numbers	Procedure Description Comments	Insp Req	Material	Sched	Thick/NPS	Cal Blocks	Componenet ID 2
Category C-F-1									
C1.C5.11.0062	1ND59-12 Class 2 ND	CN-1ND-59	NDE 68	VT-2	SS	40	0.438 / 14.000		C05.011.086, C05.011.086A
Circumferential Terminal End		CN-ISIN3-1561-1.0	Nozzle to Reducer Residual Heat Removal Heat Exchanger 1A. Procedure NDE-600 uses the component for calibration. Procedure PDI-UT-2 may be used in lieu of NDE-600. If PDI-UT-2 is used , then the calibration block listed shall be used. Code Case N-706 has been incorporated for use during the Third Interval which allows an alternative exam (VT-2) for this weld. The Residual Heat Removal Heat Exchanger 1A is inside the Class 2 Pressure Test Boundary and will receive a VT-2 exam once each period. For additional information, reference PIP#G-08-00480 and File No. CN-1212.03 (Record Retention Code # 000252) If evidence of leakage is detected for this item during system leakage test, the NDE Plan Manager will be notified of leakage so evaluation can be performed. Use of this code case shall be discontinued for the heat exchangerand others of the same design or configuration if leakage has been detected. This exam will be performed under the Pressure Test Program. Reference Drawing Number CN-ISIL3-1561-1.0 and Plan Addendum C1-PT-036. A VT-2 visual exam will be performed for this weld.							
C1.C5.11.0097	1NI24-1 Class 2 NI	CN-1NI-24	NDE-35	PT	SS	160	0.719 / 6.000		C05.011.134, C05.011.134A
Circumferential		CN-ISIN3-1562-1.3	Elbow to Pipe Procedure NDE-600 uses the component for calibration. Procedure PDI-UT-2 may be used in lieu of NDE-600. If PDI-UT-2 is used , then the calibration block listed shall be used.						
C1.C5.11.0097	1NI24-1 Class 2 NI	CN-1NI-24 CN-ISIN3-1562-1.3	PDI-UT-2	UT	SS	160	0.719 / 6.000	Component PDI-UT-2-C PDI-UT-2A-C	C05.011.134, C05.011.134A
Circumferential			Elbow to Pipe Procedure NDE-600 uses the component for calibration. Procedure PDI-UT-2 may be used in lieu of NDE-600. If PDI-UT-2 is used , then the calibration block listed shall be used.						

Summary Num	Component ID Class / System	ISO/DWG Numbers	Procedure Description Comments	Insp Req	Material	Sched	Thick/NPS	Cal Blocks	Componenet ID 2
Category C-F-1									
C1.C5.11.0350	1ND64-1								
	Class 2 ND	CN-1ND-64	NDE 68	VT-2			0.438 / 14.000		C05.011.
Circumferential		CN-ISIN3-1561-1.1							
Terminal End									
			Residual Heat Removal Heat Exchanger 1B. Code Case N-706 has been incorporated for use during the Third Interval which allows an alternative exam (VT-2) for this weld. The Residual Heat Removal Heat Exchanger 1B is inside the Class 2 Pressure Test Boundary and will receive a VT-2 exam once each period. For additional information, reference PIP#G-08-00480 and File No. CN-1212.03 (Record Retention Code # 000252) If evidence of leakage is detected for this item during system leakage test, the NDE Plan Manager will be notified of leakage so evaluation can be performed. Use of this code case shall be discontinued for the heat exchangerand others of the same design or configuration if leakage has been detected. This exam will be performed under the Pressure Test Program. Reference Drawing Number CN-ISIL3-1561-1.1 and Plan Addendum C1-PT-036. A VT-2 visual exam will be performed for this weld.						
C1.C5.11.0868	1ND51-1								
	Class 2 ND	CN-1ND-51	NDE 68	VT-2			0.438 / 14.000		C05.011.
Circumferential		CN-ISIN3-1561-1.1							
Terminal End									
			Residual Heat Removal Heat Exchanger 1B. Code Case N-706 has been incorporated for use during the Third Interval which allows an alternative exam (VT-2) for this weld. The Residual Heat Removal Heat Exchanger 1B is inside the Class 2 Pressure Test Boundary and will receive a VT-2 exam once each period. For additional information, reference PIP#G-08-00480 and File No. CN-1212.03 (Record Retention Code # 000252) If evidence of leakage is detected for this item during system leakage test, the NDE Plan Manager will be notified of leakage so evaluation can be performed. Use of this code case shall be discontinued for the heat exchangerand others of the same design or configuration if leakage has been detected. This exam will be performed under the Pressure Test Program. Reference Drawing Number CN-ISIL3-1561-1.1 and Plan Addendum C1-PT-036. A VT-2 visual exam will be performed for this weld.						
C1.C5.11.1203	1ND3-4								
	Class 2 ND	CN-1ND-3	PDI-UT-2	UT	SS		0.438 / 14.000		C05.011.
		CN-ISIN3-1561-1.0						PDI-UT-2A-C	
Circumferential									

Summary Num	Component ID Class / System	ISO/DWG Numbers	Procedure Description Comments	Insp Req	Material	Sched	Thick/NPS	Cal Blocks	Componenet ID 2
Category C-F-1									
C1.C5.11.1203 Circumferential	1ND3-4 Class 2 ND	CN-1ND-3 CN-ISIN3-1561-1.0	NDE-35	PT	SS		0.438 / 14.000		C05.011.
C1.C5.11.1207 Circumferential	1ND3-7 Class 2 ND	CN-1ND-3 CN-ISIN3-1561-1.0	PDI-UT-2	UT	SS		0.406 / 12.000	PDI-UT-2A-C	C05.011.
C1.C5.11.1207 Circumferential	1ND3-7 Class 2 ND	CN-1ND-3 CN-ISIN3-1561-1.0	NDE-35	PT	SS		0.406 / 12.000		C05.011.
C1.C5.21.0038 Circumferential	1NV140-2 Class 2 NV	CN-1NV-140 CN-ISIN3-1554-1.1	NDE-35 Pipe to Elbow Procedure NDE-600 uses the component for calibration. Procedure PDI-UT-2 may be used in lieu of NDE-600. If PDI-UT-2 is used , then the calibration block listed shall be used.	PT	SS	40	0.237 / 4.000		C05.021.111, C05.021.111A
C1.C5.21.0038 Circumferential	1NV140-2 Class 2 NV	CN-1NV-140 CN-ISIN3-1554-1.1	PDI-UT-2 Pipe to Elbow Procedure NDE-600 uses the component for calibration. Procedure PDI-UT-2 may be used in lieu of NDE-600. If PDI-UT-2 is used , then the calibration block listed shall be used.	UT	SS	40	0.237 / 4.000	Component PDI-UT-2-C PDI-UT-2A-C	C05.021.111, C05.021.111A

Summary Num	Component ID Class / System	ISO/DWG Numbers	Procedure Description Comments	Insp Req	Material	Sched	Thick/NPS	Cal Blocks	Componenet ID 2
Category C-F-1									
C1.C5.21.0039	1NV140-3 Class 2 NV	CN-1NV-140 CN-ISIN3-1554-1.1	NDE-35	PT	SS	40	0.237 / 4.000		C05.021.112, C05.021.112A
Circumferential			Elbow to Pipe Procedure NDE-600 uses the component for calibration. Procedure PDI-UT-2 may be used in lieu of NDE-600. If PDI-UT-2 is used , then the calibration block listed shall be used.						
C1.C5.21.0039	1NV140-3 Class 2 NV	CN-1NV-140 CN-ISIN3-1554-1.1	PDI-UT-2	UT	SS	40	0.237 / 4.000	Component PDI-UT-2-C PDI-UT-2A-C	C05.021.112, C05.021.112A
Circumferential			Elbow to Pipe Procedure NDE-600 uses the component for calibration. Procedure PDI-UT-2 may be used in lieu of NDE-600. If PDI-UT-2 is used , then the calibration block listed shall be used.						
C1.C5.21.0040	1NV140-4 Class 2 NV	CN-1NV-140 CN-ISIN3-1554-1.1	NDE-35	PT	SS	40	0.237 / 4.000		C05.021.113, C05.021.113A
Circumferential			Pipe to Elbow Procedure NDE-600 uses the component for calibration. Procedure PDI-UT-2 may be used in lieu of NDE-600. If PDI-UT-2 is used , then the calibration block listed shall be used.						
C1.C5.21.0040	1NV140-4 Class 2 NV	CN-1NV-140 CN-ISIN3-1554-1.1	PDI-UT-2	UT	SS	40	0.237 / 4.000	Component PDI-UT-2-C PDI-UT-2A-C	C05.021.113, C05.021.113A
Circumferential			Pipe to Elbow Procedure NDE-600 uses the component for calibration. Procedure PDI-UT-2 may be used in lieu of NDE-600. If PDI-UT-2 is used , then the calibration block listed shall be used.						

Summary Num	Component ID Class / System	ISO/DWG Numbers	Procedure Description Comments	Insp Req	Material	Sched	Thick/NPS	Cal Blocks	Componenet ID 2
Category C-F-1									
C1.C5.21.0041	1NV140-5 Class 2 NV	CN-1NV-140 CN-ISIN3-1554-1.1	NDE-35 Elbow to Pipe Procedure NDE-600 uses the component for calibration. Procedure PDI-UT-2 may be used in lieu of NDE-600. If PDI-UT-2 is used , then the calibration block listed shall be used.	PT	SS	40	0.237 / 4.000		C05.021.114, C05.021.114A
Circumferential									
C1.C5.21.0041	1NV140-5 Class 2 NV	CN-1NV-140 CN-ISIN3-1554-1.1	PDI-UT-2 Elbow to Pipe Procedure NDE-600 uses the component for calibration. Procedure PDI-UT-2 may be used in lieu of NDE-600. If PDI-UT-2 is used , then the calibration block listed shall be used.	UT	SS	40	0.237 / 4.000	Component PDI-UT-2-C PDI-UT-2A-C	C05.021.114, C05.021.114A
Circumferential									
C1.C5.21.0042	1NV141-2 Class 2 NV	CN-1NV-141 CN-ISIN3-1554-1.1	NDE-35 Pipe to Elbow Procedure NDE-600 uses the component for calibration. Procedure PDI-UT-2 may be used in lieu of NDE-600. If PDI-UT-2 is used , then the calibration block listed shall be used.	PT	SS	40	0.237 / 4.000		C05.021.115, C05.021.115A
Circumferential									
C1.C5.21.0042	1NV141-2 Class 2 NV	CN-1NV-141 CN-ISIN3-1554-1.1	PDI-UT-2 Pipe to Elbow Procedure NDE-600 uses the component for calibration. Procedure PDI-UT-2 may be used in lieu of NDE-600. If PDI-UT-2 is used , then the calibration block listed shall be used.	UT	SS	40	0.237 / 4.000	Component PDI-UT-2-C PDI-UT-2A-C	C05.021.115, C05.021.115A
Circumferential									

Summary Num	Component ID Class / System	ISO/DWG Numbers	Procedure Description Comments	Insp Req	Material	Sched	Thick/NPS	Cal Blocks	Componenet ID 2
Category C-F-1									
C1.C5.21.0043	1NV141-3								
	Class 2 NV	CN-1NV-141	NDE-35	PT	SS	40	0.237 / 4.000		C05.021.116, C05.021.116A
Circumferential		CN-ISIN3-1554-1.1							
			Elbow to Pipe						
			Procedure NDE-600 uses the component for calibration. Procedure PDI-UT-2 may be used in lieu of NDE-600. If PDI-UT-2 is used , then the calibration block listed shall be used.						
C1.C5.21.0043	1NV141-3								
	Class 2 NV	CN-1NV-141 CN-ISIN3-1554-1.1	PDI-UT-2	UT	SS	40	0.237 / 4.000	Component PDI-UT-2-C PDI-UT-2A-C	C05.021.116, C05.021.116A
Circumferential									
			Elbow to Pipe						
			Procedure NDE-600 uses the component for calibration. Procedure PDI-UT-2 may be used in lieu of NDE-600. If PDI-UT-2 is used , then the calibration block listed shall be used.						
C1.C5.21.0044	1NV141-6								
	Class 2 NV	CN-1NV-141	NDE-35	PT	SS	40	0.237 / 4.000		C05.021.117, C05.021.117A
Circumferential		CN-ISIN3-1554-1.1							
			Pipe to Elbow						
			Procedure NDE-600 uses the component for calibration. Procedure PDI-UT-2 may be used in lieu of NDE-600. If PDI-UT-2 is used , then the calibration block listed shall be used.						
C1.C5.21.0044	1NV141-6								
	Class 2 NV	CN-1NV-141 CN-ISIN3-1554-1.1	PDI-UT-2	UT	SS	40	0.237 / 4.000	Component PDI-UT-2-C PDI-UT-2A-C	C05.021.117, C05.021.117A
Circumferential									
			Pipe to Elbow						
			Procedure NDE-600 uses the component for calibration. Procedure PDI-UT-2 may be used in lieu of NDE-600. If PDI-UT-2 is used , then the calibration block listed shall be used.						

Summary Num	Component ID Class / System	ISO/DWG Numbers	Procedure Description Comments	Insp Req	Material	Sched	Thick/NPS	Cal Blocks	Componenet ID 2
Category C-F-1									
C1.C5.21.0045	1NV141-7 Class 2 NV	CN-1NV-141	NDE-35	PT	SS	40	0.237 / 4.000		C05.021.118, C05.021.118A
Circumferential		CN-ISIN3-1554-1.1							
			Elbow to Pipe Procedure NDE-600 uses the component for calibration. Procedure PDI-UT-2 may be used in lieu of NDE-600. If PDI-UT-2 is used , then the calibration block listed shall be used.						
C1.C5.21.0045	1NV141-7 Class 2 NV	CN-1NV-141 CN-ISIN3-1554-1.1	PDI-UT-2	UT	SS	40	0.237 / 4.000	Component PDI-UT-2-C PDI-UT-2A-C	C05.021.118, C05.021.118A
Circumferential									
			Elbow to Pipe Procedure NDE-600 uses the component for calibration. Procedure PDI-UT-2 may be used in lieu of NDE-600. If PDI-UT-2 is used , then the calibration block listed shall be used.						
C1.C5.21.0052	1NV152-14 Class 2 NV	CN-1NV-152	NDE-35	PT	SS	40	0.216 / 3.000		C05.021.125, C05.021.125A
Circumferential		CN-ISIN3-1554-1.1							
			Pipe to Elbow Procedure NDE-600 uses the component for calibration. Procedure PDI-UT-2 may be used in lieu of NDE-600. If PDI-UT-2 is used , then the calibration block listed shall be used.						
C1.C5.21.0052	1NV152-14 Class 2 NV	CN-1NV-152 CN-ISIN3-1554-1.1	PDI-UT-2	UT	SS	40	0.216 / 3.000	Component PDI-UT-2-C PDI-UT-2A-C	C05.021.125, C05.021.125A
Circumferential									
			Pipe to Elbow Procedure NDE-600 uses the component for calibration. Procedure PDI-UT-2 may be used in lieu of NDE-600. If PDI-UT-2 is used , then the calibration block listed shall be used.						

Summary Num	Component ID Class / System	ISO/DWG Numbers	Procedure Description Comments	Insp Req	Material	Sched	Thick/NPS	Cal Blocks	Componenet ID 2
Category C-F-1									
C1.C5.21.0053	1NV153-2 Class 2 NV	CN-1NV-153	NDE-35	PT	SS	40	0.216 / 3.000		C05.021.126, C05.021.126A
Circumferential		CN-ISIN3-1554-1.1							
			Pipe to Elbow Procedure NDE-600 uses the component for calibration. Procedure PDI-UT-2 may be used in lieu of NDE-600. If PDI-UT-2 is used , then the calibration block listed shall be used.						
C1.C5.21.0053	1NV153-2 Class 2 NV	CN-1NV-153 CN-ISIN3-1554-1.1	PDI-UT-2	UT	SS	40	0.216 / 3.000	Component PDI-UT-2-C PDI-UT-2A-C	C05.021.126, C05.021.126A
Circumferential									
			Pipe to Elbow Procedure NDE-600 uses the component for calibration. Procedure PDI-UT-2 may be used in lieu of NDE-600. If PDI-UT-2 is used , then the calibration block listed shall be used.						
Category C-F-2									
C1.C5.51.0002	1CA66-11 Class 2 CA	CN-1CA-66	NDE-25	MT	CS	80	0.432 / 6.000		C05.051.002, C05.051.002A
Circumferential		CN-ISIN3-1592-1.1							
			Elbow to Pipe Procedure NDE-600 uses the component for calibration. Procedure PDI-UT-1 may be used in lieu of NDE-600. If PDI-UT-1 is used , then the calibration block listed shall be used.						
C1.C5.51.0002	1CA66-11 Class 2 CA	CN-1CA-66 CN-ISIN3-1592-1.1	PDI-UT-1	UT	CS	80	0.432 / 6.000	Component PDI-UT-1-C PDI-UT-1A-C	C05.051.002, C05.051.002A
Circumferential									
			Elbow to Pipe Procedure NDE-600 uses the component for calibration. Procedure PDI-UT-1 may be used in lieu of NDE-600. If PDI-UT-1 is used , then the calibration block listed shall be used.						

Summary Num	Component ID Class / System	ISO/DWG Numbers	Procedure Description Comments	Insp Req	Material	Sched	Thick/NPS	Cal Blocks	Componenet ID 2
Category C-F-2									
C1.C5.51.0016	1CA101-1 Class 2 CA	CN-1CA-101	NDE-25	MT	CS	80	0.432 / 6.000		C05.051.016, C05.051.016A
Circumferential		CN-ISIN3-1592-1.1							
			Elbow to Pipe Procedure NDE-600 uses the component for calibration. Procedure PDI-UT-1 may be used in lieu of NDE-600. If PDI-UT-1 is used , then the calibration block listed shall be used.						
C1.C5.51.0016	1CA101-1 Class 2 CA	CN-1CA-101 CN-ISIN3-1592-1.1	PDI-UT-1	UT	CS	80	0.432 / 6.000	Component PDI-UT-1-C PDI-UT-1A-C	C05.051.016, C05.051.016A
Circumferential									
			Elbow to Pipe Procedure NDE-600 uses the component for calibration. Procedure PDI-UT-1 may be used in lieu of NDE-600. If PDI-UT-1 is used , then the calibration block listed shall be used.						
C1.C5.51.0023	1CF40-1 Class 2 CF	CN-1491-CF040	NDE-25	MT	CS	80	0.844 / 16.000		C05.051.051, C05.051.051A
Circumferential		CN-ISIN3-1591-1.1							
			Nozzle to Elbow Steam Generator 1C Feedwater Nozzle Transition Ring to Elbow. Procedure NDE-600 uses the component for calibration. Procedure PDI-UT-1 may be used in lieu of NDE-600. If PDI-UT-1 is used , then the calibration block listed shall be used.						
C1.C5.51.0023	1CF40-1 Class 2 CF	CN-1491-CF040 CN-ISIN3-1591-1.1	PDI-UT-1	UT	CS	80	0.844 / 16.000	Component PDI-UT-1-C PDI-UT-1A-C	C05.051.051, C05.051.051A
Circumferential									
			Nozzle to Elbow Steam Generator 1C Feedwater Nozzle Transition Ring to Elbow. Procedure NDE-600 uses the component for calibration. Procedure PDI-UT-1 may be used in lieu of NDE-600. If PDI-UT-1 is used , then the calibration block listed shall be used.						

Summary Num	Component ID Class / System	ISO/DWG Numbers	Procedure Description Comments	Insp Req	Material	Sched	Thick/NPS	Cal Blocks	Componenet ID 2
Category C-F-2									
C1.C5.51.0038	1SM27-3								
	Class 2 SM	CN-1SM-27	NDE-25	MT	CS	80	0.432 / 6.000		C05.051.102, C05.051.102A
Circumferential		CN-ISIN3-1593-1.0							
			Pipe to Pipe						
			Procedure NDE-600 uses the component for calibration. Procedure PDI-UT-1 may be used in lieu of NDE-600. If PDI-UT-1 is used , then the calibration block listed shall be used.						
C1.C5.51.0038	1SM27-3								
	Class 2 SM	CN-1SM-27 CN-ISIN3-1593-1.0	PDI-UT-1	UT	CS	80	0.432 / 6.000	Component PDI-UT-1-C PDI-UT-1A-C	C05.051.102, C05.051.102A
Circumferential									
			Pipe to Pipe						
			Procedure NDE-600 uses the component for calibration. Procedure PDI-UT-1 may be used in lieu of NDE-600. If PDI-UT-1 is used , then the calibration block listed shall be used.						
C1.C5.51.0039	1SM27-4								
	Class 2 SM	CN-1SM-27	NDE-25	MT	CS	80	0.432 / 6.000		C05.051.103, C05.051.103A
Circumferential		CN-ISIN3-1593-1.0							
			Pipe to Elbow						
			Procedure NDE-600 uses the component for calibration. Procedure PDI-UT-1 may be used in lieu of NDE-600. If PDI-UT-1 is used , then the calibration block listed shall be used.						
C1.C5.51.0039	1SM27-4								
	Class 2 SM	CN-1SM-27 CN-ISIN3-1593-1.0	PDI-UT-1	UT	CS	80	0.432 / 6.000	Component PDI-UT-1-C PDI-UT-1A-C	C05.051.103, C05.051.103A
Circumferential									
			Pipe to Elbow						
			Procedure NDE-600 uses the component for calibration. Procedure PDI-UT-1 may be used in lieu of NDE-600. If PDI-UT-1 is used , then the calibration block listed shall be used.						

Summary Num	Component ID Class / System	ISO/DWG Numbers	Procedure Description Comments	Insp Req	Material	Sched	Thick/NPS	Cal Blocks	Componenet ID 2
Category C-F-2									
C1.C5.51.0040	1SM-8B-C Class 2 SM	CN-1SM-27 CN-ISIN3-1593-1.0	NDE-25 Nozzle to Pipe Grinnell Piece Mark CT-SM-8B Weld C. Procedure NDE-600 uses the component for calibration. Procedure PDI-UT-1 may be used in lieu of NDE-600. If PDI-UT-1 is used , then the calibration block listed shall be used.	MT	CS		1.500 / 10.000		C05.051.104, C05.051.104A
Circumferential									
C1.C5.51.0040	1SM-8B-C Class 2 SM	CN-1SM-27 CN-ISIN3-1593-1.0	PDI-UT-1 Nozzle to Pipe Grinnell Piece Mark CT-SM-8B Weld C. Procedure NDE-600 uses the component for calibration. Procedure PDI-UT-1 may be used in lieu of NDE-600. If PDI-UT-1 is used , then the calibration block listed shall be used.	UT	CS		1.500 / 10.000	Component PDI-UT-1-C PDI-UT-1A-C	C05.051.104, C05.051.104A
Circumferential									
C1.C5.51.0041	1SM-8B-D Class 2 SM	CN-1SM-27 CN-ISIN3-1593-1.0	NDE-25 Nozzle to Pipe Grinnell Piece Mark CT-SM-8B Weld D. Procedure NDE-600 uses the component for calibration. Procedure PDI-UT-1 may be used in lieu of NDE-600. If PDI-UT-1 is used , then the calibration block listed shall be used.	MT	CS		1.500 / 10.000		C05.051.105, C05.051.105A
Circumferential									
C1.C5.51.0041	1SM-8B-D Class 2 SM	CN-1SM-27 CN-ISIN3-1593-1.0	PDI-UT-1 Nozzle to Pipe Grinnell Piece Mark CT-SM-8B Weld D. Procedure NDE-600 uses the component for calibration. Procedure PDI-UT-1 may be used in lieu of NDE-600. If PDI-UT-1 is used , then the calibration block listed shall be used.	UT	CS		1.500 / 10.000	Component PDI-UT-1-C PDI-UT-1A-C	C05.051.105, C05.051.105A
Circumferential									

Summary Num	Component ID Class / System	ISO/DWG Numbers	Procedure Description Comments	Insp Req	Material	Sched	Thick/NPS	Cal Blocks	Componenet ID 2
Category C-F-2									
C1.C5.51.0042	1SM29-36								
	Class 2 SM	CN-1SM-29	NDE-25	MT	CS		1.375 / 32.000		C05.051.106, C05.051.106A
Circumferential		CN-ISIN3-1593-1.0							
			Nozzle to Elbow						
			Steam Generator 1B Main Steam Nozzle Transition Ring to Elbow. Procedure NDE-600 uses the component for calibration. Procedure PDI-UT-1 may be used in lieu of NDE-600. If PDI-UT-1 is used , then the calibration block listed shall be used.						
C1.C5.51.0042	1SM29-36								
	Class 2 SM	CN-1SM-29 CN-ISIN3-1593-1.0	PDI-UT-1	UT	CS		1.375 / 32.000	Component PDI-UT-1-C PDI-UT-1A-C	C05.051.106, C05.051.106A
Circumferential									
			Nozzle to Elbow						
			Steam Generator 1B Main Steam Nozzle Transition Ring to Elbow. Procedure NDE-600 uses the component for calibration. Procedure PDI-UT-1 may be used in lieu of NDE-600. If PDI-UT-1 is used , then the calibration block listed shall be used.						
C1.C5.51.0053	1SV19-2								
	Class 2 SV	CN-1SV-19	NDE-25	MT	CS		1.500 / 10.000		C05.051.151, C05.051.151A
Circumferential		CN-ISIN3-1593-1.0							
			Pipe to Valve 1SV017						
			Transition from Nozzle (10" x 1.50"). Procedure NDE-600 uses the component for calibration. Procedure PDI-UT-1 may be used in lieu of NDE-600. If PDI-UT-1 is used , then the calibration block listed shall be used.						
C1.C5.51.0053	1SV19-2								
	Class 2 SV	CN-1SV-19 CN-ISIN3-1593-1.0	PDI-UT-1	UT	CS		1.500 / 10.000	Component PDI-UT-1-C PDI-UT-1A-C	C05.051.151, C05.051.151A
Circumferential									
			Pipe to Valve 1SV017						
			Transition from Nozzle (10" x 1.50"). Procedure NDE-600 uses the component for calibration. Procedure PDI-UT-1 may be used in lieu of NDE-600. If PDI-UT-1 is used , then the calibration block listed shall be used.						

Summary Num	Component ID Class / System	ISO/DWG Numbers	Procedure Description Comments	Insp Req	Material	Sched	Thick/NPS	Cal Blocks	Componenet ID 2
Category C-F-2									
C1.C5.61.0009	1CA69-18 Class 2 CA	CN-1CA-69	NDE-25	MT	CS	160	0.531 / 4.000		C05.061.009, C05.061.009A
Circumferential		CN-ISIN3-1592-1.1							
			Reducer to Pipe Procedure NDE-600 uses the component for calibration. Procedure PDI-UT-1 may be used in lieu of NDE-600. If PDI-UT-1 is used , then the calibration block listed shall be used.						
C1.C5.61.0009	1CA69-18 Class 2 CA	CN-1CA-69 CN-ISIN3-1592-1.1	PDI-UT-1	UT	CS	160	0.531 / 4.000	Component PDI-UT-1-C PDI-UT-1A-C	C05.061.009, C05.061.009A
Circumferential									
			Reducer to Pipe Procedure NDE-600 uses the component for calibration. Procedure PDI-UT-1 may be used in lieu of NDE-600. If PDI-UT-1 is used , then the calibration block listed shall be used.						
C1.C5.61.0010	1CA71-1 Class 2 CA	CN-1CA-71	NDE-25	MT	CS	160	0.531 / 4.000		C05.061.010, C05.061.010A
Circumferential		CN-ISIN3-1592-1.1							
			Reducer to Pipe Procedure NDE-600 uses the component for calibration. Procedure PDI-UT-1 may be used in lieu of NDE-600. If PDI-UT-1 is used , then the calibration block listed shall be used.						
C1.C5.61.0010	1CA71-1 Class 2 CA	CN-1CA-71 CN-ISIN3-1592-1.1	PDI-UT-1	UT	CS	160	0.531 / 4.000	Component PDI-UT-1-C PDI-UT-1A-C	C05.061.010, C05.061.010A
Circumferential									
			Reducer to Pipe Procedure NDE-600 uses the component for calibration. Procedure PDI-UT-1 may be used in lieu of NDE-600. If PDI-UT-1 is used , then the calibration block listed shall be used.						

Summary Num	Component ID Class / System	ISO/DWG Numbers	Procedure Description Comments	Insp Req	Material	Sched	Thick/NPS	Cal Blocks	Componenet ID 2
Category C-F-2									
C1.C5.61.0016	1CA91-10								
	Class 2 CA	CN-1CA-91	NDE-25	MT	CS	80	0.337 / 4.000		C05.061.016, C05.061.016A
Circumferential		CN-ISIN3-1592-1.1							
			Pipe to Reducer						
			Procedure NDE-600 uses the component for calibration. Procedure PDI-UT-1 may be used in lieu of NDE-600. If PDI-UT-1 is used , then the calibration block listed shall be used.						
C1.C5.61.0016	1CA91-10								
	Class 2 CA	CN-1CA-91 CN-ISIN3-1592-1.1	PDI-UT-1	UT	CS	80	0.337 / 4.000	Component PDI-UT-1-C PDI-UT-1A-C	C05.061.016, C05.061.016A
Circumferential									
			Pipe to Reducer						
			Procedure NDE-600 uses the component for calibration. Procedure PDI-UT-1 may be used in lieu of NDE-600. If PDI-UT-1 is used , then the calibration block listed shall be used.						
C1.C5.70.0016	1CA95-16								
	Class 2 CA	CN-1CA-95	NDE-35	PT	CS	80	0.218 / 2.000		C05.070.016
Circumferential		CN-ISIN3-1592-1.1							
			Tee to Pipe						
C1.C5.81.0001	1SM-5B-C								
	Class SM	CN-1SM-28	NDE-25	MT	CS	80	0.432 / 6.000		C05.081.001
Branch		CN-ISIN3-1593-1.7							
			Main Header to Sweepolet						
			Grinnell Piece Mark CT-SM-5B Weld C.						
Category C-G									
C1.C6.20.0002	1CF-33								
	Class 2 CF	CN-ISIN3-1591-1.1	NDE-25	MT	CS		1.782 / 18.000		C06.020.002
Circumferential		CNM 1205.12-0003							
			Valve Body to Bonnet						
			Valve Body Weld -Valve Numbers in Valve Group 1CF-33, 1CF-42, 1CF-51, 1CF-60.						

Summary Num	Component ID Class / System	ISO/DWG Numbers	Procedure Description Comments	Insp Req	Material	Sched	Thick/NPS	Cal Blocks	Componenet ID 2
Category C-G									
C1.C6.20.0012	1NI-103A								
	Class 2 NI	CN-ISIN3-1562-1.2	NDE-35	PT	SS		0.500 / 6.000		C06.020.012
Circumferential		CNM 1205.00-0231							
			Valve Body to Bonnet						
			Valve Body Weld - Valve Numbers in Valve Group 1NI-103A, 1NI-135B, 1NI-332A, 1NI-333B, 1NI-334B.						
C1.C6.20.0014	1NV-91B								
	Class 2 NV	CN-ISIN3-1554-1.0	NDE-35	PT	SS		0.237 / 4.000		C06.020.014
Circumferential		CNM 1205.00-0165							
			Valve Body to Bonnet Flange						
			Valve Body Weld.						
C1.C6.20.0020	1SV-11								
	Class 2 SV	CN-1SV-021	NDE-35	PT	SS-CS		1.500 / 9.000		C06.020.020
Circumferential		CNM 1205.09-002							
			Weld 1AD Valve Inlet Neck to Base						
			Valve Body Weld - Valve Numbers in Valve Group 1SV-8, 1SV-9, 1SV-10, 1SV-11, 1SV-12.						
Category D-A									
C1.D1.20.0005	1-R-KC-1478								
	Class 3 KC	CN-1491-KC006	NDE-65	VT-1	NA		1.125 / 8.000		D01.020.022
Rigid Support		CN-ISIN3-1573-1.7							
			Examine with C1.F1.31.0004.						
C1.D1.20.0013	1-R-TE-1504								
	Class 3 TE	CN-1491-TE001	NDE-65	VT-1	NA		0.750 / 16.000		D01.020.061
Spring Hgr		CN-ISIN3-1593-1.2							
			Examine with C1.F1.32.0027.						

Summary Num	Component ID Class / System	ISO/DWG Numbers	Procedure Description Comments	Insp Req	Material	Sched	Thick/NPS	Cal Blocks	Componenet ID 2
Category ELC									
C1.H2.1.0001	1ND59-1 Class B ND	CN-1ND-0059	NDE-998 Pipe to Tee ND System Thermal Fatigue Management Program. Examine every 6 years (Reference PIP#C-04-3193)	UT	SS	20	0.250/ 8.000	Component	----
C1.H2.1.0002	1ND59-2 Class B ND	CN-1ND-0059	NDE-998 Pipe to Tee ND System Thermal Fatigue Management Program. Examine every 6 years (Reference PIP#C-04-3193)	UT	SS	20	0.250/ 8.000	Component	----
C1.H2.1.0003	1ND59-15 Class B ND	CN-1ND-0059	NDE-998 Pipe to Tee ND System Thermal Fatigue Management Program. Examine every 6 years (Reference PIP#C-04-3193)	UT	SS	20	0.250/ 8.000	Component	----
C1.H2.1.0004	1ND48-23 Class B ND	CN-1ND-0048	NDE-998 Pipe to Elbow ND System Thermal Fatigue Management Program. Examine every 6 years (Reference PIP#C-04-3193)	UT	SS	20	0.250/ 8.000	Component	----
C1.H2.1.0005	1ND48-24 Class B ND	CN-1ND-0048	NDE-998 Pipe to Elbow ND System Thermal Fatigue Management Program. Examine every 6 years (Reference PIP#C-04-3193)	UT	SS	20	0.250/ 8.000	Component	----
C1.H2.1.0006	1ND48-25 Class B ND	CN-1ND-0048	NDE-998 Pipe to Pipe ND System Thermal Fatigue Management Program. Examine every 6 years (Reference PIP#C-04-3193)	UT	SS	20	0.250/ 8.000	Component	----

Summary Num	Component ID Class / System	ISO/DWG Numbers	Procedure Description Comments	Insp Req	Material	Sched	Thick/NPS	Cal Blocks	Componenet ID 2
Category F-A									
C1.F1.10.0002 Rigid Support	1-R-NC-1583 Class 1 NC	CN-1491-NC099 CN-ISIN3-1553-1.0	NDE-66	VT-3	NA		0.000 / 2.000		F01.010.002
C1.F1.10.0003 Rigid Support	1-R-NC-1588 Class 1 NC	CN-1491-NC099 CN-ISIN3-1553-1.0	NDE-66	VT-3	NA		0.000 / 2.000		F01.010.003
C1.F1.10.0014 Rigid Support	1-R-NI-1345 Class 1 NI	CN-1491-NI043 CN-ISIN3-1562-1.3	NDE-66	VT-3	NA		0.000 / 10.000		F01.010.057
C1.F1.10.0015 Rigid Support	1-R-NI-1356 Class 1 NI	CN-1491-NI043 CN-ISIN3-1562-1.3	NDE-66	VT-3	NA		0.000 / 6.000		F01.010.058
C1.F1.10.0016 Rigid Support	1-R-NI-1392 Class 1 NI	CN-1491-NI045 CN-ISIN3-1562-1.1	NDE-66	VT-3	NA		0.000 / 10.000		F01.010.059
C1.F1.10.0017 Rigid Support	1-R-NI-1397 Class 1 NI	CN-1491-NI045 CN-ISIN3-1562-1.1	NDE-66	VT-3	NA		0.000 / 10.000		F01.010.060
C1.F1.10.0021 Rigid Support	1-R-NV-1615 Class 1 NV	CN-1491-NV038 CN-ISIN3-1554-1.0	NDE-66	VT-3	NA		0.000 / 2.000		F01.010.094
C1.F1.10.0022 Rigid Support	1-R-NV-2200 Class 1 NV	CN-1491-NV038 CN-ISIN3-1554-1.0	NDE-66	VT-3	NA		0.000 / 2.000		F01.010.095

Summary Num	Component ID Class / System	ISO/DWG Numbers	Procedure Description Comments	Insp Req	Material	Sched	Thick/NPS	Cal Blocks	Componenet ID 2
Category F-A									
C1.F1.11.0011 Rigid Restraint	1-R-NV-1613 Class 1 NV	CN-1491-NV041 CN-ISIN3-1554-1.0	NDE-66	VT-3	NA		0.000 / 2.000		F01.011.094
C1.F1.12.0008 Spring Hgr	1-R-NC-1581 Class 1 NC	CN-1491-NC099 CN-ISIN3-1553-1.0	NDE-66	VT-3	NA		0.000 / 2.000		F01.012.008
C1.F1.12.0011 Mech Snubber	1-R-NC-1095 Class 1 NC	CN-1491-NC114 CN-ISIN3-1553-1.1	NDE-66	VT-3	NA		0.000 / 2.000		F01.012.011
C1.F1.12.0012 Mech Snubber	1-R-NC-1192 Class 1 NC	CN-1491-NC103 CN-ISIN3-1553-1.0	NDE-66	VT-3	NA		0.000 / 1.500		F01.012.012
C1.F1.12.0013 Mech Snubber	1-R-NC-1487 Class 1 NC	CN-1491-NC104 CN-ISIN3-1553-1.0	NDE-66	VT-3	NA		0.000 / 1.500		F01.012.013
C1.F1.12.0014 Mech Snubber	1-R-NC-1488 Class 1 NC	CN-1491-NC104 CN-ISIN3-1553-1.0	NDE-66	VT-3	NA		0.000 / 1.500		F01.012.014
C1.F1.12.0021 Spring Hgr	1-R-NI-2265 Class 1 NI	CN-1491-NI043 CN-ISIN3-1562-1.3	NDE-66	VT-3	NA		0.000 / 10.000		F01.012.054
C1.F1.12.0023 Spring Hgr	1-R-NI-2263 Class 1 NI	CN-1491-NI043 CN-ISIN3-1562-1.3	NDE-66	VT-3	NA		0.000 / 10.000		F01.012.056

Summary Num	Component ID Class / System	ISO/DWG Numbers	Procedure Description Comments	Insp Req	Material	Sched	Thick/NPS	Cal Blocks	Componenet ID 2
Category F-A									
C1.F1.12.0024 Mech Snubber	1-R-NI-1396 Class 1 NI	CN-1491-NI026 CN-ISIN3-1562-1.1	NDE-66 Mechanical Snubbers (2)	VT-3	NA		0.000 / 10.000		F01.012.057
C1.F1.12.0026 Mech Snubber	1-R-NV-1932 Class 1 NV	CN-1491-NV041 CN-ISIN3-1554-1.0	NDE-66	VT-3	NA		0.000 / 2.000		F01.012.092
C1.F1.12.0027 Mech Snubber	1-R-NV-1918 Class 1 NV	CN-1491-NV041 CN-ISIN3-1554-1.0	NDE-66	VT-3	NA		0.000 / 2.000		F01.012.093
C1.F1.20.0003 Rigid Support	1-R-CA-1086 Class 2 CA	CN-1491-CA003 CN-ISIN3-1592-1.1	NDE-66	VT-3	NA		0.000 / 6.000		F01.020.003
C1.F1.20.0004 Rigid Support	1-R-CA-1089 Class 2 CA	CN-1491-CA003 CN-ISIN3-1592-1.1	NDE-66	VT-3	NA		0.000 / 6.000		F01.020.004
C1.F1.20.0008 Rigid Support	1-R-CA-1690 Class 2 CA	CN-1491-CA010 CN-ISIN3-1592-1.1	NDE-66	VT-3	NA		0.000 / 2.000		F01.020.008
C1.F1.20.0009 Rigid Support	1-R-CA-1692 Class 2 CA	CN-1491-CA010 CN-ISIN3-1592-1.1	NDE-66	VT-3	NA		0.218 / 2.000		F01.020.009
C1.F1.20.0010 Rigid Support	1-R-CA-1699 Class 2 CA	CN-1491-CA021 CN-ISIN3-1592-1.1	NDE-66	VT-3	NA		0.000 / 4.000		F01.020.010

Summary Num	Component ID Class / System	ISO/DWG Numbers	Procedure Description Comments	Insp Req	Material	Sched	Thick/NPS	Cal Blocks	Componenet ID 2
Category F-A									
C1.F1.20.0011 Rigid Support	1-R-CA-1520 Class 2 CA	CN-1491-CA022 CN-ISIN3-1592-1.1	NDE-66	VT-3	NA		0.000 / 4.000		F01.020.011
C1.F1.20.0043 Rigid Support	1-R-NI-1225 Class 2 NI	CN-1491-NI050 CN-ISIN3-1562-1.3	NDE-66	VT-3	NA		0.000 / 6.000		F01.020.063
C1.F1.20.0044 Rigid Support	1-R-NI-1231 Class 2 NI	CN-1491-NI050 CN-ISIN3-1562-1.3	NDE-66	VT-3	NA		0.000 / 6.000		F01.020.064
C1.F1.20.0056 Rigid Support	1-R-NI-0062 Class 2 NI	CN-1492-NI012 CN-ISIN3-1562-1.2	NDE-66	VT-3	NA		0.000 / 6.000		F01.020.076
C1.F1.20.0057 Rigid Support	1-R-NI-0065 Class 2 NI	CN-1492-NI012 CN-ISIN3-1562-1.2	NDE-66	VT-3	NA		0.000 / 6.000		F01.020.077
C1.F1.20.0089 Rigid Support	1-R-NV-1225 Class 2 NV	CN-1491-NV008 CN-ISIN3-1554-1.5	NDE-66	VT-3	NA		0.000 / 2.000		F01.020.147
C1.F1.20.0092 Rigid Support	1-R-NV-1488 Class 2 NV	CN-1491-NV014 CN-ISIN3-1554-1.5	NDE-66	VT-3	NA		0.000 / 2.000		F01.020.150
C1.F1.20.0095 Rigid Support	1-R-NV-0513 Class 2 NV	CN-1492-NV031 CN-ISIN3-1554-1.7	NDE-66	VT-3	NA		0.500 / 6.000		F01.020.153

Summary Num	Component ID Class / System	ISO/DWG Numbers	Procedure Description Comments	Insp Req	Material	Sched	Thick/NPS	Cal Blocks	Componenet ID 2
Category F-A									
C1.F1.20.0117 Rigid Support	1-R-SA-1517 Class 2 SA	CN-1491-SA002 CN-ISIN3-1593-1.1	NDE-66	VT-3	NA		0.000 / 6.000		F01.020.191
C1.F1.20.0118 Rigid Support	1-R-SA-1518 Class 2 SA	CN-1491-SA002 CN-ISIN3-1593-1.1	NDE-66	VT-3	NA		0.000 / 6.000		F01.020.192
C1.F1.20.0120 Rigid Support	1-R-SM-1559 Class 2 SM	CN-1491-SM027 CN-ISIN3-1593-1.0	NDE-66	VT-3	NA		0.750 / 34.000		F01.020.201
C1.F1.21.0002 Rigid Restraint	1-R-CA-1617 Class 2 CA	CN-1491-CA010 CN-ISIN3-1592-1.1	NDE-66	VT-3	NA		0.000 / 2.000		F01.021.002
C1.F1.21.0007 Rigid Restraint	1-R-FW-0061 Class 2 FW	CN-1492-FW002 CN-ISIN3-1571-1.0	NDE-66	VT-3	NA		0.000 / 18.000		F01.021.021
C1.F1.21.0019 Rigid Restraint	1-R-NI-1171 Class 2 NI	CN-1491-NI049 CN-ISIN3-1562-1.3	NDE-66	VT-3	NA		0.000 / 6.000		F01.021.064
C1.F1.21.0020 Rigid Restraint	1-R-NI-1172 Class 2 NI	CN-1491-NI049 CN-ISIN3-1562-1.3	NDE-66	VT-3	NA		0.000 / 8.000		F01.021.065
C1.F1.21.0021 Rigid Restraint	1-R-NI-1217 Class 2 NI	CN-1491-NI049 CN-ISIN3-1562-1.3	NDE-66	VT-3	NA		0.000 / 8.000		F01.021.066

Summary Num	Component ID Class / System	ISO/DWG Numbers	Procedure Description Comments	Insp Req	Material	Sched	Thick/NPS	Cal Blocks	Componenet ID 2
Category F-A									
C1.F1.21.0060	1-R-NV-1224								
	Class 2 NV	CN-1491-NV008	NDE-66	VT-3	NA		0.000 / 2.000		F01.021.145
Rigid Restraint		CN-ISIN3-1554-1.5							
C1.F1.21.0061	1-R-NV-1972								
	Class 2 NV	CN-1491-NV008	NDE-66	VT-3	NA		0.000 / 2.000		F01.021.146
Rigid Restraint		CN-ISIN3-1554-1.5							
C1.F1.21.0062	1-R-NV-1976								
	Class 2 NV	CN-1491-NV008	NDE-66	VT-3	NA		0.000 / 2.000		F01.021.147
Rigid Restraint		CN-ISIN3-1554-1.5							
C1.F1.21.0074	1-R-NV-1486								
	Class 2 NV	CN-1491-NV014	NDE-66	VT-3	NA		0.000 / 2.000		F01.021.159
Rigid Restraint		CN-ISIN3-1554-1.5							
C1.F1.21.0075	1-R-NV-1487								
	Class 2 NV	CN-1491-NV014	NDE-66	VT-3	NA		0.000 / 2.000		F01.021.160
Rigid Restraint		CN-ISIN3-1554-1.5							
C1.F1.21.0076	1-R-NV-1276								
	Class 2 NV	CN-1491-NV018	NDE-66	VT-3	NA		0.000 / 2.000		F01.021.161
Rigid Restraint		CN-ISIN3-1554-1.5							
C1.F1.21.0077	1-R-NV-1277								
	Class 2 NV	CN-1491-NV018	NDE-66	VT-3	NA		0.000 / 2.000		F01.021.162
Rigid Restraint		CN-ISIN3-1554-1.5							
C1.F1.21.0078	1-R-NV-1278								
	Class 2 NV	CN-1491-NV018	NDE-66	VT-3	NA		0.000 / 2.000		F01.021.163
Rigid Restraint		CN-ISIN3-1554-1.5							

Summary Num	Component ID Class / System	ISO/DWG Numbers	Procedure Description Comments	Insp Req	Material	Sched	Thick/NPS	Cal Blocks	Componenet ID 2
Category F-A									
C1.F1.22.0006 Mech Snubber	1-R-CA-1615 Class 2 CA	CN-1491-CA010 CN-ISIN3-1592-1.1	NDE-66	VT-3	NA		0.000 / 2.000		F01.022.006
C1.F1.22.0014 Mech Snubber	1-R-FW-0020 Class 2 FW	CN-1492-FW002 CN-ISIN3-1571-1.0	NDE-66	VT-3	NA		0.000 / 12.000		F01.022.023
C1.F1.22.0026 Spring Hgr	1-R-NI-0277 Class 2 NI	CN-1492-NI012 CN-ISIN3-1562-1.2	NDE-66	VT-3	NA		0.000 / 6.000		F01.022.062
C1.F1.22.0033 Spring Hgr	1-R-NV-0510 Class 2 NV	CN-1492-NV031 CN-ISIN3-1554-1.7	NDE-66	VT-3	NA		0.000 / 6.000		F01.022.144
C1.F1.30.0026 Rigid Support	1-R-KC-0404 Class 3 KC	CN-1492-KC031 CN-ISIN3-1573-1.0	NDE-66	VT-3	NA		0.500 / 20.000		F01.030.064
C1.F1.30.0027 Rigid Support	1-R-KC-0410 Class 3 KC	CN-1492-KC031 CN-ISIN3-1573-1.0	NDE-66	VT-3	NA		0.000 / 20.000		F01.030.065
C1.F1.30.0028 Rigid Support	1-R-KC-0412 Class 3 KC	CN-1492-KC031 CN-ISIN3-1573-1.0	NDE-66	VT-3	NA		0.000 / 20.000		F01.030.066
C1.F1.30.0029 Rigid Support	1-R-KC-0357 Class 3 KC	CN-1492-KC039 CN-ISIN3-1573-1.2	NDE-66	VT-3	NA		0.000 / 14.000		F01.030.067

Summary Num	Component ID Class / System	ISO/DWG Numbers	Procedure Description Comments	Insp Req	Material	Sched	Thick/NPS	Cal Blocks	Componenet ID 2
Category F-A									
C1.F1.30.0030 Rigid Support	1-R-KC-0359 Class 3 KC	CN-1492-KC039 CN-ISIN3-1573-1.2	NDE-66	VT-3	NA		0.000 / 14.000		F01.030.068
C1.F1.30.0031 Rigid Support	1-R-KC-0361 Class 3 KC	CN-1492-KC039 CN-ISIN3-1573-1.2	NDE-66	VT-3	NA		0.000 / 14.000		F01.030.069
C1.F1.30.0032 Rigid Support	1-R-KC-0362 Class 3 KC	CN-1492-KC039 CN-ISIN3-1573-1.2	NDE-66	VT-3	NA		0.000 / 14.000		F01.030.070
C1.F1.30.0033 Rigid Support	1-R-KC-0204 Class 3 KC	CN-1492-KC041 CN-ISIN3-1573-1.0	NDE-66	VT-3	NA		0.750 / 20.000		F01.030.071
C1.F1.30.0034 Rigid Support	1-R-KC-0205 Class 3 KC	CN-1492-KC041 CN-ISIN3-1573-1.0	NDE-66	VT-3	NA		0.000 / 20.000		F01.030.072
C1.F1.30.0035 Rigid Support	1-R-KC-0224 Class 3 KC	CN-1492-KC041 CN-ISIN3-1573-1.0	NDE-66	VT-3	NA		0.000 / 16.000		F01.030.073
C1.F1.30.0036 Rigid Support	1-R-KC-0306 Class 3 KC	CN-1492-KC045 CN-ISIN3-1573-1.0	NDE-66	VT-3	NA		0.000 / 10.000		F01.030.074
C1.F1.30.0037 Rigid Support	1-R-KC-0307 Class 3 KC	CN-1492-KC045 CN-ISIN3-1573-1.0	NDE-66	VT-3	NA		0.000 / 10.000		F01.030.075

Summary Num	Component ID Class / System	ISO/DWG Numbers	Procedure Description Comments	Insp Req	Material	Sched	Thick/NPS	Cal Blocks	Componenet ID 2
Category F-A									
C1.F1.30.0038 Rigid Support	1-R-KC-0308 Class 3 KC	CN-1492-KC045 CN-ISIN3-1573-1.0	NDE-66	VT-3	NA		0.000 / 10.000		F01.030.076
C1.F1.30.0056 Rigid Support	1-R-KD-0037 Class 3 KD	CN-1493-KD003 CN-ISIN3-1609-1.0	NDE-66	VT-3	NA		0.000 / 8.000		F01.030.102
C1.F1.30.0063 Rigid Support	1-R-LD-0016 Class 3 LD	CN-1493-LD021 CN-ISIN3-1609-2.0	NDE-66	VT-3	NA		0.000 / 6.000		F01.030.122
C1.F1.30.0064 Rigid Support	1-R-LD-0018 Class 3 LD	CN-1493-LD021 CN-ISIN3-1609-2.0	NDE-66	VT-3	NA		0.500 / 6.000		F01.030.123
C1.F1.31.0004 Rigid Restraint	1-R-KC-1478 Class 3 KC	CN-1491-KC006 CN-ISIN3-1573-1.7	NDE-66 Examine with C1.D1.20.0005.	VT-3	NA		1.125 / 8.000		F01.031.052
C1.F1.31.0006 Rigid Restraint	1-R-KC-0314 Class 3 KC	CN-1492-KC045 CN-ISIN3-1573-1.0	NDE-66	VT-3	NA		0.000 / 10.000		F01.031.054
C1.F1.31.0007 Rigid Restraint	1-R-KC-0319 Class 3 KC	CN-1492-KC045 CN-ISIN3-1573-1.0	NDE-66	VT-3	NA		0.000 / 8.000		F01.031.055
C1.F1.32.0002 Mech Snubber	1-R-CA-0288 Class 3 CA	CN-1492-CA015 CN-ISIN3-1592-1.0	NDE-66	VT-3	NA		0.237 / 8.000		F01.032.002

Summary Num	Component ID Class / System	ISO/DWG Numbers	Procedure Description Comments	Insp Req	Material	Sched	Thick/NPS	Cal Blocks	Componenet ID 2
Category F-A									
C1.F1.32.0003 Spring Hgr	1-R-CA-0298 Class 3 CA	CN-1492-CA015 CN-ISIN3-1592-1.0	NDE-66	VT-3	NA		0.237 / 8.000		F01.032.003
C1.F1.32.0008 Spring Hgr	1-R-KC-0433 Class 3 KC	CN-1492-KC032 CN-ISIN3-1573-1.0	NDE-66	VT-3	NA		0.280 / 16.000		F01.032.053
C1.F1.32.0017 Mech Snubber	1-R-KD-0122 Class 3 KD	CN-1493-KD062 CN-ISIN3-1609-1.0	NDE-66	VT-3	NA		0.000 / 8.000		F01.032.105
C1.F1.32.0022 Mech Snubber	1-R-RN-0311 Class 3 RN	CN-1492-RN090 CN-ISIN3-1574-2.1	NDE-66	VT-3	NA		0.000 / 20.000		F01.032.152
C1.F1.32.0027 Spring Hgr	1-R-TE-1504 Class 3 TE	CN-1491-TE001 CN-ISIN3-1593-1.2	NDE-66	VT-3	NA		0.750 / 16.000		F01.032.201

Examine with C1.D1.20.0013.

End of Report

STATISTICS ONLY Class 1 178 Class 2 145 Class 3 35 Total by Class 358 Systems 365 Total Count 365

4.0 *Results Of Inspections Performed*

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

4.1 Reportable Indications

One reportable indication was discovered by ultrasonic testing (UT) during the ISI inspection of piping weld 1NI235-42.

4.2 Corrective Action

Corrective action is action taken to resolve flaws and relevant conditions, including supplemental examinations, analytical evaluations, repair / replacement activities, and corrective measures. There was one reportable condition corrected by a repair / replacement activity during this report period. PIP Serial Number C-09-07334 was written to track these corrective actions. Plan Addendum 3CNS1-040 was written to add the additional examinations as required by IWB-2430(a), Additional Examinations.

4.3 Corrective Measures

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

4.4 Limited Examinations

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

Summary Number	Description of Limitation
C1.C1.30.0008	Reference PIP Serial Number C-10-01123
C1.C1.30.0009	Reference PIP Serial Number C-10-01123
C1.C5.11.0001	Reference PIP Serial Number C-10-01123
C1.C5.11.0002	Reference PIP Serial Number C-10-01123

DUKE ENERGY CORPORATION
QUALITY ASSURANCE TECHNICAL SERVICES
Inservice Inspection Database Management System
Inspection Results
Catawba 1, 3rd Interval, Outage 3 (EOC-18)

Catawba 1 Outage 3 (EOC18) Inspection Results

Summary No	Component ID	System	Insp Date	Insp Status	Insp Limited	Geo Ref	RFR	Comment
C1.B12.50.0018	INI-82	NI	11/26/09	CLR	N	N	N	VT-09-343
C1.B12.50.0027	INI-160	NI	12/07/09	CLR	N	N	N	VT-09-383
								Examination was performed but will not be credited in examination category percentages.
C1.B12.50.0028	INI-175	NI	11/25/09	CLR	N	N	N	VT-09-342
C1.B15.80.0001	1RPV-BMI-NOZZLE	NC	11/11/09	CLR	N	N	N	VT-09-235
C1.B3.140.0007	1SGD-INLET	NC	11/23/09	CLR	N	N	N	UT-09-176
C1.B3.140.0008	1SGD-OUTLET	NC	11/23/09	CLR	N	N	N	UT-09-177
C1.B4.10.0001	1RPV-HEAD-SURFACE	NC	11/27/09	CLR	N	N	N	VT-09-384
C1.B5.70.0003	1SGB-INLET-W5SE	NC	11/27/09	CLR	N	N	N	PT-09-116
		NC	11/29/09	CLR	Y	N	N	UT-09-189
								Percent of coverage obtained > 90%.
C1.B5.70.0004	1SGB-OUTLET-W6SE	NC	11/27/09	CLR	N	N	N	PT-09-117
		NC	11/29/09	CLR	Y	N	N	UT-09-190
								Percent of coverage obtained > 90%.

Summary No	Component ID	System	Insp Date	Insp Status	Insp Limited	Geo Ref	RFR	Comment
C1.B5.70.0007	1SGD-INLET-W5SE	NC	11/23/09	CLR	N	N	N	PT-09-107
		NC	11/24/09	CLR	Y	N	N	UT-09-184
								Percent of coverage obtained > 90%.
C1.B5.70.0008	1SGD-OUTLET-W6SE	NC	11/23/09	CLR	N	N	N	PT-09-108
		NC	11/24/09	CLR	Y	N	N	UT-09-185
								Percent of coverage obtained > 90%.
C1.B6.10.0019	1RPV-743-32-19	NC	12/02/09	CLR	N	N	N	VT-09-365
C1.B6.10.0020	1RPV-743-32-20	NC	12/02/09	CLR	N	N	N	VT-09-366
C1.B6.10.0021	1RPV-743-32-21	NC	12/02/09	CLR	N	N	N	VT-09-367
C1.B6.10.0022	1RPV-743-32-22	NC	12/02/09	CLR	N	N	N	VT-09-368
C1.B6.10.0023	1RPV-743-32-23	NC	12/02/09	CLR	N	N	N	VT-09-374
C1.B6.10.0024	1RPV-743-32-24	NC	12/02/09	CLR	N	N	N	VT-09-375
C1.B6.10.0025	1RPV-743-32-25	NC	12/02/09	CLR	N	N	N	VT-09-376
C1.B6.10.0026	1RPV-743-32-26	NC	12/02/09	CLR	N	N	N	VT-09-378
C1.B6.10.0027	1RPV-589-32-S6	NC	12/03/09	CLR	N	N	N	VT-09-372
C1.B6.10.0028	1RPV-743-32-28	NC	12/03/09	CLR	N	N	N	VT-09-373

Summary No	Component ID	System	Insp Date	Insp Status	Insp Limited	Geo Ref	RFR	Comment
C1.B6.10.0029	1RPV-743-32-29	NC	12/03/09	CLR	N	N	N	VT-09-371
C1.B6.10.0030	1RPV-743-32-30	NC	12/03/09	CLR	N	N	N	VT-09-370
C1.B6.10.0031	1RPV-743-32-31	NC	12/03/09	CLR	N	N	N	VT-09-369
C1.B6.10.0032	1RPV-743-32-32	NC	12/03/09	CLR	N	N	N	VT-09-354
C1.B6.10.0033	1RPV-743-32-33	NC	12/03/09	CLR	N	N	N	VT-09-350
C1.B6.10.0034	1RPV-743-32-34	NC	12/03/09	CLR	N	N	N	VT-09-351
C1.B6.10.0035	1RPV-743-32-35	NC	12/03/09	CLR	N	N	N	VT-09-352
C1.B6.10.0036	1RPV-743-32-36	NC	12/03/09	CLR	N	N	N	VT-09-353
C1.B6.30.0019	1RPV-743-31-19	NC	12/02/09	CLR	N	N	N	UT-09-208
C1.B6.30.0020	1RPV-743-31-20	NC	12/02/09	CLR	N	N	N	UT-09-209
C1.B6.30.0021	1RPV-743-31-21	NC	12/02/09	CLR	N	N	N	UT-09-210
C1.B6.30.0022	1RPV-743-31-22	NC	12/02/09	CLR	N	N	N	UT-09-211
C1.B6.30.0023	1RPV-743-31-23	NC	12/02/09	CLR	N	N	N	UT-09-212
C1.B6.30.0024	1RPV-743-31-24	NC	12/02/09	CLR	N	N	N	UT-09-213

Summary No	Component ID	System	Insp Date	Insp Status	Insp Limited	Geo Ref	RFR	Comment
C1.B6.30.0025	1RPV-743-31-25	NC	12/02/09	CLR	N	N	N	UT-09-214
C1.B6.30.0026	1RPV-743-31-26	NC	12/02/09	CLR	N	N	N	UT-09-215
C1.B6.30.0027	1RPV-589-31-S6	NC	12/03/09	CLR	N	N	N	UT-09-230
C1.B6.30.0028	1RPV-743-31-28	NC	12/03/09	CLR	N	N	N	UT-09-231
C1.B6.30.0029	1RPV-743-S1	NC	12/03/09	CLR	N	N	N	UT-09-278
C1.B6.30.0030	1RPV-743-31-30	NC	12/03/09	CLR	N	N	N	UT-09-232
C1.B6.30.0031	1RPV-743-31-31	NC	12/03/09	CLR	N	N	N	UT-09-233
C1.B6.30.0032	1RPV-743-31-32	NC	12/03/09	CLR	N	N	N	UT-09-234
C1.B6.30.0033	1RPV-743-31-33	NC	12/03/09	CLR	N	N	N	UT-09-235
C1.B6.30.0034	1RPV-743-31-34	NC	12/03/09	CLR	N	N	N	UT-09-236
C1.B6.30.0035	1RPV-743-31-35	NC	12/03/09	CLR	N	N	N	UT-09-237
C1.B6.30.0036	1RPV-743-31-36	NC	12/03/09	CLR	N	N	N	UT-09-238
C1.B6.50.0019	1RPV-743-33-19	NC	12/02/09	CLR	N	N	N	VT-09-361
C1.B6.50.0020	1RPV-743-33-20	NC	12/02/09	CLR	N	N	N	VT-09-362

Summary No	Component ID	System	Insp Date	Insp Status	Insp Limited	Geo Ref	RFR	Comment
C1.B6.50.0021	1RPV-743-33-21	NC	12/02/09	CLR	N	N	N	VT-09-363
C1.B6.50.0022	1RPV-743-33-22	NC	12/02/09	CLR	N	N	N	VT-09-364
C1.B6.50.0023	1RPV-743-33-23	NC	12/02/09	CLR	N	N	N	VT-09-377
C1.B6.50.0024	1RPV-743-33-24	NC	12/02/09	CLR	N	N	N	VT-09-381
C1.B6.50.0025	1RPV-743-33-25	NC	12/02/09	CLR	N	N	N	VT-09-379
C1.B6.50.0026	1RPV-743-33-26	NC	12/02/09	CLR	N	N	N	VT-09-380
C1.B6.50.0027	1RPV-589-33-S6	NC	12/03/09	CLR	N	N	N	VT-09-360
C1.B6.50.0028	1RPV-743-33-28	NC	12/03/09	CLR	N	N	N	VT-09-359
C1.B6.50.0029	1RPV-743-33-29	NC	12/03/09	CLR	N	N	N	VT-09-358
C1.B6.50.0030	1RPV-743-33-30	NC	12/03/09	CLR	N	N	N	VT-09-357
C1.B6.50.0031	1RPV-743-33-31	NC	12/03/09	CLR	N	N	N	VT-09-356
C1.B6.50.0032	1RPV-743-33-32	NC	12/03/09	CLR	N	N	N	VT-09-355
C1.B6.50.0033	1RPV-743-33-33	NC	12/03/09	CLR	N	N	N	VT-09-346
C1.B6.50.0034	1RPV-743-33-34	NC	12/03/09	CLR	N	N	N	VT-09-347

Summary No	Component ID	System	Insp Date	Insp Status	Insp Limited	Geo Ref	RFR	Comment
C1.B6.50.0035	1RPV-743-33-35	NC	12/03/09	CLR	N	N	N	VT-09-348
C1.B6.50.0036	1RPV-743-33-36	NC	12/02/09	CLR	N	N	N	VT-09-349
C1.B7.10.0005	1RPV-CETNA-78	NC	12/06/09	CLR	N	N	N	VT-09-382
C1.B7.50.0008	1NV550-MJ1	NV	12/03/09	CLR	N	N	N	VT-09-344
C1.B7.50.0009	1NV550-MJ2	NV	12/03/09	CLR	N	N	N	VT-09-345
C1.B7.70.0002	1NC-27	NC	11/14/09	CLR	N	N	N	VT-09-236
C1.B9.11.0036	1NC33-2	NC	11/29/09	CLR	N	N	N	PT-09-120
		NC	11/29/09	CLR	N	N	N	UT-09-191
C1.B9.11.0042	1NC46-2	NC	11/25/09	CLR	N	N	N	PT-09-111
		NC	11/25/09	CLR	N	N	N	UT-09-178
C1.B9.11.0043	1NC46-3	NC	11/25/09	CLR	N	N	N	PT-09-112
		NC	11/25/09	CLR	Y	N	N	UT-09-179
								Percent of coverage obtained > 90%.
C1.B9.11.0044	1NC46-11	NC	11/25/09	CLR	N	N	N	PT-09-113
		NC	11/25/09	CLR	N	Y	N	UT-09-182
C1.B9.11.0045	1NC46-12	NC	11/25/09	CLR	N	N	N	PT-09-114

Summary No	Component ID	System	Insp Date	Insp Status	Insp Limited	Geo Ref	RFR	Comment
C1.B9.11.0045	1NC46-12	NC	11/25/09	CLR	N	Y	N	UT-09-183
C1.B9.11.0057	1NC173-3	NC	12/01/09	CLR	N	N	N	PT-09-128
		NC	12/01/09	CLR	N	N	N	UT-09-194
C1.B9.11.0058	1NC173-4	NC	12/01/09	CLR	N	N	N	PT-09-129
		NC	12/01/09	CLR	N	N	N	UT-09-195
C1.B9.11.0059	1NC173-5	NC	12/01/09	CLR	N	N	N	PT-09-130
		NC	12/01/09	CLR	N	N	N	UT-09-196
C1.B9.11.0060	1NC173-6	NC	12/01/09	CLR	N	N	N	PT-09-131
		NC	12/01/09	CLR	N	N	N	UT-09-197
C1.B9.11.0071	1NI9-4	NI	12/03/09	CLR	N	N	N	UT-09-270
C1.B9.11.0072	1NI9-7	NI	12/03/09	CLR	Y	N	N	UT-09-271
								Percent of coverage obtained > 90%.
C1.B9.11.0073	1NI9-8	NI	12/03/09	CLR	N	N	N	UT-09-272
C1.B9.11.0074	1NI9-9	NI	12/03/09	CLR	N	N	N	UT-09-273
C1.B9.11.0076	1NI32-3	NI	12/03/09	CLR	N	N	N	UT-09-259
C1.B9.11.0077	1NI32-4	NI	12/03/09	CLR	N	N	N	UT-09-260

Summary No	Component ID	System	Insp Date	Insp Status	Insp Limited	Geo Ref	RFR	Comment
C1.B9.11.0078	1NI32-5	NI	12/03/09	CLR	Y	N	N	UT-09-261 Percent of coverage obtained > 90%.
C1.B9.11.0079	1NI148-3	NI	12/04/09	CLR	N	N	N	UT-09-257
C1.B9.11.0080	1NI148-4	NI	12/04/09	CLR	N	N	N	UT-09-258
C1.B9.11.0086	1NI149-4	NI	12/03/09	CLR	N	N	N	UT-09-292
C1.B9.11.0087	1NI149-6	NI	12/03/09	CLR	N	N	N	UT-09-293
C1.B9.11.0088	1NI149-7	NI	12/03/09	CLR	N	N	N	UT-09-294
C1.B9.11.0089	1NI149-8	NI	12/03/09	CLR	N	N	N	UT-09-295
C1.B9.11.0090	1NI152-2	NI	12/03/09	CLR	N	N	N	UT-09-262
C1.B9.11.0091	1NI152-3	NI	12/03/09	CLR	N	N	N	UT-09-263
C1.B9.11.0092	1NI152-17	NI	12/03/09	CLR	N	N	N	UT-09-264
C1.B9.11.0093	1NI152-18	NI	12/03/09	CLR	N	N	N	UT-09-265
C1.B9.11.0094	1NI153-2	NI	12/02/09	CLR	N	N	N	UT-09-241
C1.B9.11.0095	1NI153-6	NI	12/03/09	CLR	N	N	N	UT-09-253
C1.B9.11.0100	1NI163-3	NI	12/03/09	CLR	N	N	N	UT-09-245

Summary No	Component ID	System	Insp Date	Insp Status	Insp Limited	Geo Ref	RFR	Comment
C1.B9.11.0101	1NI163-4	NI	12/03/09	CLR	N	N	N	UT-09-246
C1.B9.11.0102	1NI166-9	NI	12/03/09	CLR	N	N	N	UT-09-254
C1.B9.11.0103	1NI166-10	NI	12/03/09	CLR	N	N	N	UT-09-255
C1.B9.11.0104	1NI166-15	NI	12/03/09	CLR	N	N	N	UT-09-256
C1.B9.11.0105	1NI235-42	NI	11/30/09	CLR	N	N	N	PT-09-132
		NI	11/30/09	REJ	N	N	N	UT-09-229
								Reference PIP C-09-07334 for corrective actions taken to address rejectable indication.
C1.B9.11.0107	1NI237-2	NI	12/02/09	CLR	N	N	N	UT-09-242
C1.B9.11.0108	1NI237-6	NI	12/02/09	CLR	N	N	N	UT-09-243
C1.B9.11.0109	1NI237-7	NI	12/02/09	CLR	N	N	N	UT-09-244
C1.B9.11.0110	1NI237-9	NI	12/02/09	CLR	N	N	N	UT-09-274
C1.B9.11.0112	1NI240-8	NI	12/03/09	CLR	N	N	N	UT-09-247
C1.B9.11.0113	1NI240-10	NI	12/03/09	CLR	N	N	N	UT-09-248
C1.B9.11.0114	1NI240-11	NI	12/03/09	CLR	N	N	N	UT-09-249
C1.B9.11.0115	1NI241-4	NI	12/02/09	CLR	N	N	N	UT-09-250

Summary No	Component ID	System	Insp Date	Insp Status	Insp Limited	Geo Ref	RFR	Comment
C1.B9.11.0116	1NI241-6	NI	12/02/09	CLR	N	N	N	UT-09-251
C1.B9.11.0117	1NI241-8	NI	12/02/09	CLR	N	N	N	UT-09-252
C1.B9.11.0213	1NI241-9	NI	12/02/09	CLR	N	N	N	UT-09-275
C1.B9.11.0380	1NI236-52	NI	12/02/09	CLR	N	N	N	UT-09-240
C1.B9.21.0028	1NI235-3	NI	11/30/09	CLR	N	N	N	PT-09-133
C1.B9.21.0033	1NV487-RCP1A-1	NV	11/26/09	CLR	N	N	N	PT-09-115
C1.C1.10.0001	1BRHRHX-5-9	ND	12/10/09	CLR	N	N	N	VT-09-385 See Pressure Test Program for additional results. Reference Code Case N-706.
C1.C1.10.0004	1BNSHX-50-51A	NS	12/05/09	CLR	N	Y	N	UT-09-285
C1.C1.10.0006	1ARHRHX-5-9	ND	12/09/09	CLR	N	N	N	VT-09-386 See Pressure Test Program for additional results. Reference Code Case N-706.
C1.C1.20.0001	1ARHRHX-5-6	ND	12/09/09	CLR	N	N	N	VT-09-387 See Pressure Test Program for additional results. Reference Code Case N-706.
C1.C1.20.0004	1REGHX-SH1-HD1	NV	12/13/09	CLR	N	N	N	VT-09-388 See Pressure Test Program for additional results. Reference Code Case N-706.
C1.C1.20.0005	1REGHX-SH1-HD2	NV	12/13/09	CLR	N	N	N	VT-09-389 See Pressure Test Program for additional results. Reference Code Case N-706.

Summary No	Component ID	System	Insp Date	Insp Status	Insp Limited	Geo Ref	RFR	Comment
C1.C1.20.0006	1REGHX-SH2-HD1	NV	12/13/09	CLR	N	N	N	VT-09-390 See Pressure Test Program for additional results. Reference Code Case N-706.
C1.C1.20.0007	1REGHX-SH2-HD2	NV	12/13/09	CLR	N	N	N	VT-09-391 See Pressure Test Program for additional results. Reference Code Case N-706.
C1.C1.20.0008	1REGHX-SH3-HD1	NV	12/13/09	CLR	N	N	N	VT-09-392 See Pressure Test Program for additional results. Reference Code Case N-706.
C1.C1.20.0009	1REGHX-SH3-HD2	NV	12/13/09	CLR	N	N	N	VT-09-393 See Pressure Test Program for additional results. Reference Code Case N-706.
C1.C1.20.0018	1BRHRHX-5-6	ND	12/10/09	CLR	N	N	N	VT-09-394 See Pressure Test Program for additional results. Reference Code Case N-706.
C1.C1.30.0001	1REGHX-SH1-TS	NV	12/13/09	CLR	N	N	N	VT-09-395 See Pressure Test Program for additional results. Reference Code Case N-706.
C1.C1.30.0002	1REGHX-SH2-TS	NV	12/13/09	CLR	N	N	N	VT-09-396 See Pressure Test Program for additional results. Reference Code Case N-706.
C1.C1.30.0003	1REGHX-SH3-TS	NV	12/13/09	CLR	N	N	N	VT-09-410 See Pressure Test Program for additional results. Reference Code Case N-706.
C1.C1.30.0004	1REGHX-TS-SH1	NV	12/13/09	CLR	N	N	N	VT-09-397 See Pressure Test Program for additional results. Reference Code Case N-706.

Summary No	Component ID	System	Insp Date	Insp Status	Insp Limited	Geo Ref	RFR	Comment
C1.C1.30.0005	1REGHX-TS-SH2	NV	12/13/09	CLR	N	N	N	VT-09-398 See Pressure Test Program for additional results. Reference Code Case N-706.
C1.C1.30.0006	1REGHX-TS-SH3	NV	12/13/09	CLR	N	N	N	VT-09-399 See Pressure Test Program for additional results. Reference Code Case N-706.
C1.C1.30.0008	1BNSHX-2B-51C	NS	12/05/09	CLR	Y	Y	Y	UT-09-283 Percent of coverage obtained is less than 90%. Reference PIP No. C-10-01123.
C1.C1.30.0009	1BNSHX-2A-50	NS	12/05/09	CLR	Y	Y	Y	UT-09-284 Percent of coverage obtained is less than 90%. Reference PIP No. C-10-01123.
C1.C2.21.0003	1ARHRHX-5-A	ND	12/09/09	CLR	N	N	N	VT-09-400 See Pressure Test Program for additional results. Reference Code Case N-706.
C1.C2.21.0004	1ARHRHX-5-B	ND	12/09/09	CLR	N	N	N	VT-09-401
C1.C2.21.0007	1BRHRHX-5-A	ND	12/10/09	CLR	N	N	N	VT-09-402 See Pressure Test Program for additional results. Reference Code Case N-706.
C1.C2.21.0009	1BRHRHX-5-B	ND	12/10/09	CLR	N	N	N	VT-09-403 See Pressure Test Program for additional results. Reference Code Case N-706.
C1.C3.20.0001	1-R-CA-1692	CA	11/27/09	CLR	N	N	N	PT-09-121
C1.C3.20.0014	1-R-SM-1559	SM	11/17/09	CLR	N	N	N	MT-09-052
C1.C5.11.0001	1SGD-W261	CA	11/27/09	CLR	N	N	N	PT-09-122

Summary No	Component ID	System	Insp Date	Insp Status	Insp Limited	Geo Ref	RFR	Comment
C1.C5.11.0001	1SGD-W261	CA	12/01/09	CLR	Y	N	Y	UT-09-207
								Percent of coverage obtained less than 90%. Reference PIP No. C-10-1123.
C1.C5.11.0002	1CA66-35	CA	12/05/09	CLR	N	N	N	PT-09-110
		CA	12/05/09	CLR	Y	Y	Y	UT-09-277
								Percent of coverage obtained less than 90%. Reference PIP No. C-10-01123.
C1.C5.11.0061	1ND57-26	ND	12/09/09	CLR	N	N	N	VT-09-404
								See Pressure Test Program for additional results. Reference Code Case N-706.
C1.C5.11.0062	1ND59-12	ND	12/09/09	CLR	N	N	N	VT-09-405
								See Pressure Test Program for additional results. Reference Code Case N-706.
C1.C5.11.0097	1NI24-1	NI	11/30/09	CLR	N	N	N	PT-09-127
		NI	11/30/09	CLR	N	N	N	UT-09-193
C1.C5.11.0350	1ND64-1	ND	12/10/09	CLR	N	N	N	VT-09-406
								See Pressure Test Program for additional results. Reference Code Case N-706.
C1.C5.11.0868	1ND51-1	ND	12/10/09	CLR	N	N	N	VT-09-407
								See Pressure Test Program for additional results. Reference Code Case N-706.
C1.C5.11.1203	1ND3-4	ND	11/28/09	CLR	N	N	N	PT-09-118
		ND	11/28/09	CLR	N	N	N	UT-09-188
C1.C5.11.1207	1ND3-7	ND	11/28/09	CLR	N	N	N	PT-09-119

Summary No	Component ID	System	Insp Date	Insp Status	Insp Limited	Geo Ref	RFR	Comment
C1.C5.11.1207	1ND3-7	ND	12/04/09	CLR	N	N	N	UT-09-239
C1.C5.21.0038	1NV140-2	NV	11/30/09	CLR	N	N	N	PT-09-123
		NV	12/01/09	CLR	N	N	N	UT-09-228
C1.C5.21.0039	1NV140-3	NV	11/30/09	CLR	N	N	N	PT-09-125
		NV	12/01/09	CLR	N	N	N	UT-09-226
C1.C5.21.0040	1NV140-4	NV	11/30/09	CLR	N	N	N	PT-09-126
		NV	12/01/09	CLR	N	N	N	UT-09-225
C1.C5.21.0041	1NV140-5	NV	11/30/09	CLR	N	N	N	PT-09-124
		NV	12/01/09	CLR	N	N	N	UT-09-227
C1.C5.21.0042	1NV141-2	NV	11/19/09	CLR	N	N	N	PT-09-104
		NV	11/19/09	CLR	N	N	N	UT-09-170
C1.C5.21.0043	1NV141-3	NV	11/19/09	CLR	N	N	N	PT-09-103
		NV	11/19/09	CLR	N	N	N	UT-09-171
C1.C5.21.0044	1NV141-6	NV	11/19/09	CLR	N	N	N	PT-09-102
		NV	11/19/09	CLR	N	N	N	UT-09-172
C1.C5.21.0045	1NV141-7	NV	11/19/09	CLR	N	N	N	PT-09-101

Summary No	Component ID	System	Insp Date	Insp Status	Insp Limited	Geo Ref	RFR	Comment
C1.C5.21.0045	1NV141-7	NV	11/19/09	CLR	N	N	N	UT-09-175
C1.C5.21.0052	1NV152-14	NV	11/19/09	CLR	N	N	N	PT-09-105
		NV	11/19/09	CLR	N	N	N	UT-09-167
C1.C5.21.0053	1NV153-2	NV	11/19/09	CLR	N	N	N	PT-09-106
		NV	11/19/09	CLR	N	N	N	UT-09-168
C1.C5.51.0002	1CA66-11	CA	11/24/09	CLR	N	N	N	MT-09-056
		CA	11/26/09	CLR	N	N	N	UT-09-181
C1.C5.51.0016	1CA101-1	CA	11/20/09	CLR	N	N	N	MT-09-053
		CA	11/20/09	CLR	N	N	N	UT-09-169
C1.C5.51.0023	1CF40-1	CF	11/24/09	CLR	N	N	N	MT-09-057
		CF	11/27/09	CLR	N	N	N	UT-09-186
C1.C5.51.0038	1SM27-3	SM	11/16/09	CLR	N	N	N	MT-09-035
		SM	11/17/09	CLR	N	N	N	UT-09-165
C1.C5.51.0039	1SM27-4	SM	11/16/09	CLR	N	N	N	MT-09-036
		SM	11/17/09	CLR	N	N	N	UT-09-166
C1.C5.51.0040	1SM-8B-C	SM	11/16/09	CLR	N	N	N	MT-09-050

Summary No	Component ID	System	Insp Date	Insp Status	Insp Limited	Geo Ref	RFR	Comment
C1.C5.51.0040	1SM-8B-C	SM	11/14/09	CLR	N	N	N	UT-09-154
C1.C5.51.0041	1SM-8B-D	SM	11/16/09	CLR	N	N	N	MT-09-051
		SM	11/14/09	CLR	N	N	N	UT-09-155
C1.C5.51.0042	1SM29-36	SM	11/26/09	CLR	N	N	N	MT-09-060
		SM	11/27/09	CLR	N	Y	N	UT-09-192
C1.C5.51.0053	1SV19-2	SV	11/14/09	CLR	N	N	N	MT-09-037
		SV	11/14/09	CLR	N	N	N	UT-09-161
C1.C5.61.0009	1CA69-18	CA	11/27/09	CLR	N	N	N	MT-09-058
		CA	11/30/09	CLR	N	Y	N	UT-09-206
C1.C5.61.0010	1CA71-1	CA	11/24/09	CLR	N	N	N	MT-09-061
		CA	11/26/09	CLR	N	N	N	UT-09-187
C1.C5.61.0016	1CA91-10	CA	11/17/09	CLR	N	N	N	MT-09-055
		CA	11/17/09	CLR	N	Y	N	UT-09-174
C1.C5.70.0016	1CA95-16	CA	11/17/09	CLR	N	N	N	PT-09-100
C1.C5.81.0001	1SM-5B-C	SM	11/15/09	CLR	N	N	N	MT-09-038

Summary No	Component ID	System	Insp Date	Insp Status	Insp Limited	Geo Ref	RFR	Comment
C1.C6.20.0002	1CF-33	CF	11/18/09	CLR	N	N	N	MT-09-054
C1.C6.20.0012	1NI-103A	NI	11/14/09	CLR	N	N	N	PT-09-098
C1.C6.20.0014	1NV-91B	NV	11/24/09	CLR	N	N	N	PT-09-109
C1.C6.20.0020	1SV-11	SV	11/14/09	CLR	N	N	N	PT-09-099
C1.D1.20.0005	1-R-KC-1478	KC	11/20/09	CLR	N	N	N	VT-09-338
C1.D1.20.0013	1-R-TE-1504	TE	11/25/09	CLR	N	N	N	VT-09-341
C1.F1.10.0002	1-R-NC-1583	NC	11/24/09	CLR	N	N	N	VT-09-257
C1.F1.10.0003	1-R-NC-1588	NC	11/20/09	REC	N	N	N	VT-09-258 Condition found acceptable based on Evaluation Report No. EV-09-031 by Mark Shutt on 11/27/2009.
C1.F1.10.0014	1-R-NI-1345	NI	11/20/09	CLR	N	N	N	VT-09-259
C1.F1.10.0015	1-R-NI-1356	NI	11/20/09	CLR	N	N	N	VT-09-260
C1.F1.10.0016	1-R-NI-1392	NI	11/20/09	CLR	N	N	N	VT-09-261
C1.F1.10.0017	1-R-NI-1397	NI	11/20/09	CLR	N	N	N	VT-09-262
C1.F1.10.0021	1-R-NV-1615	NV	11/24/09	REC	N	N	N	VT-09-263 Condition found acceptable based on Evaluation Report No. EV-09-030 by Mark Shutt on 11/27/2009.

Summary No	Component ID	System	Insp Date	Insp Status	Insp Limited	Geo Ref	RFR	Comment
C1.F1.10.0022	1-R-NV-2200	NV	11/20/09	CLR	N	N	N	VT-09-264
C1.F1.11.0011	1-R-NV-1613	NV	11/24/09	REC	N	N	N	VT-09-265 Condition found acceptable based on Evaluation Report No. EV-09-032 by Mark Shutt on 11/27/2009.
C1.F1.12.0008	1-R-NC-1581	NC	11/20/09	CLR	N	N	N	VT-09-266
C1.F1.12.0011	1-R-NC-1095	NC	11/20/09	CLR	N	N	N	VT-09-267
C1.F1.12.0012	1-R-NC-1192	NC	11/24/09	CLR	N	N	N	VT-09-268
C1.F1.12.0013	1-R-NC-1487	NC	11/20/09	CLR	N	N	N	VT-09-269
C1.F1.12.0014	1-R-NC-1488	NC	11/20/09	CLR	N	N	N	VT-09-270
C1.F1.12.0021	1-R-NI-2265	NI	11/20/09	CLR	N	N	N	VT-09-271
C1.F1.12.0023	1-R-NI-2263	NI	11/20/09	CLR	N	N	N	VT-09-272
C1.F1.12.0024	1-R-NI-1396	NI	11/20/09	CLR	N	N	N	VT-09-273
C1.F1.12.0026	1-R-NV-1932	NV	11/24/09	REC	N	N	N	VT-09-274 Condition found acceptable based on Evaluation Report No. EV-09-033 by Mark Shutt on 11/27/2009.
C1.F1.12.0027	1-R-NV-1918	NV	11/24/09	REC	N	N	N	VT-09-275 Condition found acceptable based on Evaluation Report No. EV-09-034 by Mark Shutt on 11/27/2009.

Summary No	Component ID	System	Insp Date	Insp Status	Insp Limited	Geo Ref	RFR	Comment
C1.F1.20.0003	1-R-CA-1086	CA	11/20/09	CLR	N	N	N	VT-09-276
C1.F1.20.0004	1-R-CA-1089	CA	12/08/09	CLR	N	N	N	VT-09-277
C1.F1.20.0008	1-R-CA-1690	CA	11/22/09	CLR	N	N	N	VT-09-278
C1.F1.20.0009	1-R-CA-1692	CA	11/22/09	REC	N	N	N	VT-09-279 Condition found acceptable based on Evaluation Report No. EV-09-035 by Mark Shutt on 11/27/2009.
C1.F1.20.0010	1-R-CA-1699	CA	11/22/09	REC	N	N	N	VT-09-280 Condition found acceptable based on Evaluation Report No. EV-09-040 by Mark Shutt on 11/27/2009.
C1.F1.20.0011	1-R-CA-1520	CA	11/22/09	CLR	N	N	N	VT-09-281
C1.F1.20.0043	1-R-NI-1225	NI	11/20/09	CLR	N	N	N	VT-09-288
C1.F1.20.0044	1-R-NI-1231	NI	11/20/09	CLR	N	N	N	VT-09-289
C1.F1.20.0056	1-R-NI-0062	NI	11/19/09	CLR	N	N	N	VT-09-242
C1.F1.20.0057	1-R-NI-0065	NI	11/19/09	CLR	N	N	N	VT-09-243
C1.F1.20.0089	1-R-NV-1225	NV	11/24/09	CLR	N	N	N	VT-09-292
C1.F1.20.0092	1-R-NV-1488	NV	11/20/09	CLR	N	N	N	VT-09-293
C1.F1.20.0095	1-R-NV-0513	NV	12/08/09	CLR	N	N	N	VT-09-294

Summary No	Component ID	System	Insp Date	Insp Status	Insp Limited	Geo Ref	RFR	Comment
C1.F1.20.0117	1-R-SA-1517	SA	11/22/09	REC	N	N	N	VT-09-295 Condition found acceptable based on Evaluation Report No. EV-09-036 by Mark Shutt on 11/27/2009.
C1.F1.20.0118	1-R-SA-1518	SA	11/22/09	REC	N	N	N	VT-09-296 Condition found acceptable based on Evaluation Report No. EV-09-037 by Mark Shutt on 11/27/2009.
C1.F1.20.0120	1-R-SM-1559	SM	11/25/09	CLR	N	N	N	VT-09-297
C1.F1.21.0002	1-R-CA-1617	CA	11/22/09	REC	N	N	N	VT-09-298 Condition found acceptable based on Evaluation Report No. EV-09-038 by Mark Shutt on 11/27/2009.
C1.F1.21.0007	1-R-FW-0061	FW	11/19/09	CLR	N	N	N	VT-09-246
C1.F1.21.0019	1-R-NI-1171	NI	11/20/09	CLR	N	N	N	VT-09-300
C1.F1.21.0020	1-R-NI-1172	NI	11/20/09	REC	N	N	N	VT-09-301 Condition found acceptable based on Evaluation Report No. EV-09-039 by Mark Shutt on 11/27/2009.
C1.F1.21.0021	1-R-NI-1217	NI	11/20/09	CLR	N	N	N	VT-09-302
C1.F1.21.0060	1-R-NV-1224	NV	11/24/09	CLR	N	N	N	VT-09-304
C1.F1.21.0061	1-R-NV-1972	NV	11/24/09	CLR	N	N	N	VT-09-305
C1.F1.21.0062	1-R-NV-1976	NV	11/24/09	CLR	N	N	N	VT-09-306

Summary No	Component ID	System	Insp Date	Insp Status	Insp Limited	Geo Ref	RFR	Comment
C1.F1.21.0074	1-R-NV-1486	NV	11/20/09	CLR	N	N	N	VT-09-307
C1.F1.21.0075	1-R-NV-1487	NV	11/20/09	CLR	N	N	N	VT-09-308
C1.F1.21.0076	1-R-NV-1276	NV	11/20/09	CLR	N	N	N	VT-09-309
C1.F1.21.0077	1-R-NV-1277	NV	11/20/09	CLR	N	N	N	VT-09-310
C1.F1.21.0078	1-R-NV-1278	NV	11/20/09	CLR	N	N	N	VT-09-311
C1.F1.22.0006	1-R-CA-1615	CA	11/22/09	REC	N	N	N	VT-09-312 Condition found acceptable based on Evaluation Report No. EV-09-029 by Mark Shutt on 11/27/2009.
C1.F1.22.0014	1-R-FW-0020	FW	11/19/09	REC	N	N	N	VT-09-245 Condition found acceptable based on Evaluation Report No. EV-09-043 by Mark Shutt on 11/30/2009.
C1.F1.22.0026	1-R-NI-0277	NI	11/19/09	CLR	N	N	N	VT-09-244
C1.F1.22.0033	1-R-NV-0510	NV	12/08/09	CLR	N	N	N	VT-09-315
C1.F1.30.0026	1-R-KC-0404	KC	11/24/09	CLR	N	N	N	VT-09-316
C1.F1.30.0027	1-R-KC-0410	KC	11/24/09	CLR	N	N	N	VT-09-317
C1.F1.30.0028	1-R-KC-0412	KC	11/19/09	CLR	N	N	N	VT-09-255
C1.F1.30.0029	1-R-KC-0357	KC	11/19/09	CLR	N	N	N	VT-09-241

Summary No	Component ID	System	Insp Date	Insp Status	Insp Limited	Geo Ref	RFR	Comment
C1.F1.30.0030	1-R-KC-0359	KC	11/19/09	CLR	N	N	N	VT-09-238
C1.F1.30.0031	1-R-KC-0361	KC	11/19/09	CLR	N	N	N	VT-09-240
C1.F1.30.0032	1-R-KC-0362	KC	11/19/09	CLR	N	N	N	VT-09-247
C1.F1.30.0033	1-R-KC-0204	KC	11/19/09	CLR	N	N	N	VT-09-248
C1.F1.30.0034	1-R-KC-0205	KC	11/19/09	CLR	N	N	N	VT-09-252
C1.F1.30.0035	1-R-KC-0224	KC	11/19/09	CLR	N	N	N	VT-09-249
C1.F1.30.0036	1-R-KC-0306	KC	11/19/09	CLR	N	N	N	VT-09-250
C1.F1.30.0037	1-R-KC-0307	KC	11/19/09	CLR	N	N	N	VT-09-251
C1.F1.30.0038	1-R-KC-0308	KC	11/19/09	CLR	N	N	N	VT-09-254
C1.F1.30.0056	1-R-KD-0037	KD	11/25/09	CLR	N	N	N	VT-09-318
C1.F1.30.0063	1-R-LD-0016	LD	11/25/09	REC	N	N	N	VT-09-319 Condition found acceptable based on Evaluation Report No. EV-09-041 by Mark Shutt on 11/27/2009.
C1.F1.30.0064	1-R-LD-0018	LD	11/25/09	CLR	N	N	N	VT-09-320
C1.F1.31.0004	1-R-KC-1478	KC	11/20/09	CLR	N	N	N	VT-09-326

Summary No	Component ID	System	Insp Date	Insp Status	Insp Limited	Geo Ref	RFR	Comment
C1.F1.31.0006	1-R-KC-0314	KC	11/19/09	CLR	N	N	N	VT-09-253
C1.F1.31.0007	1-R-KC-0319	KC	11/19/09	CLR	N	N	N	VT-09-239
C1.F1.32.0002	1-R-CA-0288	CA	11/22/09	CLR	N	N	N	VT-09-331
C1.F1.32.0003	1-R-CA-0298	CA	11/22/09	REC	N	N	N	VT-09-332 Condition found acceptable based on Evaluation Report No. EV-09-042 by Mark Shutt on 11/27/2009.
C1.F1.32.0008	1-R-KC-0433	KC	12/08/09	CLR	N	N	N	VT-09-333
C1.F1.32.0017	1-R-KD-0122	KD	11/17/09	CLR	N	N	N	VT-09-237
C1.F1.32.0022	1-R-RN-0311	RN	11/19/09	REC	N	N	N	VT-09-256 Condition found acceptable based on Evaluation Report No. EV-09-046 by Mark Shutt on 12/08/2009.
C1.F1.32.0027	1-R-TE-1504	TE	11/25/09	CLR	N	N	N	VT-09-335
C1.G10.1.0001	1ARN30-SUPPLYHEADER	RN	02/12/09	CLR	N	N	N	UT-09-282
		RN	02/12/09					UT-09-286 Thickness readings were taken on a grid per NDE-946 and forwarded to CNS Engineering.
C1.G10.1.0002	1BRN30-SUPPLYHEADER	RN	02/17/09	CLR	N	N	N	UT-09-269

Summary No	Component ID	System	Insp Date	Insp Status	Insp Limited	Geo Ref	RFR	Comment
C1.G10.1.0002	1BRN30-SUPPLYHEADER	RN	02/17/09					UT-09-287
								Thickness readings were taken on a grid per NDE-946 and forwarded to CNS Engineering.
C1.G10.2.0001	1ARN10-SUPPLYPIPING	RN	06/24/09					UT-09-288
								Thickness readings were taken on a grid per NDE-946 and forwarded to CNS Engineering.
		RN	06/24/09	CLR	N	N	N	UT-09-290
C1.G10.2.0002	1BRN10-SUPPLYPIPING	RN	06/17/09					UT-09-289
								Thickness readings were taken on a grid per NDE-946 and forwarded to CNS Engineering.
		RN	06/24/09	CLR	N	N	N	UT-09-291
C1.G2.1.0012	1SM27-01	SM	11/25/09	CLR	N	N	N	MT-09-059
		SM	11/25/09	CLR	N	N	N	UT-09-180
C1.G2.1.0013	1SM27-02	SM	11/16/09	CLR	N	N	N	MT-09-039
		SM	11/16/09	CLR	N	N	N	UT-09-151
C1.G2.1.0014	1SM-8B-A	SM	11/16/09	CLR	N	N	N	MT-09-048
		SM	11/16/09	CLR	N	N	N	UT-09-152
C1.G2.1.0015	1SM27-06	SM	11/16/09	CLR	N	N	N	MT-09-049
		SM	11/16/09	CLR	N	N	N	UT-09-153

Summary No	Component ID	System	Insp Date	Insp Status	Insp Limited	Geo Ref	RFR	Comment
C1.G2.1.0016	1SM-7B-A	SM	11/15/09	CLR	N	N	N	MT-09-040
		SM	11/17/09	CLR	N	N	N	UT-09-162
C1.G2.1.0017	1SM28-01	SM	11/15/09	CLR	N	N	N	MT-09-041
		SM	11/17/09	CLR	N	N	N	UT-09-163
C1.G2.1.0018	1SM-6B-A	SM	11/15/09	CLR	N	N	N	MT-09-042
		SM	11/17/09	CLR	N	N	N	UT-09-164
C1.G2.1.0019	1SM28-02	SM	11/15/09	CLR	N	N	N	MT-09-043
		SM	11/15/09	CLR	N	Y	N	UT-09-156
C1.G2.1.0020	1SM-5B-A	SM	11/15/09	CLR	N	N	N	MT-09-044
		SM	11/16/09	CLR	N	N	N	UT-09-157
C1.G2.1.0021	1SM28-03	SM	11/15/09	CLR	N	N	N	MT-09-045
		SM	11/16/09	CLR	N	N	N	UT-09-158
C1.G2.1.0022	1SM-4B-A	SM	11/15/09	CLR	N	N	N	MT-09-046
		SM	11/16/09	CLR	N	N	N	UT-09-159
C1.G2.1.0023	1SM28-04	SM	11/15/09	CLR	N	N	N	MT-09-047
		SM	11/16/09	CLR	N	N	N	UT-09-160

Summary No	Component ID	System	Insp Date	Insp Status	Insp Limited	Geo Ref	RFR	Comment
C1.G3.1.0001	1NC51-01	NC	11/30/09	CLR	N	N	N	UT-09-198
C1.G3.1.0002	1NC51-BEND-AA	NC	11/30/09	CLR	N	N	N	UT-09-199
C1.G3.1.0003	1NC51-02	NC	11/30/09	CLR	N	N	N	UT-09-200
C1.G3.1.0004	1NC51-03	NC	11/30/09	CLR	N	N	N	UT-09-201
C1.G3.1.0005	1NC42-01	NC	11/30/09	CLR	N	N	N	UT-09-217
C1.G3.1.0006	1NC42-BEND-AA	NC	11/30/09	CLR	N	N	N	UT-09-218
C1.G3.1.0007	1NC42-08	NC	11/30/09	CLR	N	N	N	UT-09-219
C1.G3.1.0008	1NC42-BEND-BB	NC	11/30/09	CLR	N	N	N	UT-09-220
C1.G3.1.0009	1NC82-01	NC	11/30/09	CLR	N	N	N	UT-09-216
C1.G3.1.0010	1NC82-BEND-AA	NC	11/30/09	CLR	N	N	N	UT-09-221
C1.G3.1.0011	1NC82-08	NC	11/30/09	CLR	N	N	N	UT-09-222
C1.G3.1.0012	1NC82-BEND-BB	NC	11/30/09	CLR	N	N	N	UT-09-223
C1.G3.1.0013	1NC43-11	NC	11/30/09	CLR	N	N	N	UT-09-202
C1.G3.1.0014	1NC43-BEND-CC1	NC	11/30/09	CLR	N	N	N	UT-09-203

Summary No	Component ID	System	Insp Date	Insp Status	Insp Limited	Geo Ref	RFR	Comment
C1.G3.1.0015	1NC43-12	NC	11/30/09	CLR	N	N	N	UT-09-204
C1.G3.1.0016	1NC43-BEND-CC2	NC	11/30/09	CLR	N	N	N	UT-09-205
C1.G6.2.0001	1PZR-MANWAY	NC	12/03/09	CLR	N	N	N	VT-10-412
C1.G9.1.0001	1RPV-743-31-20	NC	12/02/09	CLR	N	N	N	MT-09-062
C1.G9.1.0002	1RPV-743-32-20	NC	12/02/09	CLR	N	N	N	MT-09-063
C1.G9.1.0003	1RPV-743-31-22	NC	12/02/09	CLR	N	N	N	MT-09-064
C1.G9.1.0004	1RPV-743-32-22	NC	12/02/09	CLR	N	N	N	MT-09-065
C1.G9.1.0005	1RPV-743-31-24	NC	12/02/09	CLR	N	N	N	MT-09-066
C1.G9.1.0006	1RPV-743-32-24	NC	12/02/09	CLR	N	N	N	MT-09-067
C1.G9.1.0007	1RPV-743-31-30	NC	12/03/09	CLR	N	N	N	MT-09-068
C1.G9.1.0008	1RPV-743-32-30	NC	12/03/09	CLR	N	N	N	MT-09-069
C1.G9.1.0009	1RPV-743-31-34	NC	12/03/09	CLR	N	N	N	MT-09-070
C1.G9.1.0010	1RPV-743-32-34	NC	12/03/09	CLR	N	N	N	MT-09-071
C1.G9.1.0011	1RPV-743-31-36	NC	12/03/09	CLR	N	N	N	MT-09-072

Summary No	Component ID	System	Insp Date	Insp Status	Insp Limited	Geo Ref	RFR	Comment
C1.G9.1.0012	1RPV-743-32-36	NC	12/03/09	CLR	N	N	N	MT-09-073
C1.H2.1.0001	1ND59-1	ND	12/04/09	CLR	N	N	N	UT-09-279
C1.H2.1.0002	1ND59-2	ND	12/04/09	CLR	N	N	N	UT-09-280
C1.H2.1.0003	1ND59-15	ND	12/04/09	CLR	N	N	N	UT-09-281
C1.H2.1.0004	1ND48-23	ND	12/04/09	CLR	N	N	N	UT-09-266
C1.H2.1.0005	1ND48-24	ND	12/04/09	CLR	N	N	N	UT-09-267
C1.H2.1.0006	1ND48-25	ND	12/04/09	CLR	N	N	N	UT-10-296

5.0 Owner's Report for Repair / Replacement Activities

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

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

5.1 Class 1 and 2 Preservice Examinations

As required by the applicable code, Preservice Inspection (PSI) Examinations were performed on ISI Class 1 and 2 items during this report period.

Work Order	Code Class	Sys	MOD No.	Description of Work	Repair Replacement	Flaw Indication Maintenance/ISI (Yes or No)	Owner Final Date	ANII Final Date
1100299-01	A	NI	NA	1NI-82 Disc Assembly	Replacement	No	1/26/2010	2/3/2010
1851876-10	A	NC	NA	Bolting for 1NC272-MJ1	Replacement	No	1/5/2010	1/21/2010
1851953-03	A	NC	NA	Valve 1NC-001	Replacement	No	1/18/2010	1/21/2010
1851954-05	A	NC	NA	Valve 1NC-002	Replacement	No	1/6/2010	1/13/2010
1851955-05	A	NC	NA	Valve 1NC-003	Replacement	No	1/6/2010	1/11/2010
1851961-07	A	NC	NA	S/R 1-R-NC-1633	Replacement	No	12/9/2009	1/20/2010
1898698-01	A	NI	NA	Weld 1NI235-42	Replacement	No	1/26/2010	2/2/2010
1124966-01	B	SV	NA	1SV-09 Valve Disc	Replacement	No	12/8/2009	2/3/2010
1124967-01	B	SV	NA	1SV-011 Valve Disc	Replacement	No	12/8/2009	2/3/2010
1124968-01	B	SV	NA	1SV-015 Valve Disc	Replacement	No	12/8/2009	1/27/2010
1124969-01	B	SV	NA	1SV-024 Valve Disc	Replacement	No	12/8/2009	2/3/2010
1769619-01	B	NV	NA	Valve 1NV-327	Replacement	No	1/27/2010	1/2/2010
1815078-08	B	ND	NA	Base Metal Repair 1ND-68	Repair	No	12/9/2009	1/5/2010
1815241-01	B	KC	NA	Valve 1KC479	Replacement	No	1/27/2010	2/2/2010
1842063-01	B	NV	NA	1-R-NV-1409, 1408	Replacement	No	12/10/2009	12/31/2009
1842347-01	B	NV	NA	Plug for 1NV-849	Replacement	No	1/26/2010	2/3/2010
1851805-20	B	SA	NA	Bolting for 1-R-NV-0022	Replacement	No	11/29/2009	2/16/2010
1851805-30	B	SM	NA	1-R-SM-1566	Replacement	No	11/29/2009	2/16/2010
1851961-11	B	NI	NA	1-R-NI-2404	Replacement	No	11/29/2009	2/16/2010
1852741-01	B	YM	NA	1YM-121 Disc	Replacement	No	12/9/2009	12/31/2009
1853567-01	B	NV	NA	1NV-294 Disc	Replacement	No	12/9/2009	12/31/2009
1862909-01	B	NI	NA	Bolting for Mech. Joints	Replacement	No	9/1/2009	9/2/2009
1871321-06	B	NI	NA	Valve 1NI-102	Replacement	No	1/6/2010	1/11/2010
1871322-06	B	NI	NA	Valve 1NI-161	Replacement	No	1/6/2010	1/11/2010
1871324-06	B	NI	NA	Valve 1NI-119	Replacement	No	12/10/2009	12/31/2009
1871325-07	B	NV	NA	Valve 1NV-014	Replacement	No	1/18/2010	1/21/2010
1879186-01	B	SV	NA	1SV-014 Valve Disc	Replacement	No	12/8/2009	1/27/2010
1879192-01	B	SV	NA	1SV-020 Valve Disc	Replacement	No	12/8/2009	2/3/2010
1895769-03	B	FW	NA	1FW-10 Bolting	Replacement	No	12/10/2009	12/31/2009
1898125-13	B	RF	EC102693	Valve 1RF-448	Replacement	No	1/26/2010	2/2/2010

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

As Required by the Provisions of the ASME Code Section XI

1. Owner Duke Energy Carolinas, LLC — Date 1/26/2010

526 South Church Street, Charlotte, NC, 28201 (Address) — Sheet 1 of 1

2. Plant Catawba Nuclear Station (Name) — Unit 1

4800 Concord Rd. York, S.C. 29745 (Address) — Work Order 01100299-01 (Work Order # (or Repair/Replacement Organization P.O. No., Job No., etc.))

3. Work Performed by Duke Energy Carolinas, LLC (Name)

526 South Church Street, Charlotte, NC 28201-1006 (Address)

Type Code Symbol Stamp: NA

Authorization No.: NA

Expiration Date: NA

4. Identification of System NI- Safety Injection System

5. (a) Applicable Construction Code Section III 1974 Edition, S'75 Addenda, _____ Code Case

(b) Applicable Edition of Section XI used for Repair/Replacement Activity 1998 Edition with the 1999 and 2000 Addenda

(c) Applicable Section XI Code Case(s) _____

6. Identification of Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Corrected, Removed, or Installed	ASME Code Stamped (Yes or No)
Disc Assembly	Westinghouse	RP1001	NA	Valve 1NI-82	NA	Removed	Yes
Disc Assembly	Westinghouse	M1087-1	NA	Valve 1NI-82	NA	Installed	Yes

7. Description of Work Replaced Component/Part/Appurtenance

Additional Description _____

8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operation Pressure ☐ Exempt ☑ Other ☐ Pressure _____ PSI Test Temp. _____ °F

Description (Optional): _____

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

As Required by the Provisions of the ASME Code Section XI

9. Remarks (Should Include the Following Information, as Applicable): Sheet 2 of 2

Component Line Size: NA in. (nominal) System Class: ASME Class 1

Weld Isometric Drawing No(s).: NA

Flow Diagram No(s).: NA

Support/Restraint Sketch/Drawing No(s).: NA

Other Applicable Information (e.g., W.O. No., EC No.) if not included elsewhere on NIS-2 Form: NA

Applicable Manufacturer's Data Reports to be attached

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp NA

Certificate of Authorization No. NA Expiration Date NA

Signed Paul L Satt Tech Spec. II Date 1/26, 20 10

Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of South Carolina and employed by HSBCT of Hartford Conn. have inspected the components described in this Owner's Report during the period 2-3-10 to 2-3-10, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of 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 Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection.

Kenneth Mathis Commissions SC 233 INA

Inspector's Signature National Board, State, Province, and Endorsements

Date 2-3, 20 10

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

As Required by the Provisions of the ASME Code Section XI

1. Owner Duke Energy Carolinas, LLC — Date 1/5/2010

526 South Church Street, Charlotte, NC, 28201 (Address) — Sheet 1 of 2

2. Plant Catawba Nuclear Station (Name) — Unit 1

4800 Concord Rd. York, S.C. 29745 (Address) — Work Order 01851876-10 (Work Order # (or Repair/Replacement Organization P.O. No., Job No., etc.))

3. Work Performed by Duke Energy Carolinas, LLC (Name)

526 South Church Street, Charlotte, NC 28201-1006 (Address)

Type Code Symbol Stamp: NA

Authorization No.: NA

Expiration Date: NA

4. Identification of System NC Reactor Coolant System

5. (a) Applicable Construction Code Section III 1974 Edition, S'75 Addenda, _____ Code Case

(b) Applicable Edition of Section XI used for Repair/Replacement Activity 1998 Edition with the 1999 and 2000 Addenda

(c) Applicable Section XI Code Case(s) _____

6. Identification of Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Corrected, Removed, or Installed	ASME Code Stamped (Yes or No)
Hex Nut	NA	NA	NA	1NC272-MJ1	NA	Installed	No

7. Description of Work Replaced Component/Part/Appurtenance

Additional Description _____

8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operation Pressure ☐ Exempt ☑ Other ☐ Pressure _____ PSI Test Temp. _____ °F

Description (Optional): _____

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

As Required by the Provisions of the ASME Code Section XI

9. Remarks (Should Include the Following Information, as Applicable):

Component Line Size: NA in. (nominal) System Class: ASME Class 1

Weld Isometric Drawing No(s).: NA

Flow Diagram No(s).: NA

Support/Restraint Sketch/Drawing No(s).: NA

Other Applicable Information (e.g., W.O. No., EC No.) if not included elsewhere on NIS-2 Form: PIP C-09-7728

Applicable Manufacturer's Data Reports to be attached

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp NA

Certificate of Authorization No. NA Expiration Date NA

Signed Paula L Smith Tech Spec. II Date 1-5, 20 10

Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of South Carolina and employed by HSBCT of Hartford Conn. have inspected the components described in this Owner's Report during the period 1-21 to 1-21, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of 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 Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection.

Kenneth L Smith Commissions SC 233 INI

Inspector's Signature National Board, State, Province, and Endorsements

Date 1-21-10, 20

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

As Required by the Provisions of the ASME Code Section XI

1. Owner Duke Energy Carolinas, LLC — Date 1/18/2010

526 South Church Street, Charlotte, NC, 28201 — Sheet 1 of 2
Address

2. Plant Catawba Nuclear Station — Unit 1
Name

4800 Concord Rd. York, S.C. 29745
Address

Work Order 1851953-03
Work Order # (or Repair/Replacement Organization P.O. No., Job No., etc.)

3. Work Performed by Duke Energy Carolinas, LLC
Name

526 South Church Street, Charlotte, NC 28201-1006
Address

Type Code Symbol Stamp: NA
Authorization No.: NA
Expiration Date: NA

4. Identification of System NC- Reactor Coolant System

5. (a) Applicable Construction Code Section III 19 74 Edition, S'75 Addenda, _____ Code Case

(b) Applicable Edition of Section XI used for Repair/Replacement Activity 1998 Edition with the 1999 and 2000 Addenda

(c) Applicable Section XI Code Case(s) _____

6. Identification of Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Corrected, Removed, or Installed	ASME Code Stamped (Yes or No)
Valve	Dresser	BS-02867	NA	1NC-001	1979	Removed	Yes
Valve	Dresser	BS-02871	NA	1NC-001	1980	Installed	Yes

7. Description of Work Replaced Component/Part/Appurtenance

Additional Description

8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operation Pressure ☑ Exempt ☐ Other ☐ Pressure 223.4 PSI Test Temp. 657 °F

Description (Optional):

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

As Required by the Provisions of the ASME Code Section XI

9. Remarks (Should Include the Following Information, as Applicable): Sheet 2 of 2

Component Line Size: 6 in. (nominal) System Class: ASME Class 1

Weld Isometric Drawing No(s).: NA

Flow Diagram No(s).: NA

Support/Restraint Sketch/Drawing No(s).: NA

Other Applicable Information (e.g., W.O. No., EC No.) if not included elsewhere on NIS-2 Form: NA

Applicable Manufacturer's Data Reports to be attached

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp NA

Certificate of Authorization No. NA Expiration Date NA

Signed Paul L Sott Tech Spec. II Date 1/18, 20 10

Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of South Carolina and employed by HSBCT of Hartford Conn. have inspected the components described in this Owner's Report during the period 1-21-10 to 1-21-10, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of 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 Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection.

Kenneth A Rudd Commissions SC 233 I N A

Inspector's Signature National Board, State, Province, and Endorsements

Date 1-21, 20 10

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

As Required by the Provisions of the ASME Code Section XI

1. Owner Duke Energy Carolinas, LLC — Date 1/6/2010

526 South Church Street, Charlotte, NC, 28201 (Address) — Sheet 1 of 2

2. Plant Catawba Nuclear Station (Name) — Unit 1

4800 Concord Rd. York, S.C. 29745 (Address) — Work Order 1851954-05 (Work Order # (or Repair/Replacement Organization P.O. No., Job No., etc.))

3. Work Performed by Duke Energy Carolinas, LLC (Name)

526 South Church Street, Charlotte, NC 28201-1006 (Address)

Type Code Symbol Stamp: NA

Authorization No.: NA

Expiration Date: NA

4. Identification of System NC Reactor Coolant System

5. (a) Applicable Construction Code Section III 19 74 Edition, S'75 Addenda, _____ Code Case

(b) Applicable Edition of Section XI used for Repair/Replacement Activity 1998 Edition with the 1999 and 2000 Addenda

(c) Applicable Section XI Code Case(s) _____

6. Identification of Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Corrected, Removed, or Installed	ASME Code Stamped (Yes or No)
Valve	Dresser	BS 02869	NA	1NC-002	1980	Removed	Yes
Valve	Dresser	BS 02872	NA	1NC-002	1976	Installed	Yes

7. Description of Work Replaced Component/Part/Appurtenance

Additional Description _____

8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operation Pressure ☑ Exempt ☐ Other ☐ Pressure 2234 PSI Test Temp. 657 °F

Description (Optional): _____

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

As Required by the Provisions of the ASME Code Section XI

9. Remarks (Should Include the Following Information, as Applicable): Sheet 2 of 2

Component Line Size: 6 in. (nominal) System Class: ASME Class 1

Weld Isometric Drawing No(s).: NA

Flow Diagram No(s).: NA

Support/Restraint Sketch/Drawing No(s).: NA

Other Applicable Information (e.g., W.O. No., EC No.) if not included elsewhere on NIS-2 Form: NA

Applicable Manufacturer's Data Reports to be attached

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp NA

Certificate of Authorization No. NA Expiration Date NA

Signed Paul L Smith Tech Spec. II Date 1-6, 2010

Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of South Carolina and employed by HSBCT of Hartford Conn. have inspected the components described in this Owner's Report during the period 1-13-10 to 1-13-10, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of 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 Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection.

Kenneth Bartlett Commissions SC 2337 INS

Inspector's Signature National Board, State, Province, and Endorsements

Date 1-13, 2010

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

As Required by the Provisions of the ASME Code Section XI

1. Owner Duke Energy Carolinas, LLC — Date 1/6/2010

526 South Church Street, Charlotte, NC, 28201 (Address) — Sheet 1 of 2

2. Plant Catawba Nuclear Station (Name) — Unit 1

4800 Concord Rd. York, S.C. 29745 (Address) — Work Order 1851955-05 (Work Order # (or Repair/Replacement Organization P.O. No., Job No., etc.))

3. Work Performed by Duke Energy Carolinas, LLC (Name)

526 South Church Street, Charlotte, NC 28201-1006 (Address)

Type Code Symbol Stamp: NA

Authorization No.: NA

Expiration Date: NA

4. Identification of System NC Reactor Coolant System

5. (a) Applicable Construction Code Section III 1974 Edition, S'75 Addenda, _____ Code Case

(b) Applicable Edition of Section XI used for Repair/Replacement Activity 1998 Edition with the 1999 and 2000 Addenda

(c) Applicable Section XI Code Case(s) _____

6. Identification of Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Corrected, Removed, or Installed	ASME Code Stamped (Yes or No)
Valve	Dresser	BS 02865	NA	1NC-003	1979	Removed	Yes
Valve	Dresser	BS 020661	NA	1NC-003	2009	Installed	Yes

7. Description of Work Replaced Component/Part/Appurtenance

Additional Description _____

8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operation Pressure ☑ Exempt ☐ Other ☐ Pressure 2234 PSI Test Temp. 657 °F

Description (Optional): _____

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

As Required by the Provisions of the ASME Code Section XI

9. Remarks (Should Include the Following Information, as Applicable):

Component Line Size: 6 in. (nominal) System Class: ASME Class 1

Weld Isometric Drawing No(s).: NA

Flow Diagram No(s).: NA

Support/Restraint Sketch/Drawing No(s).: NA

Other Applicable Information (e.g., W.O. No., EC No.) if not included elsewhere on NIS-2 Form: NA

Applicable Manufacturer's Data Reports to be attached

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp NA

Certificate of Authorization No. NA Expiration Date NA

Signed Paul S. Smith Tech Spec. II Date 1-6, 20 10

Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of South Carolina and employed by HSBCT of Hartford Conn. have inspected the components described in this Owner's Report during the period 1-11-10 to 1-11-12, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of 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 Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection.

Kenneth A. Burtt Commissions SC 233 IWA

Inspector's Signature National Board, State, Province, and Endorsements

Date 1-11, 20 10

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

As Required by the Provisions of the ASME Code Section XI

1. Owner Duke Energy Carolinas, LLC — Date 12/9/2009

526 South Church Street, Charlotte, NC, 28201 (Address) — Sheet 1 of 2

2. Plant Catawba Nuclear Station (Name) — Unit 1

4800 Concord Rd. York, S.C. 29745 (Address)

Work Order 01851961-07 (Work Order # (or Repair/Replacement Organization P.O. No., Job No., etc.)

3. Work Performed by Duke Energy Carolinas, LLC (Name)

526 South Church Street, Charlotte, NC 28201-1006 (Address)

Type Code Symbol Stamp: NA

Authorization No.: NA

Expiration Date: NA

4. Identification of System NC- Reactor Coolant System

5. (a) Applicable Construction Code Section III 1974 Edition, S'75 Addenda, _____ Code Case

(b) Applicable Edition of Section XI used for Repair/Replacement Activity 1998 Edition with the 1999 and 2000 Addenda

(c) Applicable Section XI Code Case(s) _____

6. Identification of Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Corrected, Removed, or Installed	ASME Code Stamped (Yes or No)
Snubber	PSA	12855	NA	1-R-NC-1633	1980	Removed	Yes
Snubber	Lisega	30800512/001	NA	1-R-NC-1633	NA	Installed	Yes
Pivot Pin	NA	NA	NA	1-R-NC-1633	NA	Installed	No

7. Description of Work Replaced Component/Part/Appurtenance

Additional Description _____

8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operation Pressure ☐ Exempt ☑ Other ☐ Pressure _____ PSI Test Temp. _____ °F

Description (Optional): _____

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

As Required by the Provisions of the ASME Code Section XI

9. Remarks (Should Include the Following Information, as Applicable): Sheet 2 of 2

Component Line Size: NA in. (nominal) System Class: ASME Class 1

Weld Isometric Drawing No(s).: NA

Flow Diagram No(s).: NA

Support/Restraint Sketch/Drawing No(s).: 1-R-NC-1633

Other Applicable Information (e.g., W.O. No., EC No.) if not included elsewhere on NIS-2 Form: NA

Applicable Manufacturer's Data Reports to be attached

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp NA

Certificate of Authorization No. NA Expiration Date NA

Signed Paulette L Smith Tech Spec. II Date 12/9, 20 09

Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of South Carolina and employed by HSBCT of Hartford Conn. have inspected the components described in this Owner's Report during the period 1-20-10 to 1-20-10, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of 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 Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection.

Kenneth Wentz Commissions SC 233 INA

Inspector's Signature National Board, State, Province, and Endorsements

Date 1-20, 20 10

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

As Required by the Provisions of the ASME Code Section XI

1. Owner Duke Energy Carolinas, LLC — Date 1/26/2010

526 South Church Street, Charlotte, NC, 28201 (Address) — Sheet 1 of 2

2. Plant Catawba Nuclear Station (Name) — Unit 1

4800 Concord Rd. York, S.C. 29745 (Address) — Work Order 01898698-01 (Work Order # (or Repair/Replacement Organization P.O. No., Job No., etc.))

3. Work Performed by Duke Energy Carolinas, LLC (Name)

526 South Church Street, Charlotte, NC 28201-1006 (Address)

Type Code Symbol Stamp: NA

Authorization No.: NA

Expiration Date: NA

4. Identification of System NI- Safety Injection System

5. (a) Applicable Construction Code Section III 19 74 Edition, S'75 Addenda, _____ Code Case

(b) Applicable Edition of Section XI used for Repair/Replacement Activity 1998 Edition with the 1999 and 2000 Addenda

(c) Applicable Section XI Code Case(s) _____

6. Identification of Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Corrected, Removed, or Installed	ASME Code Stamped (Yes or No)
Pipe/Fittings	Duke Energy	C-1NI	128		1983	Installed	Yes

7. Description of Work Replaced Component/Part/Appurtenance

Additional Description Remove/Replace Weld 1NI235-42

8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operation Pressure ☑ Exempt ☐ Other ☐ Pressure 2246 PSI Test Temp. 543.2 °F

Description (Optional):

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

As Required by the Provisions of the ASME Code Section XI

9. Remarks (Should Include the Following Information, as Applicable): Sheet 2 of 2

Component Line Size: 4" in. (nominal) System Class: ASME Class 1

Weld Isometric Drawing No(s).: CN-1NI235

Flow Diagram No(s).: NA

Support/Restraint Sketch/Drawing No(s).: NA

Other Applicable Information (e.g., W.O. No., EC No.) if not included elsewhere on NIS-2 Form: PIP C-09-7334

Applicable Manufacturer's Data Reports to be attached

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp NA

Certificate of Authorization No. NA Expiration Date NA

Signed Paul L Smith Tech Spec. II Date 1/26, 20 10

Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of South Carolina and employed by HSBCT of Hartford Conn. have inspected the components described in this Owner's Report during the period 2-2-10 to 2-2-10, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of 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 Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection.

Kenneth Walther Commissions SC 233 INA

Inspector's Signature National Board, State, Province, and Endorsements

Date 2-2, 20 10

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

As Required by the Provisions of the ASME Code Section XI

1. Owner Duke Energy Carolinas, LLC — Date 12/8/2009

526 South Church Street, Charlotte, NC, 28201 (Address) — Sheet 1 of 2

2. Plant Catawba Nuclear Station (Name) — Unit 1

4800 Concord Rd. York, S.C. 29745 (Address) — WO 1124966-01 (Work Order # (or Repair/Replacement Organization P.O. No., Job No., etc.))

3. Work Performed by Duke Energy Carolinas, LLC (Name)

526 South Church Street, Charlotte, NC 28201-1006 (Address)

Type Code Symbol Stamp: NA

Authorization No.: NA

Expiration Date: NA

4. Identification of System SV- Main Steam Vent to Atmosphere

5. (a) Applicable Construction Code Section III 19 74 Edition, S'75 Addenda, _____ Code Case

(b) Applicable Edition of Section XI used for Repair/Replacement Activity 1998 Edition with the 1999 and 2000 Addenda

(c) Applicable Section XI Code Case(s) _____

6. Identification of Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Corrected, Removed, or Installed	ASME Code Stamped (Yes or No)
Valve Disc	Dresser	AAL-59	NA	1SV-09	NA	Removed	Yes
Valve Disc	Dresser	ADZ-03	NA	1SV-09	NA	Installed	Yes

7. Description of Work Replaced Component/Part/Appurtenance

Additional Description _____

8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operation Pressure ☐ Exempt ☑ Other ☐ Pressure _____ PSI Test Temp. _____ °F

Description (Optional): _____

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

As Required by the Provisions of the ASME Code Section XI

9. Remarks (Should Include the Following Information, as Applicable): Sheet 2 of 2

Component Line Size: NA in. (nominal) System Class: ASME Class 2

Weld Isometric Drawing No(s).: NA

Flow Diagram No(s).: NA

Support/Restraint Sketch/Drawing No(s).: NA

Other Applicable Information (e.g., W.O. No., EC No.) if not included elsewhere on NIS-2 Form: NA

Applicable Manufacturer's Data Reports to be attached

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp NA

Certificate of Authorization No. NA Expiration Date NA

Signed Paul L Stl Tech Spec. II Date 12/8, 20 09

Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of South Carolina and employed by HSBCT of Hartford Conn. have inspected the components described in this Owner's Report during the period 2-3-10 to 2-3-10, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of 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 Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection.

Kenneth Arbuckle Commissions SC 233 ENA

Inspector's Signature National Board, State, Province, and Endorsements

Date 2-3, 20 10

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

As Required by the Provisions of the ASME Code Section XI

1. Owner Duke Energy Carolinas, LLC — Date 12/8/2009

526 South Church Street, Charlotte, NC, 28201 (Address) — Sheet 1 of 2

2. Plant Catawba Nuclear Station (Name) — Unit 1

4800 Concord Rd. York, S.C. 29745 (Address)

WO 1124967-01 (Work Order # (or Repair/Replacement Organization P.O. No., Job No., etc.))

3. Work Performed by Duke Energy Carolinas, LLC (Name)

526 South Church Street, Charlotte, NC 28201-1006 (Address)

Type Code Symbol Stamp: NA

Authorization No.: NA

Expiration Date: NA

4. Identification of System SV- Main Steam Vent to Atmosphere

5. (a) Applicable Construction Code Section III 19 74 Edition, S'75 Addenda, _____ Code Case

(b) Applicable Edition of Section XI used for Repair/Replacement Activity 1998 Edition with the 1999 and 2000 Addenda

(c) Applicable Section XI Code Case(s) _____

6. Identification of Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Corrected, Removed, or Installed	ASME Code Stamped (Yes or No)
Valve Disc	Dresser	AAL-60	NA	1SV-011	NA	Removed	Yes
Valve Disc	Dresser	ADB-86	NA	1SV-011	NA	Installed	Yes

7. Description of Work Replaced Component/Part/Appurtenance

Additional Description

8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operation Pressure ☐ Exempt ☑ Other ☐ Pressure _____ PSI Test Temp. _____ °F

Description (Optional):

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

As Required by the Provisions of the ASME Code Section XI

9. Remarks (Should Include the Following Information, as Applicable): Sheet 2 of 2

Component Line Size: NA in. (nominal) System Class: ASME Class 2

Weld Isometric Drawing No(s).: NA

Flow Diagram No(s).: NA

Support/Restraint Sketch/Drawing No(s).: NA

Other Applicable Information (e.g., W.O. No., EC No.) if not included elsewhere on NIS-2 Form: NA

Applicable Manufacturer's Data Reports to be attached

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp NA

Certificate of Authorization No. NA Expiration Date NA

Signed Paul L Sott Tech Spec. II Date 12/08, 20 09

Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of South Carolina and employed by HSBCT of Hartford Conn. have inspected the components described in this Owner's Report during the period 2-3-10 to 2-3-10, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of 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 Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection.

Kenneth Westbrook Commissions SC 233 INA

Inspector's Signature National Board, State, Province, and Endorsements

Date 2-3, 20 10

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

As Required by the Provisions of the ASME Code Section XI

1. Owner Duke Energy Carolinas, LLC — Date 12/8/2009

526 South Church Street, Charlotte, NC, 28201 (Address) — Sheet 1 of 2

2. Plant Catawba Nuclear Station (Name) — Unit 1

4800 Concord Rd. York, S.C. 29745 (Address) — WO 1124968-01 (Work Order # (or Repair/Replacement Organization P.O. No., Job No., etc.))

3. Work Performed by Duke Energy Carolinas, LLC (Name)

526 South Church Street, Charlotte, NC 28201-1006 (Address)

Type Code Symbol Stamp: NA

Authorization No.: NA

Expiration Date: NA

4. Identification of System SV- Main Steam Vent to Atmosphere

5. (a) Applicable Construction Code Section III 19 74 Edition, S'75 Addenda, _____ Code Case

(b) Applicable Edition of Section XI used for Repair/Replacement Activity 1998 Edition with the 1999 and 2000 Addenda

(c) Applicable Section XI Code Case(s) _____

6. Identification of Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Corrected, Removed, or Installed	ASME Code Stamped (Yes or No)
Valve Disc	Dresser	AAL-72	NA	1SV-015	NA	Removed	Yes
Valve Disc	Dresser	ADB-85	NA	1SV-015	NA	Installed	Yes

7. Description of Work Replaced Component/Part/Appurtenance

Additional Description _____

8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operation Pressure ☐ Exempt ☑ Other ☐ Pressure _____ PSI Test Temp. _____ °F

Description (Optional): _____

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

As Required by the Provisions of the ASME Code Section XI

9. Remarks (Should Include the Following Information, as Applicable): Sheet 2 of 2

Component Line Size: NA in. (nominal) System Class: ASME Class 2

Weld Isometric Drawing No(s).: NA

Flow Diagram No(s).: NA

Support/Restraint Sketch/Drawing No(s).: NA

Other Applicable Information (e.g., W.O. No., EC No.) if not included elsewhere on NIS-2 Form: NA

Applicable Manufacturer's Data Reports to be attached

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp NA

Certificate of Authorization No. NA Expiration Date NA

Signed Paula L Smith Tech Spec. II Date 12/8, 20 09

Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of South Carolina and employed by HSBCT of Hartford Conn. have inspected the components described in this Owner's Report during the period 1-27-10 to 1-27-10, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of 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 Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection.

Kenneth Walter Commissions SC 233 INA

Inspector's Signature National Board, State, Province, and Endorsements

Date 1-27, 20 10

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

As Required by the Provisions of the ASME Code Section XI

1. Owner Duke Energy Carolinas, LLC — Date 12/8/2009

526 South Church Street, Charlotte, NC, 28201 (Address) — Sheet 1 of 2

2. Plant Catawba Nuclear Station (Name) — Unit 1

4800 Concord Rd. York, S.C. 29745 (Address) — WO 1124969-01 (Work Order # (or Repair/Replacement Organization P.O. No., Job No., etc.)

3. Work Performed by Duke Energy Carolinas, LLC (Name)

526 South Church Street, Charlotte, NC 28201-1006 (Address)

Type Code Symbol Stamp: NA

Authorization No.: NA

Expiration Date: NA

4. Identification of System SV- Main Steam Vent to Atmosphere

5. (a) Applicable Construction Code Section III 19 74 Edition, S'75 Addenda, _____ Code Case

(b) Applicable Edition of Section XI used for Repair/Replacement Activity 1998 Edition with the 1999 and 2000 Addenda

(c) Applicable Section XI Code Case(s) _____

6. Identification of Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Corrected, Removed, or Installed	ASME Code Stamped (Yes or No)
Valve Disc	Dresser	AAH-40	NA	1SV-024	NA	Removed	Yes
Valve Disc	Dresser	ADF-01	NA	1SV-024	NA	Installed	Yes

7. Description of Work Replaced Component/Part/Appurtenance

Additional Description

8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operation Pressure ☐ Exempt ☑ Other ☐ Pressure _____ PSI Test Temp. _____ °F

Description (Optional): _____

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

As Required by the Provisions of the ASME Code Section XI

9. Remarks (Should Include the Following Information, as Applicable): Sheet 2 of 2

Component Line Size: NA in. (nominal) System Class: ASME Class 2

Weld Isometric Drawing No(s).: NA

Flow Diagram No(s).: NA

Support/Restraint Sketch/Drawing No(s).: NA

Other Applicable Information (e.g., W.O. No., EC No.) if not included elsewhere on NIS-2 Form: NA

Applicable Manufacturer's Data Reports to be attached

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp NA

Certificate of Authorization No. NA Expiration Date NA

Signed Paul L Scott Tech Spec. II Date 12/8, 2009

Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of South Carolina and employed by HSBCT of Hartford Conn. have inspected the components described in this Owner's Report during the period 2-3-10 to 2-3-10, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of 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 Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection.

Kenneth Dostal Commissions SC 233 INA

Inspector's Signature National Board, State, Province, and Endorsements

Date 2-3, 2010

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

As Required by the Provisions of the ASME Code Section XI

1. Owner Duke Energy Carolinas, LLC — Date 1/27/2010

526 South Church Street, Charlotte, NC, 28201 (Address) — Sheet 1 of 2

2. Plant Catawba Nuclear Station (Name) — Unit 1

4800 Concord Rd. York, S.C. 29745 (Address) — Work Order 01769619-01 (Work Order # (or Repair/Replacement Organization P.O. No., Job No., etc.))

3. Work Performed by Duke Energy Carolinas, LLC (Name) — Type Code Symbol Stamp: NA

526 South Church Street, Charlotte, NC 28201-1006 (Address) — Authorization No.: NA

Expiration Date: NA

4. Identification of System NV- Chemical & Volume Control System

5. (a) Applicable Construction Code Section III 1974 Edition, S'75 Addenda, _____ Code Case

(b) Applicable Edition of Section XI used for Repair/Replacement Activity 1998 Edition with the 1999 and 2000 Addenda

(c) Applicable Section XI Code Case(s) _____

6. Identification of Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Corrected, Removed, or Installed	ASME Code Stamped (Yes or No)
Pipe/ Fittings	Duke Energy	C-1NV	127		1984	Installed	Yes
Valve	Anderson Greenwood	N29401	2371	1NV327	1994	Removed	Yes
Valve	Flowserve	E371A-19-6	2337	1NV327	2000	Installed	Yes

7. Description of Work Replaced Component/Part/Appurtenance

Additional Description _____

8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operation Pressure ☑ Exempt ☐ Other ☐ Pressure 210 PSI Test Temp. 73.4 °F Description (Optional): _____

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

As Required by the Provisions of the ASME Code Section XI

9. Remarks (Should Include the Following Information, as Applicable): Sheet 2 of 2

Component Line Size: 2 in. (nominal) System Class: ASME Class 2

Weld Isometric Drawing No(s).: CN-1NV-639

Flow Diagram No(s).: NA

Support/Restraint Sketch/Drawing No(s).: NA

Other Applicable Information (e.g., W.O. No., EC No.) if not included elsewhere on NIS-2 Form: NA

Applicable Manufacturer's Data Reports to be attached

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp NA

Certificate of Authorization No. NA Expiration Date NA

Signed Paul D L Smith Tech Spec. II Date 1/27, 20 10

Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of South Carolina and employed by HSBCT of Hartford Conn. have inspected the components described in this Owner's Report during the period 1-2-10 to 1-2-10, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of 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 Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection.

Kenneth A Dutton Commissions SC 233 INA

Inspector's Signature National Board, State, Province, and Endorsements

Date 1-2, 20 10

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

As Required by the Provisions of the ASME Code Section XI

1. Owner Duke Energy Carolinas, LLC — Date 12/9/2009

526 South Church Street, Charlotte, NC, 28201 (Address) — Sheet 1 of 2

2. Plant Catawba Nuclear Station (Name) — Unit 1

4800 Concord Rd. York, S.C. 29745 (Address) — Work Order 1815078-08 (Work Order # (or Repair/Replacement Organization P.O. No., Job No., etc.))

3. Work Performed by Duke Energy Carolinas, LLC (Name)

526 South Church Street, Charlotte, NC 28201-1006 (Address)

Type Code Symbol Stamp: NA

Authorization No.: NA

Expiration Date: NA

4. Identification of System ND- Residual Heat Removal System

5. (a) Applicable Construction Code Section III 1974 Edition, S'75 Addenda, _____ Code Case

(b) Applicable Edition of Section XI used for Repair/Replacement Activity 1998 Edition with the 1999 and 2000 Addenda

(c) Applicable Section XI Code Case(s) _____

6. Identification of Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Corrected, Removed, or Installed	ASME Code Stamped (Yes or No)
Base Metal Repair	Duke Energy Corp.	C-1ND	115	1ND-68	2009	Installed	Yes

7. Description of Work Weld Repair

Additional Description Work performed by Welding Services Inc.

8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operation Pressure ☐ Exempt ☑ Other ☐ Pressure _____ PSI Test Temp. _____ °F

Description (Optional): _____

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

As Required by the Provisions of the ASME Code Section XI

9. Remarks (Should Include the Following Information, as Applicable): Sheet 2 of 2

Component Line Size: NA in. (nominal) System Class: ASME Class 2

Weld Isometric Drawing No(s).: NA

Flow Diagram No(s).: NA

Support/Restraint Sketch/Drawing No(s).: NA

Other Applicable Information (e.g., W.O. No., EC No.) if not included elsewhere on NIS-2 Form: CNM 1205.00-0068-001

Applicable Manufacturer's Data Reports to be attached

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp NA

Certificate of Authorization No. NA Expiration Date NA

Signed Paul D Smith Tech Spec II Date 12/9, 2009

Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of South Carolina and employed by HSBCT of Hartford Conn. have inspected the components described in this Owner's Report during the period 1-5-10 to 1-5-10, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of 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 Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection.

Kenneth Wentzel Commissions SC 233 INA

Inspector's Signature National Board, State, Province, and Endorsements

Date 1-5-10, 20

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

As Required by the Provisions of the ASME Code Section XI

1. Owner Duke Energy Carolinas, LLC — Date 1/27/2010

526 South Church Street, Charlotte, NC, 28201 (Address) — Sheet 1 of 2

2. Plant Catawba Nuclear Station (Name) — Unit 1

4800 Concord Rd. York, S.C. 29745 (Address) — Work Order 01815241-01 (Work Order # (or Repair/Replacement Organization P.O. No., Job No., etc.))

3. Work Performed by Duke Energy Carolinas, LLC (Name)

526 South Church Street, Charlotte, NC 28201-1006 (Address)

Type Code Symbol Stamp: NA

Authorization No.: NA

Expiration Date: NA

4. Identification of System KC- Component Cooling System

5. (a) Applicable Construction Code Section III 19 74 Edition, S'75 Addenda, _____ Code Case

(b) Applicable Edition of Section XI used for Repair/Replacement Activity 1998 Edition with the 1999 and 2000 Addenda

(c) Applicable Section XI Code Case(s) _____

6. Identification of Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Corrected, Removed, or Installed	ASME Code Stamped (Yes or No)
Pipe/ Fittings	Duke Energy	C-1KC	129		1984	Installed	Yes
Valve	Kerotest	HAD12-12	29036	1KC479	1980	Removed	Yes
Valve	Kerotest	TM16-3	13417	1KC479	1977	Installed	Yes

7. Description of Work Replaced Component/Part/Appurtenance

Additional Description _____

8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operation Pressure ☑ Exempt ☐ Other ☐ Pressure 91.1 PSI Test Temp. 74.1 °F

Description (Optional): _____

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

As Required by the Provisions of the ASME Code Section XI

Sheet 2 of 2

9. Remarks (Should Include the Following Information, as Applicable):

Component Line Size: 2 in. (nominal) System Class: ASME Class 2

Weld Isometric Drawing No(s).: CN-1KC-276

Flow Diagram No(s).: NA

Support/Restraint Sketch/Drawing No(s).: NA

Other Applicable Information (e.g., W.O. No., EC No.) if not included elsewhere on NIS-2 Form: NA

Applicable Manufacturer's Data Reports to be attached

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp NA

Certificate of Authorization No. NA Expiration Date NA

Signed Paul D Smith Tech Spec. II Date 1/27, 20 10

Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of South Carolina and employed by HSBCT of Hartford Conn. have inspected the components described in this Owner's Report during the period 2-2-10 to 2-2-10, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of 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 Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection.

Kenneth Whitney Commissions SC 233 INA

Inspector's Signature National Board, State, Province, and Endorsements

Date 2-2-10, 20 10

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

As Required by the Provisions of the ASME Code Section XI

1. Owner Duke Energy Carolinas, LLC — Date 12/10/2009

526 South Church Street, Charlotte, NC, 28201 (Address) — Sheet 1 of 2

2. Plant Catawba Nuclear Station (Name) — Unit 1

4800 Concord Rd. York, S.C. 29745 (Address)

Work Order 1842063-01 (Work Order # (or Repair/Replacement Organization P.O. No., Job No., etc.))

3. Work Performed by Duke Energy Carolinas, LLC (Name)

526 South Church Street, Charlotte, NC 28201-1006 (Address)

Type Code Symbol Stamp: NA

Authorization No.: NA

Expiration Date: NA

4. Identification of System NV- Chemical & Volume Control System

5. (a) Applicable Construction Code Section III 19 74 Edition, S'75 Addenda, _____ Code Case

(b) Applicable Edition of Section XI used for Repair/Replacement Activity 1998 Edition with the 1999 and 2000 Addenda

(c) Applicable Section XI Code Case(s) _____

6. Identification of Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Corrected, Removed, or Installed	ASME Code Stamped (Yes or No)
Welds	Duke Energy Corp.	C-1NV	127	1-R-NV-1409, 1408	2009	Installed	Yes
Clamp	NA	NA	NA	1-R-NV-1409, 1408	NA	Installed	No

7. Description of Work Replaced Component/Part/Appurtenance

Additional Description _____

8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operation Pressure ☐ Exempt ☑ Other ☐ Pressure _____ PSI Test Temp. _____ °F

Description (Optional): _____

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

As Required by the Provisions of the ASME Code Section XI

9. Remarks (Should Include the Following Information, as Applicable): Sheet 2 of 2

Component Line Size: NA in. (nominal) System Class: ASME Class 2

Weld Isometric Drawing No(s).:. NA

Flow Diagram No(s).: NA

Support/Restraint Sketch/Drawing No(s).: NA

Other Applicable Information (e.g., W.O. No., EC No.) if not included elsewhere on NIS-2 Form: NA

Applicable Manufacturer's Data Reports to be attached

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp NA

Certificate of Authorization No. NA Expiration Date NA

Signed Paul D Smith Tech Spec. II Date 12/10, 2009

Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of South Carolina and employed by HSBCT of Hartford Conn. have inspected the components described in this Owner's Report during the period 12-28-09 to 12-31-09, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of 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 Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection.

Kenneth Gentle Commissions SC 233 IN H

Inspector's Signature National Board, State, Province, and Endorsements

Date 12-31, 2009

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

As Required by the Provisions of the ASME Code Section XI

1. Owner Duke Energy Carolinas, LLC — Date 1/26/2010

526 South Church Street, Charlotte, NC, 28201 (Address) — Sheet 1 of 1

2. Plant Catawba Nuclear Station (Name) — Unit 1

4800 Concord Rd. York, S.C. 29745 (Address) — Work Order 01842347-01 (Work Order # (or Repair/Replacement Organization P.O. No., Job No., etc.))

3. Work Performed by Duke Energy Carolinas, LLC (Name)

526 South Church Street, Charlotte, NC 28201-1006 (Address)

Type Code Symbol Stamp: NA

Authorization No.: NA

Expiration Date: NA

4. Identification of System NV- Chemical & Volume Control System

5. (a) Applicable Construction Code Section III 1974 Edition, S'75 Addenda, _____ Code Case

(b) Applicable Edition of Section XI used for Repair/Replacement Activity 1998 Edition with the 1999 and 2000 Addenda

(c) Applicable Section XI Code Case(s) _____

6. Identification of Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Corrected, Removed, or Installed	ASME Code Stamped (Yes or No)
Spindle/Plug	CCI	603509/SN2	NA	For Valve 1NV-849	NA	Installed	No

7. Description of Work Replaced Component/Part/Appurtenance

Additional Description _____

8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operation Pressure ☐ Exempt ☑ Other ☐ Pressure _____ PSI Test Temp. _____ °F

Description (Optional): _____

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

As Required by the Provisions of the ASME Code Section XI

9. Remarks (Should Include the Following Information, as Applicable): Sheet 2 of 2

Component Line Size: NA in. (nominal) System Class: ASME Class 2

Weld Isometric Drawing No(s).: NA

Flow Diagram No(s).: NA

Support/Restraint Sketch/Drawing No(s).: NA

Other Applicable Information (e.g., W.O. No., EC No.) if not included elsewhere on NIS-2 Form: NA

Applicable Manufacturer's Data Reports to be attached

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp NA

Certificate of Authorization No. NA Expiration Date NA

Signed Paul L Smith Tech Spec II Date 1/26, 20 10

Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of South Carolina and employed by HSBCT of Hartford Conn. have inspected the components described in this Owner's Report during the period 2-3-10 to 2-3-10, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of 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 Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection.

Kenneth Bethel Commissions SC 233 INA

Inspector's Signature National Board, State, Province, and Endorsements

Date 2-3, 20 10

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

As Required by the Provisions of the ASME Code Section XI

1. Owner Duke Energy Carolinas, LLC — Date 11/28/2009

526 South Church Street, Charlotte, NC, 28201 (Address) — Sheet 1 of 2

2. Plant Catawba Nuclear Station (Name) — Unit 1

4800 Concord Rd. York, S.C. 29745 (Address) — Work Order 1851805-20 (Work Order # (or Repair/Replacement Organization P.O. No., Job No., etc.))

3. Work Performed by Duke Energy Carolinas, LLC (Name)

526 South Church Street, Charlotte, NC 28201-1006 (Address)

Type Code Symbol Stamp: NA

Authorization No.: NA

Expiration Date: NA

4. Identification of System SA- Main Steam Supply to Aux Equip.

5. (a) Applicable Construction Code Section III 19 74 Edition, S'75 Addenda, _____ Code Case

(b) Applicable Edition of Section XI used for Repair/Replacement Activity 1998 Edition with the 1999 and 2000 Addenda

(c) Applicable Section XI Code Case(s) NA

6. Identification of Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Corrected, Removed, or Installed	ASME Code Stamped (Yes or No)
Bolting	NA	Na	NA	1-R-SA-0022	NA	Installed	No

7. Description of Work Replaced Component/Part/Appurtenance

Additional Description

8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operation Pressure ☐ Exempt ☑ Other ☐ Pressure _____ PSI Test Temp. _____ °F

Description (Optional):

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

As Required by the Provisions of the ASME Code Section XI

9. Remarks (Should Include the Following Information, as Applicable): Sheet 2 of 2

Component Line Size: NA in. (nominal) System Class: ASME Class 2

Weld Isometric Drawing No(s).:

Flow Diagram No(s).:

Support/Restraint Sketch/Drawing No(s).: 1-R-NI-2404

Other Applicable Information (e.g., W.O. No., EC No.) if not included elsewhere on NIS-2 Form:

Applicable Manufacturer's Data Reports to be attached

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp NA

Certificate of Authorization No. NA Expiration Date NA

Signed Paul S Smith Tech Spec. II Date 11/29, 20 08

Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of South Carolina and employed by HSBCT of Hartford Conn. have inspected the components described in this Owner's Report during the period 2-16-10 to 2-16-10, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of 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 Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection.

Kenneth Worthy Commissions SC 233 INA

Inspector's Signature National Board, State, Province, and Endorsements

Date 2-16-10, 20 10

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

As Required by the Provisions of the ASME Code Section XI

1. Owner Duke Energy Carolinas, LLC — Date 11/28/2009

526 South Church Street, Charlotte, NC, 28201 (Address) — Sheet 1 of 2

2. Plant Catawba Nuclear Station (Name) — Unit 1

4800 Concord Rd. York, S.C. 29745 (Address) — Work Order 1851805-30 (Work Order # (or Repair/Replacement Organization P.O. No., Job No., etc.))

3. Work Performed by Duke Energy Carolinas, LLC (Name)

526 South Church Street, Charlotte, NC 28201-1006 (Address)

Type Code Symbol Stamp: NA

Authorization No.: NA

Expiration Date: NA

4. Identification of System SM- Main Steam System

5. (a) Applicable Construction Code Section III 19 74 Edition, S'75 Addenda, _____ Code Case

(b) Applicable Edition of Section XI used for Repair/Replacement Activity 1998 Edition with the 1999 and 2000 Addenda

(c) Applicable Section XI Code Case(s) NA

6. Identification of Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Corrected, Removed, or Installed	ASME Code Stamped (Yes or No)
Snubber	PSA	3305	NA	1-R-SM-1566	1978	Removed	Yes
Snubber	PSA	13133	NA	1-R-SM-1566	1993	Installed	Yes

7. Description of Work Replaced Component/Part/Appurtenance

Additional Description

8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operation Pressure ☐ Exempt ☑ Other ☐ Pressure _____ PSI Test Temp. _____ °F

Description (Optional):

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

As Required by the Provisions of the ASME Code Section XI

9. Remarks (Should Include the Following Information, as Applicable): Sheet 2 of 2

Component Line Size: NA in. (nominal) System Class: ASME Class 2

Weld Isometric Drawing No(s).:

Flow Diagram No(s).:

Support/Restraint Sketch/Drawing No(s).: 1-R-SM-1566

Other Applicable Information (e.g., W.O. No., EC No.) if not included elsewhere on NIS-2 Form:

Applicable Manufacturer's Data Reports to be attached

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp NA

Certificate of Authorization No. NA Expiration Date NA

Signed Paul L Scott Tech Spec. II Date 11/29, 2009

Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of South Carolina and employed by HSBCT of Hartford Conn. have inspected the components described in this Owner's Report during the period 2-11-10 to 2-11-10, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of 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 Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection.

Kenneth W Bartlett Commissions SC 273 IND

Inspector's Signature National Board, State, Province, and Endorsements

Date 2-11-, 2010

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

As Required by the Provisions of the ASME Code Section XI

1. Owner Duke Energy Carolinas, LLC — Date 11/28/2009

526 South Church Street, Charlotte, NC, 28201 (Address) — Sheet 1 of 2

2. Plant Catawba Nuclear Station (Name) — Unit 1

4800 Concord Rd. York, S.C. 29745 (Address)

Work Order 1851961-11 (Work Order # (or Repair/Replacement Organization P.O. No., Job No., etc.))

3. Work Performed by Duke Energy Carolinas, LLC (Name)

526 South Church Street, Charlotte, NC 28201-1006 (Address)

Type Code Symbol Stamp: NA

Authorization No.: NA

Expiration Date: NA

4. Identification of System NI- Safety Injection System

5. (a) Applicable Construction Code Section III 1974 Edition, S'75 Addenda, _____ Code Case

(b) Applicable Edition of Section XI used for Repair/Replacement Activity 1998 Edition with the 1999 and 2000 Addenda

(c) Applicable Section XI Code Case(s) NA

6. Identification of Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Corrected, Removed, or Installed	ASME Code Stamped (Yes or No)
Snubber	PSA	15697	NA	1-R-NI-2404	1982	Removed	Yes
Snubber	Lisega	30800150/001	NA	1-R-NI-2404	NA	Installed	Yes

7. Description of Work Replaced Component/Part/Appurtenance

Additional Description

8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operation Pressure ☐ Exempt ☑ Other ☐ Pressure _____ PSI Test Temp. _____ °F

Description (Optional):

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

As Required by the Provisions of the ASME Code Section XI

9. Remarks (Should Include the Following Information, as Applicable): Sheet 2 of 2

Component Line Size: NA in. (nominal) System Class: ASME Class 2

Weld Isometric Drawing No(s).:

Flow Diagram No(s).:

Support/Restraint Sketch/Drawing No(s).: 1-R-NI-2404

Other Applicable Information (e.g., W.O. No., EC No.) if not included elsewhere on NIS-2 Form:

Applicable Manufacturer's Data Reports to be attached

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp NA

Certificate of Authorization No. NA Expiration Date NA

Signed Paul L Smith Tech Spec. II Date 11/29, 2009

Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of South Carolina and employed by HSBCT of Hartford Conn. have inspected the components described in this Owner's Report during the period 2-16-10 to 2-16-10, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of 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 Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection.

Kenneth Smith Commissions SC233 I NA

Inspector's Signature National Board, State, Province, and Endorsements

Date 2-16, 2010

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

As Required by the Provisions of the ASME Code Section XI

1. Owner Duke Energy Carolinas, LLC — Date 12/9/2009

526 South Church Street, Charlotte, NC, 28201 (Address) — Sheet 1 of 2

2. Plant Catawba Nuclear Station (Name) — Unit 1

4800 Concord Rd. York, S.C. 29745 (Address)

Work Order 01852741-01 (Work Order # (or Repair/Replacement Organization P.O. No., Job No., etc.))

3. Work Performed by Duke Energy Carolinas, LLC (Name)

526 South Church Street, Charlotte, NC 28201-1006 (Address)

Type Code Symbol Stamp: NA

Authorization No.: NA

Expiration Date: NA

4. Identification of System YM- Make Up Demineralized Water System

5. (a) Applicable Construction Code Section III 19 74 Edition, S'75 Addenda, _____ Code Case

(b) Applicable Edition of Section XI used for Repair/Replacement Activity 1998 Edition with the 1999 and 2000 Addenda

(c) Applicable Section XI Code Case(s) _____

6. Identification of Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Corrected, Removed, or Installed	ASME Code Stamped (Yes or No)
Valve Disc	Kerotest	EAU45-4	25652	1YM-121	NA	Removed	Yes
Valve Disc	Kerotest	PN 72609159	NA	1YM-121	NA	Installed	Yes

7. Description of Work Replaced Component/Part/Appurtenance

Additional Description _____

8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operation Pressure ☐ Exempt ☑ Other ☐ Pressure _____ PSI Test Temp. _____ °F

Description (Optional): _____

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

As Required by the Provisions of the ASME Code Section XI

9. Remarks (Should Include the Following Information, as Applicable): Sheet 2 of 2

Component Line Size: NA in. (nominal) System Class: ASME Class 2

Weld Isometric Drawing No(s).: NA

Flow Diagram No(s).: NA

Support/Restraint Sketch/Drawing No(s).: NA

Other Applicable Information (e.g., W.O. No., EC No.) if not included elsewhere on NIS-2 Form: NA

Applicable Manufacturer's Data Reports to be attached

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp NA

Certificate of Authorization No. NA Expiration Date NA

Signed Paul D. Smith Tech Spec. II Date 12/9, 20 09

Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of South Carolina and employed by HSBCT of Hartford Conn. have inspected the components described in this Owner's Report during the period 12-31-09 to 12-31-09, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of 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 Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection.

Kenneth Bonthis Commissions SC 2773 INA

Inspector's Signature National Board, State, Province, and Endorsements

Date 12-31, 20 09

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

As Required by the Provisions of the ASME Code Section XI

1. Owner Duke Energy Carolinas, LLC — Date 12/9/2009

526 South Church Street, Charlotte, NC, 28201 (Address) — Sheet 1 of 2

2. Plant Catawba Nuclear Station (Name) — Unit 1

4800 Concord Rd. York, S.C. 29745 (Address) — Work Order 01853567-01 (Work Order # (or Repair/Replacement Organization P.O. No., Job No., etc.))

3. Work Performed by Duke Energy Carolinas, LLC (Name)

526 South Church Street, Charlotte, NC 28201-1006 (Address)

Type Code Symbol Stamp: NA

Authorization No.: NA

Expiration Date: NA

4. Identification of System NV- Chemical & Volume Control System

5. (a) Applicable Construction Code Section III 19 74 Edition, S'75 Addenda, _____ Code Case

(b) Applicable Edition of Section XI used for Repair/Replacement Activity 1998 Edition with the 1999 and 2000 Addenda

(c) Applicable Section XI Code Case(s) _____

6. Identification of Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Corrected, Removed, or Installed	ASME Code Stamped (Yes or No)
Valve Disc	Fisher	PE0262-1	NA	1NV-294	NA	Removed	Yes
Valve Disc	Fisher	261431-1A-1	NA	1NV-294	NA	Installed	Yes

7. Description of Work Replaced Component/Part/Appurtenance

Additional Description _____

8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operation Pressure ☐ Exempt ☑ Other ☐ Pressure _____ PSI Test Temp. _____ °F

Description (Optional): _____

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

As Required by the Provisions of the ASME Code Section XI

9. Remarks (Should Include the Following Information, as Applicable): Sheet 2 of 2

Component Line Size: NA in. (nominal) System Class: ASME Class 2

Weld Isometric Drawing No(s).: NA

Flow Diagram No(s).: NA

Support/Restraint Sketch/Drawing No(s).: NA

Other Applicable Information (e.g., W.O. No., EC No.) if not included elsewhere on NIS-2 Form: NA

Applicable Manufacturer's Data Reports to be attached

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp NA

Certificate of Authorization No. NA Expiration Date NA

Signed Paul L Scott Tech Spec. II Date 12/9, 2009

Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of South Carolina and employed by HSBCT of Hartford Conn. have inspected the components described in this Owner's Report during the period 12-31-09 to 12-31-09, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of 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 Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection.

Kenneth Gantt Commissions SC233INA

Inspector's Signature National Board, State, Province, and Endorsements

Date 12-31-, 2009

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

As Required by the Provisions of the ASME Code Section XI

1. Owner Duke Energy Carolinas, LLC — Date 9/1/2009

526 South Church Street, Charlotte, NC, 28201 (Address) — Sheet 1 of 2

2. Plant Catawba Nuclear Station (Name) — Unit 1

4800 Concord Rd. York, S.C. 29745 (Address) — WO 1862909-01 (Work Order # (or Repair/Replacement Organization P.O. No., Job No., etc.))

3. Work Performed by Duke Energy Carolinas, LLC (Name)

526 South Church Street, Charlotte, NC 28201-1006 (Address)

Type Code Symbol Stamp: NA

Authorization No.: NA

Expiration Date: NA

4. Identification of System NI- Safety Injection System

5. (a) Applicable Construction Code Section III 1974 Edition, S'75 Addenda, _____ Code Case

(b) Applicable Edition of Section XI used for Repair/Replacement Activity 1998 Edition with the 1999 and 2000 Addenda

(c) Applicable Section XI Code Case(s) _____

6. Identification of Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Corrected, Removed, or Installed	ASME Code Stamped (Yes or No)
Bolting	NA	NA	NA	For Mech. Joints MJ2, MJ3	NA	Installed	No

7. Description of Work Replaced Component/Part/Appurtenance

Additional Description Repair Mech. Joints 1NI0038MJ2 and MJ3

8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operation Pressure ☐ Exempt ☑

Other ☐ Pressure _____ PSI Test Temp. _____ °F

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used provided (1) size is 8½ in. x 11 in., (2) information in items 1 through 6 on this report is included on each sheet, and (3) each sheet is numbered and the number of sheets is recorded at the top of this form.

This Form (E00030) may be obtained from the ASME Order Dept., 22 Law Drive, Box 2300, Fairfield, NJ 07007-2300

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

As Required by the Provisions of the ASME Code Section XI

9. Remarks (Should Include the Following Information, as Applicable): Sheet [ ] of [ ]

Component Line Size: 4" in. (nominal) System Class: ASME Class 2

Weld Isometric Drawing No(s).: CN 1492-NI.00-013, CN 1NI-038

Flow Diagram No(s).: CN 1562-1.0

Support/Restraint Sketch/Drawing No(s).: NA

Other Applicable Information (e.g., W.O. No., EC No.) if not included elsewhere on NIS-2 Form: NA

Applicable Manufacturer's Data Reports to be attached

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp NA

Certificate of Authorization No. NA Expiration Date NA

Signed Paula L Smith Tech Spec II Date 09/01, 20 09

Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of South Carolina and employed by HSBCT of Hartford Conn. have inspected the components described in this Owner's Report during the period 9-2-09 to 9-2-09, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of 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 Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection.

Kenneth A Bartlett Commissions SC 237 INA

Inspector's Signature National Board, State, Province, and Endorsements

Date 9-2, 20 09

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

As Required by the Provisions of the ASME Code Section XI

1. Owner Duke Energy Carolinas, LLC — Date 1/6/2010

526 South Church Street, Charlotte, NC, 28201 (Address) — Sheet 1 of 2

2. Plant Catawba Nuclear Station (Name) — Unit 1

4800 Concord Rd. York, S.C. 29745 (Address) — Work Order 1871321-06 (Work Order # (or Repair/Replacement Organization P.O. No., Job No., etc.))

3. Work Performed by Duke Energy Carolinas, LLC (Name)

526 South Church Street, Charlotte, NC 28201-1006 (Address)

Type Code Symbol Stamp: NA

Authorization No.: NA

Expiration Date: NA

4. Identification of System NI Safety Injection System

5. (a) Applicable Construction Code Section III 19 74 Edition, S'75 Addenda, _____ Code Case

(b) Applicable Edition of Section XI used for Repair/Replacement Activity 1998 Edition with the 1999 and 2000 Addenda

(c) Applicable Section XI Code Case(s) _____

6. Identification of Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Corrected, Removed, or Installed	ASME Code Stamped (Yes or No)
Valve	Dresser	TG33980	1837	1NI-102	1984	Removed	Yes
Valve	Dresser	TG80181	1893	1NI-102	1986	Installed	Yes

7. Description of Work Replaced Component/Part/Appurtenance

Additional Description _____

8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operation Pressure ☑ Exempt ☐ Other ☐ Pressure 153.1 PSI Test Temp. 91.7 °F

Description (Optional): _____

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

As Required by the Provisions of the ASME Code Section XI

9. Remarks (Should Include the Following Information, as Applicable):

Component Line Size: 2 in. (nominal) System Class: ASME Class 2

Weld Isometric Drawing No(s).: NA

Flow Diagram No(s).: NA

Support/Restraint Sketch/Drawing No(s).: NA

Other Applicable Information (e.g., W.O. No., EC No.) if not included elsewhere on NIS-2 Form: NA

Applicable Manufacturer's Data Reports to be attached

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp NA

Certificate of Authorization No. NA Expiration Date NA

Signed Paul K Smith Tech Spec. II Date 1-6, 20 10

Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of South Carolina and employed by HSBCT of Hartford Conn. have inspected the components described in this Owner's Report during the period 1-11-10 to 1-11-10, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of 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 Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection.

Kenneth A Butler Commissions SC 233 INA

Inspector's Signature National Board, State, Province, and Endorsements

Date 1-11, 20 10

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

As Required by the Provisions of the ASME Code Section XI

1. Owner Duke Energy Carolinas, LLC — Date 1/6/2010

526 South Church Street, Charlotte, NC, 28201 — Sheet 1 of 2

Address

2. Plant Catawba Nuclear Station — Unit 1

Name

4800 Concord Rd. York, S.C. 29745

Address

Work Order 1871322-06

Work Order # (or Repair/Replacement Organization P.O. No., Job No., etc.)

3. Work Performed by Duke Energy Carolinas, LLC

Name

526 South Church Street, Charlotte, NC 28201-1006

Address

Type Code Symbol Stamp: NA

Authorization No.: NA

Expiration Date: NA

4. Identification of System NI Safety Injection System

5. (a) Applicable Construction Code Section III 19 74 Edition, S'75 Addenda, _____ Code Case

(b) Applicable Edition of Section XI used for Repair/Replacement Activity 1998 Edition with the 1999 and 2000 Addenda

(c) Applicable Section XI Code Case(s) _____

6. Identification of Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Corrected, Removed, or Installed	ASME Code Stamped (Yes or No)
Valve	Dresser	TD89436	421	1NI-161	1978	Removed	Yes
Valve	Dresser	TD89439	478	1NI-161	1978	Installed	Yes

7. Description of Work Replaced Component/Part/Appurtenance

Additional Description

8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operation Pressure ☑ Exempt ☐ Other ☐ Pressure 1000 PSI Test Temp. 95.1 °F

Description (Optional):

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

As Required by the Provisions of the ASME Code Section XI

9. Remarks (Should Include the Following Information, as Applicable):

Sheet 2 of 2

Component Line Size: 2 in. (nominal) System Class: ASME Class 2

Weld Isometric Drawing No(s).: NA

Flow Diagram No(s).: NA

Support/Restraint Sketch/Drawing No(s).: NA

Other Applicable Information (e.g., W.O. No., EC No.) if not included elsewhere on NIS-2 Form: NA

Applicable Manufacturer's Data Reports to be attached

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp NA

Certificate of Authorization No. NA Expiration Date NA

Signed Paul L Smith Tech Spec. II Date 1-6, 20 10

Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of South Carolina and employed by HSBCT of Hartford Conn. have inspected the components described in this Owner's Report during the period 1-11-10 to 1-11-10, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of 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 Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection.

Kenneth Wentzel Commissions SC 233 INA

Inspector's Signature National Board, State, Province, and Endorsements

Date 1-11, 2010

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

As Required by the Provisions of the ASME Code Section XI

1. Owner Duke Energy Carolinas, LLC — Date 12/10/2009

526 South Church Street, Charlotte, NC, 28201 (Address) — Sheet 1 of 2

2. Plant Catawba Nuclear Station (Name) — Unit 1

4800 Concord Rd. York, S.C. 29745 (Address) — Work Order 1871324-06 (Work Order # (or Repair/Replacement Organization P.O. No., Job No., etc.))

3. Work Performed by Duke Energy Carolinas, LLC (Name)

526 South Church Street, Charlotte, NC 28201-1006 (Address)

Type Code Symbol Stamp: NA

Authorization No.: NA

Expiration Date: NA

4. Identification of System NI- Safety injection System

5. (a) Applicable Construction Code Section III 19 74 Edition, S'75 Addenda, _____ Code Case

(b) Applicable Edition of Section XI used for Repair/Replacement Activity 1998 Edition with the 1999 and 2000 Addenda

(c) Applicable Section XI Code Case(s) _____

6. Identification of Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Corrected, Removed, or Installed	ASME Code Stamped (Yes or No)
Valve	Dresser	TG80188	1891	1NI-119	1986	Removed	Yes
Valve	Dresser	TD89437	NA	1NI-119	1978	Installed	Yes

7. Description of Work Replaced Component/Part/Appurtenance

Additional Description _____

8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operation Pressure ☑ Exempt ☐ Other ☐ Pressure 980 PSI Test Temp. 92.1 °F

Description (Optional): _____

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

As Required by the Provisions of the ASME Code Section XI

9. Remarks (Should Include the Following Information, as Applicable): Sheet 2 of 2

Component Line Size: 2 in. (nominal) System Class: ASME Class 2

Weld Isometric Drawing No(s).: NA

Flow Diagram No(s).: NA

Support/Restraint Sketch/Drawing No(s).: NA

Other Applicable Information (e.g., W.O. No., EC No.) if not included elsewhere on NIS-2 Form: NA

Applicable Manufacturer's Data Reports to be attached

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp NA

Certificate of Authorization No. NA Expiration Date NA

Signed Paul B L Smith Tech Spec II Date 12/10, 2009

Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of South Carolina and employed by HSBCT of Hartford Conn. have inspected the components described in this Owner's Report during the period 12-31-09 to 12-31-09, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of 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 Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection.

Kenneth Rathel Commissions SC 293 I N A

Inspector's Signature National Board, State, Province, and Endorsements

Date 12-31, 2009

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

As Required by the Provisions of the ASME Code Section XI

1. Owner Duke Energy Carolinas, LLC — Date 1/18/2010

526 South Church Street, Charlotte, NC, 28201 (Address) — Sheet 1 of 2

2. Plant Catawba Nuclear Station (Name) — Unit 1

4800 Concord Rd. York, S.C. 29745 (Address)

Work Order 1871325-07 (Work Order # (or Repair/Replacement Organization P.O. No., Job No., etc.))

3. Work Performed by Duke Energy Carolinas, LLC (Name)

526 South Church Street, Charlotte, NC 28201-1006 (Address)

Type Code Symbol Stamp: NA

Authorization No.: NA

Expiration Date: NA

4. Identification of System NV_ Chemical & Volume Control System

5. (a) Applicable Construction Code Section III 1974 Edition, S'75 Addenda, _____ Code Case

(b) Applicable Edition of Section XI used for Repair/Replacement Activity 1998 Edition with the 1999 and 2000 Addenda

(c) Applicable Section XI Code Case(s) _____

6. Identification of Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Corrected, Removed, or Installed	ASME Code Stamped (Yes or No)
Valve	Dresser	1940	NA	1NV-014	1988	Removed	Yes
Valve	Dresser	1953	NA	1NV-014	1992	Installed	Yes

7. Description of Work Replaced Component/Part/Appurtenance

Additional Description

8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operation Pressure ☑ Exempt ☐ Other ☐ Pressure 357 PSI Test Temp. 95.6 °F

Description (Optional):

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

As Required by the Provisions of the ASME Code Section XI

9. Remarks (Should Include the Following Information, as Applicable):

Component Line Size: 4 in. (nominal) System Class: ASME Class 2

Weld Isometric Drawing No(s).: NA

Flow Diagram No(s).: NA

Support/Restraint Sketch/Drawing No(s).: NA

Other Applicable Information (e.g., W.O. No., EC No.) if not included elsewhere on NIS-2 Form: NA

Applicable Manufacturer's Data Reports to be attached

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp NA

Certificate of Authorization No. NA Expiration Date NA

Signed Paul D L. Smith Tech Spec. II Date 1/18, 20 10

Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of South Carolina and employed by HSBCT of Hartford Conn. have inspected the components described in this Owner's Report during the period 1-21 to 1-21, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of 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 Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection.

Kenneth Whitted Commissions SC 233 TNA

Inspector's Signature National Board, State, Province, and Endorsements

Date 1-21, 20 10

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

As Required by the Provisions of the ASME Code Section XI

1. Owner Duke Energy Carolinas, LLC — Date 12/8/2009

526 South Church Street, Charlotte, NC, 28201 (Address) — Sheet 1 of 2

2. Plant Catawba Nuclear Station (Name) — Unit 1

4800 Concord Rd. York, S.C. 29745 (Address)

WO)1879186-01 (Work Order # (or Repair/Replacement Organization P.O. No., Job No., etc.)

3. Work Performed by Duke Energy Carolinas, LLC (Name)

526 South Church Street, Charlotte, NC 28201-1006 (Address)

Type Code Symbol Stamp: NA

Authorization No.: NA

Expiration Date: NA

4. Identification of System SV- Main Steam Vent to Atmosphere

5. (a) Applicable Construction Code Section III 19 74 Edition, S'75 Addenda, _____ Code Case

(b) Applicable Edition of Section XI used for Repair/Replacement Activity 1998 Edition with the 1999 and 2000 Addenda

(c) Applicable Section XI Code Case(s) _____

6. Identification of Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Corrected, Removed, or Installed	ASME Code Stamped (Yes or No)
Valve Disc	Dresser	ADZ-02	NA	1SV-014	NA	Removed	Yes
Valve Disc	Dresser	ADZ-04	NA	1SV-014	NA	Installed	Yes

7. Description of Work Replaced Component/Part/Appurtenance

Additional Description

8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operation Pressure ☐ Exempt ☑ Other ☐ Pressure _____ PSI Test Temp. _____ °F

Description (Optional):

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

As Required by the Provisions of the ASME Code Section XI

9. Remarks (Should Include the Following Information, as Applicable): Sheet 2 of 2

Component Line Size: NA in. (nominal) System Class: ASME Class 2

Weld Isometric Drawing No(s).: NA

Flow Diagram No(s).: NA

Support/Restraint Sketch/Drawing No(s).: NA

Other Applicable Information (e.g., W.O. No., EC No.) if not included elsewhere on NIS-2 Form: NA

Applicable Manufacturer's Data Reports to be attached

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp NA

Certificate of Authorization No. NA Expiration Date NA

Signed Paula L. Smith Tech Spec II Date 12/8, 20 09

Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of South Carolina and employed by HSBCT of Hartford Conn. have inspected the components described in this Owner's Report during the period 1-27-10 to 1-27-10, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of 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 Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection.

Kenneth Wentzel Commissions SC233 INA

Inspector's Signature National Board, State, Province, and Endorsements

Date 1-27, 20 10

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

As Required by the Provisions of the ASME Code Section XI

1. Owner Duke Energy Carolinas, LLC — Date 12/8/2009

526 South Church Street, Charlotte, NC, 28201 (Address) — Sheet 1 of 2

2. Plant Catawba Nuclear Station (Name) — Unit 1

4800 Concord Rd. York, S.C. 29745 (Address) — WO 1879192-01 (Work Order # (or Repair/Replacement Organization P.O. No., Job No., etc.))

3. Work Performed by Duke Energy Carolinas, LLC (Name)

526 South Church Street, Charlotte, NC 28201-1006 (Address)

Type Code Symbol Stamp: NA

Authorization No.: NA

Expiration Date: NA

4. Identification of System SV- Main Steam Vent to Atmosphere

5. (a) Applicable Construction Code Section III 1974 Edition, S'75 Addenda, _____ Code Case

(b) Applicable Edition of Section XI used for Repair/Replacement Activity 1998 Edition with the 1999 and 2000 Addenda

(c) Applicable Section XI Code Case(s) _____

6. Identification of Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Corrected, Removed, or Installed	ASME Code Stamped (Yes or No)
Valve Disc	Dresser	ADZ-01	NA	1SV-020	NA	Removed	Yes
Valve Disc	Dresser	ADZ-91	NA	1SV-020	NA	Installed	Yes

7. Description of Work Replaced Component/Part/Appurtenance

Additional Description

8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operation Pressure ☐ Exempt ☑ Other ☐ Pressure _____ PSI Test Temp. _____ °F

Description (Optional):

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

As Required by the Provisions of the ASME Code Section XI

9. Remarks (Should Include the Following Information, as Applicable): Sheet 2 of 2

Component Line Size: NA in. (nominal) System Class: ASME Class 2

Weld Isometric Drawing No(s).: NA

Flow Diagram No(s).: NA

Support/Restraint Sketch/Drawing No(s).: NA

Other Applicable Information (e.g., W.O. No., EC No.) if not included elsewhere on NIS-2 Form: NA

Applicable Manufacturer's Data Reports to be attached

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp NA

Certificate of Authorization No. NA Expiration Date NA

Signed Paul L Smith Tech Spec II Date 12/8, 2009

Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of South Carolina and employed by HSBCT of Hartford Conn. have inspected the components described in this Owner's Report during the period 2-3-10 to 2-3-10, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of 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 Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection.

Kenneth Wentland Commissions SC 2733 NB

Inspector's Signature National Board, State, Province, and Endorsements

Date 2-3, 2010

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

As Required by the Provisions of the ASME Code Section XI

1. Owner Duke Energy Carolinas, LLC — Date 12/10/2009

526 South Church Street, Charlotte, NC, 28201 (Address) — Sheet 1 of 2

2. Plant Catawba Nuclear Station (Name) — Unit 1

4800 Concord Rd. York, S.C. 29745 (Address) — Work Order 1895769-03 (Work Order # (or Repair/Replacement Organization P.O. No., Job No., etc.))

3. Work Performed by Duke Energy Carolinas, LLC (Name) — Type Code Symbol Stamp: NA

526 South Church Street, Charlotte, NC 28201-1006 (Address) — Authorization No.: NA

Expiration Date: NA

4. Identification of System FW- Refueling Water System

5. (a) Applicable Construction Code Section III 1974 Edition, S'75 Addenda, _____ Code Case

(b) Applicable Edition of Section XI used for Repair/Replacement Activity 1998 Edition with the 1999 and 2000 Addenda

(c) Applicable Section XI Code Case(s) _____

6. Identification of Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Corrected, Removed, or Installed	ASME Code Stamped (Yes or No)
Bolting	NA	NA	NA	1FW-10	NA	Installed	No

7. Description of Work Replaced Component/Part/Appurtenance

Additional Description _____

8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operation Pressure ☐ Exempt ☑ Other ☐ Pressure _____ PSI Test Temp. _____ °F

Description (Optional): _____

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

As Required by the Provisions of the ASME Code Section XI

9. Remarks (Should Include the Following Information, as Applicable):

Component Line Size: NA in. (nominal) System Class: ASME Class 2

Weld Isometric Drawing No(s).: NA

Flow Diagram No(s).: NA

Support/Restraint Sketch/Drawing No(s).: NA

Other Applicable Information (e.g., W.O. No., EC No.) if not included elsewhere on NIS-2 Form: NA

Applicable Manufacturer's Data Reports to be attached

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp NA

Certificate of Authorization No. NA Expiration Date NA

Signed Paul L Smith Tech Spec II Date 12/10, 20 09

Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of South Carolina and employed by HSBCT of Hartford Conn. have inspected the components described in this Owner's Report during the period 12-31-09 to 12-31-09, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of 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 Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection.

Kenneth Gauthier Commissions 233(SC) INA

Inspector's Signature National Board, State, Province, and Endorsements

Date 12-31, 20 09

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

As Required by the Provisions of the ASME Code Section XI

1. Owner Duke Energy Carolinas, LLC — Date 1/26/2010

526 South Church Street, Charlotte, NC, 28201 (Address) — Sheet 1 of 1

2. Plant Catawba Nuclear Station (Name) — Unit 1

4800 Concord Rd. York, S.C. 29745 (Address) — Work Order01898125-13 (Work Order # (or Repair/Replacement Organization P.O. No., Job No., etc.))

3. Work Performed by Duke Energy Carolinas, LLC (Name)

526 South Church Street, Charlotte, NC 28201-1006 (Address)

Type Code Symbol Stamp: NA

Authorization No.: NA

Expiration Date: NA

4. Identification of System RF- Interior Fire Protection System

5. (a) Applicable Construction Code Section III 19 74 Edition, S'75 Addenda, _____ Code Case

(b) Applicable Edition of Section XI used for Repair/Replacement Activity 1998 Edition with the 1999 and 2000 Addenda

(c) Applicable Section XI Code Case(s) _____

6. Identification of Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Corrected, Removed, or Installed	ASME Code Stamped (Yes or No)
Pipe/Fittings	Duke Energy	C-1RF	110		1983	Installed	Yes
Valve	Pacific	0203-0	191	1RF448	1980	Removed	Yes
Valve	Anderson-Greenwood	NI5030	13	1RF448	1982	Installed	Yes

7. Description of Work Replaced Component/Part/Appurtenance

Additional Description _____

8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operation Pressure ☑ Exempt ☐ Other ☐ Pressure 130 PSI Test Temp. 73.6 °F Description (Optional): _____

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

As Required by the Provisions of the ASME Code Section XI

9. Remarks (Should Include the Following Information, as Applicable): Sheet 2 of 2

Component Line Size: 4 in. (nominal) System Class: ASME Class 2

Weld Isometric Drawing No(s).: CN-1RF-120

Flow Diagram No(s).: NA

Support/Restraint Sketch/Drawing No(s).: NA

Other Applicable Information (e.g., W.O. No., EC No.) if not included elsewhere on NIS-2 Form: NA

Applicable Manufacturer's Data Reports to be attached

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp NA

Certificate of Authorization No. NA Expiration Date NA

Signed Paul L Sott Tech Spec. II Date 1/26, 20 10

Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of South Carolina and employed by HSBCT of Hartford Conn. have inspected the components described in this Owner's Report during the period 2-2-10 to 2-2-10, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of 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 Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection.

Kenneth Doubet Commissions SC 237 IN A

Inspector's Signature National Board, State, Province, and Endorsements

Date 2-2, 2010

6.0 ***Pressure Testing***

Second Period – Third 10-Year Interval

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

Table 6-1 Outage Specific Summary		
Examination Category	***Test Requirement***	***Total Examinations Credited For EOC18***
B-P	System Leakage Test (IWB-5220)	1
C-H	System Leakage Test (IWC-5220)	26

Table 6-2 shows a completion status of pressure test zones conducted during the Second Period of the third ten-year interval.

Table 6-2 Period Specific Summary				
Examination Category	***Test Requirement***	***Total Examinations Required For This Period***	***Total Examinations Credited For This Period***	***(%) Examinations Complete For This Period***
B-P	System Leakage Test (IWB-5220)	2	1	50%
C-H	System Leakage Test (IWC-5220)	33	26	78.79%

The Class 1 (Category B-P) pressure test zone is required each refueling outage. Table 6-3 shows a completion status of the Class 1 (Category B-P) pressure test zone conducted during refueling cycle EOC18.

Table 6-3 Detailed Class 1 Listing			
Zone Number	**EOC18 Completion Status**	**EOC18 VT-2 Examination Date**	**Code Case(s) Used**
1NC-001L-A	Complete	12/13/2009	N-533-1

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

Table 6-4 Detailed Class 2 Listing				
	Zone Number	**Period Completion Status**	**Final VT-2 Examination Date**	**Code Case(s) Used**
1	1BB-001L-B	Complete	12/13/2009	None
2	1CA-001L-B	Complete	12/13/2009	None
3	1FW-001L-B	Complete	1/21/2009	None
4	1FW-002L-B	Complete	1/21/2009	None
5	1NC-001L-A	Complete	12/13/2009	N-533-1
6	1NC-005L-B	Complete	2/13/2010	N-533-1
7	1NC-006L-B	Complete	12/13/2009	N-533-1
8	1ND-001L-B	Complete	12/9/2009	N-533-1
9	1ND-002L-B	Complete	2/10/2010	N-533-1
10	1ND-003L-B	Complete	12/9/2009	N-533-1
11	1ND-004L-B	Complete	12/1/2009	None
12	1NI-001L-B	Complete	12/13/2009	N-533-1
13	1NI-002L-B	Complete	12/12/2009	None
14	1NI-003L-B	Not Yet Tested		
15	1NI-004L-B	Complete	12/1/2009	N-533-1
16	1NI-005L-B	Complete	1/22/2009	None
17	1NI-006L-B	Not Yet Tested		
18	1NI-007L-B	Not Yet Tested		
19	1NI-008L-B	Not Yet Tested		
20	1NI-009L-B	Complete	12/1/2009	N-533-1
21	1NI-010L-B	Complete	12/1/2009	None
22	1NS-001L-B	Complete	2/5/2009	None
23	1NS-002L-B	Complete	1/29/2009	None
24	1NV-001L-B	Complete	12/13/2009	N-533-1
25	1NV-002L-B	Complete	3/11/2009	N-566-2

	Zone Number	Period Completion Status	Final VT-2 Examination Date	Code Case(s) Used
26	1NV-003L-B	Complete	4/23/2009	None
27	1NV-004L-B	Complete	1/26/2009	None
28	1NV-005L-B	Not Yet Tested		
29	1NV-006L-B	Complete	1/30/2009	N-566-2
30	1NV-008L-B	Complete	12/13/2009	N-533-1
31	1NW-001L-B	Not Yet Tested		
32	1RN-005L-C	Not Yet Tested		
33	1SA-001L-B	Complete	5/31/2009	None

Section 6 Prepared By:	Date:
Jim Boughman	2/23/10

Section 6 Reviewed By:	Date:
R. G. Hudson	2/23/10