Duke Energy®

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September 1, 2011

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 and Steam Generator
Inservice Inspection Summary Report for End of Cycle 19
Refueling Outage

In accordance with Section XI of the ASME Code, please find attached the subject 90-day reports which provide the results of the inservice inspection and the steam generator inspection associated with the subject outage. Note that the steam generator inservice inspection summary report includes all of the information required to be submitted in the 180-day report required by Catawba Technical Specification 5.6.8, "Steam Generator (SG) Tube Inspection Report". Therefore, no additional report is required to be submitted for this outage.

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

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

Attachments

A047
NRR

xc (with attachments):

V.M. McCree
Regional Administrator
U.S. Nuclear Regulatory Commission - Region II
Marquis One Tower
245 Peachtree Center Ave., NE Suite 1200
Atlanta, GA 30303-1257

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

Attachment 1

Catawba Unit 1 End of Cycle 19 Inservice Inspection Report

DUKE ENERGY CAROLINAS, LLC

CATAWBA NUCLEAR STATION, UNIT 1

DOCKET NUMBER 50-413

INSERVICE INSPECTION REPORT

AND

STEAM GENERATOR IN-SERVICE INSPECTION SUMMARY REPORT

FOR

END OF CYCLE 19 REFUELING OUTAGE

INSERVICE INSPECTION REPORT

DUKE ENERGY CAROLINAS
CATAWBA NUCLEAR STATION
UNIT 1
NINETEENTH REFUELING OUTAGE

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 $8^1/_2$ 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 269

FORM NIS-1 (Back)

8. Examination Dates: December 15, 2009 to June 7, 2011

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 8/24/2011 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 South Carolina employed by * HSB Global Standards have inspected the components described in this Owner's Report during the period 12-15-2009 to 8-24-11, 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 Deaton Commissions NB12410 SC233 INA
Inspector's Signature National Board, State, Province, and Endorsements

Date 8-24 2011

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

INSERVICE INSPECTION REPORT

CATAWBA UNIT 1

2011 REFUELING OUTAGE

EOC19 (OUTAGE 4)

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: _____ Date 08/22/2011

Checked By: _____ Date 8/22/2011

Approved By: _____ Date 8/24/2011

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   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 4 / EOC19. This is the last outage of the second inspection period of the Third Ten-Year Interval. ASME Section XI, 1998 Edition through 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 19 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-700 – Alternative Rules for Selection of Classes 1, 2, and 3 Vessel Welded Attachments for Examination, 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. This code case is mandated by 10CFR50.

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. This code case is mandated by 10CFR50.

PIP Serial Number C-04-03193 – This PIP was written to document a thermal fatigue cracking problem identified in the industry with RHR Mixing Tees. Elective examinations were added to the Catawba ISI Program as a result of this problem.

PIP Serial Number C-04-05257 – This PIP was written to document a linear surface indication discovered during the ISI examination of a Class B Welded Attachment in a previous Unit 2 Outage and the operability concerns raised by this finding.

PIP Serial Number G-08-00499 – This PIP was written to document the implementation of Code Case N-700 which allows the elimination of a number of welded attachment surface and visual examinations.

PIP Serial Number C-11-03751 – This PIP was written to document discontinuities discovered during the VT-1 examination of the RCP1A casing gasket surface.

PIP Serial Number C-11-04309 – This PIP was written to document the inspection of the Reactor Vessel Head to satisfy the requirements of Code Case N-729-1.

PIP Serial Number C-11-06483 – This PIP was written to track the corrective actions for the piping welds determined to have limited examination coverage during 1EOC19.

PIP Serial Number C-11-06555 – This PIP was written to document that the NIS-2 Form for a Section XI Repair/Replacement activity performed on work order 1940973 will not be submitted with the 1EOC19 Refueling Outage ISI Summary Report.

2.0 Third Ten-Year Interval Inspection Status

The completion status of inspections required by the 1998 Edition through 2000 Addenda of ASME Section XI 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	3	20%	Partial
B-B	Pressure Retaining Welds in Vessels Other than Reactor Vessels	5	3	60%	No
B-D	Full Penetration Welds of Nozzles in Vessels Inspection Program B	40	20	50%	Partial
B-F	Pressure Retaining Dissimilar Metal Welds	20	10	50%	Partial
B-G-1	Pressure Retaining Bolting Greater than 2" in Diameter	242	180	74.38%	Yes
B-G-2	Pressure Retaining Bolting 2" and Less in Diameter	27	20	74.07%	No
B-J	Pressure Retaining Welds in Piping	230	143	62.17%	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	2	100%	No
B-L-1	Pressure Retaining Welds in Pump Casings	N/A	N/A	N/A	N/A
B-L-2	Pump Casings	1	1	100%	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	2	66.67%	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	44	58.67%	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 in accordance with the Station Technical Specifications and is submitted in a separate report.

Class 2 Inspections

Examination Category	*Description*	*Inspections Required*	*Inspections Completed*	*Percentage Completed*
C-A	Pressure Retaining Welds in Pressure Vessels	31	22	70.97%
C-B	Pressure Retaining Nozzle Welds in Vessels	15	10	66.67%
C-C	Integral Attachments for Vessels, Piping, Pumps, and Valves	28	19	67.86%
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	159	61.87%

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	57	62.64%
C-G	Pressure Retaining Welds in Pumps and Valves	21	14	66.67%
C-H	All Pressure Retaining Components	REFERENCE SECTION 6.0 OF THIS REPORT		
F-A	Class 2 Component Supports	286	192	67.13%

Augmented / Elective Inspections

Summary Number	*Description*	*Percentage Complete*
B4.10	Bare Metal Visual Examination of the Reactor Head Surface	100% of Outage 4/EOC-19 Requirements Met
B4.20	Reactor Vessel Upper Head Nozzles or Partial Penetration Welds	None Scheduled Outage 4/EOC-19
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 4/EOC-19 Requirements Met
G1.1	Reactor Coolant Pump Flywheel Examinations	None Scheduled Outage 4/EOC-19

Augmented / Elective Inspections (continued)

G2.1	Postulated Pipe Failures	100% of Outage 4/EOC-19 Requirements Met
G3.1	NRC Bulletin 88-08 Thermal Stress Piping in Reactor Coolant System	None Scheduled Outage 4/EOC-19
G4.1	Unguarded Containment Sump Suction Line Piping Weld	100% of Outage 4/EOC-19 Requirements Met
G5.1	RPV Head Penetration Nozzles per NRC Order EA-03-009	None Scheduled Outage 4/EOC-19
G6.2	Pressurizer Bare Metal Visual Examinations (NRC Bulletin 2004-01)	100% of Outage 4/EOC-19 Requirements Met
G8.3	RPV Bare Metal Visual Examination per Requirements of MRP-139	None Scheduled Outage 4/EOC-19 100% of Outage 3/EOC-18 Requirements Met (Reported in Refueling Outage 4/EOC19 ISI Summary Report)
G8.4	Auxiliary Head Adapter Examinations Performed in Conjunction with CRDM Head Penetrations per Code Case N-729-1	None Scheduled Outage 4/EOC-19
G9.1	Reactor Vessel Closure Head Studs Inspected per Nuclear Guide 1.65	None Scheduled Outage 4/EOC-19
G10.1	Nuclear Service Water (RN) System Supply Header	None Scheduled Outage 4/EOC-19
G10.2	Nuclear Service Water (RN) System Supply Piping	None Scheduled Outage 4/EOC-19
H1.1	Safety Injection (NI) Cold Leg Accumulator Welds Subject to Unanalyzed Thermal Transients	None Scheduled Outage 4/EOC-19
H2.1	Residual Heat Removal (ND) Mixing Tees Subject to Thermal Fatigue Cracking	100% of Outage 4/EOC-19 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 4 (EOC-19)

This report includes all changes through addendum 3CNS1-061

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-69	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.

Due to compliance with 10 CFR50.55a and significant consequences associated with BMI leakage, Engineering judgment supports changing the frequency of the Bare Metal Visual Inspection (VT-2) of the BMI Nozzles to every refueling outage beginning in 1EOC19/Outage #4. Reference QA-513J Form (Tracking Number ER-CNS-10-01) initiated by C.A. Cruz of the Materials and NDE Services Group.

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.B4.10.0002	1RPV-HEAD-SURFACE-MULTIPLE Class 1 NC	CNM 1201.01-51	NDE-70	VT-2	CS-Inconel		0.000 / 0.000		---

Schedule starting with 1EOC18 and continue into every outage that the full bare metal visual (C1.B4.10.0001) is not performed. 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 of the full bare metal visual 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 full bare metal visual is not completed. Provided EDY remains less than 8, the next full bare metal visual will be due in 1EOC19, Therefore, IWA-2212 VT-2 visuals shall be performed in 1EOC18, and then again in 1EOC20, and 1EOC21. EDY calculation will continued to be updated and if EDY > or equal to 8 these IWA-2212 VT-2 visuals will no longer take place, because a bare metal visual per Code Caase N-729-1 will be required every refueling outage. EDY Calculations will continue to be updated and if EDY is greater than or equal 8 the full bare metal will be required every refueling outage, with no flexibility, and these alternate VE's will be discontinued.

EDY calculation will continue to be updated and if EDY > or equal to 8 the full bare metal visuals will be required every refueling outage, with no flexibility, and these alternative VE's will be discontinued. Once a licensee implements this requirement, the First Revised NRC Order EA-03-009 no longer applies and is deemed to be withdrawn.

For coverage requirements, see Figure 1 of Code Case N-729-1. For additional information, reference QA-513J Form (ER-CNS-09-04). For additional information, contact Rachel Doss in the Material and NDE Services Section, Nuclear Technical Services Division.
Acceptance criteria specified in ASME Code Case 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. Once a licensee implements this requirement, First Revised NRC Order EA-03-009 no longer applies and is deemed to be withdrawn.

The examination schedule for this inspection was originally 1EOC18 (Outage #3), 1EOC20 (Outage #5), and 1EOC21 (Outage #6) established per QA 513J Form with Tracking Number ER-CNS-09-04. The examination schedule is being revised to reschedule this inspection to 1EOC19 (Outage #4) and 1EOC20 (Outage #5) per QA 513 J Form with Tracking Number ER-CNS-09-14. The first scheduled inspection for this exam in the Fourth Inspection Interval will be 1EOC22 (Outage #1). There is no change to the original examination frequency of this inspection, therefore it will continue to be performed each outage the full bare metal visual is not performed. For additional information pertaining to these inspections, contact Rachel Doss in the Materials and NDE Services Section, Nuclear Technical Services Division.

C1.G2.1.0024	1SM32-01 Class 2 SM	CN-1SM-032	NDE-25	MT	CS		2.375 / 34.000		G02.001.024, G02.001.024A
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.G2.1.0024 Circumferential	1SM32-01 Class 2 SM	CN-1SM-032 CN-ISIN3-1593-1.0	PDI-UT-1 Pipe to Pipe	UT	CS		2.375 / 34.000	50385	G02.001.024, G02.001.024A
C1.G2.1.0025 Circumferential	1SM-8A-A Class 2 SM	CN-1SM-032 CN-ISIN3-1593-1.0	PDI-UT-1 Pipe to Pipe Grinnell Piece Mark CT-SM-8A Weld A.	UT	CS		2.375 / 34.000	50385	G02.001.025, G02.001.025A
C1.G2.1.0025 Circumferential	1SM-8A-A Class 2 SM	CN-1SM-032 CN-ISIN3-1593-1.0	NDE-25 Pipe to Pipe Grinnell Piece Mark CT-SM-8A Weld A.	MT	CS		2.375 / 34.000		G02.001.025, G02.001.025A
C1.G2.1.0026 Circumferential	1SM32-05 Class 2 SM	CN-1SM-032 CN-ISIN3-1593-1.0	PDI-UT-1 Pipe to Valve 1SM007	UT	CS		2.375 / 34.000	50385	G02.001.026, G02.001.026A
C1.G2.1.0026 Circumferential	1SM32-05 Class 2 SM	CN-1SM-032 CN-ISIN3-1593-1.0	NDE-25 Pipe to Valve 1SM007	MT	CS		2.375 / 34.000		G02.001.026, G02.001.026A

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.G2.1.0027	1SM32-06								
	Class 2 SM	CN-1SM-032	NDE-25	MT	CS		2.375 / 34.000		G02.001.027, G02.001.027A
Circumferential		CN-ISIN3-1593-1.0							
			Valve 1SM007 to Pipe						
C1.G2.1.0027	1SM32-06								
	Class 2 SM	CN-1SM-032	PDI-UT-1	UT	CS		2.375 / 34.000		G02.001.027, G02.001.027A
		CN-ISIN3-1593-1.0						50385	
Circumferential									
			Valve 1SM007 to Pipe						
C1.G2.1.0033	1SM33-04								
	Class 2 SM	CN-1SM-033	NDE-25	MT	CS		1.750 / 34.000		G02.001.033, G02.001.033A
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.G2.1.0033	1SM33-04								
	Class 2 SM	CN-1SM-033	PDI-UT-1	UT	CS		1.750 / 34.000		G02.001.033, G02.001.033A
		CN-ISIN3-1593-1.0						PDI-UT-1-C	
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.G2.1.0034	1SM-7A-A								
	Class 2 SM	CN-1SM-033	NDE-25	MT	CS		1.750 / 34.000		G02.001.034, G02.001.034A
Circumferential		CN-ISIN3-1593-1.0							
			Elbow to Pipe						
			Grinnell Piece Mark CT-SM-7A 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.						

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.G2.1.0034	1SM-7A-A								
	Class 2 SM	CN-1SM-033	PDI-UT-1	UT	CS		1.750 / 34.000		G02.001.034,
		CN-ISIN3-1593-1.0						PDI-UT-1-C	G02.001.034A
Circumferential									
			Elbow to Pipe						
			Grinnell Piece Mark CT-SM-7A 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.G2.1.0035	1SM-7A-B								
	Class 2 SM	CN-1SM-033	NDE-25	MT	CS		1.750 / 34.000		G02.001.035,
									G02.001.035A
Circumferential		CN-ISIN3-1593-1.0							
			Pipe to Pipe						
			Grinnell Piece Mark CT-SM-7A Weld B. 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.G2.1.0035	1SM-7A-B								
	Class 2 SM	CN-1SM-033	PDI-UT-1	UT	CS		1.750 / 34.000		G02.001.035,
		CN-ISIN3-1593-1.0						PDI-UT-1-C	G02.001.035A
Circumferential									
			Pipe to Pipe						
			Grinnell Piece Mark CT-SM-7A Weld B. 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.G4.1.0001	1NI79-6								
	Class 2 NI	CN-1NI-79	NDE-600	UT	SS	20	0.312 / 18.000	Component	G04.001.00
Circumferential		CN-ISIN3-1562-1.3							
			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. Weld to be examined once per 10 year interval in the same period.						

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		G06.002.00
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.G8.3.0001	1RPV-VENT-NOZZLE								
	Class 1 NC		NDE 68	VT-2	CS-Inconel		0.211 / 1.000		G08.003.00
Circumferential		CNM 1201.01-105							
Dissimilar		30738-1539							
			Nozzle to Head						
			Bare Metal Visual Examination by VT-2 qualified inspector per requirements of MRP-139. (For responsible individual, contact J.M. Shuping, Alloy 600 Engineer Nuclear Technical Services).						
			The one inch Vent Nozzle and Vent Line. The visual inspection consists of the nozzle to Reactor Pressure Vessel Head and a series of full penetration Alloy 600 Welds connecting piping. The extent of piping inspection is from the Reactor pressure vessel vent nozzle to the flange. Use Reactor Vessel Head Penetration Visual Inspection Procedure MP/0/A/7150/042D . These welds will also receive a visual inspection according to NRC Revised Order EA-03-009. (see Item Number Series G05.001.002)						
Category B-A									
C1.B1.21.0002	1RPV-W09								
	Class 1 NC	CNM 1201.01-51	PDI-UT-6	UT	CS		6.890 / NA	50376	B01.021.00
		CNM 1201.01-32						50236A	
Circumferential									
		CNM 1201.01-33							
			Head Ring to Head Cap						
			Upper Head Ring Pc.09 To Upper Head Cap Pc.10.						
C1.B1.40.0001	1RPV-W08								
	Class 1 NC	CNM 1201.01-51	NDE-640	UT	CS		6.890 / NA	50376	B01.040.001,
		CNM 1201.01-32						50236A	B01.040.001
Circumferential									
		CNM 1201.01-33							
			Head Ring to Flange						
			Upper Head Ring Pc.09 to Upper Head Flange Pc.08.						

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-A									
C1.B1.40.0001	1RPV-W08								
	Class 1 NC	CNM 1201.01-51	NDE-820	UT	CS		6.890 / NA	50376	B01.040.001,
		CNM 1201.01-32						50236A	B01.040.001A
Circumferential									
		CNM 1201.01-33							
			Head Ring to Flange						
			Upper Head Ring Pc.09 to Upper Head Flange Pc.08.						
Category B-B									
C1.B2.11.0002	1PZR-W8E								
	Class 1 NC	CNM 1201.01-175	NDE-820	UT	CS		3.750 / NA	50337	B02.011.00
Circumferential		CNM 1201.01-67							
		CNM 1201.01-212							
			Head to Shell						
			Pressurizer Upper Head to Shell Circumferential Weld. Thickness per EDSK 379605 (CNM.1201.01-212).						
C1.B2.11.0002	1PZR-W8E								
	Class 1 NC	CNM 1201.01-175	NDE-640	UT	CS		3.750 / NA	50337	B02.011.00
Circumferential		CNM 1201.01-67							
		CNM 1201.01-212							
			Head to Shell						
			Pressurizer Upper Head to Shell Circumferential Weld. Thickness per EDSK 379605 (CNM.1201.01-212).						
C1.B2.12.0002	1PZR-W9D								
	Class 1 NC	CNM 1201.01-175	NDE-820	UT	CS		3.750 / NA	50337	B02.012.00
Longitudinal		CNM 1201.01-67							
		CNM 1201.01-212							
			Head to Shell						
			Pressurizer Upper Head to Shell Longitudinal Weld, Thickness per EDSK 379605 (CNM.1201.01-212).						
C1.B2.12.0002	1PZR-W9D								
	Class 1 NC	CNM 1201.01-175	NDE-640	UT	CS		3.750 / NA	50337	B02.012.00
Longitudinal		CNM 1201.01-67							
		CNM 1201.01-212							
			Head to Shell						
			Pressurizer Upper Head to Shell Longitudinal Weld, Thickness per EDSK 379605 (CNM.1201.01-212).						

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.B3.110.0001	1PZR-W1								
	Class 1 NC	CNM 1201.01-175/1	NDE-820	UT	CS		3.280 / NA		B03.110.00
		CNM 1201.01-67						50338	
Circumferential									
		CNM 1201.01-212							
			Nozzle to Head						
			Pressurizer Surge Nozzle to Lower Head. EDSK 379605B reflects thickness range of 2.55/3.00. (CNM 1201.01-212)						
C1.B3.110.0001	1PZR-W1								
	Class 1 NC	CNM 1201.01-175/1	NDE-640	UT	CS		3.280 / NA		B03.110.00
		CNM 1201.01-67						50338	
Circumferential									
		CNM 1201.01-212							
			Nozzle to Head						
			Pressurizer Surge Nozzle to Lower Head. EDSK 379605B reflects thickness range of 2.55/3.00. (CNM 1201.01-212)						
C1.B3.110.0004	1PZR-W4A								
	Class 1 NC	CNM 1201.01-175/1	NDE-640	UT	CS		2.500 / NA	50338	B03.110.00
Circumferential		CNM 1201.01-67							
		CNM 1201.01-212							
			Nozzle to Head						
			Pressurizer Safety Nozzle to Upper Head. X-Y Quadrant. EDSK 379605B reflects thickness range of 1.90/2.50. (CNM 1201.01-212)						
C1.B3.110.0004	1PZR-W4A								
	Class 1 NC	CNM 1201.01-175/1	NDE-820	UT	CS		2.500 / NA	50338	B03.110.00
Circumferential		CNM 1201.01-67							
		CNM 1201.01-212							
			Nozzle to Head						
			Pressurizer Safety Nozzle to Upper Head. X-Y Quadrant. EDSK 379605B reflects thickness range of 1.90/2.50. (CNM 1201.01-212)						
C1.B3.110.0005	1PZR-W4B								
	Class 1 NC	CNM 1201.01-175/1	NDE-820	UT	CS		2.500 / NA	50338	B03.110.00
Circumferential		CNM 1201.01-67							
		CNM 1201.01-212							
			Nozzle to Head						
			Pressurizer Safety Nozzle to Upper Head. W-X Quadrant. EDSK 379605B reflects thickness range of 1.90/2.50. (CNM 1201.01-212)						

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.B3.110.0005 Circumferential	1PZR-W4B Class 1 NC	CNM 1201.01-175/1 CNM 1201.01-67 CNM 1201.01-212	NDE-640 Nozzle to Head Pressurizer Safety Nozzle to Upper Head. W-X Quadrant. EDSK 379605B reflects thickness range of 1.90/2.50. (CNM 1201.01-212)	UT	CS		2.500 / NA	50338	B03.110.00
C1.B3.110.0006 Circumferential	1PZR-W4C Class 1 NC	CNM 1201.01-175/1 CNM 1201.01-67 CNM 1201.01-212	NDE-640 Nozzle to Head Pressurizer Safety Nozzle to Upper Head. W-Z Quadrant. EDSK 379605B reflects thickness range of 1.90/2.50. (CNM 1201.01-212)	UT	CS		2.500 / NA	50338	B03.110.00
C1.B3.110.0006 Circumferential	1PZR-W4C Class 1 NC	CNM 1201.01-175/1 CNM 1201.01-67 CNM 1201.01-212	NDE-820 Nozzle to Head Pressurizer Safety Nozzle to Upper Head. W-Z Quadrant. EDSK 379605B reflects thickness range of 1.90/2.50. (CNM 1201.01-212)	UT	CS		2.500 / NA	50338	B03.110.00
C1.B3.120.0001 Circumferential	1PZR-W1 Class 1 NC	CNM 1201.01-175/1 CNM 1201.01-67 CNM 1201.01-212	NDE-680 Nozzle to Head Pressurizer Surge Nozzle to Lower Head (Inside Radius Section). EDSK 379605B reflects thickness range of 2.55/3.00. (CNM 1201.01-212)	UT	CS		3.280 / NA	CB-01-163	B03.120.00
C1.B3.120.0004 Circumferential	1PZR-W4A Class 1 NC	CNM 1201.01-175/1 CNM 1201.01-67 CNM 1201.01-212	NDE-680 Nozzle to Head Pressurizer Safety Nozzle to Upper Head (Inside Radius Section). X-Y Quadrant. EDSK 379605B reflects thickness range of 1.90/2.50. (CNM 1201.01-212)	UT	CS		2.500 / NA	50237D	B03.120.00

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.B3.120.0005	1PZR-W4B								
	Class 1 NC	CNM 1201.01-175/1	NDE-680	UT	CS		2.500 / NA	50237D	B03.120.005
Circumferential		CNM 1201.01-67							
		CNM 1201.01-212							
			Nozzle to Head						
			Pressurizer Safety Nozzle to Upper Head (Inside Radius Section). W-X Quadrant. EDSK 379605B reflects thickness range of 1.90/2.50. (CNM 1201.01-212)						
C1.B3.120.0006	1PZR-W4C								
	Class 1 NC	CNM 1201.01-175/1	NDE-680	UT	CS		2.500 / NA	50237D	B03.120.006
Circumferential		CNM 1201.01-67							
		CNM 1201.01-212							
			Nozzle to Head						
			Pressurizer Safety Nozzle to Upper Head (Inside Radius Section). W-Z Quadrant. EDSK 379605B reflects thickness range of 1.90/2.50. (CNM 1201.01-212)						
C1.B3.140.0001	1SGA-INTLET								
	Class 1 NC	CNM 1201.01-609	NDE-680	UT	CS		6.625 / NA	50235	B03.140.001
Circumferential		CNM 1201.01-617							
		CNM 1201.01-618							
			Steam Generator 1A Primary Inlet Nozzle to Lower Head (Inside Radius Section). Y1-X2 Quadrant.						
C1.B3.140.0002	1SGA-OUTLET								
	Class 1 NC	CNM 1201.01-609	NDE-680	UT	CS		6.625 / NA	50235	B03.140.002
Circumferential		CNM 1201.01-617							
		CNM 1201.01-618							
			Steam Generator 1A Primary Outlet Nozzle to Lower Head (Inside Radius Section). Y2-X2 Quadrant.						
C1.B3.140.0005	1SGC-INLET								
	Class 1 NC	CNM 1201.01-609	NDE-680	UT	CS		6.625 / NA	50235	B03.140.005
Circumferential		CNM 1201.01-617							
		CNM 1201.01-618							
			Steam Generator 1C Primary Inlet Nozzle to Lower Head (Inside Radius Section). Y1-X2 Quadrant.						
C1.B3.140.0006	1SGC-OUTLET								
	Class 1 NC	CNM 1201.01-609	NDE-680	UT	CS		6.625 / NA	50235	B03.140.006
Circumferential		CNM 1201.01-617							
		CNM 1201.01-618							
			Steam Generator 1C Primary Outlet Nozzle to Lower Head (Inside Radius Section). Y2-X2 Quadrant.						

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.B5.70.0001	1SGA-INLET-W5SE								
	Class 1 NC	CNM 1201.01-609	NDE-35	PT	SS-CS		3.500 / 31.000		B05.070.001, B05.070.001A
Circumferential Terminal End Dissimilar		CNM 1201.01-617							
			Nozzle to Safe End						
			Steam Generator 1A Inlet Nozzle to Safe End. NPS value reflects pipe ID nominal dimension.						
C1.B5.70.0001	1SGA-INLET-W5SE								
	Class 1 NC	CNM 1201.01-609	PDI-UT-10	UT	SS-CS		3.500 / 31.000	5149697	B05.070.001, B05.070.001A
		CNM 1201.01-617						5158172	
Circumferential Terminal End Dissimilar									
			Nozzle to Safe End						
			Steam Generator 1A Inlet Nozzle to Safe End. NPS value reflects pipe ID nominal dimension.						
C1.B5.70.0002	1SGA-OUTLET-W6SE								
	Class 1 NC	CNM 1201.01-609	NDE-35	PT	SS-CS		3.500 / 31.000		B05.070.002, B05.070.002A
Circumferential Terminal End Dissimilar		CNM 1201.01-617							
			Nozzle to Safe End						
			Steam Generator 1A Outlet Nozzle to Safe End. NPS value is nominal pipe ID dimension.						
C1.B5.70.0002	1SGA-OUTLET-W6SE								
	Class 1 NC	CNM 1201.01-609	PDI-UT-10	UT	SS-CS		3.500 / 31.000	5149697	B05.070.002, B05.070.002A
		CNM 1201.01-617						5158172	
Circumferential Terminal End Dissimilar									
			Nozzle to Safe End						
			Steam Generator 1A Outlet Nozzle to Safe End. NPS value is nominal pipe ID dimension.						

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.B6.110.0003	1SGB-MW-Y1-X2 Class 1 NC	CNM 1201.01-580	NDE-62	VT-1	CS		0.000 / 2.500		B06.110.00
			Steam Generator 1B Primary Inlet Manway Nuts (20 Nuts). Y1-X2 Quadrant.						
C1.B6.110.0004	1SGB-MW-X2-Y2 Class 1 NC	CNM 1201.01-580	NDE-62	VT-1	CS		0.000 / 2.500		B06.110.00
			Steam Generator 1B Primary Outlet Manway Nuts (20 Nuts). X2-Y2 Quadrant.						
C1.B6.110.0005	1SGC-MW-X1-Y1 Class 1 NC	CNM 1201.01-580	NDE-62	VT-1	CS		0.000 / 2.500		B06.110.00
			Steam Generator 1C Primary Inlet Manway Nuts (20 Nuts). X1-Y1 Quadrant.						
C1.B6.110.0006	1SGC-MW-X1-Y2 Class 1 NC	CNM 1201.01-580	NDE-62	VT-1	CS		0.000 / 2.500		B06.110.00
			Steam Generator 1C Primary Outlet Manway Nuts (20 Nuts). X1-Y2 Quadrant.						
C1.B6.190.0001	1RCP-1A-FLANGE Class 1 NC	CN-1NC-024 CNM 1201.01-115	NDE-62	VT-1	SS		0.000 / 0.000		B06.190.00
			RCP-1A Main Flange Surface Examine Only When Connection Is Disassembled						
C1.B6.90.0003	1SGB-MW-Y1-X2 Class 1 NC	CNM 1201.01-580 CNM 1201.01-609	PDI-UT-4	UT	CS		26.625 / 2.500	7C-015	B06.090.00
			Steam Generator 1B Primary Manway Inlet Bolting (20 Studs).Y1-X2 Quadrant.						
C1.B6.90.0004	1SGB-MW-X2-Y2 Class 1 NC	CNM 1201.01-580 CNM 1201.01-609	PDI-UT-4	UT	CS		26.625 / 2.500	7C-015	B06.090.00
			Steam Generator 1B Primary Manway Outlet Bolting (20 Studs). X2-Y2 Quadrant.						

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.B6.90.0005	1SGC-MW-X1-Y1 Class 1 NC	CNM 1201.01-580 CNM 1201.01-609	PDI-UT-4	UT	CS		26.625 / 2.500	7C-015	B06.090.005
			Steam Generator 1C Primary Manway Inlet Bolting (20 Studs). X1-Y1 Quadrant.						
C1.B6.90.0006	1SGC-MW-X1-Y2 Class 1 NC	CNM 1201.01-580 CNM 1201.01-609	PDI-UT-4	UT	CS		26.625 / 2.500	7C-015	B06.090.006
			Steam Generator 1C Primary Manway Outlet Bolting (20 Studs). X1-Y2 Quadrant.						
Category B-G-2									
C1.B7.60.0001	1RCP-1A-S Class 1 NC	CN-ISIN3-1553-1.1 CNM 1201.01-115	NDE-62	VT-1	CS		2.000 / NA		B07.060.001
			Reactor Coolant Pump 1A Seal Housing Bolting. No. 1 Seal Housing Cap Screws (12 Bolts). Inspect Bolting On One Reactor Coolant Pump Only. Bolting is item#15 on CNM 1201.01-0115 sheets 1 and 2. Reference Unit 1 / PR-15 on PIP G-10-0134. Bolting Length = 8.000.						
C1.B7.60.0002	1RCP-1A-H Class 1 NC	CN-ISIN3-1553-1.0 CNM 1201.01-115	NDE-62	VT-1	CS		1.000 / NA		---
			Reactor Coolant Pump 1A Seal Housing Bolting. No. 2 Seal Housing Cap Screws (12 Bolts / Length=3.250). Inspect Bolting On One Reactor Coolant Pump Only. Bolting is item #66 on CNM 1201.01-0115 sheets 1 and 2. Reference PIP G-10-0015 CA #19.						
C1.B7.70.0003	1NI-54A Class 1 NI	CN-1NI-081 CNM 1205.00-071	NDE-62	VT-1	SS		0.000 / 1.630		B07.070.021
			10" Valve (18 Studs, 18 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.B9.11.0014	1NC26-2 Class 1 NC	CN-1NC-26	NDE-35	PT	SS	160	1.406 / 14.000		B09.011.014, B09.011.014A
Circumferential		CN-ISIN3-1553-1.1							
			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.*						
C1.B9.11.0014	1NC26-2 Class 1 NC	CN-1NC-26	NDE-600	UT	SS	160	1.406 / 14.000	Component	B09.011.014, B09.011.014A
Circumferential		CN-ISIN3-1553-1.1							
			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.						
C1.B9.11.0021	1NC28-2 Class 1 NC	CN-1NC-28	NDE-35	PT	SS	140	1.125 / 12.000		B09.011.021, B09.011.021A
Circumferential		CN-ISIN3-1553-1.0							
			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.B9.11.0021	1NC28-2 Class 1 NC	CN-1NC-28 CN-ISIN3-1553-1.0	PDI-UT-2	UT	SS	140	1.125 / 12.000	PDI-UT-2-C 50219	B09.011.021, B09.011.021A
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.B9.11.0022	1NC28-3 Class 1 NC	CN-1NC-28	NDE-35	PT	SS	140	1.125 / 12.000		B09.011.022, B09.011.022A
Circumferential		CN-ISIN3-1553-1.0							
			Elbow 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.B9.11.0022	1NC28-3 Class 1 NC	CN-1NC-28 CN-ISIN3-1553-1.0	PDI-UT-2	UT	SS	140	1.125 / 12.000	PDI-UT-2-C 50219	B09.011.022, B09.011.022A
Circumferential									
			Elbow 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.B9.11.0023	1NC28-5 Class 1 NC	CN-1NC-28	NDE-35	PT	SS	140	1.125 / 12.000		B09.011.023, B09.011.023A
Circumferential		CN-ISIN3-1553-1.0							
			Tee 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.B9.11.0023	1NC28-5 Class 1 NC	CN-1NC-28 CN-ISIN3-1553-1.0	PDI-UT-2	UT	SS	140	1.125 / 12.000	PDI-UT-2-C 50219	B09.011.023, B09.011.023A
Circumferential									
			Tee 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.B9.11.0024	1NC28-8								
	Class 1 NC	CN-1NC-28	NDE-35	PT	SS	160	0.719 / 6.000		B09.011.024, B09.011.024A
Circumferential		CN-ISIN3-1553-1.0							
			Tee 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.B9.11.0024	1NC28-8								
	Class 1 NC	CN-1NC-28 CN-ISIN3-1553-1.0	PDI-UT-2	UT	SS	160	0.719 / 6.000	PDI-UT-2-C 50211	B09.011.024, B09.011.024A
Circumferential									
			Tee 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.B9.11.0025	1NC28-9								
	Class 1 NC	CN-1NC-28	NDE-35	PT	SS	160	0.719 / 6.000		B09.011.025, B09.011.025A
Circumferential		CN-ISIN3-1553-1.0							
			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.B9.11.0025	1NC28-9								
	Class 1 NC	CN-1NC-28 CN-ISIN3-1553-1.0	PDI-UT-2	UT	SS	160	0.719 / 6.000	PDI-UT-2-C 50211	B09.011.025, B09.011.025A
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.B9.11.0026	1NC29-6 Class 1 NC	CN-1NC-29	NDE-35	PT	SS	140	1.000 / 10.000		B09.011.026, B09.011.026A
Circumferential		CN-ISIN3-1553-1.0							
			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.B9.11.0026	1NC29-6 Class 1 NC	CN-1NC-29 CN-ISIN3-1553-1.0	PDI-UT-2	UT	SS	140	1.000 / 10.000	PDI-UT-2-C 50209	B09.011.026, B09.011.026A
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.B9.11.0037	1NC34-5 Class 1 NC	CN-1NC-34	NDE-35	PT	SS	140	1.000 / 10.000		B09.011.037, B09.011.037A
Circumferential		CN-ISIN3-1553-1.0							
			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.B9.11.0037	1NC34-5 Class 1 NC	CN-1NC-34	NDE-600	UT	SS	140	1.000 / 10.000	Component	B09.011.037, B09.011.037A
Circumferential		CN-ISIN3-1553-1.0							
			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.B9.11.0038	1NC34-6								
	Class 1 NC	CN-1NC-34	NDE-35	PT	SS	140	1.000 / 10.000		B09.011.038, B09.011.038A
Circumferential		CN-ISIN3-1553-1.0							
			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.B9.11.0038	1NC34-6								
	Class 1 NC	CN-1NC-34	NDE-600	UT	SS	140	1.000 / 10.000	Component	B09.011.038, B09.011.038A
Circumferential		CN-ISIN3-1553-1.0							
			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.B9.11.0041	1NC44-15								
	Class 1 NC	CN-1NC-44	NDE-35	PT	SS	160	0.531 / 4.000		B09.011.041, B09.011.041A
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.B9.11.0041	1NC44-15								
	Class 1 NC	CN-1NC-44 CN-ISIN3-1553-1.1	PDI-UT-2	UT	SS	160	0.531 / 4.000	PDI-UT-2A-C 50275	B09.011.041, B09.011.041A
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.B9.11.0068	1ND38-1 Class 1 ND	CN-1ND-38	NDE-35	PT	SS	140	1.125 / 12.000		B09.011.104, B09.011.104A
Circumferential		CN-ISIN3-1561-1.0							
			Valve 1ND002A 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.B9.11.0068	1ND38-1 Class 1 ND	CN-1ND-38 CN-ISIN3-1561-1.0	PDI-UT-2	UT	SS	140	1.125 / 12.000	PDI-UT-2-C 50219	B09.011.104, B09.011.104A
Circumferential									
			Valve 1ND002A 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.B9.11.0069	1ND38-17 Class 1 ND	CN-1ND-38	NDE-35	PT	SS	140	1.125 / 12.000		B09.011.105, B09.011.105A
Circumferential		CN-ISIN3-1561-1.0							
			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.B9.11.0069	1ND38-17 Class 1 ND	CN-1ND-38 CN-ISIN3-1561-1.0	PDI-UT-2	UT	SS	140	1.125 / 12.000	PDI-UT-2-C 50219	B09.011.105, B09.011.105A
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.B9.11.0070	1ND38-18								
	Class 1 ND	CN-1ND-38	NDE-35	PT	SS	140	1.125 / 12.000		B09.011.106, B09.011.106A
Circumferential		CN-ISIN3-1561-1.0							
			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.B9.11.0070	1ND38-18								
	Class 1 ND	CN-1ND-38 CN-ISIN3-1561-1.0	PDI-UT-2	UT	SS	140	1.125 / 12.000	PDI-UT-2-C 50219	B09.011.106, B09.011.106A
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.B9.11.0071	1NI9-4								
	Class 1 NI	CN-1NI-9	NDE-35	PT	SS	160	0.719 / 6.000		B09.011.151, B09.011.151A
Circumferential		CN-ISIN3-1562-1.3							
			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.B9.11.0071	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-2A-C 50211	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).						

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.B9.11.0072	1NI9-7 Class 1	NI	CN-1NI-9 CN-ISIN3-1562-1.3	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. Examined 1EOC18 (Outage #3) as an additional sample weld examination to meet the requirements of IWB-2430 (a).	PT	SS	160	0.719 / 6.000		B09.011.152, B09.011.152A
Circumferential										
C1.B9.11.0072	1NI9-7 Class 1	NI	CN-1NI-9 CN-ISIN3-1562-1.3	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. Examined 1EOC18 (Outage #3) as an additional sample weld examination to meet the requirements of IWB-2430 (a).	UT	SS	160	0.719 / 6.000	PDI-UT-2A-C 50211	B09.011.152, B09.011.152A
Circumferential										
C1.B9.11.0073	1NI9-8 Class 1	NI	CN-1NI-9 CN-ISIN3-1562-1.3	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. Examined 1EOC18 (Outage #3) as an additional sample weld examination to meet the requirements of IWB-2430 (a).	PT	SS	160	0.719 / 6.000		B09.011.153, B09.011.153A
Circumferential										
C1.B9.11.0073	1NI9-8 Class 1	NI	CN-1NI-9 CN-ISIN3-1562-1.3	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. Examined 1EOC18 (Outage #3) as an additional sample weld examination to meet the requirements of IWB-2430 (a).	UT	SS	160	0.719 / 6.000	PDI-UT-2A-C 50211	B09.011.153, B09.011.153A
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.B9.11.0074	1NI9-9								
	Class 1 NI	CN-1NI-9	NDE-35	PT	SS	160	0.719 / 6.000		B09.011.154, B09.011.154A
Circumferential		CN-ISIN3-1562-1.3							
			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.B9.11.0074	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-2A-C 50211	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.B9.11.0106	1NI237-1								
	Class 1 NI	CN-1NI-237	NDE-35	PT	SS	160	0.906 / 8.000		B09.011.186, B09.011.186A
Circumferential		CN-ISIN3-1562-1.2							
			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.B9.11.0106	1NI237-1								
	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 50210	B09.011.186, B09.011.186A
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.						

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 50210	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.B9.11.0107	1NI237-2 Class 1 NI	CN-1NI-237 CN-ISIN3-1562-1.2	NDE-35	PT	SS	160	0.906 / 8.000		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	NDE-35	PT	SS	160	0.906 / 8.000		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.B9.11.0108	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 50210	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).						

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.B9.11.0109	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 50210	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).						
C1.B9.11.0109	1NI237-7								
	Class 1 NI	CN-1NI-237 CN-ISIN3-1562-1.2	NDE-35	PT	SS	160	0.906 / 8.000		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).						
C1.B9.11.0110	1NI237-9								
	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 50210	B09.011.190, B09.011.190A
Circumferential			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.B9.11.0110	1NI237-9								
	Class 1 NI	CN-1NI-237 CN-ISIN3-1562-1.2	NDE-35	PT	SS	160	0.906 / 8.000		B09.011.190, B09.011.190A
Circumferential			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).						

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.B9.11.0111	1NI237-12 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 50210	B09.011.191, B09.011.191A
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.B9.11.0111	1NI237-12 Class 1 NI	CN-1NI-237 CN-ISIN3-1562-1.2	NDE-35	PT	SS	160	0.906 / 8.000		B09.011.191, B09.011.191A
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.B9.11.0408	1NC44-24 Class 1 NC	CN-1NC-44 CN-ISIN3-1553-1.1 CNM 1205.06-0452 001	NDE-35	PT	SS	160	0.531 / 4.000		---
			Elbow to Valve 1NC29 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.B9.11.0408	1NC44-24 Class 1 NC	CN-1NC-44 CN-ISIN3-1553-1.1 CNM 1205.06-0452 001	PDI-UT-2	UT	SS	160	0.531 / 4.000	PDI-UT-2-C 50275	---
			Elbow to Valve 1NC29 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.B9.11.0409	1NC44-25 Class 1 NC	CN-1NC-44 CN-ISIN3-1553-1.1	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	160	0.531 / 4.000		---
C1.B9.11.0409	1NC44-25 Class 1 NC	CN-1NC-44 CN-ISIN3-1553-1.1	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	160	0.531 / 4.000	PDI-UT-2A-C 50275	---
C1.B9.21.0003 Circumferential	1NC23-12 Class 1 NC	CN-1NC-23 CN-ISIN3-1553-1.0	NDE-35 Nozzle to Cap Reactor Coolant Loop 1D Crossover Leg.	PT	SS		0.438 / 3.000		B09.021.00
C1.B9.21.0004 Circumferential	1NC24-9 Class 1 NC	CN-1NC-24 CN-ISIN3-1553-1.0	NDE-35 Nozzle to Cap Reactor Coolant Loop 1A Crossover Leg.	PT	SS	160	0.438 / 3.000		B09.021.00
C1.B9.21.0019 Circumferential	1NC81-1 Class 1 NC	CN-1NC-81 CN-ISIN3-1553-1.0	NDE-35 Tee to Pipe	PT	SS	160	0.438 / 3.000		B09.021.01
C1.B9.21.0020 Circumferential	1NC81-2 Class 1 NC	CN-1NC-81 CN-ISIN3-1553-1.0	NDE-35 Pipe to Reducer	PT	SS	160	0.438 / 3.000		B09.021.02

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.B9.21.0021 Circumferential Stress Weld	1NC82-1 Class 1 NC	CN-1NC-82 CN-ISIN3-1553-1.0	NDE-35 Nozzle to Pipe Reactor Coolant Loop 1C Cold Leg.	PT	SS	160	0.281 / 1.500		B09.021.02
C1.B9.21.0026 Circumferential	1NC288-1 Class 1 NC	CN-1NC-288 CN-ISIN3-1553-1.0	NDE-35 Elbow to Pipe	PT	SS	160	0.438 / 3.000		B09.021.02
C1.B9.21.0027 Circumferential	1NC288-3 Class 1 NC	CN-1NC-288 CN-ISIN3-1553-1.0	NDE-35 Pipe to Valve 1NC298	PT	SS	160	0.438 / 3.000		B09.021.02
C1.B9.31.0001 Branch	1NC22-WN7 Class 1 NC	CN-1NC-22 CN-ISIN3-1553-1.0	NDE-35 Branch to Pipe Reactor Coolant Loop 1B Hot Leg. (Cast Stainless Steel)	PT	SS	160	1.406 / 14.000		B09.031.001, B09.031.001
C1.B9.31.0001 Branch	1NC22-WN7 Class 1 NC	CN-1NC-22 CN-ISIN3-1553-1.0	NDE-830 Branch to Pipe Reactor Coolant Loop 1B Hot Leg. (Cast Stainless Steel)	UT	SS	160	1.406 / 14.000	50386A	B09.031.001, B09.031.001

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.B9.31.0003	1NC24-WN9								
	Class 1 NC	CN-1NC-24	NDE-35	PT	SS	160	0.719 / 6.000		B09.031.003, B09.031.003A
Branch		CN-ISIN3-1553-1.0							
			Branch to Pipe						
			Reactor Coolant Loop 1A Hot Leg. (Cast Stainless Steel)						
C1.B9.31.0003	1NC24-WN9								
	Class 1 NC	CN-1NC-24 CN-ISIN3-1553-1.0	NDE-830	UT	SS	160	0.719 / 6.000	50386A	B09.031.003, B09.031.003A
Branch									
			Branch to Pipe						
			Reactor Coolant Loop 1A Hot Leg. (Cast Stainless Steel)						
C1.B9.32.0003	1NC24-WN4								
	Class 1 NC	CN-1NC-24	NDE-35	PT	SS	160	0.344 / 2.000		B09.032.00
Branch		CN-ISIN3-1553-1.0							
			Branch to Pipe						
			Reactor Coolant Loop 1A Cold Leg. (Cast Stainless Steel)						
C1.B9.32.0005	1NC24-WN8A								
	Class 1 NC	CN-1NC-24	NDE-35	PT	SS	160	0.438 / 3.000		B09.032.00
Branch		CN-ISIN3-1553-1.0							
			Branch to Pipe						
			Reactor Coolant Loop 1A Cold Leg.						
C1.B9.32.0006	1NC24-WN10								
	Class 1 NC	CN-1NC-24	NDE-35	PT	SS	160	0.281 / 1.500		B09.032.00
Branch		CN-ISIN3-1553-1.0 CNM 1201.01-181/3							
			Branch to Pipe						
			Reactor Coolant Loop 1A Cold Leg. (Cast Stainless Steel)						

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.B9.40.0013	1NC88-1								
	Class 1 NC	CN-1NC-88	NDE-35	PT	SS	160	0.344 / 2.000		B09.040.013
Socket		CN-ISIN3-1553-1.1							
Stress Weld									
			Valve 1NV038 to Pipe						
C1.B9.40.0014	1NC88-2								
	Class 1 NC	CN-1NC-88	NDE-35	PT	SS	160	0.344 / 2.000		B09.040.014
Socket		CN-ISIN3-1553-1.1							
Stress Weld									
			Pipe to Elbow						
C1.B9.40.0015	1NC88-3								
	Class 1 NC	CN-1NC-88	NDE-35	PT	SS	160	0.344 / 2.000		B09.040.015
Socket		CN-ISIN3-1553-1.1							
Stress Weld									
			Elbow to Pipe						
C1.B9.40.0016	1NC88-9								
	Class 1 NC	CN-1NC-88	NDE-35	PT	SS	160	0.344 / 2.000		B09.040.016
Socket		CN-ISIN3-1553-1.1							
Stress Weld									
			Pipe to Elbow						
C1.B9.40.0017	1NC88-10								
	Class 1 NC	CN-1NC-88	NDE-35	PT	SS	160	0.344 / 2.000		B09.040.017
Socket		CN-ISIN3-1553-1.1							
Stress Weld									
			Elbow to Pipe						
C1.B9.40.0018	1NC88-11								
	Class 1 NC	CN-1NC-88	NDE-35	PT	SS	160	0.344 / 2.000		B09.040.018
Socket		CN-ISIN3-1553-1.1							
Stress Weld									
			Pipe 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 B-J									
C1.B9.40.0019	1NC88-12								
	Class 1 NC	CN-1NC-88	NDE-35	PT	SS	160	0.344 / 2.000		B09.040.01
Socket		CN-ISIN3-1553-1.1							
Stress Weld									
			Elbow to Pipe						
C1.B9.40.0020	1NC73-5								
	Class 1 NC	CN-1NC-73	NDE-35	PT	SS	160	0.344 / 2.000		B09.040.02
Socket		CN-ISIN3-1553-1.0							
			Valve 1NC19 to Pipe						
C1.B9.40.0021	1NC73-6								
	Class 1 NC	CN-1NC-73	NDE-35	PT	SS	160	0.344 / 2.000		B09.040.02
Socket		CN-ISIN3-1553-1.0							
			Pipe to Tee						
C1.B9.40.0027	1NI151-4								
	Class 1 NI	CN-1NI-151	NDE-35	PT	SS	160	0.344 / 2.000		B09.040.05
Socket		CN-ISIN3-1562-1.3							
			Special Weld Branch to Pipe						
C1.B9.40.0028	1NI151-6								
	Class 1 NI	CN-1NI-151	NDE-35	PT	SS	160	0.344 / 2.000		B09.040.05
Socket		CN-ISIN3-1562-1.3							
			Elbow to Pipe						
C1.B9.40.0029	1NI160-1								
	Class 1 NI	CN-1NI-160	NDE-35	PT	SS	160	0.344 / 2.000		B09.040.05
Socket		CN-ISIN3-1562-1.3							
			Special Weld Branch to Pipe						
C1.B9.40.0030	1NI160-2								
	Class 1 NI	CN-1NI-160	NDE-35	PT	SS	160	0.344 / 2.000		B09.040.05
Socket		CN-ISIN3-1562-1.3							
			Pipe 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 B-J									
C1.B9.40.0031	1NI167-4								
	Class 1 NI	CN-1NI-167	NDE-35	PT	SS	160	0.344 / 2.000		B09.040.05
Socket		CN-ISIN3-1562-1.3							
			Pipe to Special Weld Branch						
C1.B9.40.0032	1NI192-8								
	Class 1 NI	CN-1NI-192	NDE-35	PT	SS	160	0.344 / 2.000		B09.040.06
Socket		CN-ISIN3-1562-1.0							
			Pipe to Valve 1NI17						
C1.B9.40.0033	1NI235-10								
	Class 1 NI	CN-1NI-235	NDE-35	PT	SS	160	0.344 / 2.000		B09.040.06
Socket		CN-ISIN3-1562-1.2							
			Pipe to Tee						
C1.B9.40.0034	1NI235-14								
	Class 1 NI	CN-1NI-235	NDE-35	PT	SS	160	0.344 / 2.000		B09.040.06
Socket		CN-ISIN3-1562-1.2							
			Tee to Pipe						
C1.B9.40.0035	1NI235-23								
	Class 1 NI	CN-1NI-235	NDE-35	PT	SS	160	0.344 / 2.000		B09.040.06
Socket		CN-ISIN3-1562-1.2							
			Tee to Pipe						
C1.B9.40.0036	1NI236-35								
	Class 1 NI	CN-1NI-236	NDE-35	PT	SS	160	0.344 / 2.000		B09.040.06
Socket		CN-ISIN3-1562-1.2							
			Tee to Pipe						
C1.B9.40.0037	1NI236-37								
	Class 1 NI	CN-1NI-236	NDE-35	PT	SS	160	0.344 / 2.000		B09.040.06
Socket		CN-ISIN3-1562-1.2							
			Elbow 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 B-J									
C1.B9.40.0038	1NI236-38								
	Class 1 NI	CN-1NI-236	NDE-35	PT	SS	160	0.344 / 2.000		B09.040.06
Socket		CN-ISIN3-1562-1.2							
			Pipe to Reducing Coupling						
C1.B9.40.0056	1NV484-2								
	Class 1 NV	CN-1NV-484	NDE-35	PT	SS	160	0.344 / 2.000		B09.040.11
Socket		CN-ISIN3-1554-1.5							
			Pipe to Valve 1NV60						
C1.B9.40.0057	1NV484-4								
	Class 1 NV	CN-1NV-484	NDE-35	PT	SS	160	0.344 / 2.000		B09.040.11
Socket		CN-ISIN3-1554-1.5							
			Pipe to Elbow						
C1.B9.40.0058	1NV487-3								
	Class 1 NV	CN-1NV-487	NDE-35	PT	SS	160	0.344 / 2.000		B09.040.11
Socket		CN-ISIN3-1554-1.5							
			Elbow to Pipe						
C1.B9.40.0059	1NV487-10								
	Class 1 NV	CN-1NV-487	NDE-35	PT	SS	160	0.344 / 2.000		B09.040.11
Socket		CN-ISIN3-1554-1.5							
			Pipe to Elbow						
C1.B9.40.0060	1NV487-11								
	Class 1 NV	CN-1NV-487	NDE-35	PT	SS	160	0.344 / 2.000		B09.040.11
Socket		CN-ISIN3-1554-1.5							
			Elbow to Pipe						
C1.B9.40.0061	1NV488-1								
	Class 1 NV	CN-1NV-488	NDE-35	PT	SS	160	0.344 / 2.000		B09.040.11
Socket		CN-ISIN3-1554-1.5							
			Valve 1NV492 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 B-J									
C1.B9.40.0062	1NV488-7								
	Class 1 NV	CN-1NV-488	NDE-35	PT	SS	160	0.344 / 2.000		B09.040.11
Socket		CN-ISIN3-1554-1.5							
			Elbow to Pipe						
C1.B9.40.0063	1NV488-10								
	Class 1 NV	CN-1NV-488	NDE-35	PT	SS	160	0.344 / 2.000		B09.040.12
Socket		CN-ISIN3-1554-1.5							
			Pipe to Flange						
C1.B9.40.0064	1NV488-15								
	Class 1 NV	CN-1NV-488	NDE-35	PT	SS	160	0.344 / 2.000		B09.040.12
Socket		CN-ISIN3-1554-1.5							
			Tee to Reducing Insert						
C1.B9.40.0075	1NVRCP1A-1								
	Class 1 NV	CNM 1201.01-115	NDE-35	PT	SS	80	0.200 / 1.500		B09.040.13
Socket		CNM 1201.01-151							
		CN-ISIN3-1573-1.4							
			Pipe to Flange						
			Pipe to RCP1A Thermal Barrier Flange.						
Category B-K									
C1.B10.10.0001	1PZR-SKIRT								
	Class 1 NC	CNM 1201.01-66	NDE-25	MT	CS		1.500 / NA		B10.010.001, B10.010.001
		CN-ISIN3-1553-1.1							
		CNM 1201.01-67							
			Support Skirt to Head						
			Pressurizer Support Skirt to Lower Head (Welded Attachment). Perform a surface examination from an accessible side of the attachment weld per Examination Category B-K, Table IWB-2500-1, Note 7. The weld configuration is shown in Figure IWB-2500-13 Welded Attachment, per Request for Relief 94-04.						

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-L-2									
C1.B12.20.0001	1RCP-1A Class 1 NC	CN-1NC-024 CNM 1201.01-115	NDE-64	VT-3	SS		4.500 / 77.000		B12.020.00
			Reactor Coolant Pump 1A Casing Internal Surfaces. Only One Pump Required To Be Examined Per Interval. Inspect Only If Pump Is Disassembled For Maintenance Repair, or Volumetric Examination.						
Category B-N-1									
C1.B13.10.0001	1RPV-INTERIOR Class 1 NC	CNM 1201.01-32	NDE-63	VT-3	SS		0.000 / 0.000		B13.010.00
			Reactor Vessel Interior. Areas To Be Examined Shall Include The Spaces Above and Below The Reactor Core That Are Made Accsessible For Examination By Removal Of Components During Normal Refueling Outages. Inspect Each Inspection Period. A vendor will have to be contracted to perform this inspection. Reference Specification DPS 1438.80-00-0003, Revision 0.						
Category C-A									
C1.C1.20.0010	1SGD-W144 Class 2 NC	CNM 1201.01-610	NDE-640	UT	CS		4.125 / NA	5139385	C01.020.01
Circumferential		CNM 1201.01-617							
			Shell to Head Steam Generator 1D Steam Drum Shell to Steam Drum Head.						
C1.C1.20.0010	1SGD-W144 Class 2 NC	CNM 1201.01-610	NDE-820	UT	CS		4.125 / NA	5139385	C01.020.01
Circumferential		CNM 1201.01-617							
			Shell to Head Steam Generator 1D Steam Drum Shell to Steam Drum Head.						
Category C-B									
C1.C2.21.0001	1SGD-W258 Class 2 CF	CNM 1201.01-567	NDE-25	MT	CS		4.125 / NA		C02.021.001, C02.021.001A
Circumferential		CNM 1201.01-617							
			Nozzle to Shell Steam Generator 1D Feedwater Nozzle to Steam Drum Shell.						

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.C2.21.0001	1SGD-W258 Class 2 CF	CNM 1201.01-567	NDE-640	UT	CS		4.125 / NA	5139385	C02.021.001, C02.021.001A
Circumferential		CNM 1201.01-617							
			Nozzle to Shell Steam Generator 1D Feedwater Nozzle to Steam Drum Shell.						
C1.C2.21.0001	1SGD-W258 Class 2 CF	CNM 1201.01-567	NDE-820	UT	CS		4.125 / NA	5139385	C02.021.001, C02.021.001A
Circumferential		CNM 1201.01-617							
			Nozzle to Shell Steam Generator 1D Feedwater Nozzle to Steam Drum Shell.						
C1.C2.21.0002	1SGD-W259 Class 2 CA	CNM 1201.01-568	NDE-25	MT	CS		4.125 / NA		C02.021.002, C02.021.002A
Circumferential		CNM 1201.01-617							
			Nozzle to Shell Steam Generator 1D Auxillary Feedwater Nozzle to Steam Drum Shell.						
C1.C2.21.0002	1SGD-W259 Class 2 CA	CNM 1201.01-568	NDE-820	UT	CS		4.125 / NA	5139385	C02.021.002, C02.021.002A
Circumferential		CNM 1201.01-617							
			Nozzle to Shell Steam Generator 1D Auxillary Feedwater Nozzle to Steam Drum Shell.						
C1.C2.21.0002	1SGD-W259 Class 2 CA	CNM 1201.01-568	NDE-640	UT	CS		4.125 / NA	5139385	C02.021.002, C02.021.002A
Circumferential		CNM 1201.01-617							
			Nozzle to Shell Steam Generator 1D Auxillary Feedwater Nozzle to Steam Drum Shell.						

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.C2.22.0001	1SGD-W258								
	Class 2 NC	CNM 1201.01-567	NDE-680	UT	CS		4.125 / NA	D8304-601	C02.022.00
Circumferential		CNM 1201.01-617							
			Nozzle to Shell						
			Steam Generator 1D Feedwater Nozzle Inside Radius.						
Category C-C									
C1.C3.10.0005	1SWIFB-SUPPORT								
	Class 2 NV	CNM 1201.04-74	NDE-35	PT	SS		0.250 / 0.000		C03.010.02
		CN-ISIN3-1554-1.2							
			Support Leg to Shell						
			Seal Water Injection Filter 1B. Examine welded attachment leg, Pc.4 (1 leg located nearest inlet side of head, to the right of 3/4"-6000# Socket Weld Drain, shown in Section AA on Drawing Number CNM 1201.04-0074) to Head Pc. 2a. Reference Code Case N-700 and PIP#G-08-00499. Examine with C1.F1.40.0020.						
C1.C3.10.0006	1ELDHX-SUPPORT								
	Class 2 NV	CNM 1201.06-37	NDE-35	PT	SS		0.322 / NA		C03.010.02
		CN-ISIN3-1554-1.0							
			Plate to Shell						
			Excess Letdown Heat Exchanger Support. Welded Attachment for support saddle located closest to Nozzle Mk. E on Drawing Number CNM 1201.06-0037. Reference Code Case N-700 and PIP#G-08-00499.						
C1.C3.10.0018	1REGHX-SUPPORT								
	Class 2 NV	CNM 1201.06-31	NDE-35	PT	SS		0.250 / NA		C03.010.02
Rigid Support		CN-ISIN3-1554-1.0							
		CNM 1201.06-0088							
			Support Bracket to Shell						
			Regenerative Heat Exchanger Support Welded Attachment. Examine welded attachment of 1 bracket-to-shell connection shown on drawing Number CNM 1201.06-0031 at thr right end of the middle heat exchanger shell. Examine with C1.F1.40.0015. Reference Code Case N-700 and PIP#G-08-00499.						
C1.C3.10.0019	1VCT-SUPPORT								
	Class 2 NV	CNM 1201.04-102	NDE-35	PT	SS		0.250 / 0.000		C03.010.02
Rigid Support		CN-ISIN3-1554-1.1							
			Support Plate to Shell						
			Volume Control Tank Support (1 Leg) Welded Attachment on Support @45 Degrees, as shown on Drawing Number CNM 1201.04-0102. Examine with C1.F1.40.0021. Reference Code Case N-700 and PIP#G-08-00499.						

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.C3.20.0017 Rigid Support	1-R-SM-1585 Class 2 SM	CN-1491-SM030 CN-ISIN3-1593-1.0	NDE-25 Examine with F01.020.205.	MT	CS		0.750 / 34.000		C03.020.07
Category C-F-1									
C1.C5.11.0006 Circumferential	1CF34-3 Class 2 CF	CN-1CF-34 CN-ISIN3-1591-1.1	NDE-35 Pipe to Valve 1CF042	PT	SS-CS	80	0.938 / 18.000		C05.011.011, C05.011.011A
C1.C5.11.0006 Circumferential	1CF34-3 Class 2 CF	CN-1CF-34 CN-ISIN3-1591-1.1	PDI-UT-10 Pipe to Valve 1CF042	UT	SS-CS	80	0.938 / 18.000	50472 50330	C05.011.011, C05.011.011A
C1.C5.11.0017 Circumferential Terminal End	1ND1-1 Class 2 ND	CN-1ND-1 CN-ISIN3-1561-1.0	NDE-35 Pipe to Flange Residual Heat Removal Pump 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.	PT	SS	40	0.438 / 14.000		C05.011.041, C05.011.041A
C1.C5.11.0017 Circumferential Terminal End	1ND1-1 Class 2 ND	CN-1ND-1 CN-ISIN3-1561-1.0	PDI-UT-2 Pipe to Flange Residual Heat Removal Pump 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.	UT	SS	40	0.438 / 14.000	PDI-UT-2-C 50432	C05.011.041, C05.011.041A

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.C5.11.0023	1ND1-2 Class 2 ND	CN-1ND-1	NDE-35	PT	SS	40	0.438 / 14.000		C05.011.047, C05.011.047A
Circumferential		CN-ISIN3-1561-1.0							
			Flange 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.C5.11.0023	1ND1-2 Class 2 ND	CN-1ND-1 CN-ISIN3-1561-1.0	PDI-UT-2	UT	SS	40	0.438 / 14.000	PDI-UT-2-C 50432	C05.011.047, C05.011.047A
Circumferential									
			Flange 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.C5.11.0024	1ND1-4 Class 2 ND	CN-1ND-1	NDE-35	PT	SS	40	0.438 / 14.000		C05.011.048, C05.011.048A
Circumferential		CN-ISIN3-1561-1.0							
			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.C5.11.0024	1ND1-4 Class 2 ND	CN-1ND-1 CN-ISIN3-1561-1.0	PDI-UT-2	UT	SS	40	0.438 / 14.000	PDI-UT-2-C 50432	C05.011.048, C05.011.048A
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.C5.11.0025	1ND1-5 Class 2 ND	CN-1ND-1 CN-ISIN3-1561-1.0	NDE-35	PT	SS	40	0.438 / 14.000		C05.011.049, C05.011.049A
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.C5.11.0025	1ND1-5 Class 2 ND	CN-1ND-1 CN-ISIN3-1561-1.0	PDI-UT-2	UT	SS	40	0.438 / 14.000	PDI-UT-2-C 50432	C05.011.049, C05.011.049A
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.C5.11.0037	1ND2-10 Class 2 ND	CN-1ND-2 CN-ISIN3-1561-1.0	NDE-35	PT	SS	STD	0.375 / 12.000		C05.011.061, C05.011.061A
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.C5.11.0037	1ND2-10 Class 2 ND	CN-1ND-2 CN-ISIN3-1561-1.0	PDI-UT-2	UT	SS	STD	0.375 / 12.000	PDI-UT-2-C 50313	C05.011.061, C05.011.061A
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.C5.11.0038	1ND2-4 Class 2 ND	CN-1ND-2	NDE-35	PT	SS	40	0.438 / 14.000		C05.011.062, C05.011.062A
Circumferential		CN-ISIN3-1561-1.0							
			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.C5.11.0038	1ND2-4 Class 2 ND	CN-1ND-2 CN-ISIN3-1561-1.0	PDI-UT-2	UT	SS	40	0.438 / 14.000	PDI-UT-2-C 50432	C05.011.062, C05.011.062A
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.C5.11.0039	1ND2-5 Class 2 ND	CN-1ND-2	NDE-35	PT	SS	40	0.438 / 14.000		C05.011.063, C05.011.063A
Circumferential		CN-ISIN3-1561-1.0							
			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.C5.11.0039	1ND2-5 Class 2 ND	CN-1ND-2 CN-ISIN3-1561-1.0	PDI-UT-2	UT	SS	40	0.438 / 14.000	PDI-UT-2-C 50432	C05.011.063, C05.011.063A
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.C5.11.0040	1ND2-6									
	Class 2	ND	CN-1ND-2	NDE-35	PT	SS	40	0.438 / 14.000		C05.011.064, C05.011.064A
Circumferential			CN-ISIN3-1561-1.0							
				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.C5.11.0040	1ND2-6									
	Class 2	ND	CN-1ND-2 CN-ISIN3-1561-1.0	PDI-UT-2	UT	SS	40	0.438 / 14.000	PDI-UT-2-C 50432	C05.011.064, C05.011.064A
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.C5.11.0045	1ND4-4									
	Class 2	ND	CN-1ND-4	NDE-35	PT	SS	STD	0.375 / 12.000		C05.011.069, C05.011.069A
Circumferential			CN-ISIN3-1561-1.0							
				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.C5.11.0045	1ND4-4									
	Class 2	ND	CN-1ND-4 CN-ISIN3-1561-1.0	PDI-UT-2	UT	SS	STD	0.375 / 12.000	PDI-UT-2-C 50313	C05.011.069, C05.011.069A
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.C5.11.0046	1ND4-5									
	Class 2	ND	CN-1ND-4	NDE-35	PT	SS	STD	0.375 / 12.000		C05.011.070, C05.011.070A
Circumferential			CN-ISIN3-1561-1.0							
				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.C5.11.0046	1ND4-5									
	Class 2	ND	CN-1ND-4 CN-ISIN3-1561-1.0	PDI-UT-2	UT	SS	STD	0.375 / 12.000	PDI-UT-2-C 50313	C05.011.070, C05.011.070A
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.C5.11.0083	1NI7-5									
	Class 2	NI	CN-1NI-7 CN-ISIN3-1562-1.3	PDI-UT-2	UT	SS	160	0.719 / 6.000	PDI-UT-2-C 50211	C05.011.120, C05.011.120A
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.C5.11.0083	1NI7-5									
	Class 2	NI	CN-1NI-7	NDE-35	PT	SS	160	0.719 / 6.000		C05.011.120, C05.011.120A
Circumferential			CN-ISIN3-1562-1.3							
				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.C5.11.0084	1NI7-6 Class 2 NI	CN-1NI-7 CN-ISIN3-1562-1.3	PDI-UT-2	UT	SS	160	0.719 / 6.000	PDI-UT-2-C 50211	C05.011.121, C05.011.121A
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.C5.11.0084	1NI7-6 Class 2 NI	CN-1NI-7 CN-ISIN3-1562-1.3	NDE-35	PT	SS	160	0.719 / 6.000		C05.011.121, C05.011.121A
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.C5.11.0085	1NI7-7 Class 2 NI	CN-1NI-7 CN-ISIN3-1562-1.3	PDI-UT-2	UT	SS	160	0.719 / 6.000	PDI-UT-2-C 50211	C05.011.122, C05.011.122A
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.C5.11.0085	1NI7-7 Class 2 NI	CN-1NI-7 CN-ISIN3-1562-1.3	NDE-35	PT	SS	160	0.719 / 6.000		C05.011.122, C05.011.122A
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.C5.11.0086	1NI7-8 Class 2 NI	CN-1NI-7 CN-ISIN3-1562-1.3	PDI-UT-2	UT	SS	160	0.719 / 6.000	PDI-UT-2-C 50211	C05.011.123, C05.011.123A
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.C5.11.0086	1NI7-8 Class 2 NI	CN-1NI-7 CN-ISIN3-1562-1.3	NDE-35	PT	SS	160	0.719 / 6.000		C05.011.123, C05.011.123A
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.C5.11.0087	1NI7-17 Class 2 NI	CN-1NI-7 CN-ISIN3-1562-1.3	NDE-35	PT	SS	160	0.719 / 6.000		C05.011.124, C05.011.124A
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.C5.11.0087	1NI7-17 Class 2 NI	CN-1NI-7 CN-ISIN3-1562-1.3	NDE-600	UT	SS	160	0.719 / 6.000	Component	C05.011.124, C05.011.124A
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.C5.11.0088	1NI7-18								
	Class 2 NI	CN-1NI-7	NDE-35	PT	SS	160	0.719 / 6.000		C05.011.125, C05.011.125A
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.C5.11.0088	1NI7-18								
	Class 2 NI	CN-1NI-7	NDE-600	UT	SS	160	0.719 / 6.000	Component	C05.011.125, C05.011.125A
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.C5.11.0089	1NI7-19								
	Class 2 NI	CN-1NI-7	NDE-35	PT	SS	160	0.719 / 6.000		C05.011.126, C05.011.126A
Circumferential		CN-ISIN3-1562-1.3							
			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.C5.11.0089	1NI7-19								
	Class 2 NI	CN-1NI-7	NDE-600	UT	SS	160	0.719 / 6.000	Component	C05.011.126, C05.011.126A
Circumferential		CN-ISIN3-1562-1.3							
			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.C5.11.0090	1NI8-1 Class 2 NI	CN-1NI-8	NDE-35	PT	SS	160	0.719 / 6.000		C05.011.127, C05.011.127A
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.C5.11.0090	1NI8-1 Class 2 NI	CN-1NI-8 CN-ISIN3-1562-1.3	PDI-UT-2	UT	SS	160	0.719 / 6.000	PDI-UT-2-C 50211	C05.011.127, C05.011.127A
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.C5.11.0091	1NI8-2 Class 2 NI	CN-1NI-8 CN-ISIN3-1562-1.3	PDI-UT-2	UT	SS	160	0.719 / 6.000	PDI-UT-2-C 50211	C05.011.128, C05.011.128A
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.C5.11.0091	1NI8-2 Class 2 NI	CN-1NI-8	NDE-35	PT	SS	160	0.719 / 6.000		C05.011.128, C05.011.128A
Circumferential		CN-ISIN3-1562-1.3							
			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.C5.11.0092	1NI8-3 Class 2 NI	CN-1NI-8 CN-ISIN3-1562-1.3	PDI-UT-2	UT	SS	160	0.719 / 6.000	PDI-UT-2-C 50211	C05.011.129, C05.011.129A
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.C5.11.0092	1NI8-3 Class 2 NI	CN-1NI-8 CN-ISIN3-1562-1.3	NDE-35	PT	SS	160	0.719 / 6.000		C05.011.129, C05.011.129A
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.C5.11.0093	1NI8-7 Class 2 NI	CN-1NI-8 CN-ISIN3-1562-1.3	PDI-UT-2	UT	SS	160	0.719 / 6.000	PDI-UT-2-C 50211	C05.011.130, C05.011.130A
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.C5.11.0093	1NI8-7 Class 2 NI	CN-1NI-8 CN-ISIN3-1562-1.3	NDE-35	PT	SS	160	0.719 / 6.000		C05.011.130, C05.011.130A
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.C5.11.0094	1NI8-8 Class 2 NI	CN-1NI-8	NDE-35	PT	SS	160	0.719 / 6.000		C05.011.131, C05.011.131A
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.C5.11.0094	1NI8-8 Class 2 NI	CN-1NI-8 CN-ISIN3-1562-1.3	PDI-UT-2	UT	SS	160	0.719 / 6.000	PDI-UT-2-C 50211	C05.011.131, C05.011.131A
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.C5.11.0095	1NI8-9 Class 2 NI	CN-1NI-8 CN-ISIN3-1562-1.3	PDI-UT-2	UT	SS	160	0.719 / 6.000	PDI-UT-2-C 50211	C05.011.132, C05.011.132A
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.C5.11.0095	1NI8-9 Class 2 NI	CN-1NI-8	NDE-35	PT	SS	160	0.719 / 6.000		C05.011.132, C05.011.132A
Circumferential		CN-ISIN3-1562-1.3							
			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.C5.11.0096	1NI8-10 Class 2 NI	CN-1NI-8	NDE-35	PT	SS	160	0.719 / 6.000		C05.011.133, C05.011.133A
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.C5.11.0096	1NI8-10 Class 2 NI	CN-1NI-8 CN-ISIN3-1562-1.3	PDI-UT-2	UT	SS	160	0.719 / 6.000	PDI-UT-2-C 50211	C05.011.133, C05.011.133A
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.C5.11.0117	1NI212-3 Class 2 NI	CN-1NI-212	NDE-35	PT	SS	160	0.906 / 8.000		C05.011.154, C05.011.154A
Circumferential		CN-ISIN3-1562-1.3							
			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.C5.11.0117	1NI212-3 Class 2 NI	CN-1NI-212	NDE-600	UT	SS	160	0.906 / 8.000	Component	C05.011.154, C05.011.154A
Circumferential		CN-ISIN3-1562-1.3							
			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.C5.11.0118	1NI212-4 Class 2 NI	CN-1NI-212	NDE-35	PT	SS	160	0.906 / 8.000		C05.011.155, C05.011.155A
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.C5.11.0118	1NI212-4 Class 2 NI	CN-1NI-212	NDE-600	UT	SS	160	0.906 / 8.000	Component	C05.011.155, C05.011.155A
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.C5.11.0119	1NS1-1 Class 2 NS	CN-1NS-1	NDE-35	PT	SS	XS	0.500 / 10.000		C05.011.201, C05.011.201A
Circumferential Terminal End		CN-ISIN3-1563-1.0							
			Nozzle to Reducer Containment Spray Pump 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.						
C1.C5.11.0119	1NS1-1 Class 2 NS	CN-1NS-1 CN-ISIN3-1563-1.0	PDI-UT-2	UT	SS	XS	0.500 / 10.000	PDI-UT-2-C 8279-0423	C05.011.201, C05.011.201A
Circumferential Terminal End									
			Nozzle to Reducer Containment Spray Pump 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.						

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.C5.11.0120	1NS1-2									
	Class 2	NS	CN-1NS-1	NDE-35	PT	SS	XS	0.500 / 12.000		C05.011.202, C05.011.202A
Circumferential			CN-ISIN3-1563-1.0							
				Reducer to Flange						
				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.C5.11.0120	1NS1-2									
	Class 2	NS	CN-1NS-1 CN-ISIN3-1563-1.0	PDI-UT-2	UT	SS	XS	0.500 / 12.000	PDI-UT-2-C 8279-0424	C05.011.202, C05.011.202A
Circumferential										
				Reducer to Flange						
				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.C5.11.0121	1NS2-1									
	Class 2	NS	CN-1NS-2	NDE-35	PT	SS	STD	0.375 / 12.000		C05.011.203, C05.011.203A
Circumferential			CN-ISIN3-1563-1.0							
				Valve 1NS018A 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.C5.11.0121	1NS2-1									
	Class 2	NS	CN-1NS-2 CN-ISIN3-1563-1.0	PDI-UT-2	UT	SS	STD	0.375 / 12.000	50313 PDI-UT-2-C	C05.011.203, C05.011.203A
Circumferential										
				Valve 1NS018A 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.C5.11.0122	1NS2-1A Class 2 NS	CN-1NS-2	NDE-35	PT	SS	STD	0.375 / 12.000		C05.011.204, C05.011.204A
Circumferential		CN-ISIN3-1563-1.0							
			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.						
C1.C5.11.0122	1NS2-1A Class 2 NS	CN-1NS-2 CN-ISIN3-1563-1.0	PDI-UT-2	UT	SS	STD	0.375 / 12.000	PDI-UT-2-C 50313	C05.011.204, C05.011.204A
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.						
C1.C5.21.0004	1NI11-11 Class 2 NI	CN-1NI-11	NDE-35	PT	SS	160	0.531 / 4.000		C05.021.004, C05.021.004A
Circumferential		CN-ISIN3-1562-1.3							
			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.C5.21.0004	1NI11-11 Class 2 NI	CN-1NI-11 CN-ISIN3-1562-1.3	PDI-UT-2	UT	SS	160	0.531 / 4.000	PDI-UT-2-C 50275	C05.021.004, C05.021.004A
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.C5.21.0005	1NI12-1 Class 2 NI	CN-1NI-12	NDE-35	PT	SS	160	0.531 / 4.000		C05.021.005, C05.021.005A
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.C5.21.0005	1NI12-1 Class 2 NI	CN-1NI-12 CN-ISIN3-1562-1.3	PDI-UT-2	UT	SS	160	0.531 / 4.000	PDI-UT-2-C 50275	C05.021.005, C05.021.005A
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.C5.21.0006	1NI12-2 Class 2 NI	CN-1NI-12	NDE-35	PT	SS	160	0.531 / 4.000		C05.021.006, C05.021.006A
Circumferential		CN-ISIN3-1562-1.3							
			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.C5.21.0006	1NI12-2 Class 2 NI	CN-1NI-12 CN-ISIN3-1562-1.3	PDI-UT-2	UT	SS	160	0.531 / 4.000	PDI-UT-2-C 50275	C05.021.006, C05.021.006A
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.C5.21.0007	1NI12-3									
	Class 2	NI	CN-1NI-12	NDE-35	PT	SS	160	0.531 / 4.000		C05.021.007, C05.021.007A
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.C5.21.0007	1NI12-3									
	Class 2	NI	CN-1NI-12 CN-ISIN3-1562-1.3	PDI-UT-2	UT	SS	160	0.531 / 4.000	PDI-UT-2-C 50275	C05.021.007, C05.021.007A
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.C5.21.0008	1NI13-2									
	Class 2	NI	CN-1NI-13	NDE-35	PT	SS	160	0.531 / 4.000		C05.021.008, C05.021.008A
Circumferential			CN-ISIN3-1562-1.3							
				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.C5.21.0008	1NI13-2									
	Class 2	NI	CN-1NI-13 CN-ISIN3-1562-1.3	PDI-UT-2	UT	SS	160	0.531 / 4.000	PDI-UT-2-C 50275	C05.021.008, C05.021.008A
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.C5.21.0009	1NI13-3 Class 2 NI	CN-1NI-13	NDE-35	PT	SS	160	0.531 / 4.000		C05.021.009, C05.021.009A
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.C5.21.0009	1NI13-3 Class 2 NI	CN-1NI-13 CN-ISIN3-1562-1.3	PDI-UT-2	UT	SS	160	0.531 / 4.000	PDI-UT-2-C 50275	C05.021.009, C05.021.009A
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.C5.21.0014	1NI28-6 Class 2 NI	CN-1NI-28	NDE-35	PT	SS	160	0.438 / 3.000		C05.021.014, C05.021.014A
Circumferential		CN-ISIN3-1562-1.0							
			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.C5.21.0014	1NI28-6 Class 2 NI	CN-1NI-28 CN-ISIN3-1562-1.0	PDI-UT-2	UT	SS	160	0.438 / 3.000	PDI-UT-2-C 50225	C05.021.014, C05.021.014A
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.C5.21.0015	1NI28-7 Class 2 NI	CN-1NI-28 CN-ISIN3-1562-1.0	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	160	0.438 / 3.000		C05.021.015, C05.021.015A
Circumferential									
C1.C5.21.0015	1NI28-7 Class 2 NI	CN-1NI-28 CN-ISIN3-1562-1.0	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	160	0.438 / 3.000	PDI-UT-2-C 50225	C05.021.015, C05.021.015A
Circumferential									
C1.C5.21.0016	1NI28-8 Class 2 NI	CN-1NI-28 CN-ISIN3-1562-1.0	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	0.438 / 3.000		C05.021.016, C05.021.016A
Circumferential									
C1.C5.21.0016	1NI28-8 Class 2 NI	CN-1NI-28 CN-ISIN3-1562-1.0	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	0.438 / 3.000	PDI-UT-2-C 50225	C05.021.016, C05.021.016A
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.C5.21.0017	1NI28-9 Class 2 NI	CN-1NI-28	NDE-35	PT	SS	160	0.438 / 3.000		C05.021.017, C05.021.017A
Circumferential		CN-ISIN3-1562-1.0							
			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.C5.21.0017	1NI28-9 Class 2 NI	CN-1NI-28 CN-ISIN3-1562-1.0	PDI-UT-2	UT	SS	160	0.438 / 3.000	PDI-UT-2-C 50225	C05.021.017, C05.021.017A
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.C5.21.0028	1NV244-8 Class 2 NV	CN-1NV-244	NDE-35	PT	SS	40	0.237 / 4.000		C05.021.101, C05.021.101A
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.C5.21.0028	1NV244-8 Class 2 NV	CN-1NV-244 CN-ISIN3-1554-1.1	PDI-UT-2	UT	SS	40	0.237 / 4.000	PDI-UT-2A-C 8279-0416	C05.021.101, C05.021.101A
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.C5.21.0029	1NV140-7 Class 2 NV	CN-1NV-140	NDE-35	PT	SS	40	0.237 / 4.000		C05.021.102, C05.021.102A
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.C5.21.0029	1NV140-7 Class 2 NV	CN-1NV-140 CN-ISIN3-1554-1.1	PDI-UT-2	UT	SS	40	0.237 / 4.000	PDI-UT-2A-C 8279-0416	C05.021.102, C05.021.102A
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.C5.21.0030	1NV140-8 Class 2 NV	CN-1NV-140	NDE-35	PT	SS	40	0.237 / 4.000		C05.021.103, C05.021.103A
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.C5.21.0030	1NV140-8 Class 2 NV	CN-1NV-140 CN-ISIN3-1554-1.1	PDI-UT-2	UT	SS	40	0.237 / 4.000	PDI-UT-2A-C 8279-0416	C05.021.103, C05.021.103A
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.C5.21.0031	1NV140-10 Class 2 NV	CN-1NV-140	NDE-35	PT	SS	40	0.237 / 4.000		C05.021.104, C05.021.104A
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.C5.21.0031	1NV140-10 Class 2 NV	CN-1NV-140 CN-ISIN3-1554-1.1	PDI-UT-2	UT	SS	40	0.237 / 4.000	PDI-UT-2A-C 8279-0416	C05.021.104, C05.021.104A
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.C5.21.0032	1NV43-2 Class 2 NV	CN-1NV-43	NDE-35	PT	SS	160	0.438 / 3.000		C05.021.105, C05.021.105A
Circumferential		CN-ISIN3-1554-1.7							
			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.C5.21.0032	1NV43-2 Class 2 NV	CN-1NV-43 CN-ISIN3-1554-1.7	PDI-UT-2	UT	SS	160	0.438 / 3.000	PDI-UT-2-C 50225	C05.021.105, C05.021.105A
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.C5.21.0033	1NV43-3 Class 2 NV	CN-1NV-43	NDE-35	PT	SS	160	0.438 / 3.000		C05.021.106, C05.021.106A
Circumferential		CN-ISIN3-1554-1.7							
			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.C5.21.0033	1NV43-3 Class 2 NV	CN-1NV-43 CN-ISIN3-1554-1.7	PDI-UT-2	UT	SS	160	0.438 / 3.000	PDI-UT-2-C 50225	C05.021.106, C05.021.106A
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.C5.21.0046	1NV152-2 Class 2 NV	CN-1NV-152	NDE-35	PT	SS	40	0.237 / 4.000		C05.021.119, C05.021.119A
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.C5.21.0046	1NV152-2 Class 2 NV	CN-1NV-152 CN-ISIN3-1554-1.1	PDI-UT-2	UT	SS	40	0.237 / 4.000	PDI-UT-2A-C 8279-0416	C05.021.119, C05.021.119A
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.C5.21.0047	1NV152-3 Class 2 NV	CN-1NV-152	NDE-35	PT	SS	40	0.237 / 4.000		C05.021.120, C05.021.120A
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.C5.21.0047	1NV152-3 Class 2 NV	CN-1NV-152 CN-ISIN3-1554-1.1	PDI-UT-2	UT	SS	40	0.237 / 4.000	PDI-UT-2A-C 8279-0416	C05.021.120, C05.021.120A
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.C5.21.0048	1NV152-4 Class 2 NV	CN-1NV-152	NDE-35	PT	SS	40	0.237 / 4.000		C05.021.121, C05.021.121A
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.C5.21.0048	1NV152-4 Class 2 NV	CN-1NV-152 CN-ISIN3-1554-1.1	PDI-UT-2	UT	SS	40	0.237 / 4.000	PDI-UT-2A-C 8279-0416	C05.021.121, C05.021.121A
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.C5.21.0049	1NV152-5 Class 2 NV	CN-1NV-152 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		C05.021.122, C05.021.122A
Circumferential									
C1.C5.21.0049	1NV152-5 Class 2 NV	CN-1NV-152 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	PDI-UT-2A-C 8279-0416	C05.021.122, C05.021.122A
Circumferential									
C1.C5.21.0050	1NV244-5 Class 2 NV	CN-1NV-244 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		C05.021.123, C05.021.123A
Circumferential									
C1.C5.21.0050	1NV244-5 Class 2 NV	CN-1NV-244 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	PDI-UT-2A-C 8279-0416	C05.021.123, C05.021.123A
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.C5.21.0051	1NV244-6 Class 2 NV	CN-1NV-244	NDE-35	PT	SS	40	0.237 / 4.000		C05.021.124, C05.021.124A
Circumferential		CN-ISIN3-1554-1.1							
			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.C5.21.0051	1NV244-6 Class 2 NV	CN-1NV-244 CN-ISIN3-1554-1.1	PDI-UT-2	UT	SS	40	0.237 / 4.000	PDI-UT-2A-C 8279-0416	C05.021.124, C05.021.124A
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.C5.21.0061	1NV350-1 Class 2 NV	CN-1NV-350	NDE-35	PT	SS	40	0.237 / 4.000		C05.021.134, C05.021.134A
Circumferential		CN-ISIN3-1554-1.6							
			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.C5.21.0061	1NV350-1 Class 2 NV	CN-1NV-350 CN-ISIN3-1554-1.6	PDI-UT-2	UT	SS	40	0.237 / 4.000	PDI-UT-2A-C 8279-0416	C05.021.134, C05.021.134A
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.C5.21.0062	1NV350-13 Class 2 NV	CN-1NV-350	NDE-35	PT	SS	40	0.237 / 4.000		C05.021.135, C05.021.135A
Circumferential		CN-ISIN3-1554-1.6							
			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.C5.21.0062	1NV350-13 Class 2 NV	CN-1NV-350 CN-ISIN3-1554-1.6	PDI-UT-2	UT	SS	40	0.237 / 4.000	PDI-UT-2A-C 8279-0416	C05.021.135, C05.021.135A
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.C5.21.0063	1NV350-14 Class 2 NV	CN-1NV-350	NDE-35	PT	SS	40	0.237 / 4.000		C05.021.136, C05.021.136A
Circumferential Terminal End		CN-ISIN3-1554-1.6							
			Nozzle to Elbow Seal Water Heat Exchanger. 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.C5.21.0063	1NV350-14 Class 2 NV	CN-1NV-350 CN-ISIN3-1554-1.6	PDI-UT-2	UT	SS	40	0.237 / 4.000	PDI-UT-2A-C 8279-0416	C05.021.136, C05.021.136A
Circumferential Terminal End									
			Nozzle to Elbow Seal Water Heat Exchanger. 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.C5.21.0064	1NV359-16 Class 2 NV	CN-1NV-359	NDE-35	PT	SS	40	0.237 / 4.000		C05.021.137, C05.021.137A
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.C5.21.0064	1NV359-16 Class 2 NV	CN-1NV-359 CN-ISIN3-1554-1.1	PDI-UT-2	UT	SS	40	0.237 / 4.000	PDI-UT-2A-C 8279-0416	C05.021.137, C05.021.137A
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.C5.21.0065	1NV359-18 Class 2 NV	CN-1NV-359	NDE-35	PT	SS	40	0.237 / 4.000		C05.021.138, C05.021.138A
Circumferential Terminal End		CN-ISIN3-1554-1.1							
			Nozzle to Elbow Seal Water Heat Exchanger. 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.C5.21.0065	1NV359-18 Class 2 NV	CN-1NV-359 CN-ISIN3-1554-1.1	PDI-UT-2	UT	SS	40	0.237 / 4.000	PDI-UT-2A-C 8279-0416	C05.021.138, C05.021.138A
Circumferential Terminal End									
			Nozzle to Elbow Seal Water Heat Exchanger. 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.C5.21.0066	1NV360-6								
	Class 2 NV	CN-1NV-360	NDE-35	PT	SS	40	0.237 / 4.000		C05.021.139, C05.021.139A
Circumferential		CN-ISIN3-1554-1.1							
			Tee 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.C5.21.0066	1NV360-6								
	Class 2 NV	CN-1NV-360 CN-ISIN3-1554-1.1	PDI-UT-2	UT	SS	40	0.237 / 4.000	PDI-UT-2A-C 8279-0416	C05.021.139, C05.021.139A
Circumferential									
			Tee 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.C5.30.0001	1NI13-9								
	Class 2 NI	CN-1NI-13	NDE-35	PT	SS	160	0.344 / 2.000		C05.030.00
Socket		CN-ISIN3-1562-1.3							
			Pipe to Elbow						
C1.C5.30.0002	1NI13-10								
	Class 2 NI	CN-1NI-13	NDE-35	PT	SS	160	0.344 / 2.000		C05.030.00
Socket		CN-ISIN3-1562-1.3							
			Elbow to Pipe						
C1.C5.30.0008	1NI161-12								
	Class 2 NI	CN-1NI-161	NDE-35	PT	SS	160	0.344 / 2.000		C05.030.00
Socket		CN-ISIN3-1562-1.3							
			Full Coupling 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 C-F-1									
C1.C5.30.0009	1NI161-14								
	Class 2 NI	CN-1NI-161	NDE-35	PT	SS	160	0.344 / 2.000		C05.030.00
Socket		CN-ISIN3-1562-1.3							
			Full Coupling to Pipe						
C1.C5.30.0010	1NI161-15								
	Class 2 NI	CN-1NI-161	NDE-35	PT	SS	160	0.344 / 2.000		C05.030.01(
Socket		CN-ISIN3-1562-1.3							
			Pipe to Full Coupling						
C1.C5.30.0034	1NV155-3								
	Class 2 NV	CN-1NV-155	NDE-35	PT	SS	160	0.344 / 2.000		C05.030.12(
Socket		CN-ISIN3-1554-1.5							
			Valve 1NV55A to Pipe						
C1.C5.30.0035	1NV155-4								
	Class 2 NV	CN-1NV-155	NDE-35	PT	SS	160	0.344 / 2.000		C05.030.12
Socket		CN-ISIN3-1554-1.5							
			Pipe to Valve 1NV55A						
C1.C5.30.0036	1NV155-22								
	Class 2 NV	CN-1NV-155	NDE-35	PT	SS	160	0.344 / 2.000		C05.030.12
Socket		CN-ISIN3-1554-1.5							
			Elbow to Pipe						
C1.C5.30.0037	1NV155-23								
	Class 2 NV	CN-1NV-155	NDE-35	PT	SS	160	0.344 / 2.000		C05.030.12
Socket		CN-ISIN3-1554-1.5							
			Pipe to Elbow						
C1.C5.30.0038	1NV189-2								
	Class 2 NV	CN-1NV-189	NDE-35	PT	SS	160	0.344 / 2.000		C05.030.12
Socket		CN-ISIN3-1554-1.5							
			Pipe to Full Coupling						

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.C5.30.0039	1NV189-3								
	Class 2 NV	CN-1NV-189	NDE-35	PT	SS	160	0.344 / 2.000		C05.030.12
Socket		CN-ISIN3-1554-1.5							
			Full Coupling to Pipe						
C1.C5.30.0040	1NV189-8								
	Class 2 NV	CN-1NV-189	NDE-35	PT	SS	160	0.344 / 2.000		C05.030.12
Socket		CN-ISIN3-1554-1.5							
			Pipe to Full Coupling						
C1.C5.30.0041	1NV189-9								
	Class 2 NV	CN-1NV-189	NDE-35	PT	SS	160	0.344 / 2.000		C05.030.12
Socket		CN-ISIN3-1554-1.5							
			Full Coupling to Pipe						
C1.C5.30.0042	1NV193-4								
	Class 2 NV	CN-1NV-193	NDE-35	PT	SS	160	0.344 / 2.000		C05.030.12
Socket		CN-ISIN3-1554-1.5							
			Elbow to Pipe						
C1.C5.30.0043	1NV193-5								
	Class 2 NV	CN-1NV-193	NDE-35	PT	SS	160	0.344 / 2.000		C05.030.12
Socket		CN-ISIN3-1554-1.5							
			Pipe to Elbow						
C1.C5.30.0044	1NV193-8								
	Class 2 NV	CN-1NV-193	NDE-35	PT	SS	160	0.344 / 2.000		C05.030.13
Socket		CN-ISIN3-1554-1.5							
			Elbow to Pipe						
C1.C5.30.0045	1NV193-9								
	Class 2 NV	CN-1NV-193	NDE-35	PT	SS	160	0.344 / 2.000		C05.030.13
Socket		CN-ISIN3-1554-1.5							
			Pipe 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.C5.41.0003	1NV41-14								
	Class 2 NV	CN-1NV-41	NDE-35	PT	SS	160	0.344 / 2.000		C05.041.02
Branch		CN-ISIN3-1554-1.7							
			Half Coupling to Pipe						
Category C-F-2									
C1.C5.51.0037	1SM24-36								
	Class 2 SM	CN-1SM-24	NDE-25	MT	CS		1.375 / 32.000		C05.051.101, C05.051.101A
Circumferential		CN-ISIN3-1593-1.0							
			Nozzle to Elbow						
			Steam Generator 1C 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.C5.51.0037	1SM24-36								
	Class 2 SM	CN-1SM-24	PDI-UT-1	UT	CS		1.375 / 32.000		C05.051.101, C05.051.101A
		CN-ISIN3-1593-1.0						PDI-UT-1-C	
Circumferential									
			Nozzle to Elbow						
			Steam Generator 1C 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.C5.51.0043	1SM34-38								
	Class 2 SM	CN-1SM-34	NDE-25	MT	CS		1.375 / 32.000		C05.051.107, C05.051.107A
Circumferential		CN-ISIN3-1593-1.0							
			Nozzle to Elbow						
			Steam Generator 1A 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.						

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.C5.51.0043	1SM34-38								
	Class 2 SM	CN-1SM-34	PDI-UT-1	UT	CS		1.375 / 32.000		C05.051.107,
		CN-ISIN3-1593-1.0						PDI-UT-1-C	C05.051.107A
Circumferential									
			Nozzle to Elbow						
			Steam Generator 1A 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.C5.51.0050	1SGC-W138								
	Class 2 SM	CNM 1201.01-546	NDE-25	MT	CS		1.750 / NA		C05.051.114,
									C05.051.114A
Circumferential		CNM 1201.01-617							
Terminal End		CN-ISIN3-1593-1.0							
			Nozzle to Transition Ring						
			Steam Generator 1C Main Steam Nozzle to Transition Ring. 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.C5.51.0050	1SGC-W138								
	Class 2 SM	CNM 1201.01-546	PDI-UT-1	UT	CS		1.750 / NA		C05.051.114,
		CNM 1201.01-617						PDI-UT-1-C	C05.051.114A
Circumferential									
Terminal End		CN-ISIN3-1593-1.0							
			Nozzle to Transition Ring						
			Steam Generator 1C Main Steam Nozzle to Transition Ring. 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.C5.51.0051	1SM39-2								
	Class 2 SM	CN-1SM-39	NDE-25	MT	CS		1.375 / 34.000		C05.051.115,
									C05.051.115A
Circumferential		CN-ISIN3-1593-1.0							
			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.C5.51.0051	1SM39-2								
	Class 2 SM	CN-1SM-39	NDE-600	UT	CS		1.375 / 34.000	Component	C05.051.115, C05.051.115A
Circumferential		CN-ISIN3-1593-1.0							
			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.C5.51.0052	1SM39-3								
	Class 2 SM	CN-1SM-39	NDE-25	MT	CS		1.375 / 34.000		C05.051.116, C05.051.116A
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.C5.51.0052	1SM39-3								
	Class 2 SM	CN-1SM-39	NDE-600	UT	CS		1.375 / 34.000	Component	C05.051.116, C05.051.116A
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.C5.51.0310	1SV36-6								
	Class 2 SV	CN-1SV-36	NDE-25	MT	CS	XS	0.432 / 6.000		C05.051
Circumferential		CN-ISIN3-1593-1.0							
			Elbow to Pipe						
C1.C5.51.0310	1SV36-6								
	Class 2 SV	CN-1SV-36	PDI-UT-1	UT	CS	XS	0.432 / 6.000		C05.051
		CN-ISIN3-1593-1.0						PDI-UT-1A-C PDI-UT-1-C	
Circumferential									
			Elbow 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 C-F-2									
C1.C5.61.0003	1CA105-9 Class 2 CA	CN-1CA-105	NDE-25	MT	CS	80	0.337 / 4.000		C05.061.003, C05.061.003A
Circumferential		CN-ISIN3-1592-1.1							
			Reducer to Tee 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.C5.61.0003	1CA105-9 Class 2 CA	CN-1CA-105 CN-ISIN3-1592-1.1	PDI-UT-1	UT	CS	80	0.337 / 4.000	PDI-UT-1-C PDI-UT-1A-C	C05.061.003, C05.061.003A
Circumferential									
			Reducer to Tee 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.C5.61.0011	1CA73-16 Class 2 CA	CN-1CA-73	NDE-25	MT	CS	160	0.531 / 4.000		C05.061.011, C05.061.011A
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.C5.61.0011	1CA73-16 Class 2 CA	CN-1CA-73 CN-ISIN3-1592-1.1	PDI-UT-1	UT	CS	160	0.531 / 4.000	PDI-UT-1-C PDI-UT-1A-C	C05.061.011, C05.061.011A
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.C5.61.0013	1CA88-4 Class 2 CA	CN-1CA-88 CN-ISIN3-1592-1.1	NDE-25	MT	CS	160	0.531 / 4.000		C05.061.013, C05.061.013A
Circumferential			Pipe to Valve 1CA50A 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.C5.61.0013	1CA88-4 Class 2 CA	CN-1CA-88 CN-ISIN3-1592-1.1	PDI-UT-1	UT	CS	160	0.531 / 4.000	PDI-UT-1-C PDI-UT-1A-C	C05.061.013, C05.061.013A
Circumferential			Pipe to Valve 1CA50A 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.C5.70.0003	1CA105-1 Class 2 CA	CN-1CA-105 CN-ISIN3-1592-1.1	NDE-35	PT	CS	80	0.218 / 2.000		C05.070.00
Circumferential			Valve 1CA0187 to Pipe						
C1.C5.70.0004	1CA105-47 Class 2 CA	CN-1CA-105 CN-ISIN3-1592-1.1	NDE-35	PT	SS-CS	80	0.218 / 2.000		C05.070.00
Circumferential			Valve 1CA0225 to Pipe						
C1.C5.70.0005	1CA105-49 Class 2 CA	CN-1CA-105 CN-ISIN3-1592-1.1	NDE-35	PT	CS	80	0.218 / 2.000		C05.070.00
Circumferential			Tee 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 C-F-2									
C1.C5.70.0017	1CA95-18								
	Class 2 CA	CN-1CA-95	NDE-35	PT	CS	80	0.218 / 2.000		C05.070.01
Circumferential		CN-ISIN3-1592-1.1							
			Tee to Reducing Insert						
Category C-G									
C1.C6.20.0007	1NI-162A								
	Class 2 NI	CN-ISIN3-1562-1.3	NDE-35	PT	SS		0.867 / NA		C06.020.00
Circumferential		CNM 1205.00-0088							
			Valve Body to Bonnet Valve Body Weld.						
C1.C6.20.0010	1NI-342								
	Class 2 NI	CN-ISIN3-1562-1.2	NDE-35	PT	SS		0.477 / NA		C06.020.01
Circumferential		CNM 1205.00-152							
			Valve Body to Bonnet Valve Body Weld.						
C1.C6.20.0011	1NI-136B								
	Class 2 NI	CN-ISIN3-1562-1.2	NDE-35	PT	SS		0.572 / NA		C06.020.01
Circumferential		CNM 1205.00-0207							
			Valve Body to Bonnet Valve Body Weld.						
Category D-A									
C1.D1.20.0002	1-R-CA-0287								
	Class 3 CA	CN-1492-CA015	NDE-65	VT-1	NA		0.500 / 6.000		D01.020.00
Mech Snubber		CN-ISIN3-1592-1.0							
			Examine with C1.F1.32.0001.						
C1.D1.20.0007	1-R-KD-0005								
	Class 3 KD	CN-1493-KD008	NDE-65	VT-1	NA		0.750 / 8.000		D01.020.03
Spring Hgr		CN-ISIN3-1609-1.0							
			Examine with F01.032.102.						

Summary Num	Component ID Class / System	ISO/DWG Numbers	Procedure Description Comments	Insp Req	Material	Sched	Thick/NPS	Cal Blocks	Componenet ID 2
Category D-A									
C1.D1.20.0009	1-R-RN-0751								
	Class 3 RN	CN-1492-RN332	NDE-65	VT-1	NA		1.750 / 42.000		D01.020.05
Mech Snubber		CN-ISIN3-1574-1.1							
			Examine with C1.F1.32.0023.						
C1.D1.20.0011	1-R-RN-0669								
	Class 3 RN	CN-1492-RN077	NDE-65	VT-1	NA		0.750 / 42.000		D01.020.05
Rigid Support		CN-ISIN3-1574-1.1							
			Examine with C1.F1.30.0069.						
Category ELC									
C1.H2.1.0007	1ND64-2								
	Class B ND	CN-1ND-0064	NDE-998	UT	SS	20	0.250/ 8.000	Component	---
			Pipe to Tee						
			ND System Thermal Fatigue Management Program. Examine every 6 years (Reference PIP#C-04-3193)						
C1.H2.1.0008	1ND64-3								
	Class B ND	CN-1ND-0064	NDE-998	UT	SS	20	0.250/ 8.000	Component	---
			Pipe to Tee						
			ND System Thermal Fatigue Management Program. Examine every 6 years (Reference PIP#C-04-3193)						
C1.H2.1.0009	1ND64-4								
	Class B ND	CN-1ND-0064	NDE-998	UT	SS	20	0.250/ 8.000	Component	---
			Pipe to Tee						
			ND System Thermal Fatigue Management Program. Examine every 6 years (Reference PIP#C-04-3193)						
C1.H2.1.0010	1ND1-16								
	Class B ND	CN-1ND-0001 CN-1561-01.00	NDE-998	UT	SS	40	0.438/ 14.000	Component	---
			Elbow to Pipe						
			ND System Thermal Fatigue Management Program. Examination frequency is every six years or less beginning 1EOC19 as stated in QA-513J, Tracking Number ER-CNS-10-05, originated by Bill Callaway. (Reference PIP # C-04-3193, CA#13)						

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.H2.1.0011	1ND1-17 Class B ND	CN-1ND-0001 CN-1561-01.00	NDE-998	UT	SS	40	0.438/ 14.000	Component	---
			Pipe to Elbow ND System Thermal Fatigue Management Program. Examination frequency is every six years or less beginning 1EOC19 as stated in QA-513J, Tracking Number ER-CNS-10-05, originated by Bill Callaway. (Reference PIP # C-04-3193, CA#13)						
C1.H2.1.0012	1ND14-3 Class B ND	CN-1ND-0014 CN-1561-01.00	NDE-998	UT	SS	40	0.438/ 14.000	Component	---
			Tee to Reducer ND System Thermal Fatigue Management Program. Examination frequency is every six years or less beginning 1EOC19 as stated in QA-513J, Tracking Number ER-CNS-10-05, originated by Bill Callaway. (Reference PIP # C-04-3193, CA#13)						
C1.H2.1.0013	1ND14-5 Class B ND	CN-1ND-0014 CN-1561-01.00	NDE-998	UT	SS	40	0.438/ 14.000	Component	---
			Tee to Pipe ND System Thermal Fatigue Management Program. Examination frequency is every six years or less beginning 1EOC19 as stated in QA-513J, Tracking Number ER-CNS-10-05, originated by Bill Callaway. (Reference PIP # C-04-3193, CA#13)						
Category F-A									
C1.F1.20.0012 Rigid Support	1-R-CA-1521 Class 2 CA	CN-1491-CA022 CN-ISIN3-1592-1.1	NDE-66	VT-3	NA		0.000 / 4.000		F01.020.01
C1.F1.20.0015 Rigid Support	1-R-FW-0021 Class 2 FW	CN-1492-FW002 CN-ISIN3-1571-1.0	NDE-66	VT-3	NA		0.000 / 12.000		F01.020.02
C1.F1.20.0027 Rigid Support	1-R-ND-0111 Class 2 ND	CN-1492-ND018 CN-ISIN3-1561-1.1	NDE-66	VT-3	NA		0.000 / 8.000		F01.020.03

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.F1.20.0028	1-R-ND-0112								
	Class 2 ND	CN-1492-ND018	NDE-66	VT-3	NA		0.000 / 8.000		F01.020.03
Rigid Support		CN-ISIN3-1561-1.1							
C1.F1.20.0029	1-R-ND-0113								
	Class 2 ND	CN-1492-ND018	NDE-66	VT-3	NA		0.000 / 8.000		F01.020.03
Rigid Support		CN-ISIN3-1561-1.1							
C1.F1.20.0030	1-R-ND-0282								
	Class 2 ND	CN-1492-ND021	NDE-66	VT-3	NA		0.000 / 12.000		F01.020.04
Rigid Support		CN-ISIN3-1561-1.0							
C1.F1.20.0031	1-R-ND-0284								
	Class 2 ND	CN-1492-ND021	NDE-66	VT-3	NA		0.000 / 12.000		F01.020.04
Rigid Support		CN-ISIN3-1561-1.0							
C1.F1.20.0032	1-R-ND-0285								
	Class 2 ND	CN-1492-ND021	NDE-66	VT-3	NA		0.000 / 12.000		F01.020.04
Rigid Support		CN-ISIN3-1561-1.0							
C1.F1.20.0033	1-R-ND-0289								
	Class 2 ND	CN-1492-ND022	NDE-66	VT-3	NA		0.000 / 12.000		F01.020.04
Rigid Support		CN-ISIN3-1561-1.0							
C1.F1.20.0042	1-R-NI-1122								
	Class 2 NI	CN-1491-NI001	NDE-66	VT-3	NA		0.000 / 4.000		F01.020.06
Rigid Support		CN-ISIN3-1562-1.2							
C1.F1.20.0045	1-R-NI-1198								
	Class 2 NI	CN-1491-NI052	NDE-66	VT-3	NA		0.000 / 6.000		F01.020.06
Rigid Support		CN-ISIN3-1562-1.3							

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.F1.20.0046 Rigid Support	1-R-NI-1199 Class 2 NI	CN-1491-NI052 CN-ISIN3-1562-1.3	NDE-66	VT-3	NA		0.000 / 6.000		F01.020.06
C1.F1.20.0059 Rigid Support	1-R-NI-1191 Class 2 NI	CN-1491-NI053 CN-ISIN3-1562-1.3	NDE-66	VT-3	NA		0.000 / 6.000		F01.020.07
C1.F1.20.0062 Rigid Support	1-R-NS-0075 Class 2 NS	CN-1492-NS009 CN-ISIN3-1563-1.0	NDE-66	VT-3	NA		0.000 / 8.000		F01.020.09
C1.F1.20.0063 Rigid Support	1-R-NS-0100 Class 2 NS	CN-1492-NS009 CN-ISIN3-1563-1.0	NDE-66	VT-3	NA		0.000 / 8.000		F01.020.09
C1.F1.20.0066 Rigid Support	1-R-NS-0051 Class 2 NS	CN-1492-NS004 CN-ISIN3-1563-1.0	NDE-66	VT-3	NA		0.000 / 10.000		F01.020.09
C1.F1.20.0067 Rigid Support	1-R-NS-0052 Class 2 NS	CN-1492-NS004 CN-ISIN3-1563-1.0	NDE-66	VT-3	NA		0.000 / 10.000		F01.020.09
C1.F1.20.0068 Rigid Support	1-R-NS-0054 Class 2 NS	CN-1492-NS004 CN-ISIN3-1563-1.0	NDE-66	VT-3	NA		0.000 / 10.000		F01.020.09
C1.F1.20.0069 Rigid Support	1-R-NS-0055 Class 2 NS	CN-1492-NS004 CN-ISIN3-1563-1.0	NDE-66	VT-3	NA		0.000 / 10.000		F01.020.10

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.F1.20.0070	1-R-NS-0056								
	Class 2 NS	CN-1492-NS004	NDE-66	VT-3	NA		0.000 / 10.000		F01.020.10
Rigid Support		CN-ISIN3-1563-1.0							
C1.F1.20.0110	1-R-NV-0178								
	Class 2 NV	CN-1492-NV041	NDE-66	VT-3	NA		0.000 / 2.000		F01.020.16
Rigid Support		CN-ISIN3-1554-1.7							
C1.F1.20.0121	1-R-SM-1008								
	Class 2 SM	CN-1491-SM003	NDE-66	VT-3	NA		1.000 / 34.000		F01.020.20
Rigid Support		CN-ISIN3-1593-1.0							
			Welded Lugs Supplied By ITT Grinell.						
C1.F1.20.0124	1-R-SM-1585								
	Class 2 SM	CN-1491-SM030	NDE-66	VT-3	NA		0.750 / 34.000		F01.020.20
Rigid Support		CN-ISIN3-1593-1.0							
C1.F1.20.0125	1-R-SV-1508								
	Class 2 SV	CN-1491-SV006	NDE-66	VT-3	NA		0.000 / 6.000		F01.020.22
Rigid Support		CN-ISIN3-1593-1.0							
C1.F1.20.0126	1-R-SV-1510								
	Class 2 SV	CN-1491-SV006	NDE-66	VT-3	NA		0.000 / 6.000		F01.020.22
Rigid Support		CN-ISIN3-1593-1.0							
C1.F1.21.0010	1-R-ND-0536								
	Class 2 ND	CN-1492-ND024	NDE-66	VT-3	NA		0.000 / 8.000		F01.021.03
Rigid Restraint		CN-ISIN3-1561-1.0							
C1.F1.21.0011	1-R-ND-0537								
	Class 2 ND	CN-1492-ND024	NDE-66	VT-3	NA		0.000 / 8.000		F01.021.03
Rigid Restraint		CN-ISIN3-1561-1.0							

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.F1.21.0012	1-R-ND-0566								
	Class 2 ND	CN-1492-ND024	NDE-66	VT-3	NA		0.000 / 8.000		F01.021.03
Rigid Restraint		CN-ISIN3-1561-1.0							
C1.F1.21.0013	1-R-ND-0348								
	Class 2 ND	CN-1492-ND025	NDE-66	VT-3	NA		0.000 / 8.000		F01.021.03
Rigid Restraint		CN-ISIN3-1561-1.0							
C1.F1.21.0022	1-R-NI-1235								
	Class 2 NI	CN-1491-NI051	NDE-66	VT-3	NA		0.000 / 6.000		F01.021.06
Rigid Restraint		CN-ISIN3-1562-1.3							
C1.F1.21.0023	1-R-NI-1189								
	Class 2 NI	CN-1491-NI053	NDE-66	VT-3	NA		0.000 / 6.000		F01.021.06
Rigid Restraint		CN-ISIN3-1562-1.3							
C1.F1.21.0024	1-R-NI-1190								
	Class 2 NI	CN-1491-NI053	NDE-66	VT-3	NA		0.000 / 6.000		F01.021.06
Rigid Restraint		CN-ISIN3-1562-1.3							
C1.F1.21.0025	1-R-NI-1196								
	Class 2 NI	CN-1491-NI053	NDE-66	VT-3	NA		0.000 / 6.000		F01.021.07
Rigid Restraint		CN-ISIN3-1562-1.3							
C1.F1.21.0034	1-R-NS-0019								
	Class 2 NS	CN-1492-NS002	NDE-66	VT-3	NA		0.000 / 10.000		F01.021.09
Rigid Restraint		CN-ISIN3-1563-1.0							
C1.F1.21.0035	1-R-NS-0023								
	Class 2 NS	CN-1492-NS002	NDE-66	VT-3	NA		0.000 / 10.000		F01.021.09
Rigid Restraint		CN-ISIN3-1563-1.0							

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.F1.21.0036 Rigid Restraint	1-R-NS-0079 Class 2 NS	CN-1492-NS002 CN-ISIN3-1563-1.0	NDE-66	VT-3	NA		0.000 / 10.000		F01.021.09
C1.F1.21.0050 Rigid Restraint	1-R-NS-1102 Class 2 NS	CN-1491-NS009 CN-ISIN3-1563-1.0	NDE-66	VT-3	NA		0.000 / 8.000		F01.021.10
C1.F1.21.0051 Rigid Restraint	1-R-NS-1103 Class 2 NS	CN-1491-NS009 CN-ISIN3-1563-1.0	NDE-66	VT-3	NA		0.000 / 8.000		F01.021.10
C1.F1.21.0052 Rigid Restraint	1-R-NS-1104 Class 2 NS	CN-1491-NS009 CN-ISIN3-1563-1.0	NDE-66	VT-3	NA		0.000 / 8.000		F01.021.10
C1.F1.21.0063 Rigid Restraint	1-R-NV-1202 Class 2 NV	CN-1491-NV009 CN-ISIN3-1554-1.5	NDE-66	VT-3	NA		0.000 / 2.000		F01.021.14
C1.F1.21.0064 Rigid Restraint	1-R-NV-1203 Class 2 NV	CN-1491-NV009 CN-ISIN3-1554-1.5	NDE-66	VT-3	NA		0.000 / 2.000		F01.021.14
C1.F1.21.0065 Rigid Restraint	1-R-NV-1204 Class 2 NV	CN-1491-NV009 CN-ISIN3-1554-1.5	NDE-66	VT-3	NA		0.000 / 2.000		F01.021.15
C1.F1.21.0066 Rigid Restraint	1-R-NV-1205 Class 2 NV	CN-1491-NV009 CN-ISIN3-1554-1.5	NDE-66	VT-3	NA		0.000 / 2.000		F01.021.15

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.F1.21.0067 Rigid Restraint	1-R-NV-1206 Class 2 NV	CN-1491-NV009 CN-ISIN3-1554-1.5	NDE-66	VT-3	NA		0.000 / 2.000		F01.021.15
C1.F1.21.0068 Rigid Restraint	1-R-NV-1207 Class 2 NV	CN-1491-NV009 CN-ISIN3-1554-1.5	NDE-66	VT-3	NA		0.000 / 2.000		F01.021.15
C1.F1.21.0069 Rigid Restraint	1-R-NV-1208 Class 2 NV	CN-1491-NV009 CN-ISIN3-1554-1.5	NDE-66	VT-3	NA		0.000 / 2.000		F01.021.15
C1.F1.21.0070 Rigid Restraint	1-R-NV-1209 Class 2 NV	CN-1491-NV009 CN-ISIN3-1554-1.5	NDE-66	VT-3	NA		0.000 / 2.000		F01.021.15
C1.F1.21.0083 Rigid Restraint	1-R-NV-0295 Class 2 NV	CN-1492-NV024 CN-ISIN3-1554-1.2	NDE-66	VT-3	NA		0.000 / 3.000		F01.021.16
C1.F1.21.0097 Rigid Restraint	1-R-NS-1168 Class 2 NS	CN-1491-NS022 CN-ISIN3-1563-1.0	NDE-66	VT-3			0.000 / 8.000		F01.021
C1.F1.22.0010 Mech Snubber	1-R-CF-1564 Class 2 CF	CN-1491-CF005 CN-ISIN3-1591-1.1	NDE-66	VT-3	NA		0.000 / 18.000		F01.022.01
C1.F1.22.0011 Spring Hgr	1-R-CF-1565 Class 2 CF	CN-1491-CF005 CN-ISIN3-1591-1.1	NDE-66	VT-3	NA		0.000 / 18.000		F01.022.01

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.F1.22.0017 Spring Hgr	1-R-ND-0295 Class 2 ND	CN-1492-ND020 CN-ISIN3-1561-1.0	NDE-66	VT-3	NA		0.000 / 8.000		F01.022.033
C1.F1.22.0018 Mech Snubber	1-R-ND-0108 Class 2 ND	CN-1492-ND018 CN-ISIN3-1561-1.1	NDE-66	VT-3	NA		0.000 / 8.000		F01.022.034
C1.F1.22.0019 Mech Snubber	1-R-ND-0181 Class 2 ND	CN-1492-ND018 CN-ISIN3-1561-1.1	NDE-66	VT-3	NA		0.000 / 8.000		F01.022.035
C1.F1.22.0020 Mech Snubber	1-R-ND-0182 Class 2 ND	CN-1492-ND018 CN-ISIN3-1561-1.1	NDE-66	VT-3	NA		0.000 / 8.000		F01.022.036
C1.F1.22.0032 Mech Snubber	1-R-NV-0004 Class 2 NV	CN-1492-NV017 CN-ISIN3-1554-1.7	NDE-66	VT-3	NA		0.337 / 8.000		F01.022.143
C1.F1.22.0040 Mech Snubber	1-R-SM-1565 Class 2 SM	CN-1491-SM001 CN-ISIN3-1593-1.0	NDE-66	VT-3	NA		0.000 / 34.000		F01.022.201
C1.F1.22.0041 Mech Snubber	1-R-SM-1568 Class 2 SM	CN-1491-SM001 CN-ISIN3-1593-1.0	NDE-66	VT-3	NA		0.000 / 34.000		F01.022.202
C1.F1.22.0042 Mech Snubber	1-R-SM-1536 Class 2 SM	CN-1491-SM003 CN-ISIN3-1593-1.0	NDE-66	VT-3	NA		0.000 / 34.000		F01.022.203

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.F1.22.0043 Spring Hgr	1-R-SM-1540 Class 2 SM	CN-1491-SM003 CN-ISIN3-1593-1.0	NDE-66	VT-3	NA		0.000 / 34.000		F01.022.20
C1.F1.30.0001 Rigid Support	1-R-CA-0323 Class 3 CA	CN-1492-CA051 CN-ISIN3-1592-1.2	NDE-66	VT-3	NA		0.000 / 6.000		F01.030.00
C1.F1.30.0002 Rigid Support	1-R-CA-0372 Class 3 CA	CN-1492-CA060 CN-ISIN3-1592-1.2	NDE-66	VT-3	NA		0.000 / 8.000		F01.030.00
C1.F1.30.0005 Rigid Support	1-R-CA-0319 Class 3 CA	CN-1492-CA051 CN-ISIN3-1592-1.2	NDE-66	VT-3	NA		0.000 / 8.000		F01.030.00
C1.F1.30.0006 Rigid Support	1-R-CA-0320 Class 3 CA	CN-1492-CA051 CN-ISIN3-1592-1.2	NDE-66	VT-3	NA		0.000 / 6.000		F01.030.00
C1.F1.30.0053 Rigid Support	1-R-KC-0185 Class 3 KC	CN-1492-KC035 CN-ISIN3-1573-1.0	NDE-66	VT-3	NA		0.000 / 16.000		F01.030.09
C1.F1.30.0059 Rigid Support	1-R-KD-0103 Class 3 KD	CN-1493-KD051 CN-ISIN3-1609-1.0	NDE-66	VT-3	NA		0.000 / 10.000		F01.030.10
C1.F1.30.0068 Rigid Support	1-R-RN-0103 Class 3 RN	CN-1492-RN077 CN-ISIN3-1574-1.1	NDE-66	VT-3	NA		0.750 / 42.000		F01.030.15

Welded Attachment Is Exempt Per PIP C-04-5257.

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.F1.30.0069	1-R-RN-0669								
	Class 3 RN	CN-1492-RN077	NDE-66	VT-3	NA		0.750 / 42.000		F01.030.153
Rigid Support		CN-ISIN3-1574-1.1							
			Examine with C1.D1.20.0011.						
C1.F1.30.0070	1-R-RN-0092								
	Class 3 RN	CN-1492-RN078	NDE-66	VT-3	NA		0.500 / 20.000		F01.030.154
Rigid Support		CN-ISIN3-1574-2.5							
			Welded Attachment Is Exempt Per PIP C-04-5257.						
C1.F1.30.0071	1-R-RN-0094								
	Class 3 RN	CN-1492-RN341	NDE-66	VT-3	NA		0.500 / 20.000		F01.030.155
Rigid Support		CN-ISIN3-1574-2.5							
			Welded Attachment Is Exempt Per PIP C-04-5257.						
C1.F1.30.0072	1-R-RN-0752								
	Class 3 RN	CN-1492-RN078	NDE-66	VT-3	NA		0.750 / 30.000		F01.030.156
Rigid Support		CN-ISIN3-1574-2.5							
			Welded Attachment Is Exempt Per PIP C-04-5257.						
C1.F1.30.0073	1-R-RN-0099								
	Class 3 RN	CN-1492-RN079	NDE-66	VT-3	NA		0.500 / 20.000		F01.030.157
Rigid Support		CN-ISIN3-1574-2.5							
			Welded Attachment Is Exempt Per PIP C-04-5257.						
C1.F1.30.0094	1-R-VN-0033								
	Class 3 VN	CN-1493-VN012	NDE-66	VT-3	NA		0.000 / 30.000		F01.030.223
Rigid Support		CN-ISIN3-1609-5.0							
C1.F1.30.0095	1-R-VN-0034								
	Class 3 VN	CN-1493-VN012	NDE-66	VT-3	NA		0.000 / 30.000		F01.030.224
Rigid Support		CN-ISIN3-1609-5.0							

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.F1.30.0098 Rigid Support	1-R-YC-0050 Class 3 YC	CN-1525-YC002 CN-ISIN3-1578-2.0	NDE-66	VT-3	NA		0.000 / 6.000		F01.030.25
C1.F1.30.0099 Rigid Support	1-R-YC-0035 Class 3 YC	CN-1525-YC003 CN-ISIN3-1578-2.0	NDE-66	VT-3	NA		0.000 / 8.000		F01.030.25
C1.F1.30.0100 Rigid Support	1-R-YC-0002 Class 3 YC	CN-1525-YC012 CN-ISIN3-1578-2.0	NDE-66	VT-3	NA		0.000 / 8.000		F01.030.25
C1.F1.31.0002 Rigid Restraint	1-R-CA-0356 Class 3 CA	CN-1492-CA058 CN-ISIN3-1592-1.2	NDE-66	VT-3	NA		0.000 / 6.000		F01.031.00
C1.F1.31.0008 Rigid Restraint	1-R-KC-0196 Class 3 KC	CN-1492-KC051 CN-ISIN3-1573-1.1	NDE-66	VT-3	NA		0.000 / 16.000		F01.031.05
C1.F1.31.0016 Rigid Restraint	1-R-RN-0076 Class 3 RN	CN-1492-RN332 CN-ISIN3-1574-1.1	NDE-66 Welded Attachment Is Exempt Per PIP C-04-5257.	VT-3	NA		0.750 / 42.000		F01.031.15
C1.F1.31.0023 Rigid Restraint	1-R-YC-0041 Class 3 YC	CN-1525-YC003 CN-ISIN3-1578-2.0	NDE-66	VT-3	NA		0.000 / 6.000		F01.031.25
C1.F1.32.0001 Mech Snubber	1-R-CA-0287 Class 3 CA	CN-1492-CA015 CN-ISIN3-1592-1.0	NDE-66 Examine with C1.D1.20.0002.	VT-3	NA		0.500 / 6.000		F01.032.00

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.F1.32.0007 Mech Snubber	1-R-KC-0392 Class 3 KC	CN-1492-KC030 CN-ISIN3-1573-1.0 CN-ISIN3-1573-1.2	NDE-66	VT-3	NA		0.000 / 20.000		F01.032.052
C1.F1.32.0009 Mech Snubber	1-R-KC-0247 Class 3 KC	CN-1492-KC055 CN-ISIN3-1573-1.0 CN-ISIN3-1573-1.6	NDE-66	VT-3	NA		0.000 / 10.000		F01.032.054
C1.F1.32.0010 Spring Hgr	1-R-KC-0186 Class 3 KC	CN-1492-KC035 CN-ISIN3-1573-1.0	NDE-66	VT-3	NA		0.000 / 16.000		F01.032.055
C1.F1.32.0014 Spring Hgr	1-R-KD-0005 Class 3 KD	CN-1493-KD008 CN-ISIN3-1609-1.0	NDE-66 Examine with D01.020.032.	VT-3	NA		0.750 / 8.000		F01.032.102
C1.F1.32.0019 Spring Hgr	1-R-LD-0035 Class 3 LD	CN-1493-LD008 CN-ISIN3-1609-2.0	NDE-66	VT-3	NA		0.000 / 6.000		F01.032.122
C1.F1.32.0023 Mech Snubber	1-R-RN-0751 Class 3 RN	CN-1492-RN332 CN-ISIN3-1574-1.1	NDE-66 Examine with C1.D1.20.0009.	VT-3	NA		1.750 / 42.000		F01.032.153
C1.F1.32.0026 Spring Hgr	1-R-SA-0061 Class 3 SA	CN-1492-SA002 CN-ISIN3-1593-1.1	NDE-66	VT-3	NA		0.000 / 6.000		F01.032.192

Summary Num	Component ID / Class / System	ISO/DWG Numbers	Procedure	Insp Req	Material	Sched	Thick/NPS	Cal Blocks	Componenet ID 2
			Description / Comments						
Category F-A									
C1.F1.40.0002	1PZR-SKIRT								
	Class 1 NC	CNM 1201.01-66	NDE-66	VT-3	NA		0.000 / 0.000		F01.040.002
Rigid Support		CN-ISIN3-1553-1.0							
			Pressurizer Support Skirt.						
C1.F1.40.0003	1PZR-SUPPORT								
	Class 1 NC	CN-1070-14	NDE-66	VT-3	NA		0.000 / 0.000		F01.040.003
Rigid Support		CN-ISIN3-1553-1.0							
			Pressurizer Lower Support Frame.						
C1.F1.40.0006	1SGA-COLUMNS								
	Class 1 NC	CN-1070-9	NDE-66	VT-3	NA		0.000 / 0.000		F01.040.006
Rigid Support		CN-ISIN3-1553-1.0							
			Steam Generator 1A Support Columns (4 Assemblies).						
C1.F1.40.0015	1REGHX-SUPPORT								
	Class 2 NV	CNM 1201.06-31	NDE-66	VT-3	NA		0.000 / 0.000		F01.040.103
Rigid Support		CN-ISIN3-1554-1.0							
			Regenative Heat Exchanger Support (6 Brackets).						
C1.F1.40.0020	1SWIFB-SUPPORT								
	Class 2 NV	CNM 1201.04-74	NDE-66	VT-3	NA		0.250 / 0.000		F01.040.108
Rigid Support		CN-ISIN3-1554-1.2							
			Seal Water Injection Filter 1B Support (4 Legs).						
C1.F1.40.0021	1VCT-SUPPORT								
	Class 2 NV	CNM 1201.04-102	NDE-66	VT-3	NA		0.250 / 0.000		F01.040.109
Rigid Support		CN-ISIN3-1554-1.1							
			Volume Control Tank Support (4 Legs).						
C1.F1.40.0022	1ELDHX-SUPPORT								
	Class 2 NV	CNM 1201.06-37	NDE-66	VT-3	NA		0.375 / 0.000		F01.040.110
Rigid Support		CN-ISIN3-1554-1.0							
			Excess Letdown Heat Exchanger Support.						

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.F1.40.0029	1KCPA2-SUPPORT								
	Class 3 KC	CNM 1201.05-121	NDE-66	VT-3	NA		0.000 / 0.000		F01.040.202
Rigid Support		CN-ISIN3-1573-1.0							
			Component Cooling Pump 1A2 Support (4 Saddle Supports).						
C1.F1.40.0034	1DGEIAFA1-SUPPORT								
	Class 3 VN	CNM 1301.00-130	NDE-66	VT-3	NA		0.250 / 0.000		F01.040.207
Rigid Support		CN-ISIN3-1609-5.0							
			Diesel Generator Engine Intake Air Filter 1A1 Support (4 Support Pads). Reference Support Sketch 1-R-VN-0087.						

End of Report

STATISTICS ONLY Class 1 144 Class 2 254 Class 3 35 Total by Class 433 Systems 440 Total Count 440

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

No reportable conditions were detected during Outage 4/EOC19.

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 were no recordable conditions that required corrective action during this report period.

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.

Summary Number	Description of Limitation
C1.B1.40.0001	Reference PIP Serial Number C-11-06483
C1.B3.110.0001	Reference PIP Serial Number C-11-06483
C1.B3.110.0004	Reference PIP Serial Number C-11-06483
C1.B3.110.0005	Reference PIP Serial Number C-11-06483
C1.B3.110.0006	Reference PIP Serial Number C-11-06483
C1.B9.11.0024	Reference PIP Serial Number C-11-06483

Limited Examinations (Continued)

Summary Number	Description of Limitation
C1.B9.11.0068	Reference PIP Serial Number C-11-06483
C1.B9.11.0408	Reference PIP Serial Number C-11-06483
C1.C5.11.0017	Reference PIP Serial Number C-11-06483
C1.C5.11.0121	Reference PIP Serial Number C-11-06483

The following piping welds received a PSI Examination during 1EOC19 and had limited coverage (i.e. 90% or less of the required examination coverage obtained):

Weld Number	Description of Limitation
1NV196-14	Reference PIP Serial Number C-11-06483
1NV196-15	Reference PIP Serial Number C-11-06483
1NV308-10	Reference PIP Serial Number C-11-06483
1NV308-11	Reference PIP Serial Number C-11-06483

Catawba 1, 3rd Interval, Outage 4 (EOC-19)

Summary No	Component ID	System	Insp Date	Insp Status	Insp Limited	Geo Ref	RFR	Comment
C1.B1.21.0002	1RPV-W09	NC	05/19/11	CLR	Y	N	N	UT-11-531
								Percent of coverage obtained greater than 90%.
C1.B1.40.0001	1RPV-W08	NC	05/19/11	CLR	Y	N	Y	UT-11-532
		NC	05/19/11	CLR	Y	N	Y	UT-11-533 (Page 1)
		NC	05/19/11	CLR	Y	N	Y	UT-11-533 (Page 2)
		NC	05/19/11	CLR	Y	N	Y	UT-11-533 (Page 3)
		NC	05/19/11	CLR	Y	N	Y	UT-11-533 (Page 4)
								Percent of coverage obtained less than or equal to 90%. Reference PIP Serial No. C-11-06483.
C1.B10.10.0001	1PZR-SKIRT	NC	04/30/11	CLR	N	N	N	MT-11-097
C1.B12.20.0001	1RCP-1A	NC	05/06/11	CLR	N	N	N	VT-11-682
C1.B13.10.0001	1RPV-INTERIOR	NC	05/01/11	CLR	N	N	N	VT-11-569
C1.B15.80.0001	1RPV-BMI-NOZZLE	NC	04/25/11	CLR	N	N	N	VT-11-568
C1.B2.11.0002	1PZR-W8E	NC	04/30/11	CLR	Y	N	N	UT-11-420
		NC	04/30/11	CLR	Y	N	N	UT-11-421 (Page 1)

Summary No	Component ID	System	Insp Date	Insp Status	Insp Limited	[illegible] Ref	RFR	Comment
C1.B2.11.0002	1PZR-W8E	NC	04/30/11	CLR	Y	N	N	UT-11-421 (Page 2)
		NC	04/30/11	CLR	Y	N	N	UT-11-421 (Page 3)
		NC	04/30/11	CLR	Y	N	N	UT-11-421 (Page 4)
								Percent of coverage obtained greater than 90%.
C1.B2.12.0002	1PZR-W9D	NC	04/30/11	CLR	N	N	N	UT-11-425
		NC	04/30/11	CLR	N	N	N	UT-11-454 (Page 1)
		NC	04/30/11	CLR	N	N	N	UT-11-454 (Page 2)
		NC	04/30/11	CLR	N	N	N	UT-11-454 (Page 3)
		NC	04/30/11	CLR	N	N	N	UT-11-454 (Page 4)
C1.B3.110.0001	1PZR-W1	NC	04/28/11	CLR	Y	N	Y	UT-11-423
		NC	04/28/11	CLR	Y	N	Y	UT-11-429 (Page 1)
		NC	04/28/11	CLR	Y	N	Y	UT-11-429 (Page 2)
		NC	04/28/11	CLR	Y	N	Y	UT-11-429 (Page 3)
		NC	04/28/11	CLR	Y	N	Y	UT-11-429 (Page 4)
								Percent of coverage obtained less than or equal to 90%. Reference PIP Serial No. C-11-06483.
C1.B3.110.0004	1PZR-W4A	NC	04/29/11	CLR	Y	N	Y	UT-11-433
		NC	04/29/11	CLR	Y	N	Y	UT-11-435 (Page 1)

Summary No	Component ID	System	Insp Date	Insp Status	Insp Limited	Geo Ref	RFR	Comment
C1.B3.110.0004	1PZR-W4A	NC	04/29/11	CLR	Y	N	Y	UT-11-435 (Page 2)
		NC	04/29/11	CLR	Y	N	Y	UT-11-435 (Page 3)
		NC	04/29/11	CLR	Y	N	Y	UT-11-435 (Page 4)
								Percent of coverage obtained less than or equal to 90%. Reference PIP Serial No. C-11-06483.
C1.B3.110.0005	1PZR-W4B	NC	04/29/11	CLR	Y	N	Y	UT-11-436
		NC	04/29/11	CLR	Y	N	Y	UT-11-437 (Page 1)
		NC	04/29/11	CLR	Y	N	Y	UT-11-437 (Page 2)
		NC	04/29/11	CLR	Y	N	Y	UT-11-437 (Page 3)
		NC	04/29/11	CLR	Y	N	Y	UT-11-437 (Page 4)
								Percent of coverage obtained less than or equal to 90%. Reference PIP Serial No. C-11-06483.
C1.B3.110.0006	1PZR-W4C	NC	04/29/11	CLR	Y	N	Y	UT-11-438
		NC	04/29/11	CLR	Y	N	Y	UT-11-439 (Page 1)
		NC	04/29/11	CLR	Y	N	Y	UT-11-439 (Page 2)
		NC	04/29/11	CLR	Y	N	Y	UT-11-439 (Page 3)
		NC	04/29/11	CLR	Y	N	Y	UT-11-439 (Page 4)
								Percent of coverage obtained less than or equal to 90%. Reference PIP Serial No. C-11-06483.
C1.B3.120.0001	1PZR-W1	NC	04/28/11	CLR	N	N	N	UT-11-424

Summary No	Component ID	System	Insp Date	Insp Status	Insp Limited	Geo Ref	RFR	Comment
C1.B3.120.0004	1PZR-W4A	NC	04/29/11	CLR	N	N	N	UT-11-434
C1.B3.120.0005	1PZR-W4B	NC	04/29/11	CLR	N	N	N	UT-11-443
C1.B3.120.0006	1PZR-W4C	NC	04/29/11	CLR	N	N	N	UT-11-444
C1.B3.140.0001	1SGA-INTLET	NC	05/01/11	CLR	N	N	N	UT-11-402 (Page 1)
		NC	05/01/11	CLR	N	N	N	UT-11-402 (Page 2)
		NC	05/01/11	CLR	N	N	N	UT-11-402 (Page 3)
C1.B3.140.0002	1SGA-OUTLET	NC	05/01/11	CLR	N	N	N	UT-11-403 (Page 1)
		NC	05/01/11	CLR	N	N	N	UT-11-403 (Page 2)
		NC	05/01/11	CLR	N	N	N	UT-11-403 (Page 3)
C1.B3.140.0005	1SGC-INLET	NC	04/30/11	CLR	N	N	N	UT-11-404 (Page 1)
		NC	04/30/11	CLR	N	N	N	UT-11-404 (Page 2)
		NC	04/30/11	CLR	N	N	N	UT-11-404 (Page 3)
C1.B3.140.0006	1SGC-OUTLET	NC	04/30/11	CLR	N	N	N	UT-11-405 (Page 1)
		NC	04/30/11	CLR	N	N	N	UT-11-405 (Page 2)
		NC	04/30/11	CLR	N	N	N	UT-11-405 (Page 3)

Summary No	Component ID	System	Insp Date	Insp Status	Insp Limited	Exp Ref	RFR	Comment
C1.B4.10.0002	1RPV-HEAD-SURFACE-MULTIPLE	NC	05/18/11	REC	N	N	N	VT-11-684 Reference PIP Serial No. C-11-04309. Condition found acceptable based on Evaluation Report No. EV-11-091 by Bill Callaway on 05/26/2011.
C1.B5.70.0001	1SGA-INLET-W5SE	NC	04/30/11	CLR	N	N	N	PT-11-245
		NC	05/04/11	CLR	Y	N	N	UT-11-445 (Page 1)
		NC	05/04/11	CLR	Y	N	N	UT-11-445 (Page 2)
		NC	05/04/11	CLR	Y	N	N	UT-11-445 (Page 3)
		NC	05/04/11	CLR	Y	N	N	UT-11-445 (Page 4) Percent of coverage obtained greater than 90%.
C1.B5.70.0002	1SGA-OUTLET-W6SE	NC	04/30/11	CLR	N	N	N	PT-11-246
		NC	05/04/11	CLR	Y	N	N	UT-11-446 (Page 1)
		NC	05/04/11	CLR	Y	N	N	UT-11-446 (Page 2)
		NC	05/04/11	CLR	Y	N	N	UT-11-446 (Page 3)
		NC	05/04/11	CLR	Y	N	N	UT-11-446 (Page 4) Percent of coverage obtained greater than 90%.
C1.B6.110.0003	1SGB-MW-Y1-X2	NC	05/13/11	REC	N	N	N	VT-11-666 Condition found acceptable based on Evaluation Report EV-11-084 by Charles Cauthen on 05/14/2011.
C1.B6.110.0004	1SGB-MW-X2-Y2	NC	05/13/11	CLR	N	N	N	VT-11-667

Summary No	Component ID	System	Insp Date	Insp Status	Insp Limited	Exp Ref	RFR	Comment
C1.B6.110.0005	1SGC-MW-X1-Y1	NC	05/13/11	REC	N	N	N	VT-11-668 Condition found acceptable based on Evaluation Report EV-11-085 by Charles Cauthen on 05/14/2011.
C1.B6.110.0006	1SGC-MW-X1-Y2	NC	05/13/11	REC	N	N	N	VT-11-669 Condition found acceptable based on Evaluation Report EV-11-086 by Charles Cauthen on 05/14/2011.
C1.B6.190.0001	1RCP-1A-FLANGE	NC	05/06/11	REC	N	N	N	VT-11-681 Condition found acceptable based on Evaluation Report EV-11-090 by James McArdle on 05/24/2011. Reference PIP Serial No. C-11-03741.
C1.B6.90.0003	1SGB-MW-Y1-X2	NC	05/11/11	CLR	N	N	N	UT-11-503 (Page 1)
		NC	05/11/11	CLR	N	N	N	UT-11-503 (Page 2)
C1.B6.90.0004	1SGB-MW-X2-Y2	NC	05/11/11	CLR	N	N	N	UT-11-504 (Page 1)
		NC	05/11/11	CLR	N	N	N	UT-11-504 (Page 2)
C1.B6.90.0005	1SGC-MW-X1-Y1	NC	05/11/11	CLR	N	N	N	UT-11-505 (Page 1)
		NC	05/11/11	CLR	N	N	N	UT-11-505 (Page 2)
C1.B6.90.0006	1SGC-MW-X1-Y2	NC	05/11/11	CLR	N	N	N	UT-11-506 (Page 1)
		NC	05/11/11	CLR	N	N	N	UT-11-506 (Page 2)
C1.B7.60.0001	1RCP-1A-S	NC	05/11/11	CLR	N	N	N	VT-11-617
C1.B7.60.0002	1RCP-1A-H	NC	05/11/11	CLR	N	N	N	VT-11-618

Summary No	Component ID	System	Insp Date	Insp Status	Insp Limited	Exp Ref	RFR	Comment
C1.B7.70.0003	1NI-54A	NI	04/28/11	CLR	N	N	N	VT-11-680
C1.B9.11.0014	1NC26-2	NC	05/06/11	CLR	N	N	N	PT-11-379
		NC	05/07/11	CLR	N	N	N	UT-11-471 (Page 1)
		NC	05/07/11	CLR	N	N	N	UT-11-471 (Page 2)
C1.B9.11.0021	1NC28-2	NC	05/03/11	CLR	N	N	N	PT-11-265
		NC	05/03/11	CLR	N	N	N	UT-11-462 (Page 1)
		NC	05/03/11	CLR	N	N	N	UT-11-462 (Page 2)
C1.B9.11.0022	1NC28-3	NC	05/03/11	CLR	N	N	N	PT-11-266
		NC	05/03/11	CLR	N	N	N	UT-11-463 (Page 1)
		NC	05/03/11	CLR	N	N	N	UT-11-463 (Page 2)
C1.B9.11.0023	1NC28-5	NC	05/03/11	CLR	N	N	N	PT-11-267
		NC	05/03/11	CLR	N	N	N	UT-11-464 (Page 1)
		NC	05/03/11	CLR	N	N	N	UT-11-464 (Page 2)
C1.B9.11.0024	1NC28-8	NC	05/03/11	CLR	N	N	N	PT-11-268
		NC	05/03/11	CLR	Y	N	Y	UT-11-472 (Page 1)
		NC	05/03/11	CLR	Y	N	Y	UT-11-472 (Page 2)

Summary No	Component ID	System	Insp Date	Insp Status	Insp Limited	Ref	RFR	Comment
C1.B9.11.0024	1NC28-8	NC	05/03/11	CLR	Y	N	Y	UT-11-472 (Page 3)
		NC	05/03/11	CLR	Y	N	Y	UT-11-472 (Page 4)
								Percent of coverage obtained less than or equal to 90%. Reference PIP Serial No. C-11-06483.
C1.B9.11.0025	1NC28-9	NC	05/03/11	CLR	N	N	N	PT-11-269
		NC	05/03/11	CLR	N	N	N	UT-11-473 (Page 1)
		NC	05/03/11	CLR	N	N	N	UT-11-473 (Page 2)
C1.B9.11.0026	1NC29-6	NC	05/04/11	CLR	N	N	N	PT-11-305
		NC	05/05/11	CLR	N	N	N	UT-11-500 (Page 1)
		NC	05/05/11	CLR	N	N	N	UT-11-500 (Page 2)
C1.B9.11.0037	1NC34-5	NC	05/03/11	CLR	N	N	N	PT-11-298
		NC	05/04/11	CLR	N	N	N	UT-11-431 (Page 1)
		NC	05/04/11	CLR	N	Y	N	UT-11-431 (Page 2)
C1.B9.11.0038	1NC34-6	NC	05/03/11	CLR	N	N	N	PT-11-300
		NC	05/04/11	CLR	N	N	N	UT-11-432 (Page 1)
		NC	05/04/11	CLR	N	Y	N	UT-11-432 (Page 2)
C1.B9.11.0041	1NC44-15	NC	05/03/11	CLR	N	N	N	PT-11-299

Summary No	Component ID	System	Insp Date	Insp Status	Insp Limited	Exc Ref	RFR	Comment
C1.B9.11.0041	1NC44-15	NC	05/03/11	CLR	Y	N	N	UT-11-428 (Page 1)
		NC	05/03/11	CLR	Y	N	N	UT-11-428 (Page 2)
								Percent of coverage obtained greater than 90%.
C1.B9.11.0068	1ND38-1	ND	05/12/11	CLR	N	N	N	PT-11-376
		ND	05/12/11	CLR	Y	Y	Y	UT-11-517 (Page 1)
		ND	05/12/11	CLR	Y	Y	Y	UT-11-517 (Page 2)
		ND	05/12/11	CLR	Y	Y	Y	UT-11-517 (Page 3)
								Percent of coverage obtained less than or equal to 90%. Reference PIP Serial No. C-11-06483.
C1.B9.11.0069	1ND38-17	ND	05/12/11	CLR	N	N	N	PT-11-377
		ND	05/12/11	CLR	N	N	N	UT-11-518 (Page 1)
		ND	05/12/11	CLR	N	Y	N	UT-11-518 (Page 2)
C1.B9.11.0070	1ND38-18	ND	05/12/11	CLR	N	N	N	PT-11-378
		ND	05/12/11	CLR	N	N	N	UT-11-519 (Page 1)
		ND	05/12/11	CLR	N	N	N	UT-11-519 (Page 2)
C1.B9.11.0071	1NI9-4	NI	05/06/11	CLR	N	N	N	PT-11-336
		NI	05/06/11	CLR	N	N	N	UT-11-507 (Page 1)
		NI	05/06/11	CLR	N	N	N	UT-11-507 (Page 2)

Summary No	Component ID	System	Insp Date	Insp Status	Insp Limited	Exp Ref	RFR	Comment
C1.B9.11.0072	1NI9-7	NI	05/05/11	CLR	N	N	N	PT-11-322
		NI	05/06/11	CLR	N	N	N	UT-11-508 (Page 1)
		NI	05/06/11	CLR	N	N	N	UT-11-508 (Page 2)
C1.B9.11.0073	1NI9-8	NI	05/05/11	CLR	N	N	N	PT-11-323
		NI	05/06/11	CLR	N	N	N	UT-11-509 (Page 1)
		NI	05/06/11	CLR	N	N	N	UT-11-509 (Page 2)
C1.B9.11.0074	1NI9-9	NI	05/05/11	CLR	N	N	N	PT-11-324
		NI	05/06/11	CLR	N	N	N	UT-11-510 (Page 1)
		NI	05/06/11	CLR	N	N	N	UT-11-510 (Page 2)
C1.B9.11.0106	1NI237-1	NI	05/02/11	CLR	N	N	N	PT-11-284
		NI	05/02/11	CLR	N	N	N	UT-11-409
C1.B9.11.0107	1NI237-2	NI	05/02/11	CLR	N	N	N	PT-11-286
		NI	05/02/11	CLR	N	Y	N	UT-11-408
C1.B9.11.0108	1NI237-6	NI	05/02/11	CLR	N	N	N	PT-11-288
		NI	05/02/11	CLR	N	N	N	UT-11-410
C1.B9.11.0109	1NI237-7	NI	05/02/11	CLR	N	N	N	PT-11-289

Summary No	Component ID	System	Insp Date	Insp Status	Insp Limited	Exc Ref	RFR	Comment
C1.B9.11.0109	1NI237-7	NI	05/02/11	CLR	N	N	N	UT-11-411
C1.B9.11.0110	1NI237-9	NI	05/02/11	CLR	N	N	N	PT-11-290
		NI	05/02/11	CLR	N	N	N	UT-11-412
C1.B9.11.0111	1NI237-12	NI	05/02/11	CLR	N	N	N	PT-11-287
		NI	05/02/11	CLR	N	N	N	UT-11-413
C1.B9.11.0408	1NC44-24	NC	05/03/11	CLR	N	N	N	PT-11-301
		NC	05/03/11	CLR	Y	N	Y	UT-11-427 (Page 1)
		NC	05/03/11	CLR	Y	N	Y	UT-11-427 (Page 2)
		NC	05/03/11	CLR	Y	N	Y	UT-11-427 (Page 3)
								Percent of coverage obtained less than or equal to 90%. Reference PIP Serial No. C-11-06483.
C1.B9.11.0409	1NC44-25	NC	05/03/11	CLR	N	N	N	PT-11-302
		NC	05/03/11	CLR	Y	N	N	UT-11-430 (Page 1)
		NC	05/03/11	CLR	Y	N	N	UT-11-430 (Page 2)
		NC	05/03/11	CLR	Y	N	N	UT-11-430 (Page 3)
								Percent of coverage obtained greater than 90%.
C1.B9.21.0003	1NC23-12	NC	05/03/11	CLR	N	N	N	PT-11-304

Summary No	Component ID	System	Insp Date	Insp Status	Insp Limited	Exc Ref	RFR	Comment
C1.B9.21.0004	1NC24-9	NC	05/01/11	CLR	N	N	N	PT-11-259
C1.B9.21.0019	1NC81-1	NC	04/30/11	CLR	N	N	N	PT-11-260
C1.B9.21.0020	1NC81-2	NC	04/30/11	CLR	N	N	N	PT-11-261
C1.B9.21.0021	1NC82-1	NC	05/05/11	CLR	N	N	N	PT-11-325
C1.B9.21.0026	1NC288-1	NC	05/03/11	CLR	N	N	N	PT-11-296
C1.B9.21.0027	1NC288-3	NC	05/03/11	CLR	N	N	N	PT-11-297
C1.B9.31.0001	1NC22-WN7	NC	05/03/11	CLR	N	N	N	PT-11-303
		NC	05/03/11	CLR	N	N	N	UT-11-440 (Page 1)
		NC	05/03/11	CLR	N	N	N	UT-11-440 (Page 2)
C1.B9.31.0003	1NC24-WN9	NC	05/04/11	CLR	N	N	N	PT-11-326
		NC	05/04/11	CLR	N	N	N	UT-11-465 (Page 1)
		NC	05/04/11	CLR	N	N	N	UT-11-465 (Page 2)
C1.B9.32.0003	1NC24-WN4	NC	05/04/11	CLR	N	N	N	PT-11-318
C1.B9.32.0005	1NC24-WN8A	NC	05/04/11	CLR	N	N	N	PT-11-319
C1.B9.32.0006	1NC24-WN10	NC	05/04/11	CLR	N	N	N	PT-11-320

Summary No	Component ID	System	Insp Date	Insp Status	Insp Limited	Exc Ref	RFR	Comment
C1.B9.40.0013	1NC88-1	NC	05/04/11	CLR	N	N	N	PT-11-307
C1.B9.40.0014	1NC88-2	NC	05/04/11	CLR	N	N	N	PT-11-308
C1.B9.40.0015	1NC88-3	NC	05/04/11	CLR	N	N	N	PT-11-309
C1.B9.40.0016	1NC88-9	NC	05/04/11	CLR	N	N	N	PT-11-310
C1.B9.40.0017	1NC88-10	NC	05/04/11	CLR	N	N	N	PT-11-311
C1.B9.40.0018	1NC88-11	NC	05/04/11	CLR	N	N	N	PT-11-312
C1.B9.40.0019	1NC88-12	NC	05/04/11	CLR	N	N	N	PT-11-313
C1.B9.40.0020	1NC73-5	NC	04/30/11	CLR	N	N	N	PT-11-263
C1.B9.40.0021	1NC73-6	NC	04/30/11	CLR	N	N	N	PT-11-264
C1.B9.40.0027	1NI151-4	NI	05/04/11	CLR	N	N	N	PT-11-314
C1.B9.40.0028	1NI151-6	NI	05/04/11	CLR	N	N	N	PT-11-315
C1.B9.40.0029	1NI160-1	NI	05/04/11	CLR	N	N	N	PT-11-316
C1.B9.40.0030	1NI160-2	NI	05/04/11	CLR	N	N	N	PT-11-317
C1.B9.40.0031	1NI167-4	NI	04/30/11	CLR	N	N	N	PT-11-262

Summary No	Component ID	System	Insp Date	Insp Status	Insp Limited	Exp Ref	RFR	Comment
C1.B9.40.0032	1NI192-8	NI	05/02/11	CLR	N	N	N	PT-11-255
C1.B9.40.0033	1NI235-10	NI	05/09/11	CLR	N	N	N	PT-11-358
C1.B9.40.0034	1NI235-14	NI	05/09/11	CLR	N	N	N	PT-11-359
C1.B9.40.0035	1NI235-23	NI	05/09/11	CLR	N	N	N	PT-11-360
C1.B9.40.0036	1NI236-35	NI	05/07/11	CLR	N	N	N	PT-11-333
C1.B9.40.0037	1NI236-37	NI	05/07/11	CLR	N	N	N	PT-11-334
C1.B9.40.0038	1NI236-38	NI	05/07/11	CLR	N	N	N	PT-11-335
C1.B9.40.0056	1NV484-2	NV	05/05/11	CLR	N	N	N	PT-11-327
C1.B9.40.0057	1NV484-4	NV	05/05/11	CLR	N	N	N	PT-11-328
C1.B9.40.0058	1NV487-3	NV	05/02/11	CLR	N	N	N	PT-11-256
C1.B9.40.0059	1NV487-10	NV	05/02/11	CLR	N	N	N	PT-11-257
C1.B9.40.0060	1NV487-11	NV	05/02/11	CLR	N	N	N	PT-11-258
C1.B9.40.0061	1NV488-1	NV	05/02/11	CLR	N	N	N	PT-11-275
C1.B9.40.0062	1NV488-7	NV	05/02/11	CLR	N	N	N	PT-11-276

Summary No	Component ID	System	Insp Date	Insp Status	Insp Limited	Geo Ref	RFR	Comment
C1.B9.40.0063	1NV488-10	NV	05/02/11	CLR	N	N	N	PT-11-277
C1.B9.40.0064	1NV488-15	NV	05/02/11	CLR	N	N	N	PT-11-278
C1.B9.40.0075	1NVRCP1A-1	NV	04/28/11	CLR	N	N	N	PT-11-244
C1.C1.20.0010	1SGD-W144	NC	05/06/11	CLR	N	N	N	UT-11-466 (Page 1)
		NC	05/06/11	CLR	N	N	N	UT-11-466 (Page 2)
		NC	05/06/11	CLR	N	N	N	UT-11-466 (Page 3)
		NC	05/06/11	CLR	N	N	N	UT-11-467
C1.C2.21.0001	1SGD-W258	CF	05/11/11	CLR	N	N	N	MT-11-115
		CF	05/12/11	CLR	N	N	N	UT-11-512 (Page 1)
		CF	05/13/11	CLR	N	N	N	UT-11-512 (Page 2)
		CF	05/12/11	CLR	N	N	N	UT-11-513
C1.C2.21.0002	1SGD-W259	CA	05/11/11	CLR	N	N	N	MT-11-116
		CA	05/12/11	CLR	N	N	N	UT-11-514 (Page 1)
		CA	05/13/11	CLR	N	N	N	UT-11-514 (Page 2)
		CA	05/12/11	CLR	N	N	N	UT-11-515
C1.C2.22.0001	1SGD-W258	NC	05/12/11	CLR	N	N	N	UT-11-516 (Page 1)

Summary No	Component ID	System	Insp Date	Insp Status	Insp Limited	Geo Ref	RFR	Comment
C1.C2.22.0001	1SGD-W258	NC	05/12/11	CLR	N	N	N	UT-11-516 (Page 2)
		NC	05/12/11	CLR	N	N	N	UT-11-516 (Page 3)
		NC	05/12/11	CLR	N	N	N	UT-11-516 (Page 4)
		NC	05/12/11	CLR	N	N	N	UT-11-516 (Page 5)
		NC	05/12/11	CLR	N	N	N	UT-11-516 (Page 6)
C1.C3.10.0005	1SWIFB-SUPPORT	NV	05/13/11	CLR	N	N	N	PT-11-382
C1.C3.10.0006	1ELDHX-SUPPORT	NV	05/11/11	CLR	N	N	N	PT-11-375
C1.C3.10.0018	1REGHX-SUPPORT	NV	05/23/11	CLR	N	N	N	PT-11-383
C1.C3.10.0019	1VCT-SUPPORT	NV	05/10/11	CLR	N	N	N	PT-11-361
C1.C3.20.0017	1-R-SM-1585	SM	05/03/11	CLR	N	N	N	MT-11-100
C1.C5.11.0006	1CF34-3	CF	05/02/11	CLR	N	N	N	PT-11-285
		CF	05/09/11	CLR	N	Y	N	UT-11-474 (Page 1)
		CF	05/09/11	CLR	N	N	N	UT-11-474 (Page 2)
		CF	05/09/11	CLR	N	N	N	UT-11-474 (Page 3)
C1.C5.11.0017	1ND1-1	ND	05/09/11	CLR	N	N	N	PT-11-362
		ND	05/10/11	CLR	Y	N	Y	UT-11-486 (Page 1)

Summary No	Component ID	System	Insp Date	Insp Status	Insp Limited	Geo Ref	RFR	Comment
C1.C5.11.0017	1ND1-1	ND	05/10/11	CLR	Y	N	Y	UT-11-486 (Page 2)
		ND	05/10/11	CLR	Y	N	Y	UT-11-486 (Page 3)
								Percent of coverage obtained less than or equal to 90%. Reference PIP Serial No. C-11-06483.
C1.C5.11.0023	1ND1-2	ND	05/09/11	CLR	N	N	N	PT-11-363
		ND	05/09/11	CLR	N	N	N	UT-11-487
C1.C5.11.0024	1ND1-4	ND	05/09/11	CLR	N	N	N	PT-11-364
		ND	05/09/11	CLR	N	Y	N	UT-11-488
C1.C5.11.0025	1ND1-5	ND	05/09/11	CLR	N	N	N	PT-11-365
		ND	05/09/11	CLR	N	Y	N	UT-11-489
C1.C5.11.0037	1ND2-10	ND	05/09/11	CLR	N	N	N	PT-11-366
		ND	05/09/11	CLR	N	N	N	UT-11-475
C1.C5.11.0038	1ND2-4	ND	05/09/11	CLR	N	N	N	PT-11-367
		ND	05/09/11	CLR	N	N	N	UT-11-476
C1.C5.11.0039	1ND2-5	ND	05/09/11	CLR	N	N	N	PT-11-368
		ND	05/09/11	CLR	N	Y	N	UT-11-502 (Page 1)
		ND	05/09/11	CLR	N	N	N	UT-11-502 (Page 2)

Summary No	Component ID	System	Insp Date	Insp Status	Insp Limited	Geo Ref	RFR	Comment
C1.C5.11.0040	1ND2-6	ND	05/09/11	CLR	N	N	N	PT-11-369
		ND	05/09/11	CLR	N	N	N	UT-11-477
C1.C5.11.0045	1ND4-4	ND	05/06/11	CLR	N	N	N	PT-11-352
		ND	05/07/11	CLR	N	N	N	UT-11-478 (Page 1)
		ND	05/07/11	CLR	N	N	N	UT-11-478 (Page 2)
C1.C5.11.0046	1ND4-5	ND	05/06/11	CLR	N	N	N	PT-11-353
		ND	05/07/11	CLR	N	N	N	UT-11-479 (Page 1)
		ND	05/07/11	CLR	N	Y	N	UT-11-479 (Page 2)
		ND	05/07/11	CLR	N	N	N	UT-11-479 (Page 3)
C1.C5.11.0083	1NI7-5	NI	05/08/11	CLR	N	N	N	PT-11-354
		NI	05/08/11	CLR	N	N	N	UT-11-455
C1.C5.11.0084	1NI7-6	NI	05/08/11	CLR	N	N	N	PT-11-355
		NI	05/08/11	CLR	N	N	N	UT-11-456
C1.C5.11.0085	1NI7-7	NI	05/08/11	CLR	N	N	N	PT-11-356
		NI	05/08/11	CLR	N	N	N	UT-11-457
C1.C5.11.0086	1NI7-8	NI	05/08/11	CLR	N	N	N	PT-11-357

Summary No	Component ID	System	Insp Date	Insp Status	Insp Limited	Geo Ref	RFR	Comment
C1.C5.11.0086	1NI7-8	NI	05/08/11	CLR	N	N	N	UT-11-458
C1.C5.11.0087	1NI7-17	NI	05/08/11	CLR	N	N	N	PT-11-370
		NI	05/08/11	CLR	N	N	N	UT-11-468 (Page 1)
		NI	05/08/11	CLR	N	N	N	UT-11-468 (Page 2)
C1.C5.11.0088	1NI7-18	NI	05/08/11	CLR	N	N	N	PT-11-371
		NI	05/08/11	CLR	N	N	N	UT-11-469 (Page 1)
		NI	05/08/11	CLR	N	N	N	UT-11-469 (Page 2)
C1.C5.11.0089	1NI7-19	NI	05/08/11	CLR	N	N	N	PT-11-372
		NI	05/08/11	CLR	N	N	N	UT-11-470 (Page 1)
		NI	05/08/11	CLR	N	N	N	UT-11-470 (Page 2)
C1.C5.11.0090	1NI8-1	NI	05/07/11	CLR	N	N	N	PT-11-345
		NI	05/08/11	CLR	N	N	N	UT-11-459
C1.C5.11.0091	1NI8-2	NI	05/07/11	CLR	N	N	N	PT-11-346
		NI	05/08/11	CLR	N	N	N	UT-11-460
C1.C5.11.0092	1NI8-3	NI	05/07/11	CLR	N	N	N	PT-11-347
		NI	05/08/11	CLR	N	N	N	UT-11-461

Summary No	Component ID	System	Insp Date	Insp Status	Insp Limited	Exc Ref	RFR	Comment
C1.C5.11.0093	1NI8-7	NI	05/07/11	CLR	N	N	N	PT-11-348
		NI	05/08/11	CLR	N	N	N	UT-11-480 (Page 1)
		NI	05/08/11	CLR	N	N	N	UT-11-480 (Page 2)
C1.C5.11.0094	1NI8-8	NI	05/07/11	CLR	N	N	N	PT-11-349
		NI	05/08/11	CLR	N	N	N	UT-11-481 (Page 1)
		NI	05/08/11	CLR	N	N	N	UT-11-481 (Page 2)
C1.C5.11.0095	1NI8-9	NI	05/07/11	CLR	N	N	N	PT-11-350
		NI	05/08/11	CLR	N	N	N	UT-11-482 (Page 1)
		NI	05/08/11	CLR	N	N	N	UT-11-482 (Page 2)
C1.C5.11.0096	1NI8-10	NI	05/07/11	CLR	N	N	N	PT-11-351
		NI	05/08/11	CLR	N	N	N	UT-11-483 (Page 1)
		NI	05/08/11	CLR	N	N	N	UT-11-483 (Page 2)
C1.C5.11.0117	1NI212-3	NI	05/13/11	CLR	N	N	N	PT-11-380
		NI	05/13/11	CLR	N	N	N	UT-11-520 (Page 1)
		NI	05/13/11	CLR	N	N	N	UT-11-520 (Page 2)
C1.C5.11.0118	1NI212-4	NI	05/13/11	CLR	N	N	N	PT-11-381

Summary No	Component ID	System	Insp Date	Insp Status	Insp Limited	Exp Ref	RFR	Comment
C1.C5.11.0118	1NI212-4	NI	05/13/11	CLR	N	N	N	UT-11-521 (Page 1)
		NI	05/13/11	CLR	N	N	N	UT-11-521 (Page 2)
C1.C5.11.0119	1NS1-1	NS	05/01/11	CLR	N	N	N	PT-11-247
		NS	05/02/11	CLR	N	N	N	UT-11-406 (Page 1)
		NS	05/02/11	CLR	N	N	N	UT-11-406 (Page 2)
		NS	05/02/11	CLR	N	N	N	UT-11-406 (Page 3)
C1.C5.11.0120	1NS1-2	NS	05/01/11	CLR	N	N	N	PT-11-291
		NS	05/02/11	CLR	N	N	N	UT-11-407 (Page 1)
		NS	05/02/11	CLR	N	N	N	UT-11-407 (Page 2)
		NS	05/02/11	CLR	N	N	N	UT-11-407 (Page 3)
C1.C5.11.0121	1NS2-1	NS	05/11/11	CLR	N	N	N	PT-11-373
		NS	05/11/11	CLR	Y	N	Y	UT-11-528 (Page 1)
		NS	05/11/11	CLR	Y	N	Y	UT-11-528 (Page 2)
		NS	05/11/11	CLR	Y	N	Y	UT-11-528 (Page 3) Percent of coverage obtained less than or equal to 90%. Reference PIP Serial No. C-11-06483.
C1.C5.11.0122	1NS2-1A	NS	05/11/11	CLR	N	N	N	PT-11-374

Summary No	Component ID	System	Insp Date	Insp Status	Insp Limited	Geo Ref	RFR	Comment
C1.C5.11.0122	1NS2-1A	NS	05/11/11	CLR	N	Y	N	UT-11-511 (Page 1)
		NS	05/11/11	CLR	N	Y	N	UT-11-511 (Page 2)
		NS	05/11/11	CLR	N	Y	N	UT-11-511 (Page 3)
C1.C5.21.0004	1NI11-11	NI	05/05/11	CLR	N	N	N	PT-11-329
		NI	05/06/11	CLR	N	N	N	UT-11-490 (Page 1)
		NI	05/06/11	CLR	N	N	N	UT-11-490 (Page 2)
C1.C5.21.0005	1NI12-1	NI	05/05/11	CLR	N	N	N	PT-11-330
		NI	05/06/11	CLR	N	N	N	UT-11-491 (Page 1)
		NI	05/06/11	CLR	N	N	N	UT-11-491 (Page 2)
C1.C5.21.0006	1NI12-2	NI	05/05/11	CLR	N	N	N	PT-11-331
		NI	05/06/11	CLR	N	N	N	UT-11-492 (Page 1)
		NI	05/06/11	CLR	N	N	N	UT-11-492 (Page 2)
C1.C5.21.0007	1NI12-3	NI	05/05/11	CLR	N	N	N	PT-11-332
		NI	05/06/11	CLR	Y	N	N	UT-11-493 (Page 1)
		NI	05/06/11	CLR	Y	N	N	UT-11-493 (Page 2)
								Percent of coverage obtained greater than 90%.
C1.C5.21.0008	1NI13-2	NI	05/01/11	CLR	N	N	N	PT-11-248

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C1.C5.21.0008	1NI13-2	NI	05/02/11	CLR	N	N	N	UT-11-426 (Page 1)
		NI	05/02/11	CLR	N	N	N	UT-11-426 (Page 2)
C1.C5.21.0009	1NI13-3	NI	05/01/11	CLR	N	N	N	PT-11-251
		NI	05/02/11	CLR	N	N	N	UT-11-441 (Page 1)
		NI	05/02/11	CLR	N	N	N	UT-11-441 (Page 2)
C1.C5.21.0014	1NI28-6	NI	05/02/11	CLR	N	N	N	PT-11-271
		NI	05/03/11	CLR	N	N	N	UT-11-450 (Page 1)
		NI	05/03/11	CLR	N	N	N	UT-11-450 (Page 2)
C1.C5.21.0015	1NI28-7	NI	05/02/11	CLR	N	N	N	PT-11-272
		NI	05/03/11	CLR	Y	N	N	UT-11-451 (Page 1)
		NI	05/03/11	CLR	Y	N	N	UT-11-451 (Page 2)
		NI	05/03/11	CLR	Y	N	N	UT-11-451 (Page 3) Percent of coverage obtained greater than 90%.
C1.C5.21.0016	1NI28-8	NI	05/02/11	CLR	N	N	N	PT-11-273
		NI	05/03/11	CLR	Y	N	N	UT-11-452 (Page 1)
		NI	05/03/11	CLR	Y	N	N	UT-11-452 (Page 2)

Summary No	Component ID	System	Insp Date	Insp Status	Insp Limited	Geo Ref	RFR	Comment
C1.C5.21.0016	1NI28-8	NI	05/03/11	CLR	Y	N	N	UT-11-452 (Page 3)
								Percent of coverage obtained greater than 90%.
C1.C5.21.0017	1NI28-9	NI	05/02/11	CLR	N	N	N	PT-11-274
		NI	05/03/11	CLR	N	N	N	UT-11-453 (Page 1)
		NI	05/03/11	CLR	N	N	N	UT-11-453 (Page 2)
C1.C5.21.0028	1NV244-8	NV	05/02/11	CLR	N	N	N	PT-11-279
		NV	05/03/11	CLR	N	N	N	UT-11-414 (Page 1)
		NV	05/03/11	CLR	N	N	N	UT-11-414 (Page 2)
C1.C5.21.0029	1NV140-7	NV	01/25/11	CLR	N	N	N	PT-11-236
		NV	01/25/11	CLR	N	N	N	UT-11-394 (Page 1)
		NV	01/25/11	CLR	N	N	N	UT-11-394 (Page 2)
C1.C5.21.0030	1NV140-8	NV	01/25/11	CLR	N	N	N	PT-11-237
		NV	01/25/11	CLR	N	N	N	UT-11-395 (Page 1)
		NV	01/25/11	CLR	N	N	N	UT-11-395 (Page 2)
C1.C5.21.0031	1NV140-10	NV	01/25/11	CLR	N	N	N	PT-11-238
		NV	01/25/11	CLR	N	N	N	UT-11-396 (Page 1)
		NV	01/25/11	CLR	N	N	N	UT-11-396 (Page 2)

Summary No	Component ID	System	Insp Date	Insp Status	Insp Limited	Geo Ref	RFR	Comment
C1.C5.21.0032	1NV43-2	NV	05/02/11	CLR	N	N	N	PT-11-280
		NV	05/01/11	CLR	N	N	N	UT-11-415 (Page 1)
		NV	05/01/11	CLR	N	N	N	UT-11-415 (Page 2)
C1.C5.21.0033	1NV43-3	NV	05/02/11	CLR	N	N	N	PT-11-281
		NV	05/01/11	CLR	N	N	N	UT-11-416 (Page 1)
		NV	05/01/11	CLR	N	N	N	UT-11-416 (Page 2)
C1.C5.21.0046	1NV152-2	NV	01/26/11	CLR	N	N	N	PT-11-239
		NV	01/26/11	CLR	N	N	N	UT-11-398
C1.C5.21.0047	1NV152-3	NV	01/26/11	CLR	N	N	N	PT-11-240
		NV	01/26/11	CLR	N	N	N	UT-11-399
C1.C5.21.0048	1NV152-4	NV	01/26/11	CLR	N	N	N	PT-11-242
		NV	01/26/11	CLR	N	N	N	UT-11-400
C1.C5.21.0049	1NV152-5	NV	01/26/11	CLR	N	N	N	PT-11-243
		NV	01/26/11	CLR	N	N	N	UT-11-401
C1.C5.21.0050	1NV244-5	NV	05/02/11	CLR	N	N	N	PT-11-282
		NV	05/01/11	CLR	N	N	N	UT-11-417 (Page 1)

Summary No	Component ID	System	Insp Date	Insp Status	Insp Limited	[illegible] Ref	RFR	Comment
C1.C5.21.0050	1NV244-5	NV	05/03/11	CLR	N	N	N	UT-11-417 (Page 2)
C1.C5.21.0051	1NV244-6	NV	05/02/11	CLR	N	N	N	PT-11-283
		NV	05/01/11	CLR	N	N	N	UT-11-418 (Page 1)
		NV	05/01/11	CLR	N	N	N	UT-11-418 (Page 2)
C1.C5.21.0061	1NV350-1	NV	01/20/11	CLR	N	N	N	PT-11-234
		NV	01/20/11	CLR	N	N	N	UT-11-388 (Page 1)
		NV	01/20/11	CLR	N	N	N	UT-11-388 (Page 2)
C1.C5.21.0062	1NV350-13	NV	01/20/11	CLR	N	N	N	PT-11-233
		NV	01/20/11	CLR	N	N	N	UT-11-389 (Page 1)
		NV	01/20/11	CLR	N	N	N	UT-11-389 (Page 2)
C1.C5.21.0063	1NV350-14	NV	01/20/11	CLR	N	N	N	PT-11-235
		NV	01/20/11	CLR	N	N	N	UT-11-390 (Page 1)
		NV	01/20/11	CLR	N	N	N	UT-11-390 (Page 2)
C1.C5.21.0064	1NV359-16	NV	01/18/11	CLR	N	N	N	PT-11-224
		NV	01/18/11	CLR	N	N	N	UT-11-391 (Page 1)
		NV	01/18/11	CLR	N	N	N	UT-11-391 (Page 2)

Summary No	Component ID	System	Insp Date	Insp Status	Insp Limited	Geo Ref	RFR	Comment
C1.C5.21.0065	1NV359-18	NV	01/18/11	CLR	N	N	N	PT-11-225
		NV	01/18/11	CLR	N	N	N	UT-11-392 (Page 1)
		NV	01/18/11	CLR	N	N	N	UT-11-392 (Page 2)
C1.C5.21.0066	1NV360-6	NV	01/26/11	CLR	N	N	N	PT-11-241
		NV	01/26/11	CLR	Y	N	N	UT-11-397 (Page 1)
		NV	01/26/11	CLR	Y	N	N	UT-11-397 (Page 2)
		NV	01/26/11	CLR	Y	N	N	UT-11-397 (Page 3)
								Percent of coverage greater than 90%.
C1.C5.30.0001	1NI13-9	NI	05/01/11	CLR	N	N	N	PT-11-249
C1.C5.30.0002	1NI13-10	NI	05/01/11	CLR	N	N	N	PT-11-250
C1.C5.30.0008	1NI161-12	NI	05/01/11	CLR	N	N	N	PT-11-252
C1.C5.30.0009	1NI161-14	NI	05/01/11	CLR	N	N	N	PT-11-253
C1.C5.30.0010	1NI161-15	NI	05/01/11	CLR	N	N	N	PT-11-254
C1.C5.30.0034	1NV155-3	NV	01/19/11	CLR	N	N	N	PT-11-226
C1.C5.30.0035	1NV155-4	NV	01/19/11	CLR	N	N	N	PT-11-227
C1.C5.30.0036	1NV155-22	NV	01/19/11	CLR	N	N	N	PT-11-228

Summary No	Component ID	System	Insp Date	Insp Status	Insp Limited	Exc Ref	RFR	Comment
C1.C5.30.0037	1NV155-23	NV	01/19/11	CLR	N	N	N	PT-11-229
C1.C5.30.0038	1NV189-2	NV	05/07/11	CLR	N	N	N	PT-11-337
C1.C5.30.0039	1NV189-3	NV	05/07/11	CLR	N	N	N	PT-11-338
C1.C5.30.0040	1NV189-8	NV	05/07/11	CLR	N	N	N	PT-11-339
C1.C5.30.0041	1NV189-9	NV	05/07/11	CLR	N	N	N	PT-11-340
C1.C5.30.0042	1NV193-4	NV	05/07/11	CLR	N	N	N	PT-11-341
C1.C5.30.0043	1NV193-5	NV	05/07/11	CLR	N	N	N	PT-11-342
C1.C5.30.0044	1NV193-8	NV	05/07/11	CLR	N	N	N	PT-11-343
C1.C5.30.0045	1NV193-9	NV	05/07/11	CLR	N	N	N	PT-11-344
C1.C5.41.0003	1NV41-14	NV	01/19/11	CLR	N	N	N	PT-11-232
C1.C5.51.0037	1SM24-36	SM	05/11/11	CLR	N	N	N	MT-11-112
		SM	05/11/11	CLR	N	N	N	UT-11-501 (Page 1)
		SM	05/11/11	CLR	N	N	N	UT-11-501 (Page 2)
		SM	05/11/11	CLR	N	N	N	UT-11-501 (Page 3)
C1.C5.51.0043	1SM34-38	SM	05/11/11	CLR	N	N	N	MT-11-114

Summary No	Component ID	System	Insp Date	Insp Status	Insp Limited	Geo Ref	RFR	Comment
C1.C5.51.0043	1SM34-38	SM	05/13/11	CLR	N	N	N	UT-11-522 (Page 1)
		SM	05/13/11	CLR	N	N	N	UT-11-522 (Page 2)
		SM	05/13/11	CLR	N	N	N	UT-11-522 (Page 3)
C1.C5.51.0050	1SGC-W138	SM	05/04/11	CLR	N	N	N	MT-11-098
		SM	04/29/11	CLR	N	N	N	UT-11-419 (Page 1)
		SM	04/29/11	CLR	N	N	N	UT-11-419 (Page 2)
		SM	04/29/11	CLR	N	N	N	UT-11-419 (Page 3)
C1.C5.51.0051	1SM39-2	SM	05/06/11	CLR	N	N	N	MT-11-106
		SM	05/06/11	CLR	N	N	N	UT-11-484
C1.C5.51.0052	1SM39-3	SM	05/06/11	CLR	N	N	N	MT-11-105
		SM	05/06/11	CLR	N	N	N	UT-11-485
C1.C5.51.0310	1SV36-6	SV	05/06/11	CLR	N	N	N	MT-11-107
		SV	05/05/11	CLR	N	N	N	UT-11-494 (Page 1)
		SV	05/05/11	CLR	N	Y	N	UT-11-494 (Page 2)
		SV	05/05/11	CLR	N	N	N	UT-11-494 (Page 3)
C1.C5.61.0003	1CA105-9	CA	05/03/11	CLR	N	N	N	MT-11-099

Summary No	Component ID	System	Insp Date	Insp Status	Insp Limited	Geo Ref	RFR	Comment
C1.C5.61.0003	1CA105-9	CA	05/03/11	CLR	N	N	N	UT-11-422 (Page 1)
		CA	05/03/11	CLR	N	N	N	UT-11-422 (Page 2)
		CA	05/03/11	CLR	N	N	N	UT-11-422 (Page 3)
C1.C5.61.0011	1CA73-16	CA	05/08/11	CLR	N	N	N	MT-11-113
		CA	05/09/11	CLR	N	N	N	UT-11-499 (Page 1)
		CA	05/09/11	CLR	N	N	N	UT-11-499 (Page 2)
		CA	05/09/11	CLR	N	N	N	UT-11-499 (Page 3)
		CA	05/09/11	CLR	N	N	N	UT-11-499 (Page 4)
C1.C5.61.0013	1CA88-4	CA	05/05/11	CLR	N	N	N	MT-11-101
		CA	05/05/11	CLR	N	N	N	UT-11-442 (Page 1)
		CA	05/05/11	CLR	N	N	N	UT-11-442 (Page 2)
		CA	05/05/11	CLR	N	N	N	UT-11-442 (Page 3)
C1.C5.70.0003	1CA105-1	CA	05/03/11	CLR	N	N	N	PT-11-294
C1.C5.70.0004	1CA105-47	CA	05/03/11	CLR	N	N	N	PT-11-295
C1.C5.70.0005	1CA105-49	CA	05/03/11	CLR	N	N	N	PT-11-293
C1.C5.70.0017	1CA95-18	CA	05/05/11	CLR	N	N	N	PT-11-321

Summary No	Component ID	System	Insp Date	Insp Status	Insp Limited	Geo Ref	RFR	Comment
C1.C6.20.0007	1NI-162A	NI	05/03/11	CLR	N	N	N	PT-11-292
C1.C6.20.0010	1NI-342	NI	01/19/11	CLR	N	N	N	PT-11-230
C1.C6.20.0011	1NI-136B	NI	01/19/11	CLR	N	N	N	PT-11-231
C1.D1.20.0002	1-R-CA-0287	CA	05/16/11	CLR	N	N	N	VT-11-662
C1.D1.20.0007	1-R-KD-0005	KD	05/07/11	CLR	N	N	N	VT-11-663
C1.D1.20.0009	1-R-RN-0751	RN	05/08/11	CLR	N	N	N	VT-11-664
C1.D1.20.0011	1-R-RN-0669	RN	05/08/11	CLR	N	N	N	VT-11-665
C1.F1.20.0012	1-R-CA-1521	CA	05/10/11	CLR	N	N	N	VT-11-670
C1.F1.20.0015	1-R-FW-0021	FW	05/10/11	CLR	N	N	N	VT-11-620
C1.F1.20.0027	1-R-ND-0111	ND	05/06/11	CLR	N	N	N	VT-11-597
C1.F1.20.0028	1-R-ND-0112	ND	05/06/11	CLR	N	N	N	VT-11-598
C1.F1.20.0029	1-R-ND-0113	ND	05/06/11	CLR	N	N	N	VT-11-599
C1.F1.20.0030	1-R-ND-0282	ND	05/09/11	CLR	N	N	N	VT-11-621
C1.F1.20.0031	1-R-ND-0284	ND	05/09/11	REC	N	N	N	VT-11-622

Condition found acceptable based on Evaluation Report No. EV-11-074 by Mark Shutt on 05/10/2011.

Summary No	Component ID	System	Insp Date	Insp Status	Insp Limited	Geo Ref	RFR	Comment
C1.F1.20.0032	1-R-ND-0285	ND	05/09/11	CLR	N	N	N	VT-11-623
C1.F1.20.0033	1-R-ND-0289	ND	05/09/11	REC	N	N	N	VT-11-624 Condition found acceptable based on Evaluation Report No. EV-11-075 by Mark Shutt on 05/10/2011.
C1.F1.20.0042	1-R-NI-1122	NI	05/04/11	CLR	N	N	N	VT-11-594
C1.F1.20.0045	1-R-NI-1198	NI	05/04/11	CLR	N	N	N	VT-11-595
C1.F1.20.0046	1-R-NI-1199	NI	04/29/11	CLR	N	N	N	VT-11-671
C1.F1.20.0059	1-R-NI-1191	NI	05/04/11	CLR	N	N	N	VT-11-596
C1.F1.20.0062	1-R-NS-0075	NS	05/03/11	CLR	N	N	N	VT-11-581
C1.F1.20.0063	1-R-NS-0100	NS	05/03/11	REC	N	N	N	VT-11-573 Condition found acceptable based on Evaluation Report No. EV-11-071 by Mark Shutt on 05/05/2011.
C1.F1.20.0066	1-R-NS-0051	NS	05/03/11	REC	N	N	N	VT-11-570 Condition found acceptable based on Evaluation Report No. EV-11-068 by Mark Shutt on 05/05/2011.
C1.F1.20.0067	1-R-NS-0052	NS	05/03/11	CLR	N	N	N	VT-11-582
C1.F1.20.0068	1-R-NS-0054	NS	05/03/11	CLR	N	N	N	VT-11-583
C1.F1.20.0069	1-R-NS-0055	NS	05/03/11	CLR	N	N	N	VT-11-584

Summary No	Component ID	System	Insp Date	Insp Status	Insp Limited	Geo Ref	RFR	Comment
C1.F1.20.0070	1-R-NS-0056	NS	05/03/11	CLR	N	N	N	VT-11-585
C1.F1.20.0110	1-R-NV-0178	NV	05/04/11	CLR	N	N	N	VT-11-593
C1.F1.20.0121	1-R-SM-1008	SM	05/10/11	CLR	N	N	N	VT-11-625
C1.F1.20.0124	1-R-SM-1585	SM	05/08/11	CLR	N	N	N	VT-11-626
C1.F1.20.0125	1-R-SV-1508	SV	05/08/11	REC	N	N	N	VT-11-627 Condition found acceptable based on Evaluation Report No. EV-11-076 by Mark Shutt on 05/10/2011.
C1.F1.20.0126	1-R-SV-1510	SV	05/08/11	REC	N	N	N	VT-11-628 Condition found acceptable based on Evaluation Report No. EV-11-077 by Mark Shutt on 05/10/2011.
C1.F1.21.0010	1-R-ND-0536	ND	05/06/11	CLR	N	N	N	VT-11-600
C1.F1.21.0011	1-R-ND-0537	ND	05/06/11	CLR	N	N	N	VT-11-601
C1.F1.21.0012	1-R-ND-0566	ND	05/06/11	CLR	N	N	N	VT-11-602
C1.F1.21.0013	1-R-ND-0348	ND	05/09/11	CLR	N	N	N	VT-11-619
C1.F1.21.0022	1-R-NI-1235	NI	05/04/11	CLR	N	N	N	VT-11-590
C1.F1.21.0023	1-R-NI-1189	NI	05/04/11	REC	N	N	N	VT-11-575 Condition found acceptable based on Evaluation Report No. EV-11-073 by Mark Shutt on 05/05/2011.

Summary No	Component ID	System	Insp Date	Insp Status	Insp Limited	Geo Ref	RFR	Comment
C1.F1.21.0024	1-R-NI-1190	NI	05/04/11	CLR	N	N	N	VT-11-591
C1.F1.21.0025	1-R-NI-1196	NI	05/04/11	CLR	N	N	N	VT-11-592
C1.F1.21.0034	1-R-NS-0019	NS	05/02/11	REC	N	N	N	VT-11-571 Condition found acceptable based on Evaluation Report No. EV-11-069 by Mark Shutt on 05/05/2011.
C1.F1.21.0035	1-R-NS-0023	NS	05/02/11	REC	N	N	N	VT-11-572 Condition found acceptable based on Evaluation Report No. EV-11-070 by Mark Shutt on 05/05/2011.
C1.F1.21.0036	1-R-NS-0079	NS	05/02/11	CLR	N	N	N	VT-11-577
C1.F1.21.0050	1-R-NS-1102	NS	05/02/11	CLR	N	N	N	VT-11-578
C1.F1.21.0051	1-R-NS-1103	NS	05/02/11	CLR	N	N	N	VT-11-579
C1.F1.21.0052	1-R-NS-1104	NS	05/02/11	CLR	N	N	N	VT-11-580
C1.F1.21.0063	1-R-NV-1202	NV	04/29/11	CLR	N	N	N	VT-11-629
C1.F1.21.0064	1-R-NV-1203	NV	04/29/11	CLR	N	N	N	VT-11-630
C1.F1.21.0065	1-R-NV-1204	NV	04/29/11	CLR	N	N	N	VT-11-631
C1.F1.21.0066	1-R-NV-1205	NV	04/29/11	CLR	N	N	N	VT-11-632
C1.F1.21.0067	1-R-NV-1206	NV	04/29/11	CLR	N	N	N	VT-11-633

Summary No	Component ID	System	Insp Date	Insp Status	Insp Limited	Geo Ref	RFR	Comment
C1.F1.21.0068	1-R-NV-1207	NV	05/04/11	CLR	N	N	N	VT-11-586
C1.F1.21.0069	1-R-NV-1208	NV	05/04/11	CLR	N	N	N	VT-11-587
C1.F1.21.0070	1-R-NV-1209	NV	05/04/11	CLR	N	N	N	VT-11-588
C1.F1.21.0083	1-R-NV-0295	NV	05/04/11	CLR	N	N	N	VT-11-589
C1.F1.21.0097	1-R-NS-1168	NS	05/02/11	CLR	N	N	N	VT-11-576
C1.F1.22.0010	1-R-CF-1564	CF	05/15/11	REC	N	N	N	VT-11-655 Condition found acceptable based on Evaluation Report No. EV-11-082 by Mark Shutt on 05/16/2011.
C1.F1.22.0011	1-R-CF-1565	CF	05/15/11	REC	N	N	N	VT-11-656 Condition found acceptable based on Evaluation Report No. EV-11-083 by Mark Shutt on 05/17/2011.
C1.F1.22.0017	1-R-ND-0295	ND	05/09/11	CLR	N	N	N	VT-11-649
C1.F1.22.0018	1-R-ND-0108	ND	05/09/11	CLR	N	N	N	VT-11-650
C1.F1.22.0019	1-R-ND-0181	ND	05/09/11	CLR	N	N	N	VT-11-651
C1.F1.22.0020	1-R-ND-0182	ND	05/06/11	CLR	N	N	N	VT-11-608
C1.F1.22.0032	1-R-NV-0004	NV	05/04/11	CLR	N	N	N	VT-11-603

Summary No	Component ID	System	Insp Date	Insp Status	Insp Limited	Geo Ref	RFR	Comment
C1.F1.22.0040	1-R-SM-1565	SM	05/08/11	REC	N	N	N	VT-11-652 Condition found acceptable based on Evaluation Report No. EV-11-079 by Mark Shutt on 05/10/2011.
C1.F1.22.0041	1-R-SM-1568	SM	05/08/11	REC	N	N	N	VT-11-653 Condition found acceptable based on Evaluation Report No. EV-11-080 by Mark Shutt on 05/10/2011.
C1.F1.22.0042	1-R-SM-1536	SM	05/08/11	REC	N	N	N	VT-11-654 Condition found acceptable based on Evaluation Report No. EV-11-081 by Mark Shutt on 05/10/2011.
C1.F1.22.0043	1-R-SM-1540	SM	05/17/11	CLR	N	N	N	VT-11-657
C1.F1.30.0001	1-R-CA-0323	CA	05/17/11	REC	N	N	N	VT-11-677 Condition found acceptable based on Evaluation Report No. EV-11-088 by Mark Shutt on 05/18/2011.
C1.F1.30.0002	1-R-CA-0372	CA	05/17/11	REC	N	N	N	VT-11-678 Condition found acceptable based on Evaluation Report No. EV-11-089 by Mark Shutt on 05/18/2011.
C1.F1.30.0005	1-R-CA-0319	CA	05/17/11	CLR	N	N	N	VT-11-672
C1.F1.30.0006	1-R-CA-0320	CA	05/17/11	CLR	N	N	N	VT-11-673
C1.F1.30.0053	1-R-KC-0185	KC	05/03/11	CLR	N	N	N	VT-11-615
C1.F1.30.0059	1-R-KD-0103	KD	05/13/11	CLR	N	N	N	VT-11-635
C1.F1.30.0068	1-R-RN-0103	RN	05/08/11	CLR	N	N	N	VT-11-636

Summary No	Component ID	System	Insp Date	Insp Status	Insp Limited	Geo Ref	RFR	Comment
C1.F1.30.0069	1-R-RN-0669	RN	05/08/11	CLR	N	N	N	VT-11-637
C1.F1.30.0070	1-R-RN-0092	RN	05/16/11	CLR	N	N	N	VT-11-638
C1.F1.30.0071	1-R-RN-0094	RN	05/16/11	CLR	N	N	N	VT-11-639
C1.F1.30.0072	1-R-RN-0752	RN	05/16/11	CLR	N	N	N	VT-11-641
C1.F1.30.0073	1-R-RN-0099	RN	05/16/11	CLR	N	N	N	VT-11-640
C1.F1.30.0094	1-R-VN-0033	VN	05/15/11	CLR	N	N	N	VT-11-642
C1.F1.30.0095	1-R-VN-0034	VN	05/15/11	CLR	N	N	N	VT-11-643
C1.F1.30.0098	1-R-YC-0050	YC	05/06/11	CLR	N	N	N	VT-11-644
C1.F1.30.0099	1-R-YC-0035	YC	05/17/11	REC	N	N	N	VT-11-611 Condition found acceptable based om Evaluation Report No. EV-11-087 by Mark Shutt on 05/18/2011.
C1.F1.30.0100	1-R-YC-0002	YC	05/06/11	CLR	N	N	N	VT-11-612
C1.F1.31.0002	1-R-CA-0356	CA	05/10/11	REC	N	N	N	VT-11-645 Condition found acceptable based om Evaluation Report No. EV-11-078 by Mark Shutt on 05/10/2011.
C1.F1.31.0008	1-R-KC-0196	KC	05/03/11	REC	N	N	N	VT-11-574 Condition found acceptable based om Evaluation Report No. EV-11-072 by Mark Shutt on 05/05/2011.

Summary No	Component ID	System	Insp Date	Insp Status	Insp Limited	Geo Ref	RFR	Comment
C1.F1.31.0016	1-R-RN-0076	RN	05/08/11	CLR	N	N	N	VT-11-646
C1.F1.31.0023	1-R-YC-0041	YC	05/13/11	CLR	N	N	N	VT-11-647
C1.F1.32.0001	1-R-CA-0287	CA	05/16/11	CLR	N	N	N	VT-11-658
C1.F1.32.0007	1-R-KC-0392	KC	05/03/11	CLR	N	N	N	VT-11-607
C1.F1.32.0009	1-R-KC-0247	KC	05/03/11	CLR	N	N	N	VT-11-605
C1.F1.32.0010	1-R-KC-0186	KC	05/03/11	CLR	N	N	N	VT-11-606
C1.F1.32.0014	1-R-KD-0005	KD	05/09/11	CLR	N	N	N	VT-11-648
C1.F1.32.0019	1-R-LD-0035	LD	05/06/11	CLR	N	N	N	VT-11-609
C1.F1.32.0023	1-R-RN-0751	RN	05/08/11	CLR	N	N	N	VT-11-659
C1.F1.32.0026	1-R-SA-0061	SA	04/27/11	CLR	N	N	N	VT-11-604
C1.F1.40.0002	1PZR-SKIRT	NC	04/30/11	CLR	N	N	N	VT-11-613
C1.F1.40.0003	1PZR-SUPPORT	NC	04/30/11	CLR	N	N	N	VT-11-614
C1.F1.40.0006	1SGA-COLUMNS	NC	05/20/11	CLR	N	N	N	VT-11-676
C1.F1.40.0015	1REGHX-SUPPORT	NV	05/19/11	CLR	N	N	N	VT-11-675

Summary No	Component ID	System	Insp Date	Insp Status	Insp Limited	Geo Ref	RFR	Comment
C1.F1.40.0020	1SWIFB-SUPPORT	NV	05/13/11	CLR	N	N	N	VT-11-660
C1.F1.40.0021	1VCT-SUPPORT	NV	05/16/11	CLR	N	N	N	VT-11-674
C1.F1.40.0022	1ELDHX-SUPPORT	NV	05/16/11	CLR	N	N	N	VT-11-661
C1.F1.40.0029	1KCPA2-SUPPORT	KC	05/23/11	CLR	N	N	N	VT-11-679
C1.F1.40.0034	1DGEIAFA1-SUPPORT	VN	05/07/11	CLR	N	N	N	VT-11-610
C1.G2.1.0024	1SM32-01	SM	05/07/11	CLR	N	N	N	MT-11-108
		SM	05/10/11	CLR	N	N	N	UT-11-495 (Page 1)
		SM	05/10/11	CLR	N	N	N	UT-11-495 (Page 2)
C1.G2.1.0025	1SM-8A-A	SM	05/07/11	CLR	N	N	N	MT-11-109
		SM	05/10/11	CLR	N	N	N	UT-11-496 (Page 1)
		SM	05/10/11	CLR	N	N	N	UT-11-496 (Page 2)
C1.G2.1.0026	1SM32-05	SM	05/07/11	CLR	N	N	N	MT-11-110
		SM	05/10/11	CLR	N	N	N	UT-11-497 (Page 1)
		SM	05/10/11	CLR	N	N	N	UT-11-497 (Page 2)
		SM	05/10/11	CLR	N	N	N	UT-11-497 (Page 3)
C1.G2.1.0027	1SM32-06	SM	05/07/11	CLR	N	N	N	MT-11-111

Summary No	Component ID	System	Insp Date	Insp Status	Insp Limited	Geo Ref	RFR	Comment
C1.G2.1.0027	1SM32-06	SM	05/10/11	CLR	N	N	N	UT-11-498 (Page 1)
		SM	05/10/11	CLR	N	N	N	UT-11-498 (Page 2)
		SM	05/10/11	CLR	N	N	N	UT-11-498 (Page 3)
C1.G2.1.0033	1SM33-04	SM	05/05/11	CLR	N	N	N	MT-11-102
		SM	05/06/11	CLR	N	N	N	UT-11-447
C1.G2.1.0034	1SM-7A-A	SM	05/05/11	CLR	N	N	N	MT-11-103
		SM	05/06/11	CLR	N	N	N	UT-11-448
C1.G2.1.0035	1SM-7A-B	SM	05/05/11	CLR	N	N	N	MT-11-104
		SM	05/06/11	CLR	N	N	N	UT-11-449
C1.G4.1.0001	1NI79-6	NI	01/19/11	CLR	N	N	N	UT-11-393 (Page 1)
		NI	01/19/11	CLR	N	N	N	UT-11-393 (Page 2)
C1.G6.2.0001	1PZR-MANWAY	NC	04/25/11	CLR	N	N	N	VT-11-616
C1.G8.3.0001	1RPV-VENT-NOZZLE	NC	11/27/09	CLR	N	N	N	VT-11-683 This visual (VT-2) examination was actually performed during the 1EOC18 Refueling Cycle but the results are being reported in the 1EOC19 Summary Report.
C1.H2.1.0007	1ND64-2	ND	09/08/10	CLR	N	N	N	UT-11-525 (Page 1)

Summary No	Component ID	System	Insp Date	Insp Status	Insp Limited	Geo Ref	RFR	Comment
C1.H2.1.0007	1ND64-2	ND	09/08/10	CLR	N	N	N	UT-11-525 (Page 2)
C1.H2.1.0008	1ND64-3	ND	09/08/10	CLR	N	N	N	UT-11-526 (Page 1)
		ND	09/08/10	CLR	N	N	N	UT-11-526 (Page 2)
C1.H2.1.0009	1ND64-4	ND	09/08/10	CLR	N	N	N	UT-11-527 (Page 1)
		ND	09/08/10	CLR	N	N	N	UT-11-527 (Page 2)
C1.H2.1.0010	1ND1-16	ND	05/14/11	CLR	N	N	N	UT-11-523 (Page 1)
		ND	05/14/11	CLR	N	N	N	UT-11-523 (Page 2)
C1.H2.1.0011	1ND1-17	ND	05/14/11	CLR	N	N	N	UT-11-524 (Page 1)
		ND	05/14/11	CLR	N	N	N	UT-11-524 (Page 2)
C1.H2.1.0012	1ND14-3	ND	05/16/11	CLR	N	N	N	UT-11-529 (Page 1)
		ND	05/16/11	CLR	N	N	N	UT-11-529 (Page 2)
C1.H2.1.0013	1ND14-5	ND	05/16/11	CLR	N	N	N	UT-11-530 (Page 1)
		ND	05/16/11	CLR	N	N	N	UT-11-530 (Page 2)

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 activities are included in the NIS-2 forms in this section. The following attachment (1EOC19 NIS-2) lists the NIS-2 Forms that were completed in 1EOC19.

There was one work order completed during 1EOC19 where replacement welds were not listed within the prescribed pressure test boundary, therefore the NIS-2 Form cannot be completed. This NIS-2 Form will not be submitted in this report, but will be included in the 1EOC20 ISI Summary Report. PIP Serial Number C-11-06555 was written to document this issue.

The NIS-2 Forms included in this section were completed for work performed in this report period.

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. PSI examination data for items examined during 1EOC19 are filed with the work order and can be viewed in NEDL Portal.

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
1912777-03	A	NC	NA	Weld Repair 1NC24-36	Repair	YES PIP C-10-1020	3/17/2010	3/18/2010
1939246-10	A	NC	NA	1NC287-MJ1, MJ2 Bolting	Replacement	No	6/7/2011	6/9/2011
1938329-03	A	NV	NA	1-R-NV-1468	Replacement	No	6/14/2011	6/16/2011
1939241-05	A	NC	NA	Valve 1NC-001	Replacement	No	6/14/2011	6/15/2011
1939243-05	A	NC	NA	Valve 1NC-003	Replacement	No	6/14/2011	6/15/2011
1939242-05	A	NC	NA	Valve 1NC-002	Replacement	No	6/14/2011	6/15/2011
1940993-02	A	NV	EC 104527	Modify S/R 1-R-NV-1548	Replacement	No	7/21/2011	7/21/2011
1940994-08	A	NV	EC104527	NV Piping	Replacement	No	7/21/2011	7/26/2011
1895763-06	A	NV	NA	1NV-82 Seal Weld	Replacement	No	7/26/2011	7/26/2011
1938324-03	A	NV	EC103554	1-R-NV-1466	Replacement	No	8/1/2011	8/2/2011
1938327-03	A	NV	EC103554	1-R-NV-1467	Replacement	No	8/1/2011	8/2/2011
1930386-06	A	NC	NA	1NCTW5870 Seal Weld	Replacement	No	8/8/2011	8/11/2011
1930458-06	A	NC	NA	1NCTW5920 Seal Weld	Replacement	No	8/8/2011	8/11/2011
1930434-06	A	NC	NA	1NCTW5900 Seal Weld	Replacement	No	8/8/2011	8/11/2011
1899931-01	A	NC	NA	Reactor Coolant Pump 1A	Replacement	No	8/11/2011	8/15/2011
1939413-25	B	SM	NA	1-R-SM-1539	Replacement	No	5/6/2011	7/19/2011
1940133-03	B	ND	NA	1-R-ND-0504 Bolting	Replacement	No	5/11/2011	7/19/2011
1852349-01	B	NV	NA	1NV-200 Disc	Replacement	No	5/20/2011	7/19/2011
1939413-21	B	NV	NA	Snubber 1-A-NV-8503	Replacement	No	5/23/2011	7/18/2011
1939834-03	B	ND	NA	1-R-ND-510 Bolting	Replacement	No	5/25/2011	6/6/2011
1938350-03	B	NI	NA	Valve 1NI-161	Replacement	No	5/31/2011	6/3/2011
1938349-06	B	NI	NA	Valve 1NI-102	Replacement	No	5/31/2011	6/3/2011
1871323-06	B	NI	NA	Valve 1NI-115	Replacement	No	5/31/2011	6/3/2011
1935821-06	B	NI	NA	Valve 1NI-119	Replacement	No	5/31/2011	6/3/2011
1983221-01	B	NV	NA	Valve 1NV-79	Replacement	No	5/31/2011	6/3/2011
1887263-05	B	CA	NA	1-R-CA-1686 Extension Assembly	Replacement	No	5/31/2011	6/3/2011
1940989-02	B	NV	NA	1-R-NV-1758 Bolting	Replacement	No	6/7/2011	6/8/2011
1871312-05	B	ND	NA	Valve 1ND-03	Replacement	No	6/7/2011	6/8/2011
1871315-05	B	ND	NA	Valve 1ND-38	Replacement	No	6/7/2011	6/7/2011
1871316-05	B	ND	NA	Valve 1ND-64	Replacement	No	6/7/2011	6/7/2011
1938703-08	B	SV	NA	1SV-19 Disc Assembly	Replacement	No	6/7/2011	6/7/2011
1980628-01	B	KC	NA	Valve 1KC-340	Replacement	No	6/8/2011	6/13/2011
1938987-01	B	CA	NA	1CA-065 Bolting	Replacement	No	6/9/2011	6/13/2011
1938330-03	B	NV	NA	1-R-NV-1756	Replacement	No	6/9/2011	6/13/2011
1854409-46	B	NV	NA	1-R-NV-2226/1368	Replacement	No	6/14/2011	6/16/2011
1937231-04	B	KC	NA	1-R-KC-1216	Replacement	No	6/14/2011	6/20/2011

1887262-05	B	CA	NA	1-R-CA-1682	Replacement	No	6/14/2011	6/16/2011
1938331-02	B	NV	NA	1-R-NV-1757	Replacement	No	6/14/2011	6/16/2011
1871326-07	B	NV	NA	Valve 1NV-223	Replacement	No	6/14/2011	6/15/2011
1831181-57	B	NV	EC94576	1-R-NV-1121 thru 1126/2225	Replacement	No	6/15/2011	7/12/2011
1918201-01	B	SM	NA	1-SM-FE-5760 Bolting	Replacement	No	6/20/2011	6/20/2011
1871313-08	B	ND	NA	Valve 1ND-031	Replacement	No	7/5/2011	7/13/2011
1837614-03	B	NV	NA	Valve 1NV-151	Replacement	No	7/5/2011	7/13/2011
1913814-03	B	NV	NA	Valve 1NV-14	Replacement	No	7/5/2011	7/13/2011
1913434-08	B	NV	NA	1NV202B Bonnet/Disc Assembly	Replacement	No	7/5/2011	7/13/2011
1896396-01	B	NV	NA	Excess Letdown HX Bolting	Replacement	No	7/19/2011	7/20/2011
1880260-07	B	NV	NA	Valve 1NV-87	Replacement	No	7/25/2011	8/1/2011
1909843-08	B	NV	EC98706	NV Piping	New	No	7/25/2011	7/27/2011
1939455-14	B	SM	NA	SG D Hand Hole Cover Bolting	Replacement	No	7/26/2011	8/8/2011
1909862-06	B	NV	NA	NV Piping	Replacement	No	7/26/2011	8/1/2011
1871327-06	B	NV	NA	Valve 1NV-273	Replacement	No	7/28/2011	7/28/2011
1982206-01	B	YV	NA	Valve 1VY-16	Replacement	No	7/28/2011	7/28/2011
1940590-01	B	ND	NA	RHR Pump B Mech. Seal	Replacement	No	7/28/2011	7/28/2011
1938333-02	B	KC	EC103594	1-R-KC-1293	Replacement	No	8/1/2011	8/2/2011
1850763-04	B	NV	NA	1NV-235	Replacement	No	8/8/2011	8/11/2011
1831181-22	B	NV	EC94576	Valve 1NV-39A	Replacement	No	8/8/2011	8/9/2011
1854409-21	B	NV	EC94576	Valve 1NV-32B	Replacement	No	8/8/2011	8/10/2011

FORM NIS-2 OWNER'S REPORT [illegible] REPAIR/REPLACEMENT ACTIVITY

As Required by the Provisions of the ASME Code Section XI

1. Owner Duke Energy Carolinas, LLC — Date 3/17/2010

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 1912777-03 (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)
Weld Repair	Duke Energy Corp.	C-1NC	126	Weld 1NC24-36	2010	Installed	Yes

7. Description of Work Replaced Component/Part/Appurtenance

Additional Description _____

8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operation Pressure ☑ Exempt ☐ Other ☐ Pressure 2220 PSI Test Temp. 553 °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: 2.5 in. (nominal) System Class: ASME Class 1

Weld Isometric Drawing No(s).: CN-1NC24

Flow Diagram No(s).: CN 1553-1.0

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

Other Applicable Information (e.g., W.O. No., EC No.) if not included elsewhere on NIS-2 Form: PIP C-10-1020

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 [signature] Tech Spec II Date 3/17, 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 2-23-10 to 3-17-10, 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.

[signature] Commissions SC 233 INA

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

Date 3-17, 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 6/7/2011

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 1939246-10 (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)
Bolting	NA	NA	NA	1NC287-MJ1, MJ2	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: 3" in. (nominal) System Class: ASME Class 1

Weld Isometric Drawing No(s).: CN-1NC287

Flow Diagram No(s).: CN 1553-1.0

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 Paul S L Smith Tech Spec. II Date 6/7, 20 11

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 5-27-11 to 6-9-11, 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 Smith Commissions NB12410 IN A SC233

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

Date 6-9, 2011

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 6/14/2011

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 1938329-03 (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 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)
Bolting/Plate	NA	NA	NA	1-R-NV-1468	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: 2" 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-NV-1468

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 Robert L Scott Tech Spec. II Date 6/14, 20 11

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 3-9-11 to 6-16-11, 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 Smith Commissions NB12410 INA SC233

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

Date 6-16, 20 11

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 6/14/2011

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 1939241-05 (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-02871	NA	1NC-001	1980	Removed	Yes
Valve	Dresser	BS-02866	NA	1NC-001	1972	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 6/14, 20 11

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 4-28-11 to 6-15-11, 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 Wentt Commissions NB 12410 IN SC233

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

Date 6-15, 20 11

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 6/14/2011

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 1939243-05 (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	DA-20661	NA	1NC-003	2009	Removed	Yes
Valve	Dresser	BS-02870	NA	1NC-003	1980	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 D L Smith Tech Spec. II Date 6/14, 20 11

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 4/26/11 to 6-15-11, 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 Whitt Commissions NB 12410 E NA SC233

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

Date 6-15, 20 11

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 6/14/2011

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 1939242-05 (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-2872	NA	1NC-002	1976	Removed	Yes
Valve	Dresser	BS-2868	NA	1NC-002	1979	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 6/14, 20 11

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 6-2-11 to 6-15-11, 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 Whitehurst Commissions NB12410 INA SC233

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

Date 6-15, 20 11

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 7/21/2011

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 1940993-02 (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)
Bolting	NA	NA	NA	1-R-NV-1548	NA	Installed	Yes
Welds	Duke Energy	C-1NV	127	1-R-NV-1548	2011	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: EC 104527

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 7/21, 20 11

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 3-9-11 to 7-21-11, 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 NB12410 INS SC233

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

Date 7-21-11, 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 7/21/2011

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 1940994-08 (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 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	NV System Piping	1984	Installed	Yes

7. Description of Work Replaced Component/Part/Appurtenance

Additional Description _____

8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operation Pressure ☑ Exempt ☐ Other ☐ Pressure 2350 PSI Test Temp. 97.4 °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: 1.5 in. (nominal) System Class: ASME Class 1

Weld Isometric Drawing No(s).: CN-1NV487

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: EC 104527

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 7/20, 2011

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 5-3-11 to 7-26-11, 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 Douthit Commissions NB12410 INA SC233

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

Date 7-26, 2011

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 8/1/2011

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 1938324-03 (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 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)
Support	Duke Energy	C-1NV	127	1-R-NV-1466	1984	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: 1.5 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: EC 103554

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 [signature] Tech Spec. II Date 8/1, 20 11

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 3-9-11 to 8-2-11, 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.

[signature] Commissions NB 12410 I NA SC 233

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

Date 8-2, 20 11

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 7/26/2011

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 1895763-06 (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 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)
Seal Weld	Duke Energy	C-1NV	127	Valve 1NV-82	2011	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: 2" 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 [signature] Tech Spec. II Date 7/26, 2011

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 7-26-11 to 7-26-11, 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.

[signature] Commissions NB 12410 INA SC233

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

Date 7-26-11, 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 8/1/2011

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 1938327-03 (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 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)
Support	Duke Energy	C-1NV	127	1-R-NV-1467	1984	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: 1.5 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: EC 103554

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 8/1, 20 11

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 3-9-11 to 8-2-11, 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 [illegible] Commissions NB 12410 E NA SC237

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

Date 8-2, 20 11

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 8/8/2011

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 1930386-06 (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 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)
Seal Weld	Duke Energy	C-1NC	126	1NCTW5870	2011	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).: CN-1NC22

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 A Smith Tech Spec. II Date 8/8, 20 11

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 4-18-11 to 8-11-11, 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 NB 12410 INA SC237

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

Date 8-11, 20 11

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 8/8/2011

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 1930458-06 (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 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)
Seal Weld	Duke Energy	C-1NC	126	1NCTW5920	2011	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).: CN-1NC23

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 STA Tech Spec. II Date 8/8, 20 11

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 4-18-11 to 8-11-11, 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 NB 12410 IA/A SC233

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

Date 8-11, 20 11

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 8/8/2011

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 1930434-06 (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 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)
Seal Weld	Duke Energy	C-1NC	126	1NCTW5900	2011	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).: CN-1NC25

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 [signature] Tech Spec II Date 8/8, 20 11

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 4-18-11 to 8-11-11, 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.

[signature] Commissions NB 12410 INA SC237

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

Date 8-11, 20 11

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 8/11/2011

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 1899931-01

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 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)
Internal Assembly	Westinghouse	1-1162E51-G01	NA	NCP 1A	1077	Removed	Yes
Internal Assembly	Westinghouse	9-1162E51-G04	NA	NCP 1A	2011	Installed	Yes
Flange Bolt	Westinghouse	NA	NA	NCP-1A	NA	Installed	Yes

7. Description of Work Replaced Component/Part/Appurtenance

Additional Description

8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operation Pressure ☑ Exempt ☐ Other ☐ Pressure 2248 PSI Test Temp. 557 °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 [signature] Tech Spec. II Date 8/11, 2011

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 6-2-11 to 8-15-11, 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.

[signature] Commissions NB 12410 INA SC 233

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

Date 8-15, 2011

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 5/6/2011

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 1939413-25 (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 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	2661	NA	1-R-SM-1539	1978	Removed	Yes
Snubber	PSA	13132	NA	1-R-SM-1539	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: 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).: 1-R-SM-1539

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 Sita Tech Spec. II Date 5/6, 20 11

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 4-31-11 to 7-19-11, 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 Whitt Commissions NB 12410 INA SC 233

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

Date 7-19, 20 11

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 5/11/2011

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 1940133-03 (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 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)
Bolting	NA	NA	NA	S/R 1-R-ND-0504	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: 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).: 1-R-ND-0504

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 Stt Tech Spec. II Date 5/11, 20 11

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 5-5-11 to 7-19-11, 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 Outlaw Commissions NB 12410 I NA SC233

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

Date 7-19, 20 11

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 5/20/2011

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 Work Order 1852349-01

Address

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 Disc	Westinghouse	1819-1308C60-G01-3	NA	Valve 1NV-200	NA	Removed	Yes
Valve Disc	Westinghouse	RP-2013	NA	Valve 1NV-200	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 [signature] Tech Spec. II Date 5/20, 20 11

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 5-11-11 to 5-19-11, 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.

[signature] Commissions NB12410 INA SC233

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

Date 7-19, 20 11

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 5/23/2011

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 1939413-21 (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)
Snubber	PSA	12872	NA	1-A-NV-8503	1980	Removed	Yes
Snubber	PSA	43026	NA	1-A-NV-8503	2006	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: 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).: 1-A-NV-8503

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 5/23, 20 11

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 5-12-11 to 7-18-11, 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 Smith Commissions NB 12410 INA SC233

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

Date 7-18, 20 11

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 5/25/2011

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 1939834-03 (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 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)
Bolting	NA	NA	NA	1-R-ND-0510	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).: 1-R-ND-0510

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 5/25/11, 20 11

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 5-13-11 to 6-6-11, 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 Corbett Commissions NB12410 ENA SC233

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

Date 6-6, 20 11

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 5/31/2011

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 1938350-03 (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 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	TD89439	478	1NI-161	1978	Removed	Yes
Valve	Dresser	TN08111	1981	1NI-161	2003	Installed	Yes

7. Description of Work Replaced Component/Part/Appurtenance

Additional Description _____

8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operation Pressure ☑ Exempt ☐ Other ☐ Pressure 1500 PSI Test Temp. 91.5 °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: 1.5 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 5/31, 20 11

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 5-23-11 to 6-3-11, 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 Wentt Commissions NB 12410 I NB SC 233

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

Date 6-3, 20 11

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 5/31/2011

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 1938349-06 (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 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	TG80181	1893	1NI-102	1986	Removed	Yes
Valve	Dresser	TD89433	429	1NI-102	1978	Installed	Yes

7. Description of Work Replaced Component/Part/Appurtenance

Additional Description _____

8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operation Pressure ☑ Exempt ☐ Other ☐ Pressure 165 PSI Test Temp. 91.5 °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: 1.5 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 [signature] Tech Spec. II Date 5/31, 20 11

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 5-23-11 to 6-3-11, 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.

[signature] Commissions NB 12410 ENA SC 233

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

Date 6-3, 20 11

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 5/31/2011

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 1871323-06 (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 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	TH38275	1941	1NI-151	1989	Removed	Yes
Valve	Dresser	TN08112	1982	1NI-115	2003	Installed	Yes

7. Description of Work Replaced Component/Part/Appurtenance

Additional Description _____

8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operation Pressure ☑ Exempt ☐ Other ☐ Pressure 1500 PSI Test Temp. 91.5 °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: 1.5 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 [signature] Tech Spec. II Date 5/31, 20 11

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 5-23-11 to 6-3-11, 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.

[signature] Commissions NB12410 INA SC 233

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

Date 6-3, 20 11

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 5/31/2011

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 1935821-06 (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 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	TD 89437	78	1NI-119	1978	Removed	Yes
Valve	Dresser	TN 08110	1980	1NI-119	2003	Installed	Yes

7. Description of Work Replaced Component/Part/Appurtenance

Additional Description _____

8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operation Pressure ☑ Exempt ☐ Other ☐ Pressure 1500 PSI Test Temp. 91.5 °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: 1.5" 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 5/31, 20 11

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 5-23-11 to 6-3-11, 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 Smith Commissions NB 12410 INA SC 233

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

Date 6-3, 20 11

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 5/31/2011

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 1983221-01 (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)
Valve Disc	Kerotest	NA	NA	Valve 1NV-79	NA	Removed	No
Valve Disc	Kerotest	56539-245	NA	Valve 1NV-79	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: 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 Sta Tech Spec. II Date 5/31, 20 11

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 5-25-11 to 6-3-11, 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 NB 12412 INA SC 233

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

Date 6-3, 20 1

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 5/31/2011

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 1887263-05 (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 CA- Auxiliary Feedwater 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)
Extension Assembly	NA	NA	NA	1-R-CA-1686	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).: 1-R-CA-1686

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 5/31, 20 11

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 5-19-11 to 6-3-11, 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 Austin Commissions NB 12410 ENI SC237

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

Date 6-3, 20 11

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 6/7/2011

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 1940989-02 (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)
Bolting/Pivot Pin	NA	NA	NA	1-R-NV-1758	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: 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).: 1-R-NV-1758

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 6/7, 20 11

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 5-17-11 to 6-8-11, 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 Outlaw Commissions ND12410 INA SC237

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

Date 6-8, 20 11

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 6/7/2011

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 1871312-05 (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 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)
Valve	Dresser	TD89407	412	1ND-03	1978	Removed	Yes
Valve	Dresser	TN16306	1984	1ND-03	2003	Installed	Yes

7. Description of Work Replaced Component/Part/Appurtenance

Additional Description _____

8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operation Pressure ☑ Exempt ☐ Other ☐ Pressure 350 PSI Test Temp. 125 °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 2

Weld Isometric Drawing No(s).: NA

Flow Diagram No(s).: CN 1561-1.1

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 Seth Tech Spec. II Date 6/7, 20 11

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 5-8-11 to 6-8-11, 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 NB 12410 INA SC 233

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

Date 6-8, 20 11

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 6/7/2011

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 1871315-05 (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 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)
Valve	Dresser	TD89408	423	1ND-38	1978	Removed	Yes
Valve	Dresser	TN16305	1979	1ND-38	2003	Installed	Yes

7. Description of Work Replaced Component/Part/Appurtenance

Additional Description _____

8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operation Pressure ☑ Exempt ☐ Other ☐ Pressure 349 PSI Test Temp. 127 °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 2

Weld Isometric Drawing No(s).: NA

Flow Diagram No(s).: CN 1561-1.1

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 6/7, 2011

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 5-8-11 to 6-7-11, 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 Walthall Commissions NB 12410 INA SC 233

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

Date 6-7, 20 11

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 6/7/2011

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 1871316-05 (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 ND- Residual Heat Removal 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	TD89410	310	1ND-64	1978	Removed	Yes
Valve	Dresser	TN10966	1978	1ND-64	2003	Installed	Yes

7. Description of Work Replaced Component/Part/Appurtenance

Additional Description _____

8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operation Pressure ☑ Exempt ☐ Other ☐ Pressure 513 PSI Test Temp. 122 °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 2

Weld Isometric Drawing No(s).: NA

Flow Diagram No(s).: CN 1561-1.1

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 [signature] Tech Spec. II Date 6/7, 2011

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 5-8-11 to 6-7-11, 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 Douthit Commissions NB 12410 INA SC 237

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

Date 6-7, 2011

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 6/7/2011

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 1938703-08 (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 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)
Disc Assembly	CCI	NA	NA	1SV-019	NA	Removed	Yes
Disc Assembly	CCI	2	NA	1SV-019	2008	Installed	Yes

7. Description of Work

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: 10" 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 6/7, 20 11

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 5-19-11 to 6-7-11, 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 Austin Commissions NB 12410 2 NA SC 233

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

Date 6-7, 20 11

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 6/8/2011

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 1980628-01 (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 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	Anderson Greenwood	22767	1590	1KC-340	1985	Removed	Yes
Valve	Anderson Greenwood	N-22768	1591	1KC-340	1985	Installed	Yes

7. Description of Work Replaced Component/Part/Appurtenance

Additional Description _____

8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operation Pressure ☑ Exempt ☐ Other ☐ Pressure 108 PSI Test Temp. 77 °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: 8" 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 [signature] Tech Spec II Date 6/8, 2011

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 5-29-11 to 6-13-11, 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.

[signature] Commissions NB12410 I NA SC 233

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

Date 6-13, 2011

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 6/9/2011

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 1938987-01 (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 CA- Auxiliary Feedwater 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)
Bolting	NA	NA	NA	1CA-065	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: 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 L Smith Tech Spec. II Date 6/9, 20 11

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 6-13-11 to 6-13-11, 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 Outlaw Commissions NB12410 INA SC233

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

Date 6-13, 20 11

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 6/9/2011

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 1938330-03 (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 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)
Bolting/Tubesteel	NA	NA	NA	1-R-NV-1756	NA	Corrected	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).: 1-R-NV-1756

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 6/9, 20 11

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 5-17-11 to 6-13-11, 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 [illegible] Commissions NB12410 I NA SC 233

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

Date 6-13, 20 11

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 6/14/2011

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 1854409-46 (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)
Welds	Duke Energy	C-1NV	127	1-R-NV-2226 1-R-NV-1368	2011	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: 3" in. (nominal) System Class: ASME Class 2

Weld Isometric Drawing No(s).: NA

Flow Diagram No(s).: NA

Support/Restraint Sketch/Drawing No(s).: 1-R-NV-2226 1-R-NV-1368

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 6/14, 20 11

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 2-23-11 to 6-16-11, 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 NB12410 INA SC233

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

Date 6-16, 20 11

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 6/14/2011

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 1937231-04 (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 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)
Welds	Duke Energy	C-1KC	129	1-R-KC-1216	2011	Installed	Yes
Bolting/Plate	NA	NA	NA	1-R-KC-1216	NA	Installed	No
Flat Bar							

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: 1.5" in. (nominal) System Class: ASME Class 2

Weld Isometric Drawing No(s).: NA

Flow Diagram No(s).: NA

Support/Restraint Sketch/Drawing No(s).: 1-R-KC-1216

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 6/14, 20 11

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 5-17-11 to 6-20-11, 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 NB 12410 I NA SC233

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

Date 6-20, 20 11

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 6/14/2011

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 1887262-05 (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 CA- Auxiliary Feedwater 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)
Welds	Duke Energy	C-1CA	121	1-R-CA-1682	2011	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: 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).: 1-R-CA-1682

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 Sta Tech Spec. II Date 6/14, 20 11

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 5-4-11 to 6-16-11, 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 Outlaw Commissions NB 12410 INA SC233

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

Date 6-16, 20 11

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 6/14/2011

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 1938331-02 (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)
TubeSteel/Flat Bar	NA	NA	NA	1-R-NV-1757	NA	Installed	No
Plate							

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: 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).: 1-R-NV-1757

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 6/14, 20 11

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 3-9-11 to 6-16-11, 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 Duthie Commissions NB 12410 I NA SC 233

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

Date 6-16, 20 11

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 6/14/2011

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 1871326-07 (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	TD89548	475	1NV-223	1978	Removed	Yes
Valve	Dresser	TJ99386	1964	1NV-223	1994	Installed	Yes

7. Description of Work Replaced Component/Part/Appurtenance

Additional Description _____

8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operation Pressure ☑ Exempt ☐ Other ☐ Pressure 32.2 PSI Test Temp. 97.1 °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: 6 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 [signature] Tech Spec. II Date 6/14, 2011

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 5-8-11 to 6-15-11, 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.

[signature] Commissions NB12410 INA SC233

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

Date 6-15, 2011

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 6/15/2011

526 South Church Street, Charlotte, NC, 28201 (Address) — Sheet 1 of 3

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

4800 Concord Rd. York, S.C. 29745 (Address) — Work Order 1831181-57 (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)
Welds	Duke Energy	C-1NV	127	1-R-NV-1124/1125/2225/	2011	Installed	Yes
				1135/1123/1121/1126/1046			
Bolting	NA	NA	NA	1-R-NV-2225	NA	Installed	No
Sway Strut	Anvil	41-83359	NA	1-R-NV-2225	2008	Installed	Yes
Sway Strut	Grinnell	6648	NA	1-R-NV-1121	1978	Removed	Yes
Sway Strut	Anvil	41-91880	NA	1-R-NV-1121	2009	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

1. Owner Duke Energy Carolinas, LLC — Date 6/15/2011

526 South Church Street, Charlotte, NC, 28201 (Address) — Sheet 2 of 3

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

4800 Concord Rd. York, S.C. 29745 (Address) — Work Order 1831181-57 (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)
U Bolt	NA	NA	NA	1-R-NV-1121/1126	NA	Installed	No
Sway Strut	Grinnell	6949	NA	1-R-NV-1126	1978	Removed	Yes
Sway Strut	Anvil	41-91880	NA	1-R-NV-1126	2009	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 3 of 3

Component Line Size: 3" in. (nominal) System Class: ASME Class 2

Weld Isometric Drawing No(s).: NA

Flow Diagram No(s).: 1-R-NV-1121/1126/1125/1124/2225

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

Other Applicable Information (e.g., W.O. No., EC No.) if not included elsewhere on NIS-2 Form: EC 94576

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 [signature] Tech Spec. II Date 6/15, 20 11

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 2-23-11 to 7-12-11, 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.

[signature] Commissions NB 12410 INA SC 233

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

Date 7-12, 20 11

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 6/20/2011

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 1918201-01 (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 SM- Main Steam 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	1-SM-FE-5760	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: 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 Walter L Smith Tech Spec. II Date 6/20, 20 11

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 6-13-11 to 6-20-11, 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 Outlaw Commissions NB 12410 I NA SC 233

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

Date 6-20, 20 11

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 7/5/2011

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 1871313-08 (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)
Valve	Dresser	TG33992	1881	1ND-031	1984	Removed	Yes
Valve	Dresser	TN10967	1977	1ND-031	2003	Installed	Yes

7. Description of Work Replaced Component/Part/Appurtenance

Additional Description _____

8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operation Pressure ☑ Exempt ☐ Other ☐ Pressure 488 PSI Test Temp. 158 °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 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:

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 A Sth Tech Spec. II Date 7/5, 20 11

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 5-31-11 to 7-13-11, 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 Outlet Commissions NB 12410 INA SC 233

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

Date 7-13, 20 11

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 7/5/2011

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 1837614-03 (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 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	TJ17825	1955	1NV-151	1992	Removed	Yes
Valve	Dresser	TH41668	1943	1NV-151	1989	Installed	Yes

7. Description of Work Replaced Component/Part/Appurtenance

Additional Description _____

8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operation Pressure ☑ Exempt ☐ Other ☐ Pressure 350 PSI Test Temp. 100 °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).: 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:

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 STA Tech Spec. II Date 7/5, 20 11

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 6-2-11 to 7-13-11, 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 Arthur Commissions NB12410 I N A SC233

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

Date 7-13, 2011

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 7/5/2011

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 1913814-03 (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 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	TJ18506	1953	1NV-14	1992	Removed	Yes
Valve	Dresser	TG80190	1906	1NV-14	1986	Installed	

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. 254 °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).: 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 7/5, 20 11

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 6-2-11 to 7-13-11, 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 C Outlaw Commissions NB 12410 I NA SC 233

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

Date 7-13, 20 11

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 7/5/2011

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 1913434-08 (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 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)
Bonnet	Kerotest	S/N 2	NA	1NV202B	NA	Installed	Yes
Disc Assembly	Kerotest	S/N 2	NA	1NV202B	NA	Installed	Yes

7. Description of Work Replaced Component/Part/Appurtenance

Additional Description _____

8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operation Pressure ☑ Exempt ☐ Other ☐ Pressure 2389 PSI Test Temp. 97.4 °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).: 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. IV Date 7/5, 20 11

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 5-11-11 to 7-13-11, 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 Outlaw Commissions NB 12440 INA SC 233

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

Date 7-13-, 20 11

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 7/20/2011

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 1896396-01 (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)
Bolting	NA	NA	NA	Excess Letdown HX	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 S Stott Tech Spec. II Date 7/19, 20 11

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 5-18-11 to 7-20-11, 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 Smith Commissions NB 12440 I NA SC233

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

Date 7-20, 20 11

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 7/25/2011

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

2. Plant Catawba Nuclear Station (Name) — Unit 1 QC 8/23/11

4800 Concord Rd. York, S.C. 29745 (Address) — Work Order 1880260-07 (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)
Valve	Dresser	TD-89402	NA	1NV-87	1978	Removed	Yes
Valve	Dresser	TH-38800	NA	1NV-87	1990	Installed	Yes

7. Description of Work Replaced Component/Part/Appurtenance

Additional Description _____

8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operation Pressure ☑ Exempt ☐ Other ☐ Pressure 57 PSI Test Temp. 173 °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).: 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 [signature] Tech Spec. II Date 7/25, 2011

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 8-1-11 to 8-1-11, 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.

[signature] Commissions NB12410 INA SC233

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

Date 8-1, 2011

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 7/25/2011

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 1909843-08 (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 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	NV System Piping	1984	Installed	Yes
Valve	BNL	A090906-1-1	NA	1NVA86	2010	Installed	Yes
Valve	BNL	A070913-4-4	NA	1NVA88	2008	Installed	Yes

7. Description of Work Add New Component/Part/Appurtenance/Weld

Additional Description _____

8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operation Pressure ☑ Exempt ☐ Other ☐ Pressure 350 PSI Test Temp. 99 °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-1NV326, CN-1NV307

Flow Diagram No(s).: CN 1554-1.6

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 A. Scott Tech Spec II Date 7/25, 20 11

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 1-25-11 to 7-27-11, 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 Austin Commissions NB 12410 I NA SC233

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

Date 7-27-11, 20 11

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 7/27/2011

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 1939455-14 (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 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	SG D Hand Hole Cover	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 A Sth Tech Spec. II Date 7/26, 20 11

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 5-17-11 to 8-8-11, 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 Outlaw Commissions SC 237 NB 12410 INA

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

Date 8-8, 20 11

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 7/27/2011

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 1909862-06 (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	NV System Piping	1984	Installed	Yes

7. Description of Work Replaced Component/Part/Appurtenance

Additional Description _____

8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operation Pressure ☑ Exempt ☐ Other ☐ Pressure 44 PSI Test Temp. 1605 °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: 1.5" 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 E Smith Tech Spec II Date 7/26, 20 11

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 2-19-11 to 8-1-11, 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 Authst Commissions NB 12460 INA SC233

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

Date 8-1, 20 11

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 7/28/2011

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 1871327-06 (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 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	TG 80200	1915	1NV-273	1986	Removed	Yes
Valve	Dresser	TG 33977	1835	1NV-273	1984	Installed	Yes

7. Description of Work Replaced Component/Part/Appurtenance

Additional Description _____

8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operation Pressure ☑ Exempt ☐ Other ☐ Pressure 42 PSI Test Temp. 85.5 °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 Sott Tech Spec. II Date 7/28, 2011

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 5-5-11 to 7-28-11, 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 Dentel Commissions NB 12410 INA SC233

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

Date 7-28, 20 11

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 7/28/2011

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 1982206-01 (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 VY- Containment H2 Sample and Purge

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-1VY	108	VY System Piping	1984	Installed	Yes
Valve	Pacific	0205-0-150	201	1VY-16	1980	Removed	Yes
Valve	Anderson/Greenwood	1V98331-00-0007	NA	1VY-16	2010	Installed	Yes

7. Description of Work Replaced Component/Part/Appurtenance

Additional Description _____

8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operation Pressure ☑ Exempt ☐ Other ☐ Pressure 15.5 PSI Test Temp. 58.3 °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).: 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 Robert L Smith Tech Spec. II Date 7/28, 20 11

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 5-17-11 to 7-28-11, 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 C Outlaw Commissions NB12410 SC233

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

Date 7-28, 20 11

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 7/28/2011

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 1940590-01 (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 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)
Mechanical Seal	Ingersoll Rand	77647	NA	RHR Pump "B"	NA	Removed	Yes
Mechanical Seal	Ingersoll Rand	79637	NA	RHR Pump "B"	NA	Installed	Yes

7. Description of Work Replaced Component/Part/Appurtenance

Additional Description _____

8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operation Pressure ☑ Exempt ☐ Other ☐ Pressure 220 PSI Test Temp. 77 °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 7/28, 2011

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 5-2-11 to 7-28-11, 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 Outlaw Commissions NB 12410 IVA SC233

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

Date 7-28, 2011

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 8/1/2011

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 1938333-02 (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 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)
Support	Duke Energy	C-1KC	129	1-R-KC-1293	1984	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: 1.5 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: EC 103594

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 8/1, 20 11

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 3-9-11 to 8-2-11, 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 Walters Commissions NB12410 INS SC233

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

Date 8-2, 20 11

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 8/8/2011

526 South Church Street, Charlotte, NC, 28201 (Address) — Sheet 1 of 12

8/23/11

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

4800 Concord Rd. York, S.C. 29745 (Address) — Work Order 1850763-04 (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	TG80174	1927	1NV-235	1986	Removed	Yes
Valve	Dresser	TE03781	576	1NV-235	1978	Installed	Yes
Bolting	NA	NA	NA	1NV-235	NA	Installed	No

7. Description of Work Replaced Component/Part/Appurtenance

Additional Description _____

8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operation Pressure ☑ Exempt ☐ Other ☐ Pressure 32 PSI Test Temp. 97.1 °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: 1.5" 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 A Scott Tech Spec II Date 8/8, 20 11

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 5-10-11 to 8-11-11, 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 Outlaw Commissions NB 12410 TNA SC233

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

Date 8-11, 20 11

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 8/8/2011

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 1831181-22 (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)
Pipe/Fittings	Duke Energy	C-1NV	127	NV System Piping	1984	Installed	Yes
Valve	Weir Valve	2-54401-A	NA	1NV-39A	2009	Installed	Yes

7. Description of Work Replaced Component/Part/Appurtenance

Additional Description Old valve re-tagged as 1NVA85

8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operation Pressure ☑ Exempt ☐ Other ☐ Pressure 2358 PSI Test Temp. 490 °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: 3" in. (nominal) System Class: ASME Class 2

Weld Isometric Drawing No(s).: CN-1NV-196 CN 1491-NV045

Flow Diagram No(s).: CN 1554-1.0

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: EC 94576

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 [signature] Tech Spec. II Date 8/8, 20 11

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 2-14-11 to 8-9-11, 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.

[signature] Commissions NB 12410 INA SC233

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

Date 8-9-, 20 11

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 8/8/2011

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 1854409-21 (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)
Pipe/Fittings	Duke Energy	C-1NC	127	NV System Piping	1984	Installed	Yes
Valve	Weir Valve	1-54401-A	NA	1NV-32B	2009	Installed	Yes

7. Description of Work Replaced Component/Part/Appurtenance

Additional Description Old valve re-tagged as 1NVA84

8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operation Pressure ☑ Exempt ☐ Other ☐ Pressure 2358 PSI Test Temp. 490 °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: 3" in. (nominal) System Class: ASME Class 2

Weld Isometric Drawing No(s).: CN-1NV-308 CN 1491-NV040

Flow Diagram No(s).: CN 1554-1.0

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: EC 94576

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 [signature] Tech Spec. II Date 8/8, 2011

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 2-14-11 to 8-10-11, 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.

[signature] Commissions NB 12410 INA SC233

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

Date 8-10, 2011

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-18 through refueling outage EOC-19. 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 EOC19***
B-P	System Leakage Test (IWB-5220)	1
C-H	System Leakage Test (IWC-5220)	5

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	2	100%
C-H	System Leakage Test (IWC-5220)	33	31	93.94%

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 EOC19.

Table 6-3 Detailed Class 1 Listing			
Zone Number	**EOC19 Completion Status**	**EOC19 VT-2 Examination Date**	**Code Case(s) Used**
1NC-001L-A	Complete	6/21/2011	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 (from 6/29/2008 through 6/29/2012).

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	Complete	12/02/2009	N-533-1
15	1NI-004L-B	Complete	12/1/2009	N-533-1
16	1NI-005L-B	Complete	1/22/2009	None
17	1NI-006L-B	Complete	5/20/2011	None
18	1NI-007L-B	Complete	5/23/2011	None
19	1NI-008L-B	Complete	5/23/2011	None
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	Complete	6/21/2011	None
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 Baughman	8/2/11

Section 6 Reviewed By:	Date:
Glen Hudson	8/15/11

Section 6 Approved By:	Date:
	8/16/11

Attachment 2

Catawba Unit 1 End of Cycle 19 Steam Generator Inservice Inspection Summary Report

Steam Generator Outage Summary Report

Catawba Unit 1 2011
Outage EOC 19

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 Corporation
526 South Church St.
Charlotte, N.C. 28201-1006

Revision 0

Prepared By: CB Caruthers Date: 8/15/11

Reviewed By: DBMays Date: 8/23/2011

Approved By: P.W. Benning Date: 8/23/2011

Copy No. 1 Assigned To: NRC

Controlled: X Uncontrolled: _____

Controlled Distribution

Copy No.	Assigned To
Original	Catawba Nuclear Station Document Control Master File CN-208.21
1	NRC Document Control

Uncontrolled Distribution

2	Hartford Steam Boiler Inspection and Insurance Co. (AIA)
Electronic	Steam Generator Desktop

FORM NIS-1 OWNER'S DATA REPORT FOR INSERVICE INSPECTIONS

As required by the Provisions of the ASME Code Rules

1. Owner: Duke Energy Corporation, 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	Manufacturer	Manufacturer Serial No.	State or Province No.	National Board No.
Steam Generator 1A	BWI	770101	N/A	151
Steam Generator 1B	BWI	769304	N/A	150
Steam Generator 1C	BWI	769302	N/A	147
Steam Generator 1D	BWI	769303	N/A	149

Note: Supplemental sheets in 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.

FORM NIS-1 (Back)

8. Examination Dates December 15, 2009 to June 7, 2011

9. Inspection Period Identification: Second

10. Inspection Interval Identification: Third

11. Applicable Edition of Section XI 1998 Addenda 2000

12. Date/Revision of Inspection Plan: June 27, 2005/Rev0; Per CNS Technical Specification

13. Abstract of Examinations and Test. Include a list of examinations and tests and a statement concerning status of work required for the Inspection Plan. Reference attached report.

14. Abstract of Results of Examination and Tests. Reference attached report.

15. Abstract of Corrective Measures. Reference attached report.

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) NA Expiration Date NA

Date Aug 24, 2011 Signed Duke Energy Corp. By CB Cauthen
Owner
CB CAUTHEN

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 of Province of South Carolina employed by *The Hartford Steam Boiler Inspection & Insurance Company of Connecticut have inspected the components described in this Owners' Report during the period 12-15-09 to 8-29-11, and state that to the best of my knowledge and belief, the Owner has performed examinations and tests and taken corrective measures described in the Owners 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, test, and corrective measures described in this Owners' 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 [illegible] Commissions NB 12410 SC INA
Inspector's Signature National Board, State, Province, and Endorsements

Date 8-29 20 11

* The Hartford Steam Boiler Inspection & Insurance Company of Connecticut
200 Ashford Center North
Suite 205
Atlanta, GA. 30338

Catawba 1 EOC17 Steam Generator Tube Inspection Report

Pursuant to ASME Section XI and Catawba technical specification 5.6.8 the following information is provided:

a. **The scope of inspection performed on each SG**

The unit 1 steam generators had an accumulated service life of 11.9 EFPY at the end of cycle 18 and 13.2 EFPY by the end of cycle 19.

Baseline inspection scope shall include full length data acquisition and bobbin coil analysis for all four (4) steam generators as follows.

1) *All tubes with previous indications.*
2) *All tubes surrounding plugged tubes.*
3) *Periphery tubes two rows deep of the hot leg and cold leg (outer perimeter and open lane) with bobbin probe.*
4) *Array probe acquisition and analysis five tube pitches deep on periphery – hot leg, cold leg, and along open lane from top of tubesheet up to the first lattice grid.*
5) *50% random sample of remaining in-service tubes.*

Note: There were 3,836 tubes inspected with bobbin in the A SG, 3,884 in the B SG, 3,863 in the C SG, and 3,822 in the D SG.

Special interest inspection scope shall include data acquisition and array data analysis as follows:

1) *Locations where bobbin coil indications are observed that require further characterization.*
2) *New dent indications.*
3) *Bounding inspections one tube around all PLP indications confirmed with array.*
4) *Ten pairs of periphery tubes in SG 1D, monitoring for evidence of tubes touching. No touching is evident.*

Plug inspection scope shall be as follows:

1) *Visual inspection of all plugs with no anomalies noted.*

b. **Active degradation mechanisms found**

Active degradation found in all four (4) steam generators include wear at support structures and wear from loose objects.

c. **Non-destructive examination techniques utilized for each degradation mechanism**

Bobbin was used to detect wear at support structures. Bobbin and array were used to detect wear from loose objects.

d. **Location, orientation (if linear), and measured sizes (if available) of serviced induced indications**

The complete listing for service induced indications is attached.

e. **Number of tubes plugged during the inspection outage for each active degradation mechanism**

No tubes were found to require plugging.

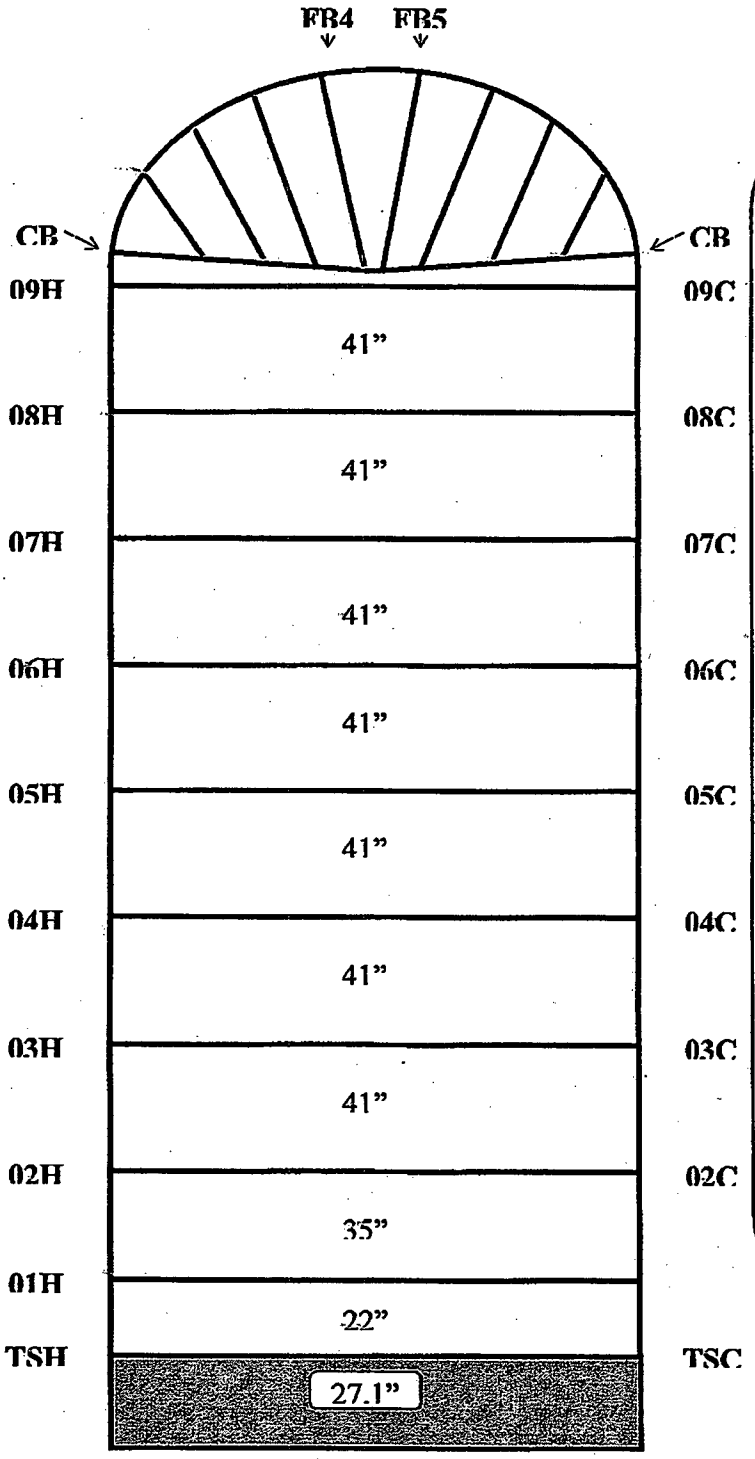
f. **The total number and percentage of tubes plugged to date**

	SG A	SG B	SG C	SG D	Total
Prior to EOC19	8	0	24	17	49
EOC19	0	0	0	0	0
Total	8	0	24	17	49
% Plugged	0.12	0.00	0.36	0.26	0.18

g. **The results of the condition monitoring, including the results of tube pulls and in-situ pressure testing**

Condition Monitoring and Operational Assessments were performed for the Catawba Nuclear Station unit 1 EOC 19 data in accordance with industry standards. The observed tubing degradation at EOC 19 was wear scars at tube support locations and a few instances of shallow wear believed to be from foreign objects. The maximum observed NDE degradation depth at EOC 19 was 28% TW wear at a fan bar location. The present state of degradation of Catawba Unit 1 steam generator tubing does not challenge structural and leakage integrity requirements. No in-situ pressure tests or tube pull were performed.

Additional Information to assist with locations within the SG's.



CFR 80

Tube Information:

No. of Tubes	**6633**
Material:	**Inconel 690**
Nominal Dia.:	**0.688"**
Nominal Wall:	**0.040"**
Row 1 Radius:	**3.973"**
Straight Length:	**31.9'/32.7'**
Tube Pitch:	**.930"**

Tube Support Information

Type:	**Lattice**
Material	**410 Stainless**
Thickness:	
High:	**3.150"**
Med.:	**2.562"**
Low:	**1.000"**

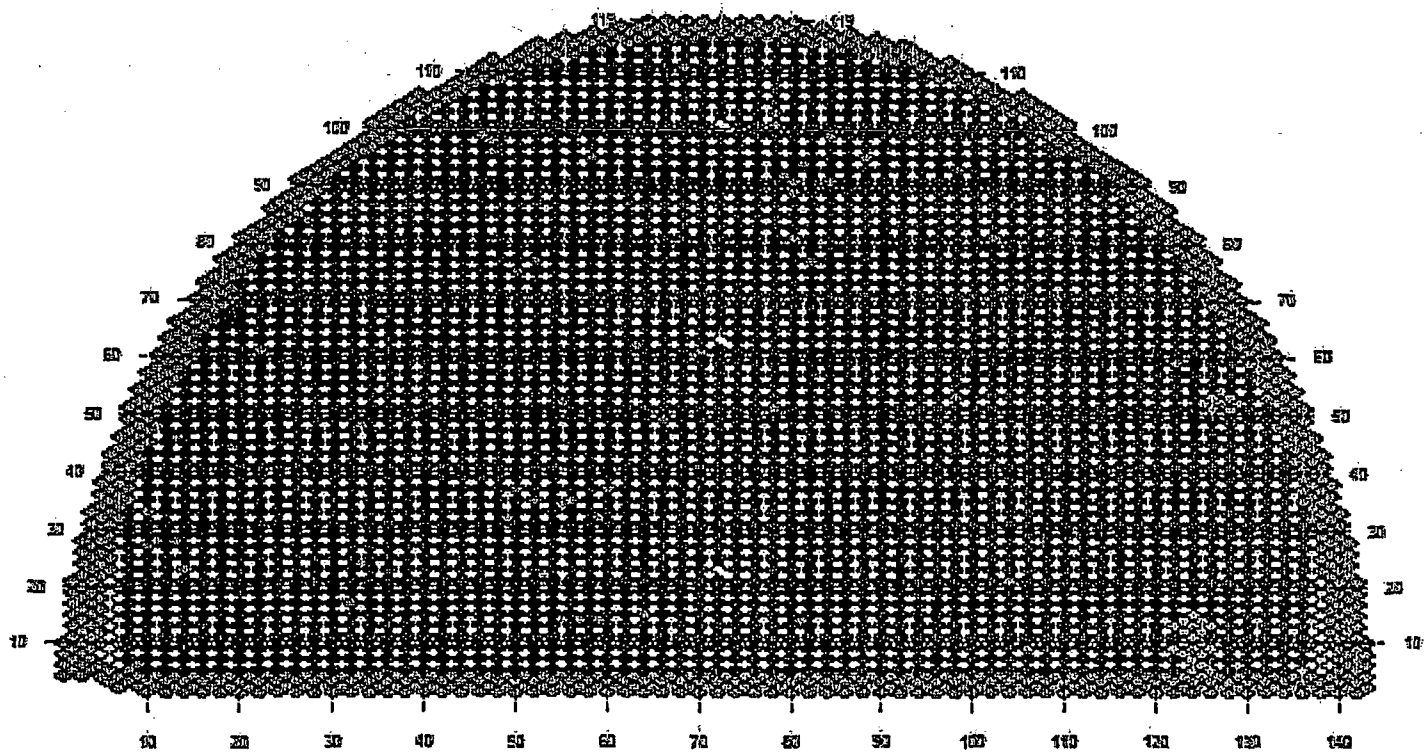
Connector Bar

Material:	**410 Stainless**

Fan Bars

Material:	**410 Stainless**
Thickness	**0.110"**
Width	**1.25"**

Typical Tube Sheet Layout:



These codes are used in the following list of service indications and are provided to assist in reviewing the data.

Code	Description
PCT	Percent Through Wall
NQI	Non-Quantifiable Indication
VOL	Volumetric Indication
NDF	No Defect Found

SG - A SERVICE INDUCED DEGRADATION

Catawba 1 1EOC19 DCP 20110501 08/11/2011 13:32:58

ROW	COL	VOLTS	DEG	IND	PER	CHN	LOCN	INCH1	INCH2	BEGT	ENDT	PDIA	PTYPE	CAL	L
114	63	.17	0	PCT	6	P2	FB7	1.77		TEC	TEH	.560	CBACC	56	H
73	64	.22	0	PCT	8	P2	FB6	-.98		TEC	TEH	.560	CBACC	52	H
109	66	.17	0	PCT	9	P2	FB7	-1.91		TEC	TEH	.560	CBACC	54	H
55	70	.14	0	PCT	7	P2	FB4	-.88		TEC	TEH	.560	CBACC	50	H
55	70	.27	116	VOL		182	FB4	-.88		CBC	CBH	.560	ZYAXP	82	H
61	70	.22	0	PCT	11	P2	FB4	.56		TEC	TEH	.560	CBACC	50	H
89	72	.38	0	PCT	17	P2	FB5	-.12		TEC	TEH	.560	CBACC	52	H
89	72	.37	0	PCT	17	P2	FB6	-.10		TEC	TEH	.560	CBACC	52	H
89	72	.10	94	VOL		122	FB5	-.12		CBC	CBH	.560	ZYAXP	82	H
114	75	.19	0	PCT	10	P2	FB5	1.75		TEC	TEH	.560	CBACC	52	H
51	78	.22	0	PCT	11	P2	01H	-1.87		TEC	TEH	.560	CBACC	50	H
55	78	.11	0	PCT	6	P2	FB4	1.47		TEC	TEH	.560	CBACC	50	H
55	78	.32	158	VOL		190	FB4	1.39		CBC	CBH	.560	ZYAXP	82	H
89	78	.23	0	PCT	11	P2	FB5	-.55		TEC	TEH	.560	CBACC	54	H
101	78	.24	0	PCT	11	P2	FB4	-1.26		TEC	TEH	.560	CBACC	54	H
103	78	.24	0	PCT	11	P2	FB5	-.62		TEC	TEH	.560	CBACC	54	H
92	79	.29	0	PCT	14	P2	FB4	-.57		TEC	TEH	.560	CBACC	52	H
81	80	.17	0	PCT	9	P2	FB7	-.91		TEC	TEH	.560	CBACC	48	H
89	80	.35	0	PCT	14	P2	FB5	-.98		TEC	TEH	.560	CBACC	52	H
91	80	.36	0	PCT	16	P2	FB6	1.27		TEC	TEH	.560	CBACC	52	H
88	81	.16	0	PCT	8	P2	FB5	-1.87		TEC	TEH	.560	CBACC	54	H
90	81	.14	0	PCT	7	P2	FB5	-1.97		TEC	TEH	.560	CBACC	54	H
94	81	.17	0	PCT	8	P2	FB5	-2.13		TEC	TEH	.560	CBACC	54	H
49	82	.20	0	PCT	10	P2	FB2	1.16		TEC	TEH	.560	CBACC	50	H
77	82	.19	0	PCT	10	P2	FB5	-.67		TEC	TEH	.560	CBACC	50	H
102	83	.26	0	PCT	10	P2	FB5	.99		TEC	TEH	.560	CBACC	52	H
102	83	.18	0	PCT	5	P2	FB6	-1.21		TEC	TEH	.560	CBACC	52	H
91	84	.40	0	PCT	18	P2	FB4	-.83		TEH	TEC	.560	ZBAZ1	37	C
100	85	.36	0	PCT	16	P2	FB4	1.27		TEH	TEC	.560	ZBAZ1	37	C
95	86	.20	0	PCT	7	P2	FB4	-1.07		TEH	TEC	.560	ZBAZ1	39	C
95	88	.19	0	PCT	10	P2	FB4	-.40		TEH	TEC	.560	ZBAZ1	37	C
108	93	.19	0	PCT	9	P2	FB5	1.84		TEH	TEC	.560	ZBAZ1	33	C
96	109	.14	0	PCT	5	P2	FB5	1.37		TEH	TEC	.560	ZBAZ1	35	C

| ROW | COL | VOLTS | DEG | IND | PER | CHN | LOCN | INCH1 | INCH2 | BEGT | ENDT | PDIA | PTYPE | CAL | L |

Tubes: 28 Records: 33
ST Max

SG - B SERVICE INDUCED DEGRADATION

Catawba 1 1EOC19 DCP 20110501 08/11/2011 13:51:47

ROW	COL	VOLTS	DEG	IND	PER	CHN	LOCN	INCH1	INCH2	BEGT	ENDT	PDIA	PTYPE	CAL	L
89	60	.20	0	PCT	13	P2	FB5	-.91		TEC	TEH	.560	ZBAZ1	12	H
89	60	.14	0	PCT	10	P2	FB6	-1.00		TEC	TEH	.560	ZBAZ1	12	H
99	62	.23	0	PCT	14	P2	FB5	.75		TEC	TEH	.560	ZBAZ1	12	H
80	63	.19	0	PCT	7	P2	FB5	-1.32		TEC	TEH	.560	ZBAZ1	14	H
80	63			NDF			FB5	-1.32		CBC	CBH	.560	ZYAXP	86	H
100	63	.29	0	PCT	17	P2	FB6	-1.48		TEC	TEH	.560	ZBAZ1	12	H
100	63	.22	0	PCT	14	P2	FB6	1.33		TEC	TEH	.560	ZBAZ1	12	H
95	64	.17	0	PCT	6	P2	FB5	-.75		TEC	TEH	.560	ZBAZ1	14	H
100	67	.10	0	PCT	6	P2	FB4	-.82		TEC	TEH	.560	ZBAZ1	10	H
69	70	.27	0	PCT	15	P2	FB4	1.08		TEC	TEH	.560	ZBAZ1	20	H
91	70	.09	0	PCT	7	P2	FB4	.96		TEC	TEH	.560	ZBAZ1	16	H
91	70	.17	0	PCT	11	P2	FB5	1.05		TEC	TEH	.560	ZBAZ1	16	H
91	70	.33	0	PCT	18	P2	FB6	1.06		TEC	TEH	.560	ZBAZ1	16	H
97	70	.52	0	PCT	25	P2	FB5	-1.38		TEC	TEH	.560	ZBAZ1	16	H
97	70	.14	0	PCT	10	P2	FB5	1.11		TEC	TEH	.560	ZBAZ1	16	H
97	70	.28	0	PCT	16	P2	FB6	-1.00		TEC	TEH	.560	ZBAZ1	16	H
97	70	.17	0	PCT	12	P2	FB6	.84		TEC	TEH	.560	ZBAZ1	16	H
97	70	.14	0	PCT	10	P2	FB8	1.20		TEC	TEH	.560	ZBAZ1	16	H
103	70	.26	0	PCT	13	P2	FB4	-.47		TEC	TEH	.560	ZBAZ1	10	H
117	70	.14	0	PCT	8	P2	FB5	-.66		TEC	TEH	.560	ZBAZ1	10	H
66	73	.24	0	PCT	12	P2	FB5	.72		TEC	TEH	.560	ZBAZ1	20	H
82	75	.20	0	PCT	10	P2	FB4	-1.20		TEC	TEH	.560	ZBAZ1	20	H
96	75	.16	0	PCT	11	P2	FB6	-.72		TEC	TEH	.560	ZBAZ1	16	H
96	75			NDF			FB6	-.72		CBC	CBH	.560	ZYAXP	84	H
95	76	.28	0	PCT	17	P2	FB6	-.75		TEC	TEH	.560	ZBAZ1	16	H
65	80	.45	0	PCT	21	P2	FB4	1.16		TEC	TEH	.560	ZBAZ1	20	H
74	83	.24	0	PCT	11	P2	FB4	1.27		TEC	TEH	.560	ZBAZ1	34	H
82	83	.26	0	PCT	16	P2	FB4	1.21		TEC	TEH	.560	ZBAZ1	36	H
86	83	.25	0	PCT	11	P2	FB4	1.16		TEC	TEH	.560	ZBAZ1	34	H
86	83	.49	0	PCT	18	P2	FB5	1.27		TEC	TEH	.560	ZBAZ1	34	H
98	83	.40	0	PCT	15	P2	FB5	1.05		TEC	TEH	.560	ZBAZ1	14	H
46	89	.35	0	PCT	14	P2	FB5	1.40		TEC	TEH	.560	ZBAZ1	34	H
84	97	.22	0	PCT	13	P2	FB3	1.17		TEC	TEH	.560	ZBAZ1	32	H
84	97			NDF			FB3	1.17		CBC	CBH	.560	ZYAXP	86	H
93	100	.11	141	NQI		P1	07H	.54		TEC	TEH	.560	ZBAZ1	30	H
93	100	.25	0	PCT	10	P46	07H	.54		07H	07H	.560	ZYAXP	86	H

ROW	COL	VOLTS	DEG	IND	PER	CHN	LOCN	INCH1	INCH2	BEGT	ENDT	PDIA	PTYPE	CAL	L
46	7	.08	0	PCT	4	P48	TSH	9.26		01H	TEH	.560	ZYAXP	12	H
46	7	.27	101	VOL		130	TSH	9.44		01H	TEH	.560	ZYAXP	12	H
63	44	.14	0	PCT	7	P2	FB4	-1.77		TEC	TEH	.560	ZBAZ1	42	H
80	51	.18	0	PCT	11	P2	FB3	-2.24		TEC	TEH	.560	CBACC	40	H
79	52	.48	0	PCT	18	P2	FB3	-1.98		TEC	TEH	.560	ZBAZ1	42	H
76	59	.24	0	PCT	12	P2	FB6	-1.74		TEC	TEH	.560	ZBAZ1	46	H
80	59	.24	0	PCT	14	P2	FB5	1.20		TEC	TEH	.560	CBACC	44	H
75	60	.31	0	PCT	16	P2	FB4	-.92		TEC	TEH	.560	CBACC	44	H
75	60	.15	0	PCT	10	P2	FB6	-1.20		TEC	TEH	.560	CBACC	44	H
79	60	.23	0	PCT	11	P2	FB4	-1.15		TEC	TEH	.560	ZBAZ1	42	H
81	60	.11	0	PCT	8	P2	FB6	-.82		TEC	TEH	.560	CBACC	44	H
66	61	.24	0	PCT	14	P2	FB5	1.49		TEC	TEH	.560	CBACC	48	H
72	61	.39	0	PCT	17	P2	FB5	1.77		TEC	TEH	.560	ZBAZ1	46	H
76	61	.27	0	PCT	15	P2	FB5	1.32		TEC	TEH	.560	CBACC	44	H
80	61	.24	0	PCT	11	P2	FB4	.76		TEC	TEH	.560	ZBAZ1	42	H
80	61	.33	0	PCT	13	P2	FB7	1.15		TEC	TEH	.560	ZBAZ1	42	H
86	61	.33	0	PCT	14	P2	FB4	-1.12		TEC	TEH	.560	ZBAZ1	42	H
86	61	.49	0	PCT	18	P2	FB5	-.74		TEC	TEH	.560	ZBAZ1	42	H
73	62	.22	0	PCT	11	P2	FB6	-.63		TEC	TEH	.560	ZBAZ1	46	H
75	62	.39	0	PCT	19	P2	FB4	-1.12		TEC	TEH	.560	CBACC	44	H
79	62	.58	0	PCT	22	P2	FB4	-1.23		TEC	TEH	.560	ZBAZ1	46	H
79	62	.21	0	PCT	10	P2	FB5	.52		TEC	TEH	.560	ZBAZ1	46	H
85	62	.16	0	PCT	10	P2	FB4	-.67		TEC	TEH	.560	CBACC	40	H
85	62	.14	0	PCT	9	P2	FB5	-.65		TEC	TEH	.560	CBACC	40	H
91	62	.22	0	PCT	13	P2	FB4	.59		TEC	TEH	.560	CBACC	40	H
91	62	.21	0	PCT	13	P2	FB5	-.59		TEC	TEH	.560	CBACC	40	H
91	62	.29	0	PCT	16	P2	FB5	.62		TEC	TEH	.560	CBACC	40	H
109	62	.15	0	PCT	10	P2	FB4	-.80		TEC	TEH	.560	CBACC	36	H
94	63	.17	0	PCT	11	P2	FB6	-1.87		TEC	TEH	.560	CBACC	40	H
51	64	.22	0	PCT	10	P2	FB3	1.72		TEC	TEH	.560	ZBAZ1	50	H
85	64	.20	0	PCT	12	P2	FB5	-.77		TEC	TEH	.560	CBACC	44	H
74	65	.19	0	PCT	10	P2	FB4	.69		TEC	TEH	.560	ZBAZ1	46	H
74	65	.29	0	PCT	13	P2	FB5	1.47		TEC	TEH	.560	ZBAZ1	46	H
74	65	.17	0	PCT	9	P2	FB6	-1.86		TEC	TEH	.560	ZBAZ1	46	H
79	66	.10	0	PCT	7	P2	FB8	.90		TEC	TEH	.560	CBACC	44	H
97	66	.41	0	PCT	19	P2	FB5	.75		TEC	TEH	.560	CBACC	40	H
99	66	.36	0	PCT	15	P2	FB5	1.05		TEC	TEH	.560	ZBAZ1	42	H
99	66	.28	0	PCT	13	P2	FB6	.95		TEC	TEH	.560	ZBAZ1	42	H
99	66	.17	0	PCT	8	P2	FB7	.82		TEC	TEH	.560	ZBAZ1	42	H
98	67	.21	0	PCT	13	P2	FB4	1.28		TEC	TEH	.560	CBACC	40	H
98	67	.20	0	PCT	12	P2	FB5	.94		TEC	TEH	.560	CBACC	40	H
98	67	.18	0	PCT	11	P2	FB7	-1.77		TEC	TEH	.560	CBACC	40	H
98	67	.40	0	PCT	19	P2	FB7	1.55		TEC	TEH	.560	CBACC	40	H
108	67	.42	0	PCT	16	P2	FB7	1.36		TEC	TEH	.560	ZBAZ1	42	H
77	68	.22	0	PCT	11	P2	FB6	-.66		TEC	TEH	.560	ZBAZ1	46	H

ROW	COL	VOLTS	DEG	IND	PER	CHN	LOCN	INCH1	INCH2	BEGT	ENDT	PDIA	PTYPE	CAL	L
98	69	.18	0	PCT	11	P2	FB5	1.08		TEC	TEH	.560	CBACC	40	H
102	69	.26	0	PCT	12	P2	FB5	.50		TEC	TEH	.560	ZBAZ1	42	H
102	69	.69	0	PCT	22	P2	FB6	1.56		TEC	TEH	.560	ZBAZ1	42	H
106	69	.23	0	PCT	13	P2	FB6	1.54		TEC	TEH	.560	CBACC	40	H
114	69	.23	0	PCT	10	P2	FB6	1.44		TEC	TEH	.560	ZBAZ1	38	H
93	70	.15	0	PCT	10	P2	FB4	-1.27		TEC	TEH	.560	CBACC	40	H
93	70	.15	0	PCT	10	P2	FB5	-1.76		TEC	TEH	.560	CBACC	40	H
93	70	.14	0	PCT	9	P2	FB5	1.47		TEC	TEH	.560	CBACC	40	H
93	70	.15	0	PCT	10	P2	FB6	.73		TEC	TEH	.560	CBACC	40	H
95	70	.24	0	PCT	11	P2	FB4	-.86		TEC	TEH	.560	ZBAZ1	42	H
95	70	.16	0	PCT	8	P2	FB5	-1.49		TEC	TEH	.560	ZBAZ1	42	H
95	70	.35	0	PCT	15	P2	FB6	.80		TEC	TEH	.560	ZBAZ1	42	H
91	72	.24	0	PCT	10	P2	FB6	-.70		TEH	TEC	.560	ZBAZ1	42	H
95	72	.18	0	PCT	11	P2	FB4	.23		TEC	TEH	.560	CBACC	40	H
95	72	.16	0	PCT	10	P2	FB5	-.03		TEC	TEH	.560	CBACC	40	H
95	72	.17	0	PCT	11	P2	FB6	-.26		TEC	TEH	.560	CBACC	40	H
98	73	.28	0	PCT	13	P2	FB4	-.58		TEC	TEH	.560	ZBAZ1	42	H
98	73	.32	0	PCT	14	P2	FB5	-.86		TEC	TEH	.560	ZBAZ1	42	H
88	75	.13	0	PCT	9	P2	FB5	-1.67		TEC	TEH	.560	CBACC	44	H
96	75	.15	0	PCT	10	P2	FB5	-1.84		TEC	TEH	.560	CBACC	40	H
104	75	.07	0	PCT	5	P2	FB4	-.57		TEC	TEH	.560	CBACC	40	H
75	76	.36	0	PCT	18	P2	FB5	1.49		TEC	TEH	.560	CBACC	48	H
83	76	.80	0	PCT	27	P2	FB5	-.55		TEC	TEH	.560	CBACC	48	H
83	76	.23	0	PCT	13	P2	FB6	-1.32		TEC	TEH	.560	CBACC	48	H
85	76	.88	0	PCT	28	P2	FB5	-1.27		TEC	TEH	.560	ZBAZ1	46	H
97	76	.17	0	PCT	11	P2	FB4	1.22		TEC	TEH	.560	CBACC	40	H
86	77	.28	0	PCT	13	P2	FB8	.59		TEC	TEH	.560	ZBAZ1	46	H
98	77	.44	0	PCT	20	P2	FB5	-1.10		TEC	TEH	.560	CBACC	40	H
102	77	.32	0	PCT	14	P2	FB3	1.11		TEC	TEH	.560	ZBAZ1	42	H

ROW	COL	VOLTS	DEG	IND	PER	CHN	LOCN	INCH1	INCH2	BEGT	ENDT	PDIA	PTYPE	CAL	L
102	77	.63	0	PCT	22	P2	FB4	-.90		TEC	TEH	.560	ZBAZ1	42	H
102	77	.38	0	PCT	16	P2	FB5	-1.56		TEC	TEH	.560	ZBAZ1	42	H
102	77	.55	0	PCT	20	P2	FB7	-1.59		TEC	TEH	.560	ZBAZ1	42	H
69	78	.17	0	PCT	11	P2	FB5	-.95		TEC	TEH	.560	CBACC	48	H
97	78	.37	0	PCT	14	P2	FB4	1.16		TEC	TEH	.560	ZBAZ1	42	H
97	78	.23	0	PCT	10	P2	FB5	1.70		TEC	TEH	.560	ZBAZ1	42	H
97	78	.63	0	PCT	22	P2	FB6	-1.67		TEC	TEH	.560	ZBAZ1	42	H
99	78	.31	0	PCT	17	P2	FB4	1.66		TEC	TEH	.560	CBACC	40	H
101	78	.22	0	PCT	13	P2	FB4	-1.05		TEC	TEH	.560	CBACC	40	H
101	78	.28	0	PCT	15	P2	FB4	1.28		TEC	TEH	.560	CBACC	40	H
101	78	.31	0	PCT	16	P2	FB5	-1.19		TEC	TEH	.560	CBACC	40	H
103	78	.36	0	PCT	14	P2	FB6	-1.88		TEC	TEH	.560	ZBAZ1	42	H
69	80	.44	0	PCT	18	P2	FB5	-.91		TEH	TEC	.560	ZBAZ1	33	C
69	80	.83	105	VOL		170	FB5	-.87		CBC	CBH	.560	ZYAXP	78	H
79	80	.31	0	PCT	14	P2	FB4	.66		TEH	TEC	.560	ZBAZ1	33	C
80	81	.50	0	PCT	19	P2	FB4	-1.13		TEH	TEC	.560	ZBAZ1	33	C
96	81	.21	0	PCT	9	P2	FB5	-1.62		TEH	TEC	.560	ZBAZ1	37	C
100	81	.36	0	PCT	14	P2	FB5	1.60		TEH	TEC	.560	ZBAZ1	35	C
102	83	.31	0	PCT	13	P2	FB5	-1.49		TEH	TEC	.560	ZBAZ1	35	C
83	84	.50	0	PCT	19	P2	FB5	-1.21		TEH	TEC	.560	ZBAZ1	33	C
98	85	.25	0	PCT	10	P2	FB3	1.24		TEH	TEC	.560	ZBAZ1	37	C
98	85	.27	0	PCT	11	P2	FB4	1.15		TEH	TEC	.560	ZBAZ1	37	C
98	85	.28	0	PCT	12	P2	FB5	-1.18		TEH	TEC	.560	ZBAZ1	37	C
63	86	.22	0	PCT	11	P2	FB4	.76		TEH	TEC	.560	ZBAZ1	31	C
79	86	.26	0	PCT	12	P2	FB5	-1.25		TEH	TEC	.560	ZBAZ1	31	C
79	86	.20	0	PCT	10	P2	FB6	-.62		TEH	TEC	.560	ZBAZ1	31	C
97	86	.92	0	PCT	28	P2	FB6	-.77		TEH	TEC	.560	ZBAZ1	31	C
101	86	.21	0	PCT	9	P2	FB5	-.39		TEH	TEC	.560	ZBAZ1	37	C
101	86	.15	0	PCT	7	P2	FB6	-.62		TEH	TEC	.560	ZBAZ1	37	C
105	86	.42	0	PCT	14	P2	FB5	-.64		TEH	TEC	.560	ZBAZ1	35	C
105	86	.36	118	VOL		178	FB5	-.64		CBC	CBH	.560	ZYAXP	78	H
113	86	.16	0	PCT	9	P2	FB5	-.48		TEH	TEC	.560	ZBAZ1	35	C
74	87	.40	0	PCT	17	P2	FB4	-1.38		TEH	TEC	.560	ZBAZ1	31	C
90	87	.36	0	PCT	15	P2	FB5	1.09		TEH	TEC	.560	ZBAZ1	31	C
92	87	.43	0	PCT	17	P2	FB5	-1.66		TEH	TEC	.560	ZBAZ1	33	C
96	87	.28	0	PCT	13	P2	FB4	1.36		TEH	TEC	.560	ZBAZ1	31	C
96	87	.31	0	PCT	14	P2	FB5	1.58		TEH	TEC	.560	ZBAZ1	31	C
98	87	.26	0	PCT	12	P2	FB5	-1.74		TEH	TEC	.560	ZBAZ1	31	C
98	87	.27	0	PCT	12	P2	FB6	-1.28		TEH	TEC	.560	ZBAZ1	31	C
100	87	.39	0	PCT	15	P2	FB4	1.10		TEH	TEC	.560	ZBAZ1	37	C

| ROW | COL | VOLTS | DEG | IND | PER | CHN | LOCN | INCH1 | INCH2 | BEGT | ENDT | PDIA | PTYPE | CAL | L |

ROW	COL	VOLTS	DEG	IND	PER	CHN	LOCN	INCH1	INCH2	BEGT	ENDT	PDIA	PTYPE	CAL	L
100	87	.16	0	PCT	7	P2	FB5	-1.60		TEH	TEC	.560	ZBAZ1	37	C
102	87	.37	0	PCT	14	P2	FB5	-1.34		TEH	TEC	.560	ZBAZ1	37	C
105	88	.62	0	PCT	24	P2	FB5	-.90		TEH	TEC	.560	ZBAZ1	35	C
74	97	.31	0	PCT	14	P2	FB5	-1.18		TEH	TEC	.560	ZBAZ1	31	C

ROW	COL	VOLTS	DEG	IND	PER	CHN	LOCN	INCH1	INCH2	BEGT	ENDT	PDIA	PTYPE	CAL	L

ROW	COL	VOLTS	DEG	IND	PER	CHN	LOCN	INCH1	INCH2	BEGT	ENDT	PDIA	PTYPE	CAL	L
109	54	.13	105	NQI		3	05H	34.57		TEC	TEH	.560	ZBAZ1	42	H
109	54	.09	89	PCT	5	P38	05H	34.76		06H	05H	.560	ZYAXP	90	H
109	54	.23	98	VOL		90	05H	34.90		06H	05H	.560	ZYAXP	90	H
72	59	.46	0	PCT	19	P2	FB5	1.32		TEC	TEH	.560	ZBAZ1	64	H
94	61	.17	0	PCT	10	P2	FB5	.60		TEC	TEH	.560	ZBAZ1	56	H
94	61	.41	0	PCT	19	P2	FB6	1.28		TEC	TEH	.560	ZBAZ1	56	H
94	61			NDF			FB5	.60		CBC	CBH	.560	ZYAXP	90	H
94	61	.20	114	VOL		190	FB6	.60		CBC	CBH	.560	ZYAXP	90	H
114	61	.22	0	PCT	11	P2	FB4	-.90		TEC	TEH	.560	ZBAZ1	42	H
75	62	.27	0	PCT	10	P2	FB5	-1.21		TEC	TEH	.560	ZBAZ1	64	H
75	62			NDF			FB5	-1.21		CBC	CBH	.560	ZYAXP	90	H
89	62	.17	0	PCT	9	P2	FB5	-.62		TEC	TEH	.560	ZBAZ1	46	H
91	62	.30	0	PCT	15	P2	FB5	-.70		TEC	TEH	.560	ZBAZ1	48	H
93	62	.55	0	PCT	22	P2	FB5	-1.03		TEC	TEH	.560	ZBAZ1	44	H
93	62	.13	0	PCT	8	P2	FB6	-.85		TEC	TEH	.560	ZBAZ1	44	H
95	62	.24	0	PCT	13	P2	FB5	-.77		TEC	TEH	.560	ZBAZ1	56	H
80	63	.23	0	PCT	11	P2	FB6	-1.61		TEC	TEH	.560	ZBAZ1	66	H
95	64	.21	0	PCT	10	P2	FB5	.79		TEC	TEH	.560	ZBAZ1	44	H
95	64			NDF			FB5	.79		CBC	CBH	.560	ZYAXP	90	H
97	64	.14	0	PCT	9	P2	FB5	-.74		TEC	TEH	.560	ZBAZ1	56	H
97	64			NDF			FB5	-.74		CBC	CBH	.560	ZYAXP	90	H
99	64	.15	0	PCT	8	P2	FB5	1.75		TEC	TEH	.560	ZBAZ1	50	H
113	64	.12	0	PCT	6	P2	FB5	-1.42		TEC	TEH	.560	ZBAZ1	42	H
110	65	.18	0	PCT	10	P2	FB3	-1.19		TEC	TEH	.560	ZBAZ1	46	H
110	65	.15	0	PCT	8	P2	FB4	-1.02		TEC	TEH	.560	ZBAZ1	46	H
110	65	.26	0	PCT	13	P2	FB5	-1.08		TEC	TEH	.560	ZBAZ1	46	H
57	66	.57	0	PCT	23	P2	FB5	-1.59		TEC	TEH	.560	ZBAZ1	64	H
71	66	.11	0	PCT	6	P2	FB5	1.74		TEC	TEH	.560	ZBAZ1	64	H
77	66	.18	0	PCT	10	P2	FB5	1.82		TEC	TEH	.560	ZBAZ1	64	H
79	66	.16	0	PCT	9	P2	FB5	2.00		TEC	TEH	.560	ZBAZ1	64	H
94	67	.18	0	PCT	10	P2	FB4	-.79		TEC	TEH	.560	ZBAZ1	46	H
79	68	.13	0	PCT	7	P2	FB5	-.58		TEC	TEH	.560	ZBAZ1	66	H
79	68			NDF			FB5	-.58		CBC	CBH	.560	ZYAXP	90	H
81	68	.34	0	PCT	15	P2	FB4	-1.34		TEC	TEH	.560	ZBAZ1	66	H
81	68	.37	0	PCT	16	P2	FB6	-1.04		TEC	TEH	.560	ZBAZ1	66	H
95	68	.29	0	PCT	14	P2	FB3	-.53		TEC	TEH	.560	ZBAZ1	46	H
95	68	.46	0	PCT	19	P2	FB5	-1.08		TEC	TEH	.560	ZBAZ1	46	H
95	68	.40	0	PCT	17	P2	FB7	-1.21		TEC	TEH	.560	ZBAZ1	46	H
97	68	.79	0	PCT	27	P2	FB5	-1.35		TEC	TEH	.560	ZBAZ1	48	H
99	68	.23	0	PCT	13	P2	FB5	1.13		TEC	TEH	.560	ZBAZ1	44	H
90	69	.35	0	PCT	17	P2	FB4	.93		TEC	TEH	.560	ZBAZ1	64	H
92	69	.26	0	PCT	14	P2	FB4	.79		TEC	TEH	.560	ZBAZ1	56	H
100	69	.41	0	PCT	19	P2	FB5	.71		TEC	TEH	.560	ZBAZ1	44	H
100	69	.52	0	PCT	22	P2	FB6	1.42		TEC	TEH	.560	ZBAZ1	44	H
102	69	.18	0	PCT	11	P2	FB4	.75		TEC	TEH	.560	ZBAZ1	56	H

ROW	COL	VOLTS	DEG	IND	PER	CHN	LOCN	INCH1	INCH2	BEGT	ENDT	PDIA	PTYPE	CAL	L
114	69	.12	0	PCT	7	P2	FB4	1.17		TEC	TEH	.560	ZBAZ1	42	H
114	69	.13	0	PCT	7	P2	FB5	.53		TEC	TEH	.560	ZBAZ1	42	H
93	70	.44	0	PCT	20	P2	FB5	-1.24		TEC	TEH	.560	ZBAZ1	56	H
93	70	.25	0	PCT	14	P2	FB6	-1.33		TEC	TEH	.560	ZBAZ1	56	H
88	71	.34	0	PCT	16	P2	FB5	-1.34		TEC	TEH	.560	ZBAZ1	72	H
108	71	.22	0	PCT	11	P2	FB5	.58		TEC	TEH	.560	ZBAZ1	50	H
93	72	.13	0	PCT	8	P2	FB4	-.57		TEC	TEH	.560	ZBAZ1	56	H
93	72			NDF			FB4	-.57		CBC	CBH	.560	ZYAXP	90	H
80	73	.36	0	PCT	16	P2	FB4	1.29		TEC	TEH	.560	ZBAZ1	72	H
80	73	.57	0	PCT	22	P2	FB5	1.70		TEC	TEH	.560	ZBAZ1	72	H
86	73	.28	0	PCT	15	P2	FB4	1.32		TEC	TEH	.560	ZBAZ1	72	H
86	73	.56	0	PCT	23	P2	FB5	1.71		TEC	TEH	.560	ZBAZ1	72	H
86	73	.58	0	PCT	22	P2	FB6	-1.67		TEC	TEH	.560	ZBAZ1	72	H
88	73	.51	0	PCT	21	P2	FB5	1.51		TEC	TEH	.560	ZBAZ1	72	H
92	73	.33	0	PCT	14	P2	FB5	1.66		TEC	TEH	.560	ZBAZ1	58	H
108	73	.15	0	PCT	8	P2	FB4	1.62		TEC	TEH	.560	ZBAZ1	50	H
65	74	.21	0	PCT	12	P2	FB5	.54		TEC	TEH	.560	ZBAZ1	72	H
65	74			NDF			FB5	.54		CBC	CBH	.560	ZYAXP	90	H
67	74	.24	0	PCT	13	P2	FB5	.62		TEC	TEH	.560	ZBAZ1	72	H
69	74	.26	0	PCT	14	P2	FB5	.73		TEC	TEH	.560	ZBAZ1	72	H
36	75	.22	0	PCT	13	P2	03H	-1.66		TEC	TEH	.560	ZBAZ1	72	H
112	75	.11	119	NQI		3	05H	3.09		TEC	TEH	.560	ZBAZ1	42	H
112	75	.07	53	PCT	4	P45	05H	2.95		06H	05H	.560	ZYAXP	90	H
112	75	.21	92	VOL		62	05H	3.12		06H	05H	.560	ZYAXP	90	H
114	75	.16	0	PCT	9	P2	FB6	-1.57		TEC	TEH	.560	ZBAZ1	42	H
114	75	.50	145	VOL		190	FB6	-1.57		CBC	CBH	.560	ZYAXP	90	H
53	76	.64	0	PCT	24	P2	FB4	1.68		TEC	TEH	.560	ZBAZ1	74	H
63	78	.13	0	PCT	9	P2	FB5	-1.85		TEC	TEH	.560	ZBAZ1	72	H
63	78			NDF			FB5	-1.85		CBC	CBH	.560	ZYAXP	90	H
77	78	.16	0	PCT	10	P2	FB5	1.39		TEC	TEH	.560	ZBAZ1	72	H
77	78	.33	82	VOL		130	FB5	1.27		CBC	CBH	.560	ZYAXP	90	H
52	79	.36	0	PCT	16	P2	FB5	-.87		TEC	TEH	.560	ZBAZ1	72	H
101	80	.19	0	PCT	9	P2	FB6	-.48		TEC	TEH	.560	ZBAZ1	70	H
85	84	.38	0	PCT	17	P2	FB5	-1.19		TEC	TEH	.560	ZBAZ1	74	H
66	85	.34	0	PCT	16	P2	FB4	1.40		TEC	TEH	.560	ZBAZ1	74	H

SG - D SERVICE INDUCED DEGRADATION

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ROW	COL	VOLTS	DEG	IND	PER	CHN	LOCN	INCH1	INCH2	BEGT	ENDT	PDIA	PTYPE	CAL	L
109	88	.14	0	PCT	8	P2	FB5	.81		TEC	TEH	.560	ZBAZ1	42	H
109	88	.32	77	VOL		186	FB5	.81		CBC	CBH	.560	ZYAXP	90	H
63	90	.14	117	NQI		3	04H	29.23		TEC	TEH	.560	ZBAZ1	72	H
63	90	.33	104	VOL		62	04H	29.56		05H	04H	.560	ZYAXP	90	H
63	90	.14	93	PCT	8	P45	04H	29.76		05H	04H	.560	ZYAXP	90	H
52	91	.27	0	PCT	13	P2	FB4	-1.19		TEC	TEH	.560	ZBAZ1	74	H
62	95	.15	0	PCT	7	P2	FB4	-1.13		TEC	TEH	.560	ZBAZ1	78	H