INSERVICE INSPECTION REPORT

DUKE POWER COMPANY
OCONEE NUCLEAR STATION
UNIT 2
EIGHTEENTH REFUELING OUTAGE

A Duke Energy Company

INSERVICE INSPECTION REPORT

UNIT 2 OCONEE
2001 REFUELING OUTAGE
EOC18 (OUTAGE 4)

Location: 7800 Rochester Highway, Seneca, SC 29672

NRC Docket No. 50-270

Commercial Service Date: September 9, 1974

Owner: Duke Energy Corporation
526 South Church St.
Charlotte, N. C. 28201-1006

Revision 0

Prepared By: Larry C. Keith Date 7-12-01

Reviewed By: Larry Underwood Date 7-16-01

Approved By: R. Kevin Rhyne Date 7/18/01

350 Pages

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: Oconee Nuclear Station, 7800 Rochester Highway, Seneca, SC 29672
(Name and Address of Plant)

3. Plant Unit: 2 4. Owner Certificate of Authorization (if required) N/A

5. Commercial Service Date: September 9, 1974 6. National Board Number for Unit N/A

7. Components Inspected:

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

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 16, 1999 to MAY 30, 2001

9. Inspection Period Identification: Second Period of the Third Interval

10. Inspection Interval Identification: Third Inservice Inspection Interval

11. Applicable Edition of Section XI 1989 Addenda None

12. Date/Revision of Inspection Plan: February 2, 2000 / Revision 5

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. See Sections 3.0, 4.0 and 11.0

14. Abstract of Results of Examination and Tests. See Section 5.0 and 11.0

15. Abstract of Corrective Measures. See Section 8.0

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 7/18/01 Signed Duke Energy Corp. By R. Kevin Rhyne
Owner

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 Georgia employed by *The HSBI&I Co. of Hartford Conn. have inspected the components described in this Owner's Report during the period DEC 16 1999 to MAY 30 2001, 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 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, test, 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

C. T. [signature] Commissions GA 360 NIC
Inspector's Signature National Board, State, Province, and Endorsements

Date JUL 31 2001

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

DISTRIBUTION LIST

1) Duke Energy Corporation
   Inservice Inspection
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2) Oconee Work Control

3) NRC Document Control

4) Hartford Steam Boiler
   Inspection and Insurance
   Company (ANII)
   c/o Clayton T. Smith
   Oconee Nuclear Station

5) D. E. LaBarge
   Project Manager
   Office of NRR
   USNRC
   Washington, DC 20555

6) Laura Burba
   Nuclear GO
   Regulatory & Industrial Affairs
   Mail Code= EC05O

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1.0 General Information

This report describes the Inservice Inspection of Duke Energy Corporation's Oconee Nuclear Station, Unit 2, during the 2001 Refueling Outage (also referred to as EOC18 (Outage 4). This is the last outage in the second inspection period of the third ten year interval.

Included in this report are the final Inservice Inspection Plan, the inspection results for each item, a summary for each category of examination and corrective action taken when unacceptable conditions were found. In addition, there is a section included for 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	Babcock & Wilcox	620-0004-51-52	N/A	N-105
Steam Generator A	Babcock & Wilcox	620-0004-55	N/A	N-107
Steam Generator B	Babcock & Wilcox	620-0004-55	N/A	N-108
Pressurizer	Babcock & Wilcox	620-0004-59	N/A	N-106
Main Steam System	Duke Power	NA	NA	NA
Auxiliary Steam System	Duke Power	NA	NA	NA
Feedwater System	Duke Power	NA	NA	NA
Emergency Feedwater System	Duke Power	NA	NA	NA
Steam Generator Flush System	Duke Power	NA	NA	NA
Condensate System	Duke Power	NA	NA	NA
Vents and Exhaust System	Duke Power	NA	NA	NA
Condenser Circulating Water	Duke Power	NA	NA	NA

High Pressure Service Water System	Duke Power	NA	NA	NA
Low Pressure Service Water System	Duke Power	NA	NA	NA
Reactor Coolant System	Duke Power	NA	NA	NA
High Pressure Injection System	Duke Power	NA	NA	NA
Low Pressure Injection System	Duke Power	NA	NA	NA
Reactor Building Spray System	Duke Power	NA	NA	NA
Component Cooling System	Duke Power	NA	NA	NA
Spent Fuel Cooling System	Duke Power	NA	NA	NA
Vents - Reactor Building Components	Duke Power	NA	NA	NA
Drains - Reactor Building Components	Duke Power	NA	NA	NA

1.2 Authorized Nuclear Inservice Inspector(s)

Name: Clayton T. Smith

Employer: The Hartford Steam Boiler Inspection & Insurance Company

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

2.0 Summary of Inservice Inspections

The information shown below provides an abstract of ASME Section XI Class 1, Class 2, and Augmented Items scheduled and examined during EOC18 (Outage 4) at Oconee Nuclear Station Unit 2.

2.1 Class 1 Inspection

Examination Category B-A Pressure Retaining Welds in Reactor Vessel

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

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

Item Number	*Description*	*Total Examined During Outage*
	Pressurizer	
B02.010	***Shell to Head Welds***	
B02.011	Circumferential	1
B02.012	Longitudinal	1
B02.020	***Head Welds***	
B02.021	Circumferential	NA
B02.022	Meridional	NA
	Steam Generator (Primary Side)	
B02.030	***Head Welds***	
B02.031	Circumferential	0
B02.032	Meridional	N/A
B02.040	Tubesheet to Head Weld	0
	Heat Exchangers (Primary Side) -- **Head**	
B02.050	***Head Welds***	
B02.051	Circumferential	NA
B02.052	Meridional	NA
	Heat Exchangers (Primary Side) -- **Shell**	
B02.060	Tubesheet to Head Welds	0
B02.070	Longitudinal Welds	NA
B02.080	Tubesheet-to-Shell Welds	NA
TOTALS		2

Examination Category B-D Full Penetration Welds of Nozzles in Vessels
Inspection Program B

Item Number	*Description*	*Total Examined During Outage*
	Reactor Vessel	
B03.090	Nozzle-to-Vessel Welds	0
B03.100	Nozzle Inside Radius Section	0
	Pressurizer	
B03.110	Nozzle-to-Vessel Welds	0
B03.120	Nozzle Inside Radius Section	0
	Steam Generators (Primary Side)	
B03.130	Nozzle-to-Vessel Welds	1
B03.140	Nozzle Inside Radius Section	1
	Heat Exchangers (Primary Side)	
B03.150	Nozzle-to-Vessel Welds	
B03.160	Nozzle Inside Radius Section	0
TOTALS		2

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

REFERENCE SECTION 11.0 OF THIS REPORT

Examination Category B-F Pressure Retaining Dissimilar Metal Welds

Item Number	*Description*	*Total Examined During Outage*
	Reactor Vessel	
B05.010	Nominal Pipe Size 4" or Larger Nozzle-to-Safe End Butt Welds	0
B05.020	Nominal Pipe Size Less Than 4" Nozzle-to-Safe End Butt Weld	NA
B05.030	Nozzle-to-Safe End Socket Welds	NA
	Pressurizer	
B05.040	Nominal Pipe Size 4" or Larger Nozzle-to-Safe End Butt Welds	0
B05.050	Nominal Pipe Size Less Than 4" Nozzle-to-Safe End Butt Welds	3
B05.060	Nozzle-to-Safe End Socket Welds	NA
	Steam Generators	
B05.070	Nominal Pipe Size 4" or Larger Nozzle-to-Safe End Butt Welds	NA
B05.080	Nominal Pipe Size Less Than 4" Nozzle-to-Safe End Butt Welds	NA
B05.090	Nozzle-to-Safe End Socket Welds	NA

Examination Category B-F (Continued)

Item Number	*Description*	*Total Examined During Outage*
	Heat Exchangers	
B05.100	Nominal Pipe Size 4" or Larger Nozzle-to-Safe End Butt Welds	NA
B05.110	Nominal Pipe Size Less Than 4" Nozzle-to-Safe End Butt Welds	NA
B05.120	Nozzle-to-Safe End Socket Welds	NA
	Piping	
B05.130	Nominal Pipe Size 4" or Larger Dissimilar Metal Butt Welds	2
B05.140	Nominal Pipe Size Less Than 4" Dissimilar Metal Butt Welds	0
B05.150	Dissimilar Metal Socket Welds	NA
TOTALS		5

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

Item Number	*Description*	*Total Examined During Outage*
	Reactor Vessel	
B06.010	Closure Head Nuts	16
B06.020	Closure Studs, (in place)	NA
B06.030	Closure Studs, (when removed)	16
B06.040	Threads in Flange	0
B06.050	Closure Washers, Bushings	1
	Pressurizer	
B06.060	Bolts and Studs	1
B06.070	Flange Surface, (when connection disassembled)	0
B06.080	Nuts , Bushings and Washers	1
	Steam Generators	
B06.090	Bolts and Studs	NA
B06.100	Flange Surface, (when connection disassembled)	NA
B06.110	Nuts , Bushings and Washers	NA
	Heat Exchangers	
B06.120	Bolts and Studs	NA
B06.130	Flange Surface, (when connection disassembled)	NA
B06.140	Nuts , Bushings and Washers	NA

Examination Category B-G-1 (Continued)

Item Number	*Description*	*Total Examined During Outage*
	Piping	
B06.150	Bolts and Studs	NA
B06.160	Flange Surface, (when connection disassembled)	NA
B06.170	Nuts , Bushings and Washers	NA
	Pumps	
B06.180	Bolts and Studs	0
B06.190	Flange Surface, (when connection disassembled)	0
B06.200	Nuts , Bushings and Washers	0
	Valves	
B06.210	Bolts and Studs	NA
B06.220	Flange Surface, (when connection disassembled)	NA
B06.230	Nuts , Bushings and Washers	NA
TOTALS		35

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

Item Number	*Description*	*Total Examined During Outage*
	Reactor Vessel	
B07.010	Bolts, Studs, and Nuts	NA
	Pressurizer	
B07.020	Bolts, Studs, and Nuts	0
	Steam Generators	
B07.030	Bolts, Studs, and Nuts	2
	Heat Exchangers	
B07.040	Bolts, Studs, and Nuts	NA
	Piping	
B07.050	Bolts, Studs, and Nuts	0
	Pumps	
B07.060	Bolts, Studs, and Nuts	NA
	Valves	
B07.070	Bolts, Studs, and Nuts	1
	CRD Housings	
B07.080	Bolts, Studs, and Nuts In CRD Housing When Disassembled	2
TOTALS		5

Examination Category B-H Integral Attachments for Vessels

Item Number	Description	Total Examined During Outage
	Reactor Vessel	
B08.010	Integrally Welded Attachments	NA
	Pressurizer	
B08.020	Integrally Welded Attachments	NA
	Steam Generators	
B08.030	Integrally Welded Attachments	NA
	Heat Exchangers	
B08.040	Integrally Welded Attachments	NA
TOTALS		NA

Examination Category B-J Pressure Retaining Welds in Piping

Item Number	Description	Total Examined During Outage
B09.010	Nominal Pipe Size 4" or Larger	
B09.011	Circumferential Welds	6
B09.012	Longitudinal Welds[1]	0
B09.020	Nominal Pipe Size Less Than 4"	
B09.021	Circumferential Welds	10
B09.022	Longitudinal Welds[1]	NA

[1] Longitudinal welds in Examination Category B-J that intersect circumferential welds are examined per Code Case N-524.

Examination Category B-J (Continued)

Item Number	*Description*	*Total Examined During Outage*
B09.030	Branch Pipe Connection Welds	
B09.031	Nominal Pipe Size 4" or Larger	0
B09.032	Less Than Nominal Pipe Size 4"	2
B09.040	Socket Welds	2
TOTALS		20

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

Item Number	*Description*	*Total Examined During Outage*
	Piping	
B10.010	Integrally Welded Attachments	NA
	Pumps	
B10.020	Integrally Welded Attachments	NA
	Valves	
B10.030	Integrally Welded Attachments	NA
TOTALS		NA

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

B-L-2, B-M-2 Pump Casings and Valve Bodies

Item Number	*Description*	*Total Examined During Outage*
	Pumps	
B12.010	Pump Casing Welds (B-L-1)	0
B12.020	Pump Casing (B-L-2) (when disassembled for Maintenance, Repair or Volumetric Examination)	0
	Valves	
B12.030	Valves, Nominal Pipe Size Less Than 4" Valve Body Welds (B-M-1)	NA
B12.040	Valves, Nominal Pipe Size 4" or Larger Valve Body Welds (B-M-1)	NA
B12.050	Valve Body, Exceeding 4" Nominal Pipe Size (B-M-2)	0
TOTALS		0

Examination Category B-N-1 Interior of Reactor Vessel

B-N-2 Integrally Welded Core Support Structures and Interior Attachments to Reactor Vessels

B-N-3 Removable Core Support Structures

Item Number	*Description*	*Total Examined During Outage*
	Reactor Vessel	
B13.010	Vessel Interior (B-N-1)	1
	Reactor Vessel (PWR)	
B13.050	Interior Attachments Within The Beltline Region (B-N-2)	0
B13.060	Interior Attachments Beyond The Beltline Region (B-N-2)	NA
B13.070	Core Support Structure (B-N-3)	0
TOTALS		1

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

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

Examination Category B-P All Pressure Retaining Components

REFERENCE SECTION 11.0 OF THIS REPORT

Examination Category B-Q Steam Generator Tubing[2]

Item Number	*Description*	*Total Examined During Outage*
B16.010	Steam Generator Tubing in Straight Tube Design	NA
B16.020	Steam Generator Tubing in U-Tube Design	NA
TOTALS		NA

Examination Category F-A Class 1 Component Supports

Item Number	*Description*	*Total Examined During Outage*
F1.010	Class 1 Piping Supports Reference Section 4.0 of this report	4
F1.040	Class 1 Supports Other Than Piping Reference Section 4.0 of this report	0
F1.050	Class 1 Snubbers	26
TOTALS		30

[2] Steam Generator Tubing is examined and documented by Steam Generator Maintenance Group of the Station Support Division as required by the Station Technical Specifications and is not included in this report.

2.2 *Class 2 Inspections*

Examination Category C-A Pressure Retaining Welds in Pressure Vessel

Item Number	*Description*	*Total Examined During Outage*
C01.010	Shell Circumferential Welds	1
C01.020	Head Circumferential Welds	0
C01.030	Tubesheet to Shell Weld	2
TOTALS		3

Examination Category C-B Pressure Retaining Nozzle Welds in Vessels

Item Number	*Description*	*Total Examined During Outage*
C02.010	Nozzles in Vessels ≤ $^1/_2$" Nominal Thickness	
C02.011	Nozzle-to-Shell (or Head) Weld	0
C02.020	Nozzles Without Reinforcing Plate In Vessels > $^1/_2$" Nominal Thickness	
C02.021	Nozzle-to-Shell (or Head) Weld	0
C02.022	Nozzle Inside Radius Section	0
C02.030	Nozzles With Reinforcing Plate in Vessels > $^1/_2$" Nominal Thickness	

Examination Category C-B (Continued)

Item Number	*Description*	*Total Examined During Outage*
C02.031	Reinforcing Plate Welds to Nozzle and Vessel	0
C02.032	Nozzle-to-Shell (or Head) Welds When Inside of Vessel Is Accessible	0
C02.033	Nozzle-to-Shell (or Head) Welds When Inside of Vessel is Inaccessible	0
TOTALS		0

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

Item Number	*Description*	*Total Examined During Outage*
	Pressure Vessels	
C03.010	Integrally Welded Attachments	0
	Piping	
C03.020	Integrally Welded Attachments	8
	Pumps	
C03.030	Integrally Welded Attachments	0
	Valves	
C03.040	Integrally Welded Attachments	NA
TOTALS		8

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

Item Number	*Description*	*Total Examined During Outage*
	Pressure Vessels	
C04.010	Bolts and Studs	NA
	Piping	
C04.020	Bolts and Studs	NA
	Pumps	
C04.030	Bolts and Studs	0
	Valves	
C04.040	Bolts and Studs	0
TOTALS		0

Examination Category C-F-1 Pressure Retaining Welds in Austenitic Stainless Steel or High Alloy Piping

Item Number	*Description*	*Total Examined During Outage*
C05.010	Piping Welds ≥ 3/8" Nominal Wall Thickness for Piping > Nominal Pipe Size 4	
C05.011	Circumferential Weld	4
C05.012	Longitudinal Welds[3]	NA
C05.020	Piping Welds > 1/5" Nominal Wall Thickness for Piping ≥ Nominal Pipe Size 2 and ≤ Nominal Pipe Size 4	
C05.021	Circumferential Welds	21
C05.022	Longitudinal Welds[3]	NA
C05.030	Socket Welds	1
C05.040	Pipe Branch Connections of Branch Piping ≥ Nominal Pipe Size 2	
C05.041	Circumferential Weld	0
C05.042	Longitudinal Weld[3]	NA
TOTALS		26

[3] Longitudinal welds in Examination Categories C-F-1 and C-F-2 that intersect circumferential welds are examined per Code Case N-524.

Examination Category C-F-2 Pressure Retaining Welds in Carbon or Low Alloy Steel Piping

Item Number	*Description*	*Total Examined During Outage*
C05.050	Piping Welds ≥ $^3/_8$" Nominal Wall Thickness for Piping > Nominal Pipe Size 4	
C05.051	Circumferential Weld	8
C05.052	Longitudinal Weld[3]	NA
C05.060	Piping Welds > $^1/_5$" Nominal Wall Thickness for Piping ≥ Nominal Pipe Size 2 and ≤ Nominal Pipe Size 4	
C05.061	Circumferential Weld	NA
C05.062	Longitudinal Weld[3]	NA
C05.070	Socket Welds	NA
C05.080	Pipe Branch Connections of Branch Piping ≥ Nominal Pipe Size 2	
C05.081	Circumferential Weld	0
C05.082	Longitudinal Weld[3]	NA
TOTALS		8

[3] Longitudinal welds in Examination Categories C-F-1 and C-F-2 that intersect circumferential welds are examined per Code Case N-524.

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

Item Number	*Description*	*Total Examined During Outage*
	Pumps	
C06.010	Pump Casing Welds	NA
	Valves	
C06.020	Valve Body Welds	0
TOTALS		0

Examination Category C-H All Pressure Retaining Components

REFERENCE SECTION 11.0 OF THIS REPORT

Examination Category F-A Class 2 Component Supports

Item Number	*Description*	*Total Examined During Outage*
F1.020	Class 2 Piping Supports Reference Section 4.0 of this report	16
F1.040	Class 2 Supports Other Than Piping Reference Section 4.0 of this report	0
F1.050	Class 2 Snubbers Reference Section 4.0 of this report	45
TOTALS		61

2.3 Augmented Inspections

Item Number	Description	Total Examined During Outage
G01.001	Reactor Coolant Pump Flywheel	4
G02.001	HPI Nozzle Safe End Examinations	24
G03.001	Pressurizer Surge Line Examinations	0
G04.001	Thermal Stress Piping (NRC Bulletin 88-08)	12
G05.001	Pressurizer Spray Piping Thermal Transient Inspection	N/A
G06.001	Auxiliary Feedwater Header Water Hammer Examinations (PSC21-82)	0
G07.001	Augmented Examination of Longitudinal Piping Welds With A Nominal Wall Thickness < $3/8$" and > Nominal Pipe Size 4"	0
G08.001	Pressurizer Sensing/ Sampling Nozzle Safe Ends	0
G09.001	Class 2 Piping Welds Nominal Pipe Size > 4" With Nominal Wall Thickness< $3/8$"	7
G10.001	Class 1 RTE Mounting Bosses	0
G12.001	HPI System Upgrade Piping Welds With A Nominal Wall Thickness $\leq 1/5$" on Piping with a Nominal Pipe Size $\geq$ 2" and Nominal Pipe Size $\leq$ 4".	2

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

3.0 *Third Ten Year Inspection Status*

The completion status of inspections required in the third ten year inspection interval by the 1989 ASME Section XI Code, no Addenda, is summarized in this section. The requirements are listed by the ASME Section XI Examination Category as defined in Table IWB-2500-1 for Class 1 Inspections, and in Table IWC-2500-1 for Class 2 Inspections. Augmented inspections are also included.

Class 1 Inspections

Examination Category	*Description*	*Inspections Required*	*Inspections Completed*	*Percentage Completed*	[4]*Deferral Allowed*
B-A	Pressure Retaining Welds in Reactor Vessel	8 Welds	2.5 Welds	31%	Yes
B-B	Pressure Retaining Welds in Vessels Other than Reactor Vessel	10 Welds	6 Welds	60%	No
B-D	Full Penetration Welds of Nozzles in Vessels Inspection Program B	30 Inspections	18 Inspections	60%	Partial
B-E	Pressure Retaining Partial Penetration Welds in Vessels	REFERENCE SECTION 11.0 OF THIS REPORT			
B-F	Pressure Retaining Dissimilar Metal Welds	32 Welds	21 Welds	66%	No
B-G-1	Pressure Retaining Bolting Greater than 2 Inch Diameter	130 Items	84.8 Items	65%	Yes
B-G-2	Pressure Retaining Bolting 2 Inches and Less in Diameter	22 Items	13 Items	59%	No
B-H	Integral Attachment for Vessels	N/A	N/A	N/A	N/A
B-J	Pressure Retaining Welds in Piping	127 Welds	82 Welds	65%	No

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

Class 1 Inspections (Continued)

Examination Category	*Description*	*Inspections Required*	*Inspections Completed*	*Percentage Completed*	*[4] Deferral Allowed*
B-K-1	Integral Attachments for Piping, Pumps and Valves	N/A	N/A	N/A	N/A
B-L-1	Pressure Retaining Welds in Pump Casings	1 Weld	1 Weld	100%	Yes
B-L-2	Pump Casings	1 Casing	1 Casing	100%	Yes
B-M-1	Pressure Retaining Welds in Valve Bodies	N/A	N/A	N/A	N/A
B-M-2	Valve Body > 4 in. Nominal Pipe Size	3 Valves	3 Valves	100%	Yes
B-N-1	Interior of Reactor Vessel	3 Inspections	2 Inspection	67%	No
B-N-2	Integrally Welded Core Support Structures and Interior Attachments to Reactor Vessels	1 Item	0 Items	0%	Yes
B-N-3	Removable Core Support Structures	1 Item	0 Items	0%	Yes
B-0	Pressure Retaining Welds in Control Rod Housings	3 Housings	2 Housing	67%	Yes
B-P	All Pressure Retaining Components	REFERENCE SECTION 11.0 OF THIS REPORT			
B-Q	Steam Generator Tubing	N/A	N/A	N/A	N/A
F-A F1.10 & F1.040 items.	Class 1 Component Supports (Except Snubbers)	30 Supports	18 Supports	60%	No
F-A F1.050 items	Class 1 Component Supports, Snubbers	26 Snubbers	26 Snubbers	100%	No

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

Class 2 Inspections

Examination Category	*Description*	*Inspections Required*	*Inspections Completed*	*Percentage Completed*	*[4] Deferral Allowed*
C-A	Pressure Retaining Welds in Pressure Vessels	8 Welds	5 Welds	63%	No
C-B	Pressure Retaining Nozzle Welds in Vessels	4 Welds	2 Welds	50%	No
C-C	Integral Attachments for Vessels, Piping, Pumps and Valves	65 Attachments	41 Attachments	63%	No
C-D	Pressure Retaining Bolting Greater Than 2 Inches in Diameter	2 Item	2Items	100%	No
C-F-1	Pressure Retaining Welds in Austenitic Stainless Steel or High Alloy Piping	147 Welds	92 Welds	63%	No
C-F-2	Pressure Retaining Welds in Carbon or Low Alloy Steel Piping	53 Welds	31 Welds	58%	No
C-G	Pressure Retaining Welds in Pumps and Valves	1	1	100%	No
C-H	All Pressure Retaining Components	REFERENCE SECTION 11.0 OF THIS REPORT			
F-A F1.020 & F1.040 items.	Class 2 Component Supports (Except Snubbers)	113 Supports	72 Supports	64%	No
F-A F1.050 items	Class 2 Component Supports, Snubbers	45 Snubbers	45 Snubbers	100%	No

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

Augmented Inspections

Description	*Percentage Complete*
Reactor Coolant Pump Flywheels (Item No. Series G01)	100% of EOC 18 Requirements
High Pressure Injection and Make-Up Nozzle Safe-Ends (Item No. Series G02)	100% of EOC 18 Requirements
Pressurizer Surge Line Drain Line (Item No. Series G03)	Not Scheduled
Thermal Stress Piping (Item No. Series G04)	100% of EOC 18 Requirements
Pressurizer Spray Piping Thermal Transient Inspection (Item No. Series G05)	Not Scheduled
Auxiliary Feedwater Header Preliminary Safety Concern (PSC 21-82) Water Hammer Examinations (Item No. Series G06)	Not Scheduled
Augmented Examination of Longitudinal Piping Welds With A Nominal Wall Thickness Less Than 3/8" and Greater Than Nominal Pipe Size 4" (Item No. Series G07)	No longer applicable. Code Case N-524 is being used for the examination of all longitudinal piping welds.
Pressurizer Sensing/Sampling Nozzle Safe Ends (Item No. Series G08)	Not Scheduled
Class 2 Piping Welds Nominal Pipe Size Greater Than 4" With A Nominal Wall Thickness Less Than $3/8$" (Item No. Series G09)	100% of EOC 18 Requirements
Class 1 RTE Mounting Bosses (Item No. Series G10)	Not Scheduled
HPI System Upgrade (Item No. Series G12)	100% of EOC 18 Requirements

4.0 *Final Inservice Inspection Plan*

The final ISI Plan shown in this section lists all ASME Section XI Class 1 and ASME Section XI Class 2, and Augmented examinations credited for EOC18 (Outage 4) at Oconee Nuclear Station Unit 2.

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

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

CATEGORY B-B, Pressure Retaining Welds in Vessels Other Than Reactor Vessels

DUKE ENERGY CORPORATION
QUALITY ASSURANCE TECHNICAL SERVICES
Inservice Inspection Database Management System

[redacted] Pressurizer

Oconee 2

Inservice Inspection Plan for Interval 3 Outage 4

ITEM NUMBER	ID NUMBER	SYS	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
****** Shell-to-Head Welds; Circumferential ******									
B02.011.002	2-PZR-WP28	50	ISI-OCN2-002	NDE-620	UT	CS	84.000	40394	Pressurizer Lower Head Pc. 6 to Heater Belt Shell Pc. 4 and Lower Heater Belt Forging Pc. 40. Calibration block 50236 is being added as a result of revision 8 to examination procedure NDE-620. Procedure PDI-UT-6 may be used.
	Circumferential		OM-1201-456	See Com			4.750	50236	
Class A					Head to Heater Belt Shell				
Total B02.011 Items:	**1**								
****** Shell-to-Head Welds; Longitudinal ******									
B02.012.002	2-PZR-WP7-1	50	ISI-OCN2-002	NDE-620	UT	CS	0.000	40338	Pressurizer Heater Belt Shell Pc. 4 to Lower Heater Belt Forging Pc. 40 and Upper Heater Belt Forging Pc.41 (Y-Z Quadrant). Calibration block 50236 is being added as a result of revision 8 to examination procedure NDE-620. Procedure PDI-UT-6 may be used.
	Longitudinal		OM-1201-456	See Com			6.188	50236	
Class A					Shell to Heater Belt Forging				
Total B02.012 Items:	**1**								
Total B02 Items:	**2**								

CATEGORY B-D, Full Penetration Welds of Nozzles in Vessels

[redacted] Steam Generators (Primary Side)

DUKE ENERGY CORPORATION
QUALITY ASSURANCE TECHNICAL SERVICES
Inservice Inspection Database Management System
Oconee 2
Inservice Inspection Plan for Interval 3 Outage 4

ITEM NUMBER	ID NUMBER	SYS	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
****** Nozzle-to-Vessel Welds ******									
B03.130.005	2-SGA-WG25	50	ISI-OCN2-003	NDE-970	UT	CS	48.630	40393	Steam Generator 2A Inlet Nozzle Pc. 70 to Upper Head Pc. 8.
	Circumferential		OM-1201-450	NDE-640			8.000		
Class A			B&W103213D		Nozzle to Head				

Total B03.130 Items: 1

CATEGORY B-D, Full Penetration Welds of Nozzles in Vessels

[redacted] Steam Generators (Primary Side)

DUKE ENERGY CORPORATION
QUALITY ASSURANCE TECHNICAL SERVICES
Inservice Inspection Database Management System

Oconee 2

Inservice Inspection Plan for Interval 3 Outage 4

ITEM NUMBER	ID NUMBER	SYS	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
****** Nozzle Inside Radius Section ******									
B03.140.005	2-SGA-WG25	50	ISI-OCN2-003	NDE-680	UT	CS	48.630	40393	Steam Generator 2A Inlet Nozzle Pc.70. (Inside Radius Section)
			OM-1201-450				8.000		
Class A			B&W103213D		Nozzle to Upper Head				

Total B03.140 Items: 1

Total B03 Items: 2

CATEGORY B-F, Pressure Retaining Dissimilar Metal Welds

[redacted] Pressurizer

DUKE ENERGY CORPORATION
QUALITY ASSURANCE TECHNICAL SERVICES
Inservice Inspection Database Management System
Oconee 2
Inservice Inspection Plan for Interval 3 Outage 4

ITEM NUMBER	ID NUMBER	SYS	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
****** Less Than NPS 4; Nozzle-to-Safe End Butt Welds ******									
B05.050.001	2-PZR-WP91-1	50	ISI-OCN2-002	NDE-35	PT	SS-CS	2.500		Pressurizer Relief Nozzle Pc. 31 to Safe-End Pc. 32 W-X Axis.
	Circumferential		OM-1201-1526				0.375		
Class A					Nozzle Pc. 31 to				
	Dissimilar				Safe-End Pc. 32				
B05.050.002	2-PZR-WP91-2	50	ISI-OCN2-002	NDE-35	PT	SS-CS	2.500		Pressurizer Relief Nozzle Pc. 31 to Safe-End Pc. 32 X-Y Axis.
	Circumferential		OM-1201-1526				0.375		
Class A					Nozzle Pc. 31 to				
	Dissimilar				Safe-End Pc. 32				
B05.050.003	2-PZR-WP91-3	50	ISI-OCN2-002	NDE-35	PT	SS-CS	2.500		Pressurizer Relief Nozzle Pc. 31 to Safe-End Pc. 32 Z-W Axis.
	Circumferential		OM-1201-1526				0.375		
Class A					Nozzle Pc. 31 to				
	Dissimilar				Safe-End Pc. 32				

Total B05.050 Items: 3

CATEGORY B-F, Pressure Retaining Dissimilar Metal Welds

Piping

DUKE ENERGY CORPORATION
QUALITY ASSURANCE TECHNICAL SERVICES
Inservice Inspection Database Management System
Oconee 2
Inservice Inspection Plan for Interval 3 Outage 4

ITEM NUMBER	ID NUMBER	SYS	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
****** NPS 4 or Larger; Dissimilar Metal Butt Welds ******									
B05.130.003	2-PDA2-2	50	ISI-OCN2-012	NDE-610	UT	SS-CS	33.500	40350	UT from elbow side
	Circumferential		OM-1201-966				2.330		
Class A					Elbow Pc. 53 to				
	Dissimilar				Safe-End (Pc. 49)				
B05.130.003A	2-PDA2-2	50	ISI-OCN2-012	NDE-610	UT	SS-CS	33.500	40397	UT from safe-end side
	Circumferential		OM-1201-966				2.330		
Class A					Elbow Pc. 53 to				
	Dissimilar				Safe-End (Pc. 49)				
B05.130.003B	2-PDA2-2	50	ISI-OCN2-012	NDE-35	PT	SS-CS	33.500		
	Circumferential		OM-1201-966				2.330		
Class A					Elbow Pc. 53 to				
	Dissimilar				Safe-End (Pc. 49)				
B05.130.005	2-PDB2-2	50	ISI-OCN2-014	NDE-610	UT	SS-CS	33.500	40350	UT from elbow side
	Circumferential		OM-1201-966				2.330		
Class A					Elbow Pc. 53 to				
	Dissimilar				Safe-End (Pc. 49)				
B05.130.005A	2-PDB2-2	50	ISI-OCN2-014	NDE-610	UT	SS-CS	33.500	40397	UT from safe-end side
	Circumferential		OM-1201-966				2.330		
Class A					Elbow Pc. 53 to				
	Dissimilar				Safe-End (Pc. 49)				
B05.130.005B	2-PDB2-2	50	ISI-OCN2-014	NDE-35	PT	SS-CS	33.500		
	Circumferential		OM-1201-966				2.330		
Class A					Elbow Pc. 53 to				
	Dissimilar				Safe-End (Pc. 49)				

Total B05.130 Items: 6

Total B05 Items: 9

CATEGORY B-G-1, Pressure Retaining Bolting, Greater than 2" In Diameter

[redacted] Reactor Vessel

DUKE ENERGY CORPORATION
QUALITY ASSURANCE TECHNICAL SERVICES
Inservice Inspection Database Management System
Oconee 2
Inservice Inspection Plan for Interval 3 Outage 4

ITEM NUMBER	ID NUMBER	SYS	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
****** Closure Head Nuts ******									
B06.010.002	2-RPV-26-204-02	50	OM-1201-4 B&W152009E	NDE-25	MT	CS	9.250 1.300		Reactor Vessel Closure Nut Pc. 26.
Class A									
B06.010.003	2-RPV-26-204-03	50	OM-1201-4 B&W152009E	NDE-25	MT	CS	9.250 1.300		Reactor Vessel Closure Nut Pc. 26.
Class A									
B06.010.004	2-RPV-26-204-04	50	OM-1201-4 B&W152009E	NDE-25	MT	CS	9.250 1.300		Reactor Vessel Closure Nut Pc. 26.
Class A									
B06.010.005	2-RPV-26-204-05	50	OM-1201-4 B&W152009E	NDE-25	MT	CS	9.250 1.300		Reactor Vessel Closure Nut Pc. 26.
Class A									
B06.010.006	2-RPV-26-204-06	50	OM-1201-4 B&W152009E	NDE-25	MT	CS	9.250 1.300		Reactor Vessel Closure Nut Pc. 26.
Class A									
B06.010.007	2-RPV-26-204-07	50	OM-1201-4 B&W152009E	NDE-25	MT	CS	9.250 1.300		Reactor Vessel Closure Nut Pc. 26.
Class A									
B06.010.008	2-RPV-26-204-08	50	OM-1201-4 B&W152009E	NDE-25	MT	CS	9.250 1.300		Reactor Vessel Closure Nut Pc. 26.
Class A									
B06.010.009	2-RPV-26-204-09	50	OM-1201-4 B&W152009E	NDE-25	MT	CS	9.250 1.300		Reactor Vessel Closure Nut Pc. 26.
Class A									

CATEGORY B-G-1, Pressure Retaining Bolting, Greater than 2" In Diameter

[redacted] Reactor Vessel

DUKE ENERGY CORPORATION
QUALITY ASSURANCE TECHNICAL SERVICES
Inservice Inspection Database Management System
Oconee 2
Inservice Inspection Plan for Interval 3 Outage 4

ITEM NUMBER	ID NUMBER	SYS	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
B06.010.010	2-RPV-26-204-10	50	OM-1201-4 B&W152009E	NDE-25	MT	CS	9.250 1.300		Reactor Vessel Closure Nut Pc. 26.
Class A									
B06.010.011	2-RPV-26-204-11	50	OM-1201-4 B&W152009E	NDE-25	MT	CS	9.250 1.300		Reactor Vessel Closure Nut Pc. 26.
Class A									
B06.010.012	2-RPV-26-204-12	50	OM-1201-4 B&W152009E	NDE-25	MT	CS	9.250 1.300		Reactor Vessel Closure Nut Pc. 26.
Class A									
B06.010.013	2-RPV-26-204-13	50	OM-1201-4 B&W152009E	NDE-25	MT	CS	9.250 1.300		Reactor Vessel Closure Nut Pc. 26.
Class A									
B06.010.014	2-RPV-26-204-14	50	OM-1201-4 B&W152009E	NDE-25	MT	CS	9.250 1.300		Reactor Vessel Closure Nut Pc. 26.
Class A									
B06.010.015	2-RPV-26-204-15	50	OM-1201-4 B&W152009E	NDE-25	MT	CS	9.250 1.300		Reactor Vessel Closure Nut Pc. 26.
Class A									
B06.010.020	2-RPV-26-204-20	50	OM-1201-4 B&W152009E	NDE-25	MT	CS	9.250 1.300		Reactor Vessel Closure Nut Pc. 26.
Class A									
B06.010.021	2-RPV-26-204-21	50	OM-1201-4 B&W152009E	NDE-25	MT	CS	9.250 1.300		Reactor Vessel Closure Nut Pc. 26.
Class A									

Total B06.010 Items: 16

DUKE ENERGY CORPORATION
QUALITY ASSURANCE TECHNICAL SERVICES
Inservice Inspection Database Management System

CATEGORY B-G-1, Pressure Retaining Bolting, Greater than 2" In Diameter

[redacted] Reactor Vessel

Oconee 2

Inservice Inspection Plan for Interval 3 Outage 4

ITEM NUMBER	ID NUMBER	SYS	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
****** Closure Studs, when removed ******									
B06.030.002 Class A	2-RPV-25-204-02	50	OM-1201-4 B&W152009E	See Com	UT	CS	6.500 0.000	40420	Reactor Vessel Closure Studs - Removed; Pc. 25. Stud Length = 63.250. Use inspection procedure PDI-UT-5.
B06.030.002A Class A	2-RPV-25-204-02	50	OM-1201-4 B&W152009E	NDE-25	MT	CS	6.500 0.000		Reactor Vessel Closure Studs - Removed; Pc. 25. Stud Length = 63.250.
B06.030.003 Class A	2-RPV-25-204-03	50	OM-1201-4 B&W152009E	See Com	UT	CS	6.500 0.000	40420	Reactor Vessel Closure Studs - Removed; Pc. 25. Stud Length = 63.250. Use inspection procedure PDI-UT-5.
B06.030.003A Class A	2-RPV-25-204-03	50	OM-1201-4 B&W152009E	NDE-25	MT	CS	6.500 0.000		Reactor Vessel Closure Studs - Removed; Pc. 25. Stud Length = 63.250.
B06.030.004 Class A	2-RPV-25-204-64	50	OM-1201-4 B&W152009E	See Com	UT	CS	6.500 0.000	40420	Reactor Vessel Closure Studs - Removed; Pc. 25. Stud Length = 63.250. Use inspection procedure PDI-UT-5.
B06.030.004A Class A	2-RPV-25-204-64	50	OM-1201-4 B&W152009E	NDE-25	MT	CS	6.500 0.000		Reactor Vessel Closure Studs - Removed; Pc. 25. Stud Length = 63.250.
B06.030.005 Class A	2-RPV-25-204-05	50	OM-1201-4 B&W152009E	See Com	UT	CS	6.500 0.000	40420	Reactor Vessel Closure Studs - Removed; Pc. 25. Stud Length = 63.250. Use inspection procedure PDI-UT-5.
B06.030.005A Class A	2-RPV-25-204-05	50	OM-1201-4 B&W152009E	NDE-25	MT	CS	6.500 0.000		Reactor Vessel Closure Studs - Removed; Pc. 25. Stud Length = 63.250.

CATEGORY B-G-1, Pressure Retaining Bolting, Greater than 2" In Diameter

[redacted] Reactor Vessel

DUKE ENERGY CORPORATION
QUALITY ASSURANCE TECHNICAL SERVICES
Inservice Inspection Database Management System
Oconee 2
Inservice Inspection Plan for Interval 3 Outage 4

ITEM NUMBER	ID NUMBER	SYS	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
B06.030.006	2-RPV-25-204-06	50	OM-1201-4 B&W152009E	See Com	UT	CS	6.500 0.000	40420	Reactor Vessel Closure Studs - Removed; Pc. 25. Stud Length = 63.250. Use inspection procedure PDI-UT-5.
Class A									
B06.030.006A	2-RPV-25-204-06	50	OM-1201-4 B&W152009E	NDE-25	MT	CS	6.500 0.000		Reactor Vessel Closure Studs - Removed; Pc. 25. Stud Length = 63.250.
Class A									
B06.030.007	2-RPV-25-204-07	50	OM-1201-4 B&W152009E	See Com	UT	CS	6.500 0.000	40420	Reactor Vessel Closure Studs - Removed; Pc. 25. Stud Length = 63.250. Use inspection procedure PDI-UT-5.
Class A									
B06.030.007A	2-RPV-25-204-07	50	OM-1201-4 B&W152009E	NDE-25	MT	CS	6.500 0.000		Reactor Vessel Closure Studs - Removed; Pc. 25. Stud Length = 63.250.
Class A									
B06.030.008	2-RPV-25-204-08	50	OM-1201-4 B&W152009E	See Com	UT	CS	6.500 0.000	40420	Reactor Vessel Closure Studs - Removed; Pc. 25. Stud Length = 63.250. Use inspection procedure PDI-UT-5.
Class A									
B06.030.008A	2-RPV-25-204-08	50	OM-1201-4 B&W152009E	NDE-25	MT	CS	6.500 0.000		Reactor Vessel Closure Studs - Removed; Pc. 25. Stud Length = 63.250.
Class A									
B06.030.009	2-RPV-25-204-09	50	OM-1201-4 B&W152009E	See Com	UT	CS	6.500 0.000	40420	Reactor Vessel Closure Studs - Removed; Pc. 25. Stud Length = 63.250. Use inspection procedure PDI-UT-5.
Class A									
B06.030.009A	2-RPV-25-204-09	50	OM-1201-4 B&W152009E	NDE-25	MT	CS	6.500 0.000		Reactor Vessel Closure Studs - Removed; Pc. 25. Stud Length = 63.250.
Class A									
B06.030.010	2-RPV-25-204-10	50	OM-1201-4 B&W152009E	See Com	UT	CS	6.500 0.000	40420	Reactor Vessel Closure Studs - Removed; Pc. 25. Stud Length = 63.250. Use inspection procedure PDI-UT-5.
Class A									

CATEGORY B-G-1, Pressure Retaining Bolting, Greater than 2" In Diameter

[redacted] Reactor Vessel

DUKE ENERGY CORPORATION
QUALITY ASSURANCE TECHNICAL SERVICES
Inservice Inspection Database Management System
Oconee 2
Inservice Inspection Plan for Interval 3 Outage 4

ITEM NUMBER	ID NUMBER	SYS	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
B06.030.010A Class A	2-RPV-25-204-10	50	OM-1201-4 B&W152009E	NDE-25	MT	CS	6.500 0.000		Reactor Vessel Closure Studs - Removed; Pc. 25. Stud Length = 63.250.
B06.030.011 Class A	2-RPV-25-204-11	50	OM-1201-4 B&W152009E	See Com	UT	CS	6.500 0.000	40420	Reactor Vessel Closure Studs - Removed; Pc. 25. Stud Length = 63.250. Use inspection procedure PDI-UT-5.
B06.030.011A Class A	2-RPV-25-204-11	50	OM-1201-4 B&W152009E	NDE-25	MT	CS	6.500 0.000		Reactor Vessel Closure Studs - Removed; Pc. 25. Stud Length = 63.250.
B06.030.012 Class A	2-RPV-25-204-12	50	OM-1201-4 B&W152009E	See Com	UT	CS	6.500 0.000	40420	Reactor Vessel Closure Studs - Removed; Pc. 25. Stud Length = 63.250. Use inspection procedure PDI-UT-5.
B06.030.012A Class A	2-RPV-25-204-12	50	OM-1201-4 B&W152009E	NDE-25	MT	CS	6.500 0.000		Reactor Vessel Closure Studs - Removed; Pc. 25. Stud Length = 63.250.
B06.030.013 Class A	2-RPV-25-204-13	50	OM-1201-4 B&W152009E	See Com	UT	CS	6.500 0.000	40420	Reactor Vessel Closure Studs - Removed; Pc. 25. Stud Length = 63.250. Use inspection procedure PDI-UT-5.
B06.030.013A Class A	2-RPV-25-204-13	50	OM-1201-4 B&W152009E	NDE-25	MT	CS	6.500 0.000		Reactor Vessel Closure Studs - Removed; Pc. 25. Stud Length = 63.250.
B06.030.014 Class A	2-RPV-25-204-14	50	OM-1201-4 B&W152009E	See Com	UT	CS	6.500 0.000	40420	Reactor Vessel Closure Studs - Removed; Pc. 25. Stud Length = 63.250. Use inspection procedure PDI-UT-5.
B06.030.014A Class A	2-RPV-25-204-14	50	OM-1201-4 B&W152009E	NDE-25	MT	CS	6.500 0.000		Reactor Vessel Closure Studs - Removed; Pc. 25. Stud Length = 63.250.

CATEGORY B-G-1, Pressure Retaining Bolting, Greater than 2" In Diameter

[redacted] Reactor Vessel

DUKE ENERGY CORPORATION
QUALITY ASSURANCE TECHNICAL SERVICES
Inservice Inspection Database Management System
Oconee 2
Inservice Inspection Plan for Interval 3 Outage 4

ITEM NUMBER	ID NUMBER	SYS	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
B06.030.015	2-RPV-25-204-15	50	OM-1201-4 B&W152009E	See Com	UT	CS	6.500 0.000	40420	Reactor Vessel Closure Studs - Removed; Pc. 25. Stud Length = 63.250. Use inspection procedure PDI-UT-5.
Class A									
B06.030.015A	2-RPV-25-204-15	50	OM-1201-4 B&W152009E	NDE-25	MT	CS	6.500 0.000		Reactor Vessel Closure Studs - Removed; Pc. 25. Stud Length = 63.250.
Class A									
B06.030.020	2-RPV-25-204-20	50	OM-1201-4 B&W152009E	See Com	UT	CS	6.500 0.000	40420	Reactor Vessel Closure Studs - Removed; Pc. 25. Stud Length = 63.250. Use inspection procedure PDI-UT-5.
Class A									
B06.030.020A	2-RPV-25-204-20	50	OM-1201-4 B&W152009E	NDE-25	MT	CS	6.500 0.000		Reactor Vessel Closure Studs - Removed; Pc. 25. Stud Length = 63.250.
Class A									
B06.030.021	2-RPV-25-204-21	50	OM-1201-4 B&W152009E	See Com	UT	CS	6.500 0.000	40420	Reactor Vessel Closure Studs - Removed; Pc. 25. Stud Length = 63.250. Use inspection procedure PDI-UT-5.
Class A									
B06.030.021A	2-RPV-25-204-21	50	OM-1201-4 B&W152009E	NDE-25	MT	CS	6.500 0.000		Reactor Vessel Closure Studs - Removed; Pc. 25. Stud Length = 63.250.
Class A									

Total B06.030 Items: 32

CATEGORY B-G-1, Pressure Retaining Bolting, Greater than 2" In Diameter

[redacted] Reactor Vessel

DUKE ENERGY CORPORATION
QUALITY ASSURANCE TECHNICAL SERVICES
Inservice Inspection Database Management System
Oconee 2
Inservice Inspection Plan for Interval 3 Outage 4

ITEM NUMBER	ID NUMBER	SYS ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK CAL BLOCKS	COMMENTS
****** Closure Washers, Bushings ******							
B06.050.001B	2-RPV-WASH-BUSH	50	QAL-13	VT-1	CS	9.750	Reactor Vessel Closure Washers and Bushings.
		B&W152009E				0.000	Stud Holes 2 Thru 15, 20 and 21.
Class A							

Total B06.050 Items: 1

CATEGORY B-G-1, Pressure Retaining Bolting, Greater than 2" In Diameter

[redacted] Pressurizer

DUKE ENERGY CORPORATION
QUALITY ASSURANCE TECHNICAL SERVICES
Inservice Inspection Database Management System
Oconee 2
Inservice Inspection Plan for Interval 3 Outage 4

ITEM NUMBER	ID NUMBER	SYS ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
****** Bolts and Studs ******								
B06.060.001	2-PZR-MW-STUDS	50	See Com	UT	CS	2.750	40425	Pressurizer Manway Studs Pc. 67; 12 Studs. Stud Length = 14.875"
		B&W149775E				0.000		Use inspection procedure PDI-UT-5.
Class A								

Total B06.060 Items: 1

CATEGORY B-G-1, Pressure Retaining Bolting, Greater than 2" In Diameter

[redacted] Pressurizer

DUKE ENERGY CORPORATION
QUALITY ASSURANCE TECHNICAL SERVICES
Inservice Inspection Database Management System

Oconee 2

Inservice Inspection Plan for Interval 3 Outage 4

ITEM NUMBER	ID NUMBER	SYS ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK CAL BLOCKS	COMMENTS
****** Nuts, Bushings, and Washers ******							
B06.080.001	2-PZR-MW-NUTS	50	QAL-13	VT-1	CS	2.750	Pressurizer Manway Nuts Pc. 68; including
		24893F				0.000	Bushings and Washers.
Class A							

Total B06.080 Items:	1
Total B06 Items:	51

CATEGORY B-G-2, Pressure Retaining Bolting, 2" And Less In Diameter

[redacted] Steam Generators

DUKE ENERGY CORPORATION
QUALITY ASSURANCE TECHNICAL SERVICES
Inservice Inspection Database Management System
Oconee 2
Inservice Inspection Plan for Interval 3 Outage 4

ITEM NUMBER	ID NUMBER	SYS	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
****** Bolts, Studs, and Nuts ******									
B07.030.005	2-SGA-UHIC-BOLT	50	OM-1201-1477	QAL-13	VT-1	SS	1.000 0.000		Steam Generator 2A Upper Head Inspection Cover Studs & Nuts (Total 12 Studs Pc. 112 and Nuts Pc. 110). Length = 6.000".
Class A									
B07.030.006	2-SGA-LHIC-BOLT	50	OM-1201-1477	QAL-13	VT-1	SS	1.000 0.000		Steam Generator 2A Lower Head Inspection Cover Studs & Nuts (Total 12 Studs Pc. 112 and Nuts Pc. 110). Length = 6.000".
Class A									

Total B07.030 Items: 2

CATEGORY B-G-2, Pressure Retaining Bolting, 2" And Less In Diameter

[redacted] Valves

DUKE ENERGY CORPORATION
QUALITY ASSURANCE TECHNICAL SERVICES
Inservice Inspection Database Management System
Oconee 2
Inservice Inspection Plan for Interval 3 Outage 4

ITEM NUMBER	ID NUMBER	SYS ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
****** Bolts, Studs, and Nuts ******								
B07.070.007	2-53A-LP1-BOLTS	53A	QAL-13	VT-1	SS	0.000		Decay Heat Removal. Valve LP-1 Bolting.
		OM-245-001				0.000		
Class A		OFD-102A-2.1						

Total B07.070 Items: 1

CATEGORY B-G-2, Pressure Retaining Bolting, 2" And Less In Diameter

[redacted] CRD Housings

DUKE ENERGY CORPORATION
QUALITY ASSURANCE TECHNICAL SERVICES
Inservice Inspection Database Management System
Oconee 2
Inservice Inspection Plan for Interval 3 Outage 4

ITEM NUMBER	ID NUMBER	SYS	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
****** Bolts, Studs, and Nuts ******									
B07.080.001	2-RPV-CRD-BOLTS	50	DPS 706599-1056	QAL-13	VT-1	CS	1.250		CRD Housing Bolts (Total 8 Bolts) CRD # 1,2,5,44,47,7,20, 37, 40, 46, & 60 Inspected to date. (Inspect only if disassembled). Reference Request for Relief ONS-004 and ONS-005.
			OM-201-2248				0.000		
Class A			B&W152006E						
B07.080.002	2-RPV-CRD-RINGS	50	DPS 706599-1056	QAL-13	VT-1	CS	11.500		CRD Housing Rings ; 1 Pair per housing Pc.120 ; CRD # 1,2,5,44,477,20,37, 40, 46, & 60)Inspected to date.(Inspect only if disassembled).
			OM-201-2248				1.250		
Class A			B&W152006E						

Total B07.080 Items: 2

Total B07 Items: 5

CATEGORY B-J, Pressure Retaining Welds In Piping

[redacted] NPS 4 or Larger

DUKE ENERGY CORPORATION
QUALITY ASSURANCE TECHNICAL SERVICES
Inservice Inspection Database Management System
Oconee 2
Inservice Inspection Plan for Interval 3 Outage 4

ITEM NUMBER	ID NUMBER	SYS	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
****** Circumferential Welds ******									
B09.011.002	2-53A-10-8 Circumferential	53A	2-53A-10 OFD-102A-2.1	NDE-600	UT	SS	12.000 1.125		Reference Request for Relief 95-GO-03 for calibration block.
Class A					Pipe to Elbow				
B09.011.002A	2-53A-10-8 Circumferential	53A	2-53A-10 OFD-102A-2.1	NDE-35	PT	SS	12.000 1.125		
Class A					Pipe to Elbow				
B09.011.010	2-53A-8-60 Circumferential	53A	2-53A-8(2) OFD-102A-2.3	NDE-600	UT	SS	14.000 1.250		Reference Request for Relief 95-GO-03 for calibration block.
Class A					Elbow to Tee				
B09.011.010A	2-53A-8-60 Circumferential	53A	2-53A-8(2) OFD-102A-2.3	NDE-35	PT	SS	14.000 1.250		
Class A					Elbow to Tee				
B09.011.020	2-PHA-12 Circumferential	50	ISI-OCN2-005 OM-1201-966	NDE-600	UT	CS	42.750 3.000		TERMINAL END Reference Request for Relief 95-GO-03 for calibration block.
Class A	Term end				Nozzle Pc. 70 to Pipe Pc. 36				
B09.011.020A	2-PHA-12 Circumferential	50	ISI-OCN2-005 OM-1201-966	NDE-25	MT	CS	42.750 3.000		TERMINAL END
Class A	Term end				Nozzle Pc.70 to Pipe Pc. 36				
B09.011.024	2-PIA1-4 Circumferential	50	ISI-OCN2-007 OM-1201-966	NDE-600	UT	CS	33.500 2.330		Request for Relief ONS-003 Reference Request for Relief 95-GO-03 for calibration block.
Class A	Stress weld				Pipe Pc.63 to Elbow Pc. 62				
B09.011.024A	2-PIA1-4 Circumferential	50	ISI-OCN2-007 OM-1201-966	NDE-25	MT	CS	33.500 2.330		
Class A	Stress weld				Pipe Pc.63 to Elbow Pc. 62				

CATEGORY B-J, Pressure Retaining Welds In Piping

[redacted] NPS 4 or Larger

DUKE ENERGY CORPORATION
QUALITY ASSURANCE TECHNICAL SERVICES
Inservice Inspection Database Management System
Oconee 2
Inservice Inspection Plan for Interval 3 Outage 4

ITEM NUMBER	ID NUMBER	SYS	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
B09.011.026	2-PIA2-4	50	ISI-OCN2-008	NDE-600	UT	CS	33.500		Reference Request for Relief 95-GO-03 for calibration block.
	Circumferential		OM-1201-966				2.330		
Class A	Stress weld				Pipe Pc. 63 to Elbow Pc.62				
B09.011.026A	2-PIA2-4	50	ISI-OCN2-008	NDE-25	MT	CS	33.500		
	Circumferential		OM-1201-966				2.330		
Class A	Stress weld				Pipe Pc. 63 to Elbow Pc.62				
B09.011.028	2-PIB1-4	50	ISI-OCN2-009	NDE-600	UT	CS	33.500		Reference Request for Relief 95-GO-03 for calibration block.
	Circumferential		OM-1201-966				2.330		
Class A	Stress weld				Pipe Pc. 63 to Elbow Pc. 62				
B09.011.028A	2-PIB1-4	50	ISI-OCN2-009	NDE-25	MT	CS	33.500		
	Circumferential		OM-1201-966				2.330		
Class A	Stress weld				Pipe Pc. 63 to Elbow Pc. 62				

Total B09.011 Items: 12

CATEGORY B-J, Pressure Retaining Welds In Piping

[redacted] Less Than NPS 4

DUKE ENERGY CORPORATION
QUALITY ASSURANCE TECHNICAL SERVICES
Inservice Inspection Database Management System
Oconee 2
Inservice Inspection Plan for Interval 3 Outage 4

ITEM NUMBER	ID NUMBER	SYS	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
**** Circumferential Welds ****									
B09.021.022	2-51A-30-11	51A	2-51A-30	NDE-35	PT	SS	2.500		
	Circumferential		OFD-101A-2.4				0.375		
Class A					Pipe to Pipe				
B09.021.024	2HP-217-4	51A	2HP-217	NDE-35	PT	SS	2.500		This weld was listed previously as 2-51A-30-22 until iso 2-51A-30 was redrawn.
	Circumferential		OFD-101A-2.4				0.375		
Class A					Pipe to Elbow				
B09.021.030	2HP-216-4	51A	2HP-216	NDE-35	PT	SS	2.500		This weld was listed previously as 2-51A-30-44 until iso 2-51A-30 was redrawn.
	Circumferential		OFD-101A-2.4				0.375		
Class A					Flange to Pipe				
B09.021.035	2-51A-35-40	51A	2-51A-35 (2)	NDE-35	PT	SS	2.500		
	Circumferential		OFD-101A-2.1				0.375		
Class A					Pipe to Elbow				
B09.021.039	2RC-204-18	51A	2RC-204	NDE-35	PT	SS	2.500		This weld was listed previously as 2-51A-39-44 until iso 2-51A-39 was redrawn as 2RC-204 and was given the new weld number of 2RC-204-1. Revision 4 to iso 2RC-204 deleted weld 1 and reassigned weld number 18 to the same weld. Inspect this weld at the same time item number G02.001.008A is inspected.
	Circumferential		OFD-100A-2.1				0.375		
Class A	Stress weld				Safe End to Pipe				
B09.021.041	2RC-202-1	51A	2RC-202	NDE-35	PT	SS	2.500		This weld was listed previously as 2-51A-39-90C until iso 2-51A-39 was redrawn. Inspect this weld at the same time item number G02.001.008C is inspected.
	Circumferential		OFD-100A-2.1				0.375		
Class A	Stress weld				Pipe to Pipe				
B09.021.042	2RC-205-1	51A	2RC-205	NDE-35	PT	SS	2.500		This weld was listed previously as 2-51A-39-92A until iso 2-51A-39 was redrawn. Inspect this weld at the same time that item number G02.001.008D is inspected.
	Circumferential		OFD-100A-2.1				0.375		
Class A	Stress weld				Pipe to Pipe				
B09.021.043	2RC-205-3	51A	2RC-205	NDE-35	PT	SS	2.500		This weld was listed previously as 2-51A-39-93 until iso 2-51A-39 was redrawn. Inspect this weld at the same time item number G02.001.010D is inspected.
	Circumferential		OFD-101A-2.4				0.375		
Class A					Pipe to Valve 2HP-152				

CATEGORY B-J, Pressure Retaining Welds In Piping

[redacted] Less Than NPS 4

DUKE ENERGY CORPORATION
QUALITY ASSURANCE TECHNICAL SERVICES
Inservice Inspection Database Management System
Oconee 2
Inservice Inspection Plan for Interval 3 Outage 4

ITEM NUMBER	ID NUMBER	SYS	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
B09.021.050	2-50-7-34	50	2-50-7 (1)	NDE-35	PT	SS	1.500		
	Circumferential		OFD-100A-2.1				0.281		
Class A					Elbow to Pipe				
B09.021.052	2-PSP-24	50	ISI-OCN2-016	NDE-35	PT	SS	1.500		
	Circumferential		OFD-100A-2.2				0.281		
Class A	Stress weld				Tee to Reducer				

Total B09.021 Items: 10

CATEGORY B-J, Pressure Retaining Welds In Piping

[redacted] Branch Pipe Connection Welds

DUKE ENERGY CORPORATION
QUALITY ASSURANCE TECHNICAL SERVICES
Inservice Inspection Database Management System
Oconee 2
Inservice Inspection Plan for Interval 3 Outage 4

ITEM NUMBER	ID NUMBER	SYS	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
****** Less Than NPS 4 ******									
B09.032.004	2-PDB1-10	50	ISI-OCN2-013	NDE-25	MT	CS	12.000		The NPS of the branch piping is 2.5 Inches.
	Branch		OM-1201-966				2.250		
Class A	Stress weld		OM-1201-969		Nozzle Pc. 46 to Pipe Pc.44				
B09.032.006	2-PDB2-10	50	ISI-OCN2-014	NDE-25	MT	CS	12.000		B2 Discharge HPI Nozzle. The NPS of the branch piping is 2.5 Inches.
	Branch		OM-1201-966				2.250		
Class A	Stress weld		OM-1201-969		Nozzle Pc. 46 to Pipe Pc.44				

Total B09.032 Items: 2

CATEGORY B-J, Pressure Retaining Welds In Piping

DUKE ENERGY CORPORATION
QUALITY ASSURANCE TECHNICAL SERVICES
Inservice Inspection Database Management System

Oconee 2

Inservice Inspection Plan for Interval 3 Outage 4

[redacted] Socket Welds

ITEM NUMBER	ID NUMBER	SYS	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
B09.040.005	2-50-129-7	50	2-50-129	NDE-35	PT	SS	1.500		
	Socket		OFD-100A-2.2				0.281		
Class A					Elbow to Pipe				
B09.040.008	2-50-7-102	50	2-50-7 (1)	NDE-35	PT	SS	1.500		
	Socket		OFD-100A-2.1				0.281		
Class A					Pipe to Elbow				

Total B09.040 Items: 2

Total B09 Items: 26

CATEGORY B-N-1, Interior of Reactor Vessel

DUKE ENERGY CORPORATION
QUALITY ASSURANCE TECHNICAL SERVICES
Inservice Inspection Database Management System

Oconee 2

Inservice Inspection Plan for Interval 3 Outage 4

[redacted] Reactor Vessel

ITEM NUMBER	ID NUMBER	SYS	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
****** Vessel Interior ******									
B13.010.001	2-RPV-INT-SURFACE	50		QAL-14	VT-3	SS	0.000		Reactor Vessel Internal Surfaces
			B&W152008E				0.000		Note: Prior to Vessel inspection in outage 5, we need to verify that we have the Framatone inspection procedure listed in the ISI Plan General Requirements and with the item number.
Class A			ISI-OCN2-001						

Total B13.010 Items: 1

Total B13 Items: 1

CATEGORY C-A, Pressure Retaining Welds In Pressure Vessels

[redacted] Shell Circumferential Welds

DUKE ENERGY CORPORATION
QUALITY ASSURANCE TECHNICAL SERVICES
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Oconee 2
Inservice Inspection Plan for Interval 3 Outage 4

ITEM NUMBER	ID NUMBER	SYS ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
C01.010.001	2-SGA-WG8-1	ISI-OCN2-003	NDE-620	UT	CS	138.000	40339	Steam Generator 2A Shell Pc. 1 to Shell Pc. 2.
	Circumferential	OM-1201-450	See Com			4.188	50236	Calibration block 50236 is being added as a result of revision 8 to examination procedure NDE-620. Procedure PDI-UT-6 may be used.
Class B				SGA Shell to SGA Shell				

Total C01.010 Items: 1

CATEGORY C-A, Pressure Retaining Welds In Pressure Vessels

[redacted] Tubesheet-to-Shell Weld

DUKE ENERGY CORPORATION
QUALITY ASSURANCE TECHNICAL SERVICES
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Oconee 2
Inservice Inspection Plan for Interval 3 Outage 4

ITEM NUMBER	ID NUMBER	SYS ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
C01.030.001	2-SGA-WG60	ISI-OCN2-003	NDE-620	UT	CS	138.000	40338	Steam Generator 2A Upper Tubesheet Pc. 51 to Shell Pc. 1.
	Circumferential	OM-1201-450	See Com			6.625	50236	Calibration block 50236 is being added as a result of revision 8 to examination procedure NDE-620. Procedure PDI-UT-6 may be used.
Class B				Tubesheet to Shell				The inspection in Outage 5 is to meet the Section XI requirements of paragraph IWC-2420(b). This surveillance inspection is due to the reportable indication discovered in Outage 4.
C01.030.004	2-SGA-WG59	ISI-OCN2-003	NDE-620	UT	CS	138.000	40338	Steam Generator 2A Lower Tubesheet Pc. 50 to Shell Pc. 6.
	Circumferential	OM-1201-450	See Com			6.625	50236	The inspection in outage 4 for this item number is to meet the requirements of IWC-2430(a) (additional examinations). This is not to be counted in the percentages in outage 4. Procedure PDI-UT-6 may be Used.
Class B				Tubesheet to Shell				

Total C01.030 Items: 3

Total C01 Items: 3

CATEGORY C-C, Integral Attachments For Vessels, Piping, Pumps, And Valves

DUKE ENERGY CORPORATION
QUALITY ASSURANCE TECHNICAL SERVICES
Inservice Inspection Database Management System
Oconee 2
Inservice Inspection Plan for Interval 3 Outage 4

Piping

ITEM NUMBER	ID NUMBER	SYS	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
****** Integrally Welded Attachments ******									
C03.020.002	2-01A-H11B	01A	0-1481B	NDE-25	MT	CS	36.000		FILE NO. OSC-440
	Constant Support		OFD-122A-2.1				2.000		PROBLEM NO. 2-01-01 PAGE 40
Class B									MAIN STEAM PIPING
C03.020.003	2-01A-H12	01A	0-1441	NDE-25	MT	CS	36.000		FILE NO. OSC-440
	Rigid Restraint		OFD-122A-2.1				0.750		PROBLEM NO. 2-01-01 PAGE 40
Class B									MAIN STEAM PIPING
C03.020.004	2-01A-H13	01A	0-1441	NDE-25	MT	CS	36.000		FILE NO. OSC-440
	Rigid Restraint		OFD-122A-2.1				0.750		PROBLEM NO. 2-01-01 PAGE 40
Class B									MAIN STEAM PIPING
C03.020.007	2-01A-H1B	01A	0-1480A	NDE-25	MT	CS	26.000		FILE NO. OSC-440
	Constant Support		OFD-122A-2.1	NDE-35			1.000		PROBLEM NO. 2-01-01 PAGE 40
Class B									MAIN STEAM PIPING PT may be performed in areas where MT examination is not possible due to geometry.
C03.020.016	2-01A-R7	01A	0-1441	NDE-25	MT	CS	36.000		FILE NO. OSC-440
	Mech Snubber		OFD-122A-2.1				1.000		PROBLEM NO. 2-01-01 PAGE 40
Class B									MAIN STEAM PIPING. INSPECT WITH ITEM NO. F01.050.079
C03.020.037	2-51A-H13C	51A	0-1478A	NDE-35	PT	SS	2.500		File Number = OSC-1322; Problem Number =
	Rigid Restraint		OFD-101A-2.1				0.750		2-51-25; Drawing No.= 0-1492b-4(s) & Drawing
Class B									No.= 0-1492b-4A(s); SYSTEM 51a
C03.020.038	2-51A-H173	51A	0-1439B	NDE-35	PT	SS	4.000		FILE NO. OSC-1023 PAGE 47.1 PROBLEM
	Rigid Restraint		OFD-101A-2.4				0.750		NO.2-51-18
Class B									HPI SYSTEM CROSSOVER LINE
C03.020.054	2-54A-H5	54A	3-0-1439C	NDE-35	PT	SS	8.000		FILE NO. OS-496, PROBLEM NO. 2-54-03 SHT 1
	Rigid Restraint		OFD-103A-2.1				1.000		OF 2. SYSTEM 54A.
Class B									

Total C03.020 Items: 8

CATEGORY C-C, Integral Attachments For Vessels, Piping, Pumps, And Valves

[redacted]Piping

DUKE ENERGY CORPORATION
QUALITY ASSURANCE TECHNICAL SERVICES
Inservice Inspection Database Management System
Oconee 2
Inservice Inspection Plan for Interval 3 Outage 4

ITEM NUMBER	ID NUMBER	SYS ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
Total C03 Items:	8							

CATEGORY C-F-1, Pressure Retaining Welds In Austenitic SS or High Alloy Piping

Piping Welds >= 3/8 in. Nominal Wall Thickness for Piping > NPS 4

DUKE ENERGY CORPORATION
QUALITY ASSURANCE TECHNICAL SERVICES
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ITEM NUMBER	ID NUMBER	SYS	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
****** Circumferential Weld ******									
C05.011.009	2LP-150-39	53A	2LP-150	NDE-600	UT	SS	10.000		Reference Request for Relief 95-GO-03 for calibration block.
	Circumferential		OFD-102A-2.3				1.125		This weld was listed previously as 2-53A-9-39 until iso 2-53A-9 was redrawn.
Class B					Pipe to Elbow				
C05.011.009A	2LP-150-39	53A	2LP-150	NDE-35	PT	SS	10.000		This weld was listed previously as 2-53A-9-39 until iso 2-53A-9 was redrawn.
	Circumferential		OFD-102A-2.3				1.125		
Class B					Pipe to Elbow				
C05.011.010	2LP-150-40	53A	2LP-150	NDE-600	UT	SS	10.000		Reference Request for Relief 95-GO-03 for calibration block.
	Circumferential		OFD-102A-2.3				1.125		This weld was listed previously as 2-53A-9-40 until iso 2-53A-9 was redrawn.
Class B					Pipe to Elbow				
C05.011.010A	2LP-150-40	53A	2LP-150	NDE-35	PT	SS	10.000		This weld was listed previously as 2-53A-9-40 until iso 2-53A-9 was redrawn.
	Circumferential		OFD-102A-2.3				1.125		
Class B					Pipe to Elbow				
C05.011.013	2LP-148-89	53A	2LP-148	NDE-600	UT	SS 160	10.000		Reference Request for Relief 95-GO-03 for calibration block.
	Circumferential		OFD-102A-2.2				1.125		
Class B					Pipe to Reducer				
C05.011.013A	2LP-148-89	53A	2LP-148	NDE-35	PT	SS 160	10.000		
	Circumferential		OFD-102A-2.2				1.125		
Class B					Pipe to Reducer				
C05.011.015	2LP-148-92	53A	2LP-148	NDE-600	UT	SS 160	10.000		Reference Request for Relief 95-GO-03 for calibration block.
	Circumferential		OFD-102A-2.2				1.125		
Class B					Pipe to Elbow				
C05.011.015A	2LP-148-92	53A	2LP-148	NDE-35	PT	SS 160	10.000		
	Circumferential		OFD-102A-2.2				1.125		
Class B					Pipe to Elbow				

Total C05.011 Items: 8

CATEGORY C-F-1, Pressure Retaining Welds In Austenitic SS or High Alloy Piping

Piping Welds > 1/5 in. Nom Wall For Piping >= NPS 2 And <= NPS 4

DUKE ENERGY CORPORATION
QUALITY ASSURANCE TECHNICAL SERVICES
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ITEM NUMBER	ID NUMBER	SYS	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
****** Circumferential Weld ******									
C05.021.011	2-51A-131-13	51A	2-51A-131	NDE-600	UT	SS	4.000		Reference Request for Relief 95-GO-03 for calibration block.
	Circumferential		OFD-101A-2.4				0.531		
Class B					Elbow to Pipe				
C05.021.011A	2-51A-131-13	51A	2-51A-131	NDE-35	PT	SS	4.000		
	Circumferential		OFD-101A-2.4				0.531		
Class B					Elbow to Pipe				
C05.021.012	2-51A-131-6C	51A	2-51A-131	NDE-600	UT	SS	4.000		Reference Request for Relief 95-GO-03 for calibration block.
	Circumferential		OFD-101A-2.4				0.531		
Class B					Elbow to Pipe				
C05.021.012A	2-51A-131-6C	51A	2-51A-131	NDE-35	PT	SS	4.000		
	Circumferential		OFD-101A-2.4				0.531		
Class B					Elbow to Pipe				
C05.021.042	2-51A-28-106AA	51A	2-51A-28 (2)	NDE-600	UT	SS	4.000		Reference Request for Relief 95-GO-03 for calibration block.
	Circumferential		OFD-101A-2.4				0.674		
Class B					Elbow to Tee				
C05.021.042A	2-51A-28-106AA	51A	2-51A-28 (2)	NDE-35	PT	SS	4.000		
	Circumferential		OFD-101A-2.4				0.674		
Class B					Elbow to Tee				
C05.021.043	2-51A-28-106C	51A	2-51A-28 (2)	NDE-600	UT	SS	4.000		Reference Request for Relief 95-GO-03 for calibration block.
	Circumferential		OFD-101A-2.4				0.674		
Class B					Tee to Pipe				
C05.021.043A	2-51A-28-106C	51A	2-51A-28 (2)	NDE-35	PT	SS	4.000		
	Circumferential		OFD-101A-2.4				0.674		
Class B					Tee to Pipe				

DUKE ENERGY CORPORATION
QUALITY ASSURANCE TECHNICAL SERVICES
Inservice Inspection Database Management System

Oconee 2

Inservice Inspection Plan for Interval 3 Outage 4

CATEGORY C-F-1, Pressure Retaining Welds In Austenitic SS or High Alloy Piping

Piping Welds > 1/5 in. Nom Wall For Piping >= NPS 2 And <= NPS 4

ITEM NUMBER	ID NUMBER	SYS	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
C05.021.044 Class B	2HP-341-V1 Circumferential	51A	2HP-341 OFD-101A-2.4	NDE-600	UT Valve 2HP-120 to Pipe	SS	2.500 0.375		Reference Request for Relief 95-GO-03 for calibration block. This weld used to be listed as 2-51A-28-80A and was shown on isometric 2-51A-28 (2). This weld is a vendor weld joining valve 2HP-120.
C05.021.044A Class B	2HP-341-V1 Circumferential	51A	2HP-341 OFD-101A-2.4	NDE-35	PT Valve 2HP-120 to Pipe	SS	2.500 0.375		This weld used to be listed as 2-51A-28-80A and was shown on isometric 2-51A-28 (2). This weld is a vendor weld joining valve 2HP-120.
C05.021.045 Class B	2-51A-28-65 Circumferential	51A	2-51A-28 (3) OFD-101A-2.4	NDE-600	UT Pipe to Tee	SS	4.000 0.531		Reference Request for Relief 95-GO-03 for calibration block.
C05.021.045A Class B	2-51A-28-65 Circumferential	51A	2-51A-28 (3) OFD-101A-2.4	NDE-35	PT Pipe to Tee	SS	4.000 0.531		
C05.021.060 Class B	2-51A-17-95 Circumferential	51A	2-51A-17 (2) OFD-101A-2.2	NDE-600	UT Elbow to Pipe	SS	2.500 0.375		Reference Request for Relief 95-GO-03 for calibration block.
C05.021.060A Class B	2-51A-17-95 Circumferential	51A	2-51A-17 (2) OFD-101A-2.2	NDE-35	PT Elbow to Pipe	SS	2.500 0.375		
C05.021.061 Class B	2-51A-17-96 Circumferential	51A	2-51A-17 (2) OFD-101A-2.2	NDE-600	UT Elbow to Pipe	SS	2.500 0.375		Reference Request for Relief 95-GO-03 for calibration block.
C05.021.061A Class B	2-51A-17-96 Circumferential	51A	2-51A-17 (2) OFD-101A-2.2	NDE-35	PT Elbow to Pipe	SS	2.500 0.375		

CATEGORY C-F-1, Pressure Retaining Welds In Austenitic SS or High Alloy Piping

Piping Welds > 1/5 in. Nom Wall For Piping >= NPS 2 And <= NPS 4

DUKE ENERGY CORPORATION
QUALITY ASSURANCE TECHNICAL SERVICES
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Oconee 2
Inservice Inspection Plan for Interval 3 Outage 4

ITEM NUMBER	ID NUMBER	SYS	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
C05.021.062	2-51A-17-97	51A	2-51A-17 (2)	NDE-600	UT	SS	2.500		Reference Request for Relief 95-GO-03 for calibration block.
	Circumferential		OFD-101A-2.2				0.375		
Class B					Pipe to Elbow				
C05.021.062A	2-51A-17-97	51A	2-51A-17 (2)	NDE-35	PT	SS	2.500		
	Circumferential		OFD-101A-2.2				0.375		
Class B					Pipe to Elbow				
C05.021.063	2-51A-17-98	51A	2-51A-17 (2)	NDE-600	UT	SS	2.500		Reference Request for Relief 95-GO-03 for calibration block.
	Circumferential		OFD-101A-2.2				0.375		
Class B					Elbow to Pipe				
C05.021.063A	2-51A-17-98	51A	2-51A-17 (2)	NDE-35	PT	SS	2.500		
	Circumferential		OFD-101A-2.2				0.375		
Class B					Elbow to Pipe				
C05.021.064	2-51A-17-98B	51A	2-51A-17 (2)	NDE-600	UT	SS	2.500		Reference Request for Relief 95-GO-03 for calibration block.
	Circumferential		OFD-101A-2.2				0.375		
Class B					Elbow to Pipe				
C05.021.064A	2-51A-17-98B	51A	2-51A-17 (2)	NDE-35	PT	SS	2.500		
	Circumferential		OFD-101A-2.2				0.375		
Class B					Elbow to Pipe				
C05.021.065	2-51A-17-98D	51A	2-51A-17 (2)	NDE-600	UT	SS	2.500		Reference Request for Relief 95-GO-03 for calibration block.
	Circumferential		OFD-101A-2.2				0.375		
Class B					Elbow to Pipe				
C05.021.065A	2-51A-17-98D	51A	2-51A-17 (2)	NDE-35	PT	SS	2.500		
	Circumferential		OFD-101A-2.2				0.375		
Class B					Elbow to Pipe				
C05.021.086	2-51A-27-18	51A	2-51A-27 (1)	NDE-600	UT	SS	4.000		Reference Request for Relief 95-GO-03 for calibration block.
	Circumferential		OFD-101A-2.4				0.531		
Class B					Elbow to Pipe				

DUKE ENERGY CORPORATION
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CATEGORY C-F-1, Pressure Retaining Welds In Austenitic SS or High Alloy Piping

Piping Welds > 1/5 in. Nom Wall For Piping >= NPS 2 And <= NPS 4

Oconee 2

Inservice Inspection Plan for Interval 3 Outage 4

ITEM NUMBER	ID NUMBER	SYS	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
C05.021.086A	2-51A-27-18	51A	2-51A-27 (1)	NDE-35	PT	SS	4.000		
	Circumferential		OFD-101A-2.4				0.531		
Class B					Elbow to Pipe				
C05.021.092	2HP-220-6	51A	2HP-220	NDE-600	UT	SS	4.000		Reference Request for Relief 95-GO-03 for calibration block.
	Circumferential		OFD-101A-2.4				0.531		This weld was listed previously as 2-51A-27-37 until iso 2-51A-27(1) was redrawn.
Class B					Pipe to Elbow				
C05.021.092A	2HP-220-6	51A	2HP-220	NDE-35	PT	SS	4.000		This weld was listed previously as 2-51A-27-37 until iso 2-51A-27(1) was redrawn.
	Circumferential		OFD-101A-2.4				0.531		
Class B					Pipe to Elbow				
C05.021.098	2-51A-33-18	51A	2-51A-33	NDE-600	UT	SS	2.500		Reference Request for Relief 95-GO-03 for calibration block.
	Circumferential		OFD-101A-2.1				0.375		
Class B					Pipe to Pipe				
C05.021.098A	2-51A-33-18	51A	2-51A-33	NDE-35	PT	SS	2.500		
	Circumferential		OFD-101A-2.1				0.375		
Class B					Pipe to Pipe				
C05.021.104	2-51A-33-5	51A	2-51A-33	NDE-600	UT	SS	2.500		Reference Request for Relief 95-GO-03 for calibration block.
	Circumferential		OFD-101A-2.1				0.375		
Class B					Elbow to Pipe				
C05.021.104A	2-51A-33-5	51A	2-51A-33	NDE-35	PT	SS	2.500		
	Circumferential		OFD-101A-2.1				0.375		
Class B					Elbow to Pipe				
C05.021.110	2HP-221-1	51A	2HP-221	NDE-600	UT	SS	4.000		Reference Request for Relief 95-GO-03 for calibration block.
	Circumferential		OFD-101A-2.4				0.531		This weld was listed previously as 2-51A-128-1 until iso 2-51A-128 was redrawn.
Class B					Pipe to Elbow				
C05.021.110A	2HP-221-1	51A	2HP-221	NDE-35	PT	SS	4.000		This weld was listed previously as 2-51A-128-1 until iso 2-51A-128 was redrawn.
	Circumferential		OFD-101A-2.4				0.531		
Class B					Pipe to Elbow				

DUKE ENERGY CORPORATION
QUALITY ASSURANCE TECHNICAL SERVICES
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Oconee 2
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CATEGORY C-F-1, Pressure Retaining Welds In Austenitic SS or High Alloy Piping

Piping Welds > 1/5 in. Nom Wall For Piping >= NPS 2 And <= NPS 4

ITEM NUMBER	ID NUMBER	SYS	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
C05.021.111	2HP-221-11	51A	2HP-221	NDE-600	UT	SS	4.000		Reference Request for Relief 95-GO-03 for calibration block.
	Circumferential		OFD-101A-2.4				0.531		This weld was listed previously as 2-51A-128-11 until iso 2-51A-128 was redrawn.
Class B					Pipe to Elbow				
C05.021.111A	2HP-221-11	51A	2HP-221	NDE-35	PT	SS	4.000		This weld was listed previously as 2-51A-128-11 until iso 2-51A-128 was redrawn.
	Circumferential		OFD-101A-2.4				0.531		
Class B					Pipe to Elbow				
C05.021.112	2HP-221-13	51A	2HP-221	NDE-600	UT	SS	4.000		Reference Request for Relief 95-GO-03 for calibration block.
	Circumferential		OFD-101A-2.4				0.531		This weld was listed previously as 2-51A-128-13 until iso 2-51A-128 was redrawn.
Class B					Pipe to Elbow				
C05.021.112A	2HP-221-13	51A	2HP-221	NDE-35	PT	SS	4.000		This weld was listed previously as 2-51A-128-13 until iso 2-51A-128 was redrawn.
	Circumferential		OFD-101A-2.4				0.531		
Class B					Pipe to Elbow				
C05.021.113	2HP-221-14	51A	2HP-221	NDE-600	UT	SS	4.000		This weld was listed previously as 2-51A-128-14 until iso 2-51A-128 was redrawn.
	Circumferential		OFD-101A-2.4				0.531		Reference Request for Relief 95-GO-03 for calibration block.
Class B					Elbow to Pipe				
C05.021.113A	2HP-221-14	51A	2HP-221	NDE-35	PT	SS	4.000		This weld was listed previously as 2-51A-128-14 until iso 2-51A-128 was redrawn.
	Circumferential		OFD-101A-2.4				0.531		
Class B					Elbow to Pipe				
C05.021.114	2HP-221-17A	51A	2HP-221	NDE-600	UT	SS	4.000		Reference Request for Relief 95-GO-03 for calibration block.
	Circumferential		OFD-101A-2.4				0.531		This weld was listed previously as 2-51A-128-17A until iso 2-51A-128 was redrawn.
Class B					Pipe to Elbow				
C05.021.114A	2HP-221-17A	51A	2HP-221	NDE-35	PT	SS	4.000		This weld was listed previously as 2-51A-128-17A until iso 2-51A-128 was redrawn.
	Circumferential		OFD-101A-2.4				0.531		
Class B					Pipe to Elbow				

Total C05.021 Items: 42

CATEGORY C-F-1, Pressure Retaining Welds In Austenitic SS or High Alloy Piping

[redacted] Socket Welds

DUKE ENERGY CORPORATION
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Oconee 2
Inservice Inspection Plan for Interval 3 Outage 4

ITEM NUMBER	ID NUMBER	SYS	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
C05.030.005	2-51B-28-10	51B	2-51B-28	NDE-35	PT	SS	2.000		
	Socket		OFD-101A-2.2				0.154		
Class B					Elbow to Pipe				

Total C05.030 Items: 1

CATEGORY C-F-2, Pressure Retaining Welds In Carbon Or Low Alloy Steel Piping

Piping Welds >= 3/8 in. Nominal Wall Thickness for Piping > NPS 4

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ITEM NUMBER	ID NUMBER	SYS	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
****** Circumferential Weld ******									
C05.051.005	2-01A-5-27 Circumferential	01A	2-01A-5 (4) OFD-122A-2.1	NDE-600	UT	CS	26.000 0.875		Reference Request for Relief 95-GO-03 for calibration block.
Class B					Pipe to Elbow				
C05.051.005A	2-01A-5-27 Circumferential	01A	2-01A-5 (4) OFD-122A-2.1	NDE-25	MT	CS	26.000 0.875		
Class B					Pipe to Elbow				
C05.051.006	2MS-103-9 Circumferential	01A	2MS-103 OFD-122A-2.1	NDE-600	UT	CS	8.000 0.906		Reference Request for Relief 95-GO-03 for calibration block.
Class B					Pipe to Valve 2MS-2				
C05.051.006A	2MS-103-9 Circumferential	01A	2MS-103 OFD-122A-2.1	NDE-25	MT	CS	8.000 0.906		
Class B					Pipe to Valve 2MS-2				
C05.051.014	2FDW-210-21 Circumferential	03A	2FDW-210 OFD-121D-2.1	NDE-600	UT	CS	6.000 0.432		This weld was originally identified as 2-03A-10-21 until iso was changed from 2-03A-10 to 2FDW-210. Reference Request for Relief 95-GO-03 for calibration block.
Class B					Pipe to Elbow				
C05.051.014A	2FDW-210-21 Circumferential	03A	2FDW-210 OFD-121D-2.1	NDE-25	MT	CS	6.000 0.432		This weld was originally identified as 2-03A-10-21 until iso was changed from 2-03A-10 to 2FDW-210.
Class B					Pipe to Elbow				
C05.051.018	2-03A-67-7 Circumferential	03A	2-03A-67 OFD-121D-2.1	NDE-600	UT	CS	6.000 0.562		Reference Request for Relief 95-GO-03 for calibration block.
Class B					Pipe to Elbow				
C05.051.018A	2-03A-67-7 Circumferential	03A	2-03A-67 OFD-121D-2.1	NDE-25	MT	CS	6.000 0.562		
Class B					Pipe to Elbow				

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Inservice Inspection Plan for Interval 3 Outage 4

CATEGORY C-F-2, Pressure Retaining Welds In Carbon Or Low Alloy Steel Piping

Piping Welds >= 3/8 in. Nominal Wall Thickness for Piping > NPS 4

ITEM NUMBER	ID NUMBER	SYS	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
C05.051.022	2FDW-226-37	03	2FDW-226	NDE-600	UT	CS	20.000		This weld used to be listed as 2-03-18-37 and was shown on isometric 2-03-18 (2). Reference Request for Relief 95-GO-03 for calibration block.
	Circumferential		OFD-121B-2.3				1.031		
Class B					Elbow to Pipe				
C05.051.022A	2FDW-226-37	03	2FDW-226	NDE-25	MT	CS	20.000		This weld used to be listed as 2-03-18-37 and was shown on isometric 2-03-18 (2).
	Circumferential		OFD-121B-2.3				1.031		
Class B					Elbow to Pipe				
C05.051.035	2LPS-606-2	14B	2LPS-606	NDE-600	UT	CS	8.000		This weld was listed previously as 2-14B-51-2 until iso 2-14B-51 was redrawn. Reference Request for Relief 95-GO-03 for calibration block.
	Circumferential		OFD-124B-2.2				0.500		
Class B					Pipe to Elbow				
C05.051.035A	2LPS-606-2	14B	2LPS-606	NDE-25	MT	CS	8.000		This weld was listed previously as 2-14B-51-2 until iso 2-14B-51 was redrawn.
	Circumferential		OFD-124B-2.2				0.500		
Class B					Pipe to Elbow				
C05.051.036	2LPS-606-3	14B	2LPS-606	NDE-600	UT	CS	8.000		This weld was listed previously as 2-14B-51-3 until iso 2-14B-51 was redrawn. Reference Request for Relief 95-GO-03 for calibration block.
	Circumferential		OFD-124B-2.2				0.500		
Class B					Elbow to Pipe				
C05.051.036A	2LPS-606-3	14B	2LPS-606	NDE-25	MT	CS	8.000		This weld was listed previously as 2-14B-51-3 until iso 2-14B-51 was redrawn.
	Circumferential		OFD-124B-2.2				0.500		
Class B					Elbow to Pipe				
C05.051.038	2LPS-606-82	14B	2LPS-606	NDE-600	UT	CS	8.000		This weld was listed previously as 2-14B-51-82 until iso 2-14B-51 was redrawn. Reference Request for Relief 95-GO-03 for calibration block.
	Circumferential		OFD-124B-2.2				0.500		
Class B					Elbow to Tee				
C05.051.038A	2LPS-606-82	14B	2LPS-606	NDE-25	MT	CS	8.000		This weld was listed previously as 2-14B-51-82 until iso 2-14B-51 was redrawn.
	Circumferential		OFD-124B-2.2				0.500		
Class B					Elbow to Tee				

Total C05.051 Items: 16

Total C05 Items: 67

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CATEGORY D-B, Systems In Support Of ECC, CHR, Atmos. Cleanup, And Reactor RHR

[redacted] Integral Attachment

Oconee 2

Inservice Inspection Plan for Interval 3 Outage 4

ITEM NUMBER	ID NUMBER	SYS	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
****** Component Supports and Restraints ******									
D02.020.007 Class C	2-01A-R25 Rigid Restraint	01A	4-0-1400A OFD-122A-2.4	QAL-14	VT-3	NA	6.000 0.500		FILE NO. OSC-445, PROBLEM NO. 2-01-6, SHT 2 OF 4.
D02.020.010 Class C	2-03-H51 Rigid Restraint	03	0-551 OFD-121B-2.3	QAL-14	VT-3	NA SWAY STRUT to	24.000 1.500		FILE NO. OS-454, PROBLEM NO. 2-03-01, PG 44.
D02.020.012 Class C	2-03-R8 Rigid Restraint	03	0-1401A OFD-121B-2.3	QAL-14	VT-3	NA	24.000 0.322		FILE NO. OS-454, PROBLEM NO. 2-03-01, PG 44.
D02.020.029 Class C	2-03A-H15 Rigid Restraint	03A	1-0-1437A OFD-121D-2.1	QAL-14	VT-3	NA	6.000 0.125		File Number = OSC-449; Problem Number = 2-03A-08, Sht. 4 of 6; Emergency Feedwater Bypass Line
D02.020.030 Class C	2-03A-H15A Rigid Restraint	03A	1-0-1437 OFD-121D-2.1	QAL-14	VT-3	NA	6.000 0.125		File Number = OSC-449; Problem Number = 2-03A-08, Sht. 4 of 6; Emergency Feedwater Bypass Line
D02.020.046 Class C	2-03A-H8 Rigid Restraint	03A	1-0-1439C OFD-121D-2.1	QAL-14	VT-3	NA	6.000 0.375		File Number = OSC-459; Problem Number = 2-03a-06, Sht 3 of 4; Emergency Feedwater Sys
D02.020.063 Class C	2-03A-SR15 Rigid Restraint	03A	1-0-1439B OFD-121D-2.1	QAL-14	VT-3	NA	6.000 0.500		File Number = OSC-450, Page No. 105; Problem Number = 2-03A-09; EFW Crossover
D02.020.076 Class C	2-03A-SR28 Rigid Restraint	03A	1-0-1400A OFD-121D-2.1	QAL-14	VT-3	NA	6.000 0.500		File Number = OSC-450, Page No. 106; Problem Number = 2-03A-09; EFW Crossover; Thickness = .500 & .216

CATEGORY D-B, Systems In Support Of ECC, CHR, Atmos. Cleanup, And Reactor RHR

[redacted] Integral Attachment

DUKE ENERGY CORPORATION
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ITEM NUMBER	ID NUMBER	SYS	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
D02.020.077	2-03A-SR29	03A	1-0-1400A	QAL-14	VT-3	NA	6.000		File Number = OSC-450, Page No. 106; Problem
	Rigid Restraint		OFD-121D-2.1				0.500		Number = 2-03A-09; EFW Crossover
	Class C								
D02.020.100	2-03A-SR8	03A	1-0-1439B	QAL-14	VT-3	NA	6.000		File Number = OSC-450, Page No. 104.1; Problem
	Rigid Restraint		OFD-121D-2.1				0.500		Number 2-03A-09; EFW Crossover
	Class C								
D02.020.123	2-14B-H30	14B	0-1439B	QAL-14	VT-3	NA	14.000		FILE NO. OSC-475
	Rigid Restraint		OFD-124B-2.2				0.280		PROBLEM NO. 2-14-6 SHT.2OF3
	Class C								LPSWATER
D02.020.124	2-14B-H32	14B	0-1439A	QAL-14	VT-3	NA	14.000		FILE NO. OSC-475
	Rigid Restraint		OFD-124B-2.2				1.000		PROBLEM NO. 2-14-6 SHT.2OF3
	Class C								LPSWATER
D02.020.125	2-14B-H33	14B	0-1439A	QAL-14	VT-3	NA	14.000		FILE NO. OSC-475
	Rigid Restraint		OFD-124B-2.2				1.000		PROBLEM NO. 2-14-6 SHT.2OF3
	Class C								LPSWATER
D02.020.126	2-14B-H34	14B	0-1439A	QAL-14	VT-3	NA	14.000		FILE NO. OSC-475
	Rigid Restraint		OFD-124B-2.2				1.000		PROBLEM NO. 2-14-6 SHT.2OF3
	Class C								LPSWATER
D02.020.127	2-14B-JEJ-1702	14B	0-437B	QAL-14	VT-3	NA	8.000		FILE NO. OSC-473
	Rigid Restraint		OFD-124B-2.1				0.125		PROBLEM NO. 2-14-5 SHT1OF3
	Class C								LP SERVICE WATER
D02.020.129	2-14B-JTC0904	14B	0-437B	QAL-14	VT-3	NA	12.000		Calculaton No. OSC-473;
	Rigid Restraint		OFD-124B-1.1				1.000		Problem No. 2-14-05 SHT1 OF 3. System 14B;
	Class C								LPSW BETWEEN DISC. NOZZLE OF DECAY HT.
									COOLER 2B & RB COMP.COOLERS
D02.020.131	2-14B-RJP-3102	14B	0-1439B	QAL-14	VT-3	NA	8.000		FILE NO. OSC-475
	Rigid Restraint		OFD-124B-2.2				0.187		PROBLEM NO. 2-14-6 SHT.2OF3
	Class C								LPSWATER

CATEGORY D-B, Systems In Support Of ECC, CHR, Atmos. Cleanup, And Reactor RHR

[redacted] Integral Attachment

DUKE ENERGY CORPORATION
QUALITY ASSURANCE TECHNICAL SERVICES
Inservice Inspection Database Management System
Oconee 2
Inservice Inspection Plan for Interval 3 Outage 4

ITEM NUMBER	ID NUMBER	SYS	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
D02.020.132	2-14B-RJP-3106	14B	0-1439B	QAL-14	VT-3	NA	8.000		FILE NO. OSC-475
	Rigid Restraint		OFD-124B-2.2				0.237		PROBLEM NO. 2-14-6 SHT.2OF3
Class C									LPSWATER
D02.020.133	2-14B-SR1	14B	0-400B	QAL-14	VT-3	NA	24.000		Calculation No. OS-395 Page 40 problem no.
	Rigid Support		OFD-124A-1.1				0.250		1-14A-01 page 1 of 2 Low Pressure Service Water
Class C					SS to				
D02.020.134	2-14B-SR36	14B	0-1437A	QAL-14	VT-3	NA	16.000		FILE NO. OSC-473
	Rigid Restraint		OFD-124B-2.1				1.562		PROBLEM NO. 2-14-5 SHT3OF3
Class C									LP SERVICE WATER
D02.020.135	2-14B-SR38	14B	0-1437A	QAL-14	VT-3	NA	16.000		FILE NO. OSC-474
	Rigid Restraint		OFD-124B-2.1				1.000		PROBLEM NO. 4-14-04 SHT1OF3
Class C									LP SERVICE WATER
D02.020.137	2-14B-SR41	14B	0-1436A	QAL-14	VT-3	NA	16.000		FILE NO. OSC-474
	Rigid Restraint		OFD-124B-2.1				0.500		PROBLEM NO. 4-14-04 SHT1OF3
Class C									LP SERVICE WATER
D02.020.138	2-14B-SR52	14B	0-1437A	QAL-14	VT-3	NA	16.000		FILE NO. OSC-473
	Rigid Restraint		OFD-124B-2.1				1.000		PROBLEM NO. 2-14-5 SHT3OF3
Class C									LP SERVICE WATER
D02.020.150	2-57-H4	57	0-1481A	QAL-14	VT-3	NA	12.000		FILE NO. OSC-1332-06, PROBLEM NO. 2-57-01,
	Rigid Restraint		OFD-107A-2.1				1.000		PG 14.1.
Class C									

Total D02.020 Items: 24

CATEGORY D-B, Systems In Support Of ECC, CHR, Atmos. Cleanup, And Reactor RHR

[redacted] Integral Attachment

DUKE ENERGY CORPORATION
QUALITY ASSURANCE TECHNICAL SERVICES
Inservice Inspection Database Management System
Oconee 2
Inservice Inspection Plan for Interval 3 Outage 4

ITEM NUMBER	ID NUMBER	SYS	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
****** Mechanical and Hydraulic Snubbers ******									
D02.030.001	2-01A-R27	01A	4-2-0-1400A	QAL-14	VT-3	NA	6.000		FILE NO. OSC-445, PROBLEM NO. 2-01-6, SHT 2 OF 4. INSPECT WITH ITEM NO. F01.050.093
	Mech Snubber		OFD-122A-2.4				0.237		
Class C									
D02.030.003	2-03-R7	03	0-1401A	QAL-14	VT-3	NA	24.000		FILE NO. OS-454, PROBLEM NO. 2-03-01, PG 44. INSPECT WITH ITEM NOS. F01.032.002 AND F01.050.002
	Hyd Snubber		OFD-121B-2.3				1.000		
Class C									

Total D02.030 Items: 2

CATEGORY D-B, Systems In Support Of ECC, CHR, Atmos. Cleanup, And Reactor RHR

[redacted] Integral Attachment

DUKE ENERGY CORPORATION
QUALITY ASSURANCE TECHNICAL SERVICES
Inservice Inspection Database Management System
Oconee 2
Inservice Inspection Plan for Interval 3 Outage 4

ITEM NUMBER	ID NUMBER	SYS ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
****** Spring Type Supports ******								
D02.040.001	2-01A-H4	01A 4-0-1400A	QAL-14	VT-3	NA	6.000		FILE NO. OSC-445
	Spring Hgr	OFD-122A-2.4				0.237		PROBLEM NO. 2-01-06 SHT.2OF4
Class C								

Total D02.040 Items: 1

Total D02 Items: 27

CATEGORY F-A, Supports (Category A)

DUKE ENERGY CORPORATION
QUALITY ASSURANCE TECHNICAL SERVICES
Inservice Inspection Database Management System

Oconee 2

Inservice Inspection Plan for Interval 3 Outage 4

Class 1 Mech. Conn. to Press. Retaining Comp. & Bld. Structure

ITEM NUMBER	ID NUMBER	SYS	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
F01.010.006	2-53A-H26C	53A	0-1480A	QAL-14	VT-3	NA	1.500		PROBLEM NO.2-53-14 LPINJ. TO PZR SPRAY
	Rigid Support		OFD-100A-2.2				0.250		
Class A			0-2RB-25314-02						
Total F01.010 Items:	**1**								
F01.011.001	2-51A-H10A	51A	0-1479A	QAL-14	VT-3	NA	2.500		FILE NO. OSC-1324-06 SHT.4OF5 PROBLEM NO.2-53-15
	Rigid Restraint		OFD-101A-2.4				0.000		HPI SYSTEM EAST COOLANT LOOP
Class A									
Total F01.011 Items:	**1**								
F01.012.007	2-53A-H1A	53A	0-1478A	QAL-14	VT-3	NA	14.000		FILE NO. OSC-1318, PROBLEM NO. 2-53-13.
	Spring Hgr		OFD-102A-2.3				2.000		SYSTEM 53A.
Class A									
F01.012.011	2-50-RCPM-2B1-SS3	50	0-1066A	QAL-14	VT-3	NA	6.000		File No. OSC-0991-01-0001, Reactor Coolant Pump
	Hyd Snubber		OFD-100A-2.1				0.000		Motor Snubbers. Reference PIP 0-O96-1575.
Class A			OFD-100A-2.3						Inspect with F01.050.106.
Total F01.012 Items:	**2**								

CATEGORY F-A, Supports (Category A)

DUKE ENERGY CORPORATION
QUALITY ASSURANCE TECHNICAL SERVICES
Inservice Inspection Database Management System

Class 2 Weld Connections to Building Structure

Oconee 2

Inservice Inspection Plan for Interval 3 Outage 4

ITEM NUMBER	ID NUMBER	SYS	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
F01.020.015	2-51A-H166	51A	0-1439C	QAL-14	VT-3	NA	4.000		FILE NO. OSC-1023 PAGE 47.1 PROBLEM
	Rigid Restraint		OFD-101A-2.4				0.000		NO.2-51-18
Class B					SWAY STRUT to				HPI SYSTEM CROSSOVER LINE
F01.020.021	2-51A-SR59	51A	6-0-435B	QAL-14	VT-3	NA	6.000		File Number = OSC-481,Page 143; Problem
	Rigid Restraint		OFD-101A-2.3				0.000		Number = 51-2
Class B									
F01.020.026	2-53B-H1	53B	2-0-436E	QAL-14	VT-3	NA	14.000		FILE NO. OSC-481, PROBLEM NO. 51-2, SHT 3
	Rigid Restraint		OFD-102A-2.1				0.280		OF 6. HPI PUMP SUCT. HEADER W/BRANCHES
Class B									FROM B.W.S. TANK, L.S. TANK, AND L. P.
									COOLERS "2A" & "2B".
F01.020.034	2-53B-R69	53B	2-0-435B	QAL-14	VT-3	NA	8.000		FILE NO. OS-487, PROBLEM NO. 2-53-01, SHT 4
	Rigid Restraint		OFD-102A-2.2				0.000		OF 5. L. P. INJECTION & DECAY HEAT REMOVAL
Class B									SYSTEM 53B.
F01.020.038	2-54A-H5	54A	3-0-1439C	QAL-14	VT-3	NA	8.000		FILE NO. OS-496, PROBLEM NO. 2-54-03 SHT 1
	Rigid Restraint		OFD-103A-2.1				1.000		OF 2. SYSTEM 54A.
Class B									
F01.020.039	2-54A-R10	54A	3-0-435B	QAL-14	VT-3	NA	8.000		FILE NO. OS-494, PROBLEM NO. 2-54-1, SHT 1
	Rigid Restraint		OFD-103A-2.1				0.000		OF 1. REACTOR BUILDING SPRAY LINE "2A".
Class B									
F01.020.047	2-51A-DE048	51B	3-0-437B	QAL-14	VT-3	NA	4.000		Calc# OSC-479, Page 53
	Rigid Restraint		OFD-101A-2.1				0.000		Problem# 2-51-01, sht. 4 of 6
Class B									
Total F01.020 Items:	7								
F01.021.017	2-51A-SP115	51A	2-0-438C	QAL-14	VT-3	NA	4.000		FILE NO. OSC-1023
	Rigid Restraint		OFD-101A-2.4				0.000		PROBLEM NO.2-51-18 PAGE 51.1
Class B									HPI SYSTEM CROSSOVER LINE

CATEGORY F-A, Supports (Category B)

DUKE ENERGY CORPORATION
QUALITY ASSURANCE TECHNICAL SERVICES
Inservice Inspection Database Management System

Oconee 2

Inservice Inspection Plan for Interval 3 Outage 4

Class 2 Weld Connections to Building Structure

ITEM NUMBER	ID NUMBER	SYS	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
F01.021.021	2-53B-DE015	53B	0-435B	QAL-14	VT-3	NA	14.000		FILE NO. OS-487, PROBLEM NO. 2-53-01, SHT 1 OF 5. LPI TO DECAY HEAT REMOVAL SYSTEM 53B.
	Rigid Restraint		OFD-102A-2.1				0.000		
	Class B								
F01.021.024	2-53B-R5	53B	5-0-1436A	QAL-14	VT-3	NA	10.000		FILE NO. OS-493, PROBLEM NO. 2-53-2, SHT 2 OF 4. FROM L. P. PUMPS "2A" & "2C" TO R. B. & BORATED WATER STORAGE TANK SYSTEM "53A" & "53B".
	Rigid Restraint		OFD-102A-2.2				0.000		
	Class B								
F01.021.028	2-56-DE002	56	438B	QAL-14	VT-3	NA	8.000		Calculaton No. OS-421 Page 97; Problem No.4-56-02 Spent Fuel Cooling System 56
	Rigid Restraint		OFD-104A-1.1				0.000		
	Class B								
F01.021.032	2-51B-DE013	51B	436J	QAL-14	VT-3	NA	3.000		Calc# OSC-481, Page 142.1 Problem# 51-2, sht. 1 of 6
	Rigid Restraint		OFD-101A-2.2				0.000		
	Class B								

Total F01.021 Items: 5

F01.022.002	2-01A-H11B	01A	0-1481B	QAL-14	VT-3	NA	36.000		FILE NO. OSC-440 PROBLEM NO. 2-01-01 PAGE 40 MAIN STEAM PIPING
	Constant Support		OFD-122A-2.1				2.000		
	Class B								
F01.022.010	2-51A-DKB-1411	51A	0-435B	QAL-14	VT-3	NA	6.000		File Number = OSC-481,Page 143; Problem Number = 51-2
	Spring Hgr		OFD-101A-2.3				0.226		
	Class B								
F01.022.017	2-53B-H56	53B	5-0-1439A	QAL-14	VT-3	NA	10.000		FILE NO. OS-491, PROBLEM NO. 2-53-5, SHT 1 OF 1. DECAY HEAT COOLER 2A TO PENETRATION 15 SYSTEM 53B.
	Spring Hgr		OFD-102A-2.2				0.000		
	Class B								
F01.022.019	2-54A-H25	54A	3-0-435B	QAL-14	VT-3	NA	8.000		FILE NO. OS-494, PROBLEM NO. 2-54-1, SHT 1 OF 1. REACTOR BUILDING SPRAY LINE "2A".
	Spring Hgr		OFD-103A-2.1				0.216		
	Class B								

Total F01.022 Items: 4

CATEGORY F-A, Supports (Category A)

DUKE ENERGY CORPORATION
QUALITY ASSURANCE TECHNICAL SERVICES
Inservice Inspection Database Management System

Oconee 2

Inservice Inspection Plan for Interval 3 Outage 4

Class 3 Weld/Mech Conns at Inter Joints in Multiconn Int & Nonint Supp

ITEM NUMBER	ID NUMBER	SYS	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
F01.030.004 Class C	2-03-H54 Rigid Restraint	03	0-1439B OFD-121B-2.3	QAL-14	VT-3	NA	24.000 0.000		FILE NO. OS-454, PROBLEM NO. 2-03-01, PG 44.
F01.030.008 Class C	2-03A-GC-0802 Rigid Restraint	03A	0-1401A OFD-121D-2.1	QAL-14	VT-3	NA	6.000 0.000		File Number = OSC-457; Problem Number = 2-03A-04 Sht. 1 of 4; Emergengy Feedwater Bypass Line
F01.030.010 Class C	2-03A-GC-1214 Rigid Restraint	03A	0-1401A OFD-121D-2.1	QAL-14	VT-3	NA	6.000 0.000		File Number = OSC-459; Problem Number = 2-03A-06, Sht. 2 of 4; Emergengy Feedwater Sys
F01.030.021 Class C	2-03A-SR8 Rigid Restraint	03A	1-0-1401B OFD-121D-2.1	QAL-14	VT-3	NA	6.000 0.000		File Number = OSC-447, Page No. 112; Problem Number = 2-03A-05; EFW to Main Feedwater Line
F01.030.033 Class C	2-14B-JEJ-1705 Rigid Restraint	14B	0-437B OFD-124B-1.1	QAL-14	VT-3	NA	12.000 0.000		Calculaton No. OSC-473, page 85 Problem No. 2-14-05 SHT1 OF 3. System 14B; LPSW BETWEEN DISC. NOZZLE OF DECAY HT. COOLER 2B & RB COMP.COOLERS
Total F01.030 Items:	5								
F01.031.011 Class C	2-03A-SR28 Rigid Restraint	03A	1-0-1401A OFD-121D-2.1	QAL-14	VT-3	NA	6.000 0.000		File Number = OSC-457; Problem Number = 2-03A-04 Sht. 1 of 4; Emergengy Feedwater Bypass Line
F01.031.013 Class C	2-03A-SR4 Rigid Restraint	03A	1-0-1401B OFD-121D-2.1	QAL-14	VT-3	NA	6.000 0.000		File Number = OSC-447, Page No. 111; Problem Number = 2-03A-05; EFW to Main Feedwater Line
F01.031.021 Class C	2-57-H4 Rigid Restraint	57	0-1481A OFD-107A-2.1	QAL-14	VT-3	NA	12.000 1.000		FILE NO. OSC-1332-06, PROBLEM NO. 2-57-01, PG 14.1.

CATEGORY F-A, Supports (Category B)

DUKE ENERGY CORPORATION
QUALITY ASSURANCE TECHNICAL SERVICES
Inservice Inspection Database Management System

Oconee 2

Inservice Inspection Plan for Interval 3 Outage 4

Class 3 Weld/Mech Conns at Inter Joints in Multiconn Int & Nonint Supp

ITEM NUMBER	ID NUMBER	SYS	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK CAL BLOCKS	COMMENTS
F01.031.023	2-14B-H13	14B	1-0-1439B	QAL-14	VT-3	NA	8.000	File No. OSC-474, Page 88.1
	Rigid Restraint		OFD-124B-2.2				0.000	Problem No. 2-14-4,sht 3 of3
Class C								Low Pressure Service Water
Total F01.031 Items:	**4**							
F01.032.002	2-03-R7	03	0-1401A	QAL-14	VT-3	NA	24.000	FILE NO. OS-454, PROBLEM NO. 2-03-01, PG 44.
	Hyd Snubber		OFD-121B-2.3				1.000	INSPECT WITH ITEM NOS. D02.030.003 AND
Class C								F01.050.002
F01.032.011	2-57-NWIZ	57	0-1480A	QAL-14	VT-3	NA	12.000	FILE NO. OSC-1332-06, PROBLEM NO. 2-57-01,
	Mech Snubber		OFD-107A-2.1				0.000	PG 14.1. INSPECT WITH ITEM NO. F01.050.084
Class C								
Total F01.032 Items:	**2**							

CATEGORY F-A, Supports

DUKE ENERGY CORPORATION
QUALITY ASSURANCE TECHNICAL SERVICES
Inservice Inspection Database Management System
Oconee 2
Inservice Inspection Plan for Interval 3 Outage 4

Clearances of Guides & Stops, Align of Supps, Assembly of Supp Items

ITEM NUMBER	ID NUMBER	SYS ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
F01.040.007 Class B	2-BWS-TANK	OM-2201-832 OFD-102A-2.1	QAL-14	VT-3	NA	0.000 0.000		Borated Water Storage Tank Support Class B
F01.040.013 Class C	2-PEN-ROOM-FTR-A	OM-272-010 OFD-116B-2.1 OM-201-0571	QAL-14	VT-3	NA	0.000 0.000		Penetration Room Filter Train A Support Class C
F01.040.015 Class C	2-MCD-C	OM-202-5 OM-202-25 OFD-121A-2.3	QAL-14	VT-3	NA	0.000 0.000		Main Condenser 2C Support Legs. Class C
F01.040.023 Class B	2-51A-H79	3-0-1436A OFD-101A-2.1	QAL-14	VT-3	NA	0.000 0.000		This support is a spring type and it serves as an equipment support for the RC Seal Return Filter. We decided to list it as an F01.040 type hanger instead of listing it as an F01.022 support because it supports a piece of equipment. Dwg # OM-201-2135 Calc# OSC-483, Page 55 Problem# 2-51-06, sht. 2 of 3.

Total F01.040 Items: 4

CATEGORY F-A, Supports

DUKE ENERGY CORPORATION
QUALITY ASSURANCE TECHNICAL SERVICES
Inservice Inspection Database Management System

Spring Supports & Constant Load Supports

Oconee 2

Inservice Inspection Plan for Interval 3 Outage 4

ITEM NUMBER	ID NUMBER	SYS	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
F01.050.001	2-03-R12	03	0-1401A	QAL-14	VT-3	NA	24.000		FILE NO. OS-454, PROBLEM NO. 2-03-01, PG 44.
	Mech Snubber		OFD-121B-2.3				1.000		
Class C									
F01.050.002	2-03-R7	03	0-1401A	QAL-14	VT-3	NA	24.000		FILE NO. OS-454, PROBLEM NO. 2-03-01, PG 44.
	Mech Snubber		OFD-121B-2.3				1.000		
Class C									
F01.050.003	2-03-H4087	03	0-1401A	QAL-14	VT-3	NA	24.000		FILE NO. OS-454, PROBLEM NO. 2-03-01, PG 44.
	Mech Snubber		OFD-121B-2.3				0.000		
Class C									
F01.050.004	2-01A-R14	01A	0-1401B	QAL-14	VT-3	NA	36.000		FILE NO. OSC-440
	Hyd Snubber		OFD-122A-2.1				0.000		PROBLEM NO. 2-01-01 PAGE 40
Class B									MAIN STEAM PIPING
F01.050.005	2-01A-R15	01A	0-1401B	QAL-14	VT-3	NA	36.000		FILE NO. OSC-440
	Hyd Snubber		OFD-122A-2.1				0.000		PROBLEM NO. 2-01-01 PAGE 40
Class B									MAIN STEAM PIPING
F01.050.006	2-01A-R16	01A	0-1401B	QAL-14	VT-3	NA	36.000		FILE NO. OSC-440
	Hyd Snubber		OFD-122A-2.1				0.000		PROBLEM NO. 2-01-01 PAGE 40
Class B									MAIN STEAM PIPING
F01.050.007	2-01A-R2-1	01A	0-1441	QAL-14	VT-3	NA	36.000		FILE NO. OSC-440
	Hyd Snubber		OFD-122A-2.1				0.688		PROBLEM NO. 2-01-01 PAGE 40
Class B									MAIN STEAM PIPING
F01.050.008	2-01A-R2-2	01A	0-1441	QAL-14	VT-3	NA	36.000		FILE NO. OSC-440
	Hyd Snubber		OFD-122A-2.1				0.688		PROBLEM NO. 2-01-01 PAGE 40
Class B									MAIN STEAM PIPING

CATEGORY F-A, Supports

DUKE ENERGY CORPORATION
QUALITY ASSURANCE TECHNICAL SERVICES
Inservice Inspection Database Management System

Spring Supports & Constant Load Supports

Oconee 2

Inservice Inspection Plan for Interval 3 Outage 4

ITEM NUMBER	ID NUMBER	SYS	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
F01.050.009	2-01A-R9-2	01A	0-1441	QAL-14	VT-3	NA	36.000		FILE NO. OSC-440
	Hyd Snubber		OFD-122A-2.1				0.688		PROBLEM NO. 2-01-01 PAGE 40
	Class B								MAIN STEAM PIPING
F01.050.010	2-01A-R9-3	01A	0-1441	QAL-14	VT-3	NA	36.000		FILE NO. OSC-440
	Hyd Snubber		OFD-122A-2.1				0.688		PROBLEM NO. 2-01-01 PAGE 40
	Class B								MAIN STEAM PIPING
F01.050.011	2-01A-R9-4	01A	0-1441	QAL-14	VT-3	NA	36.000		FILE NO. OSC-440
	Hyd Snubber		OFD-122A-2.1				0.688		PROBLEM NO. 2-01-01 PAGE 40
	Class B								MAIN STEAM PIPING
F01.050.012	2-53-H3	53	0-1478A	QAL-14	VT-3	NA	12.000		FILE NO. OSC-1320-06, PROBLEM NO. 2-53-10,
	Hyd Snubber		OFD-102A-2.1				0.280		PAGE 83. DECAY HEAT REMOVAL SYSTEM.
	Class A								
F01.050.013	2-50-H12	50	0-1479A	QAL-14	VT-3	NA	2.500		FILE NO. OSC-1324-06 SHT.1OF2 PROBLEM
	Hyd Snubber		OFD-100A-2.2				0.000		NO.2-53-14
	Class A								PZR SPRAY SYSTEM
F01.050.014	2-51A-H2A	51A	0-1479A	QAL-14	VT-3	NA	2.500		FILE NO. OSC-1324-06 SHT.4OF5 PROBLEM
	Hyd Snubber		OFD-101A-2.4				0.154		NO.2-53-15
	Class A								HPI SYSTEM EAST COOLANT LOOP
F01.050.015	2-03-H6B	03	0-1480A	QAL-14	VT-3	NA	20.000		MAIN FEEDWATER EAST GEN. 2A, DWG NO.
	Hyd Snubber		OFD-121B-2.3				0.000		0-1490 B-2.
	Class B								
F01.050.016	2-03-H7A	03	0-1480A	QAL-14	VT-3	NA	24.000		MAIN FEEDWATER WEST GEN. 2B, DWG NO.
	Hyd Snubber		OFD-121B-2.3				0.237		O-1490 B-4.
	Class B								
F01.050.017	2-03A-H1B	03A	0-1480A	QAL-14	VT-3	NA	6.000		File Number = OSC-1224-17, Page 49; Problem
	Hyd Snubber		OFD-121D-2.1				0.237		Number 2-03A-13; Aux Service Water Piping.
	Class C								

CATEGORY F-A, Supports

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ITEM NUMBER	ID NUMBER	SYS	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
F01.050.018	2-50-H10	50	0-1480A	QAL-14	VT-3	NA	2.500		FILE NO. OSC-1324-06 SHT.1OF2 PROBLEM
	Hyd Snubber		OFD-100A-2.2				0.000		NO.2-53-14
Class A									PZR SPRAY SYSTEM
F01.050.019	2-50-H11	50	0-1480A	QAL-14	VT-3	NA	2.500		FILE NO. OSC-1324-06 SHT.1 OF 2 PROBLEM
	Hyd Snubber		OFD-100A-2.2				0.000		NO.2-53-14
Class A									PZR SPRAY SYSTEM.
F01.050.020	2-50-H8	50	0-1480A	QAL-14	VT-3	NA	2.500		FILE NO. OSC-1324-06 SHT.1 OF 2 PROBLEM
	Hyd Snubber		OFD-100A-2.2				0.000		NO.2-53-14
Class A									PZR SPRAY SYSTEM.
F01.050.021	2-50-H9	50	0-1480A	QAL-14	VT-3	NA	2.500		FILE NO. OSC-1324-06 SHT.1OF2 PROBLEM
	Hyd Snubber		OFD-100A-2.2				0.000		NO.2-53-14
Class A									PZR SPRAY SYSTEM
F01.050.022	2-01A-H2A	01A	0-1481A	QAL-14	VT-3	NA	24.000		FILE NO. OSC-440
	Hyd Snubber		OFD-122A-2.1				0.322		PROBLEM NO. 2-01-01 PAGE 40
Class B									MAIN STEAM PIPING
F01.050.023	2-01A-H2B	01A	0-1481B	QAL-14	VT-3	NA	24.000		FILE NO. OSC-440
	Hyd Snubber		OFD-122A-2.1				0.322		PROBLEM NO. 2-01-01 PAGE 40
Class B									MAIN STEAM PIPING.
F01.050.024	2-01A-H8A	01A	0-1481A	QAL-14	VT-3	NA	24.000		FILE NO. OSC-440
	Hyd Snubber		OFD-122A-2.1				0.322		PROBLEM NO. 2-01-01 PAGE 40
Class B									MAIN STEAM PIPING
F01.050.025	2-01A-H8B	01A	0-1481A	QAL-14	VT-3	NA	24.000		FILE NO. OSC-440
	Hyd Snubber		OFD-122A-2.1				0.322		PROBLEM NO. 2-01-01 PAGE 40
Class B									MAIN STEAM PIPING
F01.050.026	2-50-H1	50	0-1481A	QAL-14	VT-3	NA	2.500		FILE NO. OSC-1324-06 SHT.1OF2 PROBLEM
	Hyd Snubber		OFD-100A-2.2				0.000		NO.2-53-14
Class A									PZR SPRAY SYSTEM

CATEGORY F-A, Supports

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ITEM NUMBER	ID NUMBER	SYS	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
F01.050.027	2-50-H3	50	0-1481A	QAL-14	VT-3	NA	2.500		FILE NO. OSC-1324-06 SHT.1 OF 2 PROBLEM
	Hyd Snubber		OFD-100A-2.2				0.154		NO.2-53-14
Class A									PZR SPRAY SYSTEM.
F01.050.028	2-50-H7	50	0-1481A	QAL-14	VT-3	NA	2.500		FILE NO. OSC-1324-06 SHT.1OF2 PROBLEM
	Hyd Snubber		OFD-100A-2.2				0.500		NO.2-53-14
Class A									PZR SPRAY SYSTEM
F01.050.029	2-57-H15	57	0-1481A	QAL-14	VT-3	NA	6.000		FILE NO. OSC-1332-06 PAGE 14.1 PROBLEM
	Hyd Snubber		OFD-100A-2.2				0.000		NO.2-57-01
Class B									PZR RELIEF VLV SYSTEM
F01.050.030	2-57-H16	57	0-1481A	QAL-14	VT-3	NA	6.000		FILE NO. OSC-1332-06 PAGE 14.1 PROBLEM
	Hyd Snubber		OFD-100A-2.2				0.000		NO.2-57-01
Class B									PZR RELIEF VLV SYSTEM.
F01.050.031	2-57-H17	57	0-1481A	QAL-14	VT-3	NA	6.000		FILE NO. OSC-1332-06 PAGE 14.1 PROBLEM
	Hyd Snubber		OFD-100A-2.2				0.000		NO.2-57-01
Class B									PZR RELIEF VLV SYSTEM
F01.050.032	2-57-H20	57	0-1481A	QAL-14	VT-3	NA	6.000		FILE NO. OSC-1332-06 PAGE 14.1 PROBLEM
	Hyd Snubber		OFD-100A-2.2				0.000		NO.2-57-01
Class B									PZR RELIEF VLV SYSTEM
F01.050.033	2-57-H21	57	0-1481A	QAL-14	VT-3	NA	6.000		FILE NO. OSC-1332-06 PAGE 14.1 PROBLEM
	Hyd Snubber		OFD-100A-2.2				0.000		NO.2-57-01
Class B									PZR RELIEF VLV SYSTEM
F01.050.034	2-57-H23	57	0-1481A	QAL-14	VT-3	NA	6.000		FILE NO. OSC-1332-06 PAGE 14.1 PROBLEM
	Hyd Snubber		OFD-100A-2.2				0.000		NO.2-57-01
Class B									PZR RELIEF VLV SYSTEM
F01.050.035	2-57-H25	57	0-1481A	QAL-14	VT-3	NA	6.000		FILE NO. OSC-1332-06 PAGE 14.1 PROBLEM
	Hyd Snubber		OFD-100A-2.2				0.000		NO.2-57-01
Class B									PZR RELIEF VLV SYSTEM

CATEGORY F-A, Supports

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ITEM NUMBER	ID NUMBER	SYS	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
F01.050.036	2-57-H7	57	0-1481A	QAL-14	VT-3	NA	8.000		FILE NO. OSC-1332-06 PAGE 14.1 PROBLEM
	Hyd Snubber		OFD-100A-2.2				0.000		NO.2-57-01
Class B									PZR RELIEF VLV SYSTEM.
F01.050.037	2-57-H9	57	0-1481A	QAL-14	VT-3	NA	8.000		FILE NO. OSC-1332-06 PAGE 14.1 PROBLEM
	Hyd Snubber		OFD-100A-2.2				0.216		NO.2-57-01
Class B									PZR RELIEF VLV SYSTEM
F01.050.038	2-57-RJP-H0801	57	0-1481A	QAL-14	VT-3	NA	4.000		FILE NO. OSC-1332-06 PAGE 14.1 PROBLEM
	Hyd Snubber		OFD-100A-2.2				0.000		NO.2-57-01
Class A									PZR RELIEF VLV SYSTEM.
F01.050.039	2-50-H1A	50	0-1479A	QAL-14	VT-3	NA	10.000		PZR Surge Line.
	Hyd Snubber		OFD-100A-2.1				0.000		
Class A			0-2491B-2A						
F01.050.040	2-50-H2A	50	0-1479A	QAL-14	VT-3	NA	10.000		PZR Surge Line.
	Hyd Snubber		OFD-100A-2.1				0.000		
Class A			0-2491B-2A						
F01.050.041	2-50-H3A	50	0-1479A	QAL-14	VT-3	NA	10.000		PZR Surge Line.
	Hyd Snubber		OFD-100A-2.1				0.000		
Class A			0-2491B-2A						
F01.050.042	2-03A-SR102	03A	1-0-1400A	QAL-14	VT-3	NA	6.000		File Number = OSC-450, Page No. 106; Problem
	Hyd Snubber		OFD-121D-2.1				0.000		Number = 2-03A-09; EFW Crossover
Class C									
F01.050.043	2-03A-SR103	03A	1-0-1400A	QAL-14	VT-3	NA	6.000		File Number = OSC-451, Page No. 85; Problem
	Hyd Snubber		OFD-121D-2.1				0.000		Number = 2-03A-10; Sys 03A
Class C									
F01.050.044	2-03A-SR104	03A	1-0-1400A	QAL-14	VT-3	NA	6.000		File Number = OSC-451, Page No. 84A; Problem
	Hyd Snubber		OFD-121D-2.1				0.000		Number = 2-03A-10; Sys 03A
Class C									

CATEGORY F-A, Supports

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ITEM NUMBER	ID NUMBER	SYS	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
F01.050.045	2-03A-SR100	03A	1-0-1400B	QAL-14	VT-3	NA	6.000		File Number = OSC-449; Problem Number =
	Hyd Snubber		OFD-121D-2.1				0.203		2-03A-08, Sht. 5 of 6; Emergency Feedwater
Class C									Bypass Line.
F01.050.046	2-03A-SR101PO	03A	1-0-1401B	QAL-14	VT-3	NA	6.000		File Number = OSC-449; Problem Number =
	Hyd Snubber		OFD-121D-2.1				0.000		2-03A-08, Sht. 4 of 6; Emergency Feedwater
Class C									Bypass Line.
F01.050.047	2-51A-SR150	51A	1-0-1444	QAL-14	VT-3	NA	4.000		FILE NO. OSC-1023 PAGE 52.1 PROBLEM
	Hyd Snubber		OFD-101A-2.4				0.000		NO.2-51-18
Class B									HPI SYSTEM CROSSOVER LINE
F01.050.049	2-01A-H43	01A	1-1-0-1401B	QAL-14	VT-3	NA	12.000		FILE NO. OSC-442
	Hyd Snubber		OFD-122A-2.2				0.000		PROBLEM NO. 2-01-02 SHT2OF5
Class B									MAIN STEAM BYPASS TO CONDENSER
F01.050.050	2-01A-H44	01A	1-1-0-1401B	QAL-14	VT-3	NA	12.000		FILE NO. OSC-442
	Hyd Snubber		OFD-122A-2.2				0.000		PROBLEM NO. 2-01-02 SHT2OF5
Class B									MAIN STEAM BYPASS TO CONDENSER
F01.050.051	2-53B-SR100	53B	2-0-435B	QAL-14	VT-3	NA	14.000		FILE NO. OS-487, PROBLEM NO. 2-53-01, SHT 1
	Hyd Snubber		OFD-102A-2.1				0.000		OF 5. LPI TO DECAY HEAT REMOVAL SYSTEM
Class B									53B.
F01.050.052	2-53B-SR1000	53B	2-0-436E	QAL-14	VT-3	NA	14.000		FILE NO. OSC-481, PROBLEM NO. 51-2, SHT 4
	Hyd Snubber		OFD-102A-2.1				0.000		OF 6. HPI PUMP SUCT. HEADER W/BRANCHES
Class B									FROM B.W.S. TANK, L.S. TANK AND L.P.
									COOLERS "2A" & "2B".
F01.050.053	2-01A-R7	01A	3-0-1401B	QAL-14	VT-3	NA	12.000		FILE NO. OSC-443
	Hyd Snubber		OFD-122A-2.1				0.000		PROBLEM NO. 2-01-04 PAGE 23
Class B									MAIN STEAM PIPING.
F01.050.054	2-54A-R16	54A	3-0-1439A	QAL-14	VT-3	NA	8.000		FILE NO. OS-496, PROBLEM NO. 2-54-03, SHT 2
	Hyd Snubber		OFD-103A-2.1				0.000		OF 2. SYSTEM 54A.
Class B									

CATEGORY F-A, Supports

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ITEM NUMBER	ID NUMBER	SYS	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
F01.050.055	2-54A-R101	54A	3-0-435B	QAL-14	VT-3	NA	8.000		FILE NO. OS-494, PROBLEM NO. 2-54-1, SHT 1
	Hyd Snubber		OFD-103A-2.1				0.000		OF 1. REACTOR BUILDING SPRAY LINE "2A".
	Class B								
F01.050.056	2-54A-R2B	54A	3-0-435B	QAL-14	VT-3	NA	8.000		FILE NO. OS-495, PROBLEM NO. 2-54-02, SHT 1
	Hyd Snubber		OFD-103A-2.1				1.000		OF 1. REACTOR BUILDING SPRAY LINE "2B".
	Class B								
F01.050.057	2-01A-R17	01A	4-0-1403D	QAL-14	VT-3	NA	6.000		FILE NO. OSC-445, PROBLEM NO. 2-01-6, SHT 1
	Hyd Snubber		OFD-122A-2.4				0.000		OF 4. STEAM SUPPLY TO EFWP.
	Class C								
F01.050.058	2-01A-R18	01A	4-0-1403D	QAL-14	VT-3	NA	6.000		FILE NO. OSC-445, PROBLEM NO. 2-01-6, SHT 1
	Hyd Snubber		OFD-122A-2.4				0.000		OF 4. STEAM SUPPLY TO EFWP.
	Class C								
F01.050.061	2-01A-R6	01A	4-1-0-1403D	QAL-14	VT-3	NA	6.000		FILE NO. OSC-445, PROBLEM NO. 2-01-6, SHT 1
	Hyd Snubber		OFD-122A-2.4				0.000		OF 4. STEAM SUPPLY TO EFWP.
	Class C								
F01.050.062	2-01A-R2	01A	4-2-0-1403C	QAL-14	VT-3	NA	6.000		FILE NO. OSC-445, PROBLEM NO. 2-01-6, SHT 2
	Hyd Snubber		OFD-122A-2.4				0.000		OF 4.
	Class C								
F01.050.063	2-53B-SR1000	53B	5-0-435B	QAL-14	VT-3	NA	10.000		FILE NO. OS-493, PROBLEM NO. 2-53-2, SHT 1
	Hyd Snubber		OFD-102A-2.2				0.000		OF 4. FROM L. P. PUMPS "2A" & "2C" TO R. B. &
	Class B								BORATED WATER STORAGE TANK SYSTEM "53A" & "53B".
F01.050.064	2-13-SR1	13	7-0-1400A	QAL-14	VT-3	NA	12.000		File Number = OS-471;Problem Number = 13-7, Sht.
	Hyd Snubber		OFD-133A-2.2				0.000		1of 1; Emergengy Cooling Water Discharge
	Class C								
F01.050.065	2-13-SR4	13	7-0-1400B	QAL-14	VT-3	NA	30.000		File Number = OS-471;Problem Number = 13-7,
	Hyd Snubber		OFD-133A-2.2				0.000		SHt. 1of 1; Emergengy Cooling Water Discharge
	Class C								

CATEGORY F-A, Supports

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ITEM NUMBER	ID NUMBER	SYS	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
F01.050.066	2-07A-DE039	07A	0-1400A	QAL-14	VT-3	NA	24.000		FILE NO. OSC-467, PROBLEM NO. 2-07-01, PG
	Mech Snubber		OFD-121A-2.7				0.000		108. UPPER SURGE TANK TO CONDENSER
Class C									SYSTEM 07A.
F01.050.067	2-03-R13	03	0-1401A	QAL-14	VT-3	NA	24.000		FILE NO. OS-454, PROBLEM NO. 2-03-01, PG 44.
	Mech Snubber		OFD-121B-2.3				0.000		
Class C									
F01.050.068	2-03A-DE034	03A	0-1401A	QAL-14	VT-3	NA	6.000		FILE NO. OSC-447, PROBLEM NO. 2-03A-05, SHT
	Mech Snubber		OFD-121B-2.3				0.000		4 OF 7.
Class C									
F01.050.069	2-03A-H4088	03A	0-1401A	QAL-14	VT-3	NA	6.000		File Number = OS-459; Problem Number =
	Mech Snubber		OFD-121D-2.1				0.000		2-03A-06 Sht. 1 of 4; Emergency Feedwater
Class C									
F01.050.072	2-01A-R6	01A	0-1401B	QAL-14	VT-3	NA	36.000		FILE NO. OSC-440
	Mech Snubber		OFD-122A-2.1				1.000		PROBLEM NO. 2-01-01 PAGE 40
Class B									MAIN STEAM PIPING.
F01.050.073	2-01A-DE076	01A	0-1403D	QAL-14	VT-3	NA	6.000		FILE NO. OSC-445, PROBLEM NO. 2-01-6, SHT 1
	Mech Snubber		OFD-122A-2.4				0.000		OF 4. STEAM SUPPLY TO EFWP.
Class C									
F01.050.074	2-01A-DE077	01A	0-1403D	QAL-14	VT-3	NA	6.000		FILE NO. OSC-445, PROBLEM NO. 2-01-6, SHT 2
	Mech Snubber		OFD-122A-2.4				0.000		OF 4.
Class C									
F01.050.075	2-51A-H184	51A	0-1439A	QAL-14	VT-3	NA	4.000		FILE NO. OSC-1023 PAGE 48.1 PROBLEM
	Mech Snubber		OFD-101A-2.4				0.000		NO.2-51-18
Class B									HPI SYSTEM CROSSOVER LINE
F01.050.076	2-51A-H167	51A	0-1439C	QAL-14	VT-3	NA	4.000		FILE NO. OSC-1023 PAGE 47.1 PROBLEM
	Mech Snubber		OFD-101A-2.4				0.000		NO.2-51-18
Class B									HPI SYSTEM CROSSOVER LINE

CATEGORY F-A, Supports

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ITEM NUMBER	ID NUMBER	SYS	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
F01.050.079	2-01A-R7	01A	0-1441	QAL-14	VT-3	NA	36.000		FILE NO. OSC-440
	Hyd Snubber		OFD-122A-2.1				1.000		PROBLEM NO. 2-01-01 PAGE 40
	Class B								MAIN STEAM PIPING.
F01.050.080	2-01A-R9-1	01A	0-1441	QAL-14	VT-3	NA	36.000		FILE NO. OSC-440
	Hyd Snubber		OFD-122A-2.1				0.688		PROBLEM NO. 2-01-01 PAGE 40
	Class B								MAIN STEAM PIPING
F01.050.081	2-03A-NPS-H28	03A	0-1478A	QAL-14	VT-3	NA	3.000		FILE NO. OSC-1224-17, PROBLEM NO. 2-03A-13,
	Mech Snubber		OFD-121B-2.5				0.000		SHT 4 OF 5.
	Class C								
F01.050.082	2-03-H6103	03	0-1480A	QAL-14	VT-3	NA	6.000		File Number = OSC-1224-17, Page No. 50.1;
	Mech Snubber		OFD-121D-2.1				0.000		Problem Number = 2-03A-13; Aux Service Water
	Class B								Piping
F01.050.083	2-03A-H3A	03A	0-1480A	QAL-14	VT-3	NA	6.000		File Number = OSC-1224-17, Page No. 50.1;
	Mech Snubber		OFD-121D-2.1				0.237		Problem Number = 2-03A-13; Aux Service Water
	Class C								Piping.
F01.050.084	2-57-NWIZ	57	0-1480A	QAL-14	VT-3	NA	12.000		FILE NO. OSC-1332-06, PROBLEM NO. 2-57-01,
	Mech Snubber		OFD-107A-2.1				0.000		PG 14.1.
	Class C								
F01.050.086	2-03A-H121	03A	1-0-1400A	QAL-14	VT-3	NA	6.000		File Number = OSC-1213; Problem Number =
	Mech Snubber		OFD-121D-2.1				0.000		2-03A-12, Sht. 1 of 2; Aux Feedwater Discharge
	Class C								Sys.
F01.050.087	2-53B-DE063	53B	1-0-1436A	QAL-14	VT-3	NA	10.000		FILE NO. OS-493, PROBLEM NO. 2-53-2, SHT 2
	Mech Snubber		OFD-102A-2.2				0.000		OF 4. FROM L. P. PUMPS "2A" & "2C" TO R. B. &
	Class B								BORATED WATER STORAGE TANK SYSTEM
									"53A" & "53B".
F01.050.088	2-53B-DE068	53B	1-0-1439C	QAL-14	VT-3	NA	10.000		FILE NO. OS-493, PROBLEM NO. 2-53-2, SHT 3
	Mech Snubber		OFD-102A-2.2				0.000		OF 4. FROM L. P. PUMPS "2A" & "2C" TO R. B. &
	Class B								BORATED WATER STORAGE TANK SYSTEM
									"53A" & "53B".

CATEGORY F-A, Supports

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ITEM NUMBER	ID NUMBER	SYS	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
F01.050.089	2-53B-DE060	53B	1-0-435B	QAL-14	VT-3	NA	8.000		FILE NO. OS-493, PROBLEM NO. 2-53-2, SHT 1
	Mech Snubber		OFD-102A-2.2				0.000		OF 4. FROM L. P. PUMPS "2A" & "2C" TO R. B. &
Class B									BORATED WATER STORAGE TANK SYSTEM "53A" & "53B".
F01.050.090	2-53B-DE070	53B	1-0-438C	QAL-14	VT-3	NA	8.000		FILE NO. OS-493, PROBLEM NO. 2-53-2, SHT 3
	Mech Snubber		OFD-102A-2.1				0.000		OF 4. FROM L. P. PUMPS "2A" & "2C" TO R. B. &
Class B									BORATED WATER STORAGE TANK SYSTEM "53A" & "53B".
F01.050.091	2-53B-DE056	53B	2-0-436E	QAL-14	VT-3	NA	14.000		FILE NO. OSC-481, PROBLEM NO. 51-2, SHT 4
	Mech Snubber		OFD-102A-2.1				0.000		OF 6. HPI PUMP SUCT. HEADER W/BRANCHES
Class B									FROM B.W.S. TANK, L.S. TANK AND L.P. COOLERS "2A" & "2B".
F01.050.092	2-01A-R19	01A	4-0-1403D	QAL-14	VT-3	NA	6.000		FILE NO. OSC-445, PROBLEM NO. 2-01-6, SHT 1
	Mech Snubber		OFD-122A-2.4				0.000		OF 4. STEAM SUPPLY TO EFWP.
Class C									
F01.050.093	2-01A-R27	01A	4-2-0-1400A	QAL-14	VT-3	NA	6.000		FILE NO. OSC-445, PROBLEM NO. 2-01-6, SHT 2
	Mech Snubber		OFD-122A-2.4				0.237		OF 4.
Class C									
F01.050.094	2-53B-DE057	53B	5-0-435B	QAL-14	VT-3	NA	10.000		FILE NO. OS-487, PROBLEM NO. 2-53-01, SHT 3
	Mech Snubber		OFD-102A-2.2				0.000		OF 5. L. P. INJECTION & DECAY HEAT
Class B									REMOVAL SYSTEM 53B.
F01.050.095	2-07A-H60	07A	6-0-1400A	QAL-14	VT-3	NA	20.000		FILE NO. OSC-467, PROBLEM NO. 2-07-1 SHTS. 1
	Mech Snubber		OFD-121A-2.8				0.000		OF 6, 2 OF 6, & 3 OF 6. CONDENSATE SYSTEM.
Class C									
F01.050.096	2-07A-H61	07A	6-0-1400A	QAL-14	VT-3	NA	20.000		FILE NO. OSC-467, PROBLEM NO. 2-07-1 SHTS. 1
	Mech Snubber		OFD-121A-2.8				0.000		OF 6, 2 OF 6, & 3 OF 6. CONDENSATE SYSTEM.
Class C									
F01.050.097	2-07A-H62	07A	6-0-1400A	QAL-14	VT-3	NA	24.000		FILE NO. OSC-467, PROBLEM NO. 2-07-1 SHTS. 1
	Mech Snubber		OFD-121A-2.8				0.000		OF 6, 2 OF 6, & 3 OF 6. CONDENSATE SYSTEM.
Class C									

CATEGORY F-A, Supports

DUKE ENERGY CORPORATION
QUALITY ASSURANCE TECHNICAL SERVICES
Inservice Inspection Database Management System

Oconee 2

Inservice Inspection Plan for Interval 3 Outage 4

Spring Supports & Constant Load Supports

ITEM NUMBER	ID NUMBER	SYS	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
F01.050.098	2-50-RCPM-2A1-SS1	50	0-1066A	QAL-14	VT-3	NA	6.000		File No. OSC-0991-01-0001, Reactor Coolant Pump Motor Snubbers. Reference PIP 0-O96-1575. Inspect with F01.012.009.
	Hyd Snubber		OFD-100A-2.1				0.000		
Class A			OFD-100A-2.3						
F01.050.099	2-50-RCPM-2A1-SS2	50	0-1066A	QAL-14	VT-3	NA	6.000		File No. OSC-0991-01-0001, Reactor Coolant Pump Motor Snubbers. Reference PIP 0-O96-1575
	Hyd Snubber		OFD-100A-2.1				0.000		
Class A			OFD-100A-2.3						
F01.050.100	2-50-RCPM-2A1-SS3	50	0-1066A	QAL-14	VT-3	NA	6.000		File No. OSC-0991-01-0001, Reactor Coolant Pump Motor Snubbers. Reference PIP 0-O96-1575
	Hyd Snubber		OFD-100A-2.1				0.000		
Class A			OFD-100A-2.3						
F01.050.101	2-50-RCPM-2A2-SS1	50	0-1066A	QAL-14	VT-3	NA	6.000		File No. OSC-0991-01-0001, Reactor Coolant Pump Motor Snubbers. Reference PIP 0-O96-1575
	Hyd Snubber		OFD-100A-2.1				0.000		
Class A			OFD-100A-2.3						
F01.050.102	2-50-RCPM-2A2-SS2	50	0-1066A	QAL-14	VT-3	NA	6.000		File No. OSC-0991-01-0001, Reactor Coolant Pump Motor Snubbers. Reference PIP 0-O96-1575. Inspect with F01.012.010.
	Hyd Snubber		OFD-100A-2.1				0.000		
Class A			OFD-100A-2.3						
F01.050.103	2-50-RCPM-2A2-SS3	50	0-1066A	QAL-14	VT-3	NA	6.000		File No. OSC-0991-01-0001, Reactor Coolant Pump Motor Snubbers. Reference PIP 0-O96-1575
	Hyd Snubber		OFD-100A-2.1				0.000		
Class A			OFD-100A-2.3						
F01.050.104	2-50-RCPM-2B1-SS1	50	0-1066A	QAL-14	VT-3	NA	6.000		File No. OSC-0991-01-0001, Reactor Coolant Pump Motor Snubbers. Reference PIP 0-O96-1575
	Hyd Snubber		OFD-100A-2.1				0.000		
Class A			OFD-100A-2.3						
F01.050.105	2-50-RCPM-2B1-SS2	50	0-1066A	QAL-14	VT-3	NA	6.000		File No. OSC-0991-01-0001, Reactor Coolant Pump Motor Snubbers. Reference PIP 0-O96-1575
	Hyd Snubber		OFD-100A-2.1				0.000		
Class A			OFD-100A-2.3						
F01.050.106	2-50-RCPM-2B1-SS3	50	0-1066A	QAL-14	VT-3	NA	6.000		File No. OSC-0991-01-0001, Reactor Coolant Pump Motor Snubbers. Reference PIP 0-O96-1575. Inspect with F01.012.011.
	Hyd Snubber		OFD-100A-2.1				0.000		
Class A			OFD-100A-2.3						

CATEGORY F-A, Supports

DUKE ENERGY CORPORATION
QUALITY ASSURANCE TECHNICAL SERVICES
Inservice Inspection Database Management System
Oconee 2
Inservice Inspection Plan for Interval 3 Outage 4

Spring Supports & Constant Load Supports

ITEM NUMBER	ID NUMBER	SYS	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK CAL BLOCKS	COMMENTS
F01.050.107	2-50-RCPM-2B2-SS1	50	0-1066A	QAL-14	VT-3	NA	6.000	File No. OSC-0991-01-0001, Reactor Coolant Pump Motor Snubbers. Reference PIP 0-O96-1575
	Hyd Snubber		OFD-100A-2.1				0.000	
Class A			OFD-100A-2.3					
F01.050.108	2-50-RCPM-2B2-SS2	50	0-1066A	QAL-14	VT-3	NA	6.000	File No. OSC-0991-01-0001, Reactor Coolant Pump Motor Snubbers. Reference PIP 0-O96-1575. Inspect with F01.012.012.
	Hyd Snubber		OFD-100A-2.1				0.000	
Class A			OFD-100A-2.3					
F01.050.109	2-50-RCPM-2B2-SS3	50	0-1066A	QAL-14	VT-3	NA	6.000	File No. OSC-0991-01-0001, Reactor Coolant Pump Motor Snubbers. Reference PIP 0-O96-1575
	Hyd Snubber		OFD-100A-2.1				0.000	
Class A			OFD-100A-2.3					

Total F01.050 Items: 101

Total F01 Items: 136

CATEGORY AUG, Augmented Inspections

DUKE ENERGY CORPORATION
QUALITY ASSURANCE TECHNICAL SERVICES
Inservice Inspection Database Management System
Oconee 2
Inservice Inspection Plan for Interval 3 Outage 4

Reactor Coolant Pump Flywheel

ITEM NUMBER	ID NUMBER	SYS	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
G01.001.001	2-RCP-2A1	50	OM-201D-038 OFD-100A-2.1	NDE-900	UT	CS	72.000 9.500	N/A	Reference Section 7 Paragraph 7.1.1 of the ISI Plan - Volume 1.
Class A					RCP 2A1 Flywheel to				
G01.001.002	2-RCP-2A2	50	OM-201D-038 OFD-100A-2.1	NDE-900	UT	CS	72.000 9.500	N/A	Reference Section 7.1.1 of the ISI Plan - Volume 1.
Class A					RCP 2A2 Flywheel to				
G01.001.003	2-RCP-2B1	50	OM-201D-038 OFD-100A-2.1	NDE-900	UT	CS	72.000 9.500	N/A	Reference Section 7 Paragraph 7.1.1 of the ISI Plan - Volume 1.
Class A					RCP 2B1 Flywheel to				
G01.001.004	2-RCP-2B2	50	OM-201D-038 OFD-100A-2.1	NDE-900	UT	CS	72.000 9.500	N/A	Reference Section 7 Paragraph 7.1.1 of the ISI Plan - Volume 1.
Class A					RCP 2B2 Flywheel to				

Total G01.001 Items: 4

Total G01 Items: 4

CATEGORY AUG, Augmented Inspections

DUKE ENERGY CORPORATION
QUALITY ASSURANCE TECHNICAL SERVICES
Inservice Inspection Database Management System

High Pressure Injection Nozzle Safe End

Oconee 2

Inservice Inspection Plan for Interval 3 Outage 4

ITEM NUMBER	ID NUMBER	SYS	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
G02.001.005A Class A	2-PDA1-46	50	ISI-OCN2-011 B&W146629E OFD-100A-2.1	NDE-690	UT	CS	3.500 2.500	40410 40350	Reference Section 7 of the ISI Plan, Volume 1. 2A1 Make-Up Nozzle PC 46. Perform UT on the nozzle inside radius (knuckle area). Perform UT examination during outages 16, 18 & 20 for the third interval. This schedule cannot be changed. Check with Engineering prior to scheduling the fourth interval.
G02.001.005B Class A	2-PDA2-46	50	ISI-OCN2-012 B&W146629E OFD-100A-2.1	NDE-690	UT	CS	3.500 2.500	40410 40350	Reference Section 7 of the ISI Plan, Volume 1. 2A2 Make-Up Nozzle PC 46. Perform UT on the nozzle inside radius (knuckle area). Perform UT examination during outages 16, 18 & 20 for the third interval. This schedule cannot be changed. Check with Engineering prior to scheduling the fourth interval.
G02.001.005C Class A	2-PDB1-46	50	ISI-OCN2-013 B&W146629E OFD-100A-2.1	NDE-690	UT	CS	3.500 2.500	40410 40350	Reference Section 7 of the ISI Plan, Volume 1. 2B1 HPI Nozzle PC 46. Perform UT on the nozzle inside radius (knuckle area). Perform UT examination during outages 16, 18 & 20 for the third interval. This schedule cannot be changed. Check with Engineering prior to scheduling the fourth interval.
G02.001.005D Class A	2-PDB2-46	50	ISI-OCN2-014 B&W146629E OFD-100A-2.1	NDE-690	UT	CS	3.500 2.500	40410 40350	Reference Section 7 of the ISI Plan, Volume 1. 2B2 HPI Nozzle PC 46. Perform UT on the nozzle inside radius (knuckle area). Perform UT examination during outages 16, 18 & 20 for the third interval. This schedule cannot be changed. Check with Engineering prior to scheduling the fourth interval.
G02.001.006A Circumferential Class A	2-PDA1-11	50	ISI-OCN2-011 B&W146629E OFD-100A-2.1	NDE-610	UT Make-Up Nozzle, PC 46 to Safe End	SS-CS	3.500 0.750	40416 Component	Reference Section 7 of the ISI Plan, Volume 1. 2A1 Make-Up Nozzle PC 46 to Safe End PC 47. Perform UT on the nozzle to safe end weld. Perform UT examination during outages 16, 18 & 20 for the third interval. This schedule cannot be changed. Check with Engineering prior to scheduling the fourth interval.

CATEGORY AUG, Augmented Inspections

DUKE ENERGY CORPORATION
QUALITY ASSURANCE TECHNICAL SERVICES
Inservice Inspection Database Management System

[redacted] High Pressure Injection Nozzle Safe End

Oconee 2

Inservice Inspection Plan for Interval 3 Outage 4

ITEM NUMBER	ID NUMBER	SYS	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
G02.001.006B	2-PDA2-11	50	ISI-OCN2-012	NDE-610	UT	SS-CS	3.500	40416	Reference Section 7 of the ISI Plan, Volume 1. 2A2 Make-Up Nozzle PC 46 to Safe End PC 47. Perform UT on the nozzle to safe end weld. Perform UT examination during outages 16, 18 & 20 for the third interval. This schedule cannot be changed. Check with Engineering prior to scheduling the fourth interval.
	Circumferential		B&W146629E				0.750	Component	
Class A			OFD-100A-2.1		Make-Up Nozzle, PC 46 to Safe End, PC 47				
G02.001.006C	2-PDB1-11	50	ISI-OCN2-013	NDE-610	UT	SS-CS	3.500	40416	Reference Section 7 of the ISI Plan, Volume 1. 2B1 HPI Nozzle PC 46 to Safe End PC 47. Perform UT on the nozzle to safe end weld. Perform UT examination during outages 16, 18 & 20 for the third interval. This schedule cannot be changed. Check with Engineering prior to scheduling the fourth interval.
	Circumferential		B&W146629E				0.750	Component	
Class A			OFD-100A-2.1		HPI Nozzle, PC 46 to Safe End, PC 47				
G02.001.006D	2-PDB2-11	50	ISI-OCN2-014	NDE-610	UT	SS-CS	3.500	40416	Reference Section 7 of the ISI Plan, Volume 1. 2B2 HPI Nozzle PC 46 to Safe End PC 47. Perform UT on the nozzle to safe end weld. Perform UT examination during outages 16, 18 & 20 for the third interval. This schedule cannot be changed. Check with Engineering prior to scheduling the fourth interval.
	Circumferential		B&W146629E				0.750	Component	
Class A			OFD-100A-2.1		HPI Nozzle, PC 46 to Safe End, PC 47				
G02.001.007A	2-PDA1-47	50	ISI-OCN2-011	NDE-960	UT	SS	3.500	Component	Reference Section 7 of the ISI Plan, Volume 1. Safe End PC 47 adjoining Make-Up nozzle 2A1. Perform UT on the Safe End base metal (between the nozzle to safe end weld and the safe end to pipe weld). Perform UT examination during outages 16, 18 & 20 for the third interval. This schedule cannot be changed. Check with Engineering prior to scheduling the fourth interval.
			B&W146629E				0.750		
Class A			OFD-100A-2.1						
G02.001.007B	2-PDA2-47	50	ISI-OCN2-012	NDE-960	UT	SS	3.500	Component	Reference Section 7 of the ISI Plan, Volume 1. Safe End PC 47 adjoining Make-Up nozzle 2A2. Perform UT on the Safe End base metal (between the nozzle to safe end weld and the safe end to pipe weld). Perform UT examination during outages 16, 18 & 20 for the third interval. This schedule cannot be changed. Check with Engineering prior to scheduling the fourth interval.
			B&W146629E				0.750		
Class A			OFD-100A-2.1						

CATEGORY AUG, Augmented Inspections

DUKE ENERGY CORPORATION
QUALITY ASSURANCE TECHNICAL SERVICES
Inservice Inspection Database Management System

High Pressure Injection Nozzle Safe End

Oconee 2

Inservice Inspection Plan for Interval 3 Outage 4

ITEM NUMBER	ID NUMBER	SYS	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
G02.001.007C Class A	2-PDB1-47	50	ISI-OCN2-013 B&W146629E OFD-100A-2.1	NDE-960	UT	SS	3.500 0.750	Component	Reference Section 7 of the ISI Plan, Volume 1. Safe End PC 47 adjoining HPI nozzle 2B1. Perform UT on the Safe End base metal (between the nozzle to safe end weld and the safe end to pipe weld). Perform UT examination during outages 16, 18 & 20 for the third interval. This schedule cannot be changed. Check with Engineering prior to scheduling the fourth interval.
G02.001.007D Class A	2-PDB2-47	50	ISI-OCN2-014 B&W146629E OFD-100A-2.1	NDE-960	UT	SS	3.500 0.750	Component	Reference Section 7 of the ISI Plan, Volume 1. Safe End PC 47 adjoining HPI nozzle 2B2. Perform UT on the Safe End base metal (between the nozzle to safe end weld and the safe end to pipe weld). Perform UT examination during outages 16, 18 & 20 for the third interval. This schedule cannot be changed. Check with Engineering prior to scheduling the fourth interval.
G02.001.008A Circumferential Class A	2RC-204-18	50	2RC-204 B&W146629E OFD-100A-2.1	NDE-960	UT Safe End, PC 47 to Pipe	SS	2.500 0.375	Component	Reference Section 7 of the ISI Plan, Volume 1. Make-Up nozzle 2A1 . Perform UT on weld 2RC-204-18 and adjoining base metal out to weld 2RC-204-20 (at valve 2HP-127). Perform UT examination during outages 16, 18 & 20 for the third interval. This schedule cannot be changed. Check with Engineering prior to scheduling the fourth interval. Inspect at the same time item number G04.001.029 is inspected. Note: The inspection performed for the G02 item number will be sufficient to meet the requirements for the G04 inspection.
G02.001.008B Circumferential Class A	2RC-203-2	50	2RC-203 B&W146629E OFD-100A-2.1	NDE-960	UT Safe End, PC 47 to Pipe	SS	2.500 0.375	Component	Reference Section 7 of the ISI Plan, Volume 1. Make-Up nozzle 2A2 . Perform UT on weld 2RC-203-2 and adjoining base metal out to weld 2RC-203-3 (at valve 2HP-126). Perform UT examination during outages 16, 18 & 20 for the third interval. This schedule cannot be changed. Check with Engineering prior to scheduling the fourth interval. Inspect at the same time item number G04.001.027 is inspected.

CATEGORY AUG, Augmented Inspections

DUKE ENERGY CORPORATION
QUALITY ASSURANCE TECHNICAL SERVICES
Inservice Inspection Database Management System

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Oconee 2

Inservice Inspection Plan for Interval 3 Outage 4

ITEM NUMBER	ID NUMBER	SYS	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
									Note: The inspection performed for the G02 item number will be sufficient to meet the requirements for the G04 inspection.
G02.001.008C Class A	2RC-202-1 Circumferential	50	2RC-202 B&W146629E OFD-100A-2.1	NDE-960	UT Safe End, PC 47 to Pipe	SS	2.500 0.375	Component	Reference Section 7 of the ISI Plan, Volume 1. HPI nozzle 2B1 . Perform UT on weld 2RC-202-1 and adjoining base metal out to weld 2RC-202-3 (at valve 2HP-153). Perform UT examination during outages 16, 18 & 20 for the third interval. This schedule cannot be changed. Check with Engineering prior to scheduling the fourth interval. Inspect this weld at the same time item number G04.001.001 is inspected. Note: The inspection performed for the G02 item number will be sufficient to meet the requirements for the G04 inspection.
G02.001.008D Class A	2RC-205-1 Circumferential	50	2RC-205 B&W146629E OFD-100A-2.1	NDE-960	UT Safe End, PC 47 to Pipe	SS	2.500 0.375	Component	Reference Section 7 of the ISI Plan, Volume 1. HPI nozzle 2B2 . Perform UT on weld 2RC-205-1 and adjoining base metal out to weld 2RC-205-3 (at valve 2HP-152). Perform UT examination during outages 16, 18 & 20 for the third interval. This schedule cannot be changed. Check with Engineering prior to scheduling the fourth interval. Inspect this weld at the same time item number G04.001.004 is inspected. Note: The inspection performed for the G02 item number will be sufficient to meet the requirements for the G04 inspection.
G02.001.010A Class A	2RC-204-20 Circumferential	50	2RC-204 B&W146629E OFD-100A-2.1	NDE-960	UT Pipe Pipe to Vlv 2HP-127	SS	2.500 0.375	Component	Reference Section 7 of the ISI Plan, Volume 1. Make-Up nozzle 2A1. Perform UT on weld 2RC-204-20 at valve 2HP-127. Perform UT examination during outages 16, 18 & 20 for the third interval. This schedule cannot be changed. Check with Engineering prior to scheduling the fourth interval. Inspect this weld at the same time item number G04.001.030 is inspected. Note: The inspection performed for the G02 item number will be sufficient to meet the requirements

CATEGORY AUG, Augmented Inspections

DUKE ENERGY CORPORATION
QUALITY ASSURANCE TECHNICAL SERVICES
Inservice Inspection Database Management System
Oconee 2
Inservice Inspection Plan for Interval 3 Outage 4

[redacted] High Pressure Injection Nozzle Safe End

ITEM NUMBER	ID NUMBER	SYS	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
									for the G04 inspection.
G02.001.010B Class A	2RC-203-3 Circumferential	50	2RC-203 B&W146629E OFD-100A-2.1	NDE-960	UT Pipe Pipe to Vlv 2HP-126	SS	2.500 0.375	Component	Reference Section 7 of the ISI Plan, Volume 1. Make-Up nozzle 2A2. Perform UT on weld 2RC-203-3 at valve 2HP-126. Perform UT examination during outages 16, 18 & 20 for the third interval. This schedule cannot be changed. Check with Engineering prior to scheduling the fourth interval. Inspect this weld at the same time item number G04.001.028 is inspected. Note: The inspection performed for the G02 item number will be sufficient to meet the requirements for the G04 inspection.
G02.001.010C Class A	2RC-202-3 Circumferential	50	2RC-202 B&W146629E OFD-100A-2.1	NDE-960	UT Pipe Pipe to Vlv 2HP-153	SS	2.500 0.375	Component	Reference Section 7 of the ISI Plan, Volume 1. HPI nozzle 2B1. Perform UT on weld 2RC-202-3 at valve 2HP-153. Perform UT examination during outages 16, 18 & 20 for the third interval. This schedule cannot be changed. Check with Engineering prior to scheduling the fourth interval. Inspect this weld at the same time G04.001.003 is inspected. Note: The inspection performed for the G02 item number will be sufficient to meet the requirements for the G04 inspection.
G02.001.010D Class A	2RC-205-3 Circumferential	50	2RC-205 B&W146629E OFD-100A-2.1	NDE-960	UT Pipe Pipe to Vlv 2HP-152	SS	2.500 0.375	Component	Reference Section 7 of the ISI Plan, Volume 1. HPI nozzle 2B2. Perform UT on weld 2RC-205-3 at valve 2HP-152. Perform UT examination during outages 16, 18 & 20 for the third interval. This schedule cannot be changed. Check with Engineering prior to scheduling the fourth interval. Inspect this weld at the same time item number G04.001.006 is inspected. Note: The inspection performed for the G02 item number will be sufficient to meet the requirements for the G04 inspection.

CATEGORY AUG, Augmented Inspections

DUKE ENERGY CORPORATION
QUALITY ASSURANCE TECHNICAL SERVICES
Inservice Inspection Database Management System
Oconee 2
Inservice Inspection Plan for Interval 3 Outage 4

High Pressure Injection Nozzle Safe End

ITEM NUMBER	ID NUMBER	SYS	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
G02.001.011A	2A1 THERM-SLEEVE	50	ISI OCN2-011	NDE-105	RT	SS	3.500		Reference Section 7 of the ISI Plan, Volume 1. Make-Up nozzle 2A1. Perform RT between the nozzle to safe end and safe end to pipe weld in the thermal sleeve expansion area as described in procedure NDE-105. Perform RT examination during outages 16, 18 & 20 for the third interval. This schedule cannot be changed. Check with Engineering prior to scheduling the fourth interval.
	Circumferential		B&W146629E				0.750		
Class A			OFD-100A-2.1						
G02.001.011B	2A2 THERM-SLEEVE	50	ISI OCN2-012	NDE-105	RT	SS	3.500		Reference Section 7 of the ISI Plan, Volume 1. Make-Up nozzle 2A2. Perform RT between the nozzle to safe end and safe end to pipe weld in the thermal sleeve expansion area as described in procedure NDE-105. Perform RT examination during outages 16, 18 & 20 for the third interval. This schedule cannot be changed. Check with Engineering prior to scheduling the fourth interval.
	Circumferential		B&W146629E				0.750		
Class A			OFD-100A-2.1						
G02.001.011C	2B1 THERM-SLEEVE	50	ISI OCN2-013	NDE-105	RT	SS	3.500		Reference Section 7 of the ISI Plan, Volume 1. HPI nozzle 2B1. Perform RT between the nozzle to safe end and safe end to pipe weld in the thermal sleeve expansion area as described in procedure NDE-105. Perform RT examination during outages 16, 18 & 20 for the third interval. This schedule cannot be changed. Check with Engineering prior to scheduling the fourth interval.
	Circumferential		B&W146629E				0.750		
Class A			OFD-100A-2.1						
G02.001.011D	2B2 THERM-SLEEVE	50	ISI OCN2-014	NDE-105	RT	SS	3.500		Reference Section 7 of the ISI Plan, Volume 1. HPI nozzle 2B2. Perform RT between the nozzle to safe end and safe end to pipe weld in the thermal sleeve expansion area as described in procedure NDE-105. Perform RT examination during outages 16, 18 & 20 for the third interval. This schedule cannot be changed. Check with Engineering prior to scheduling the fourth interval.
	Circumferential		B&W146629E				0.750		
Class A			OFD-100A-2.1						

Total G02.001 Items:	24
Total G02 Items:	24

CATEGORY AUG, Augmented Inspections

DUKE ENERGY CORPORATION
QUALITY ASSURANCE TECHNICAL SERVICES
Inservice Inspection Database Management System
Oconee 2
Inservice Inspection Plan for Interval 3 Outage 4

[redacted] NRC Bulletin 88-08

ITEM NUMBER	ID NUMBER	SYS	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
G04.001.001 Class A	2RC-202-1 Circumferential	51A	2RC-202 OFD-100A-2.1	NDE-600	UT Pipe to Safe-End	SS	2.500 0.375	TBD	Inspect 100% of weld &1" of base material (axial & circumferential). Reference Section 7 Paragraph 7.1.4 of ISI Plan - Volume 1. This weld was listed previously as 2-51A-39-90C until iso 2-51A-39 was redrawn. Inspect this weld at the same time item number G02.001.008C is inspected. Note: The inspection performed for the G02 item number will be sufficient to meet the requirements for the G04 inspection.
G04.001.003 Class A	2RC-202-3 Circumferential	51A	2RC-202 OFD-101A-2.4	NDE-600	UT Pipe to Valve 2HP-153	SS	2.500 0.375	TBD	Inspect 100% of weld & 1" of base material (axial & circumferential). Reference Section 7 Paragraph 7.1.4 of ISI Plan - Volume 1. This weld was listed previously as 2-51A-39-91 until iso 2-51A-39. Inspect this weld at the same time item number G02.001.010C is inspected. Note: The inspection performed for the G02 item number will be sufficient to meet the requirements for the G04 inspection.
G04.001.004 Class A	2RC-205-1 Circumferential	51A	2RC-205 OFD-100A-2.1	NDE-600	UT Pipe to Safe-End	SS	2.500 0.375	TBD	Inspect 100% of weld &1" of base material (axial & circumferential). Reference Section 7 Paragraph 7.1.4 of ISI Plan - Volume 1. This weld was listed previously as 2-51A-39-92A until iso 2-51A-39 was redrawn. Inspect this weld at the same time item number G02.001.008D is inspected. Note: The inspection performed for the G02 item number will be sufficient to meet the requirements for the G04 inspection.
G04.001.006 Class A	2RC-205-3 Circumferential	51A	2RC-205 OFD-101A-2.4	NDE-600	UT Pipe to Valve 2HP-152	SS	2.500 0.375	TBD	Inspect 100% of weld &1" of base material (axial & circumferential). Reference Section 7 Paragraph 7.1.4 of ISI Plan - Volume 1. This weld was listed previously as 2-51A-39-93 until iso 2-51A-39 was redrawn. Inspect this weld at the same time item number G02.001.010D is inspected. Note: The inspection performed for the G02 item

CATEGORY AUG, Augmented Inspections

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Oconee 2

Inservice Inspection Plan for Interval 3 Outage 4

ITEM NUMBER	ID NUMBER	SYS	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
									number will be sufficient to meet the requirements for the G04 inspection.
G04.001.013 Class A	2RC-202-4 Circumferential	51A	2RC-202 OFD-101A-2.4	NDE-600 NDE-12	UT Valve 2HP-488 to Valve 2HP-153	SS	2.500 0.375		Inspect 100% of weld & 1" of base material (axial & circumferential). Reference Section 7 Paragraph 7.1.4 of ISI Plan - Volume 1. This weld was made during Outage 15 and will be added to the inspection rotation with the rest of the welds in this category. Use procedure NDE-12 if needed to obtain necessary examination coverage due to configuration (vlv to vlv).
G04.001.014 Class A	2RC-203-4 Circumferential	51A	2RC-203 OFD-101A-2.4	NDE-600 NDE-12	UT Valve 2HP-486 to Valve 2HP-126	SS	2.500 0.375		Inspect 100% of weld & 1" of base material (axial & circumferential). Reference Section 7 Paragraph 7.1.4 of ISI Plan. Use procedure NDE-12 if needed to obtain necessary examination coverage due to configuration (vlv to vlv).
G04.001.015 Class A	2RC-204-4 Circumferential	51A	2RC-204 OFD-101A-2.4	NDE-600 NDE-12	UT Valve 2HP-487 to Valve 2HP-127	SS	2.500 0.375		Inspect 100% of weld & 1" of base material (axial & circumferential). Reference Section 7 Paragraph 7.1.4 of ISI Plan. Use procedure NDE-12 if needed to obtain necessary examination coverage due to configuration (vlv to vlv).
G04.001.016 Class A	2RC-205-4 Circumferential	51A	2RC-205 OFD-101A-2.4	NDE-600 NDE-12	UT Valve 2HP-489 to Valve 2HP-152	SS	2.500 0.375		Inspect 100% of weld & 1" of base material (axial & circumferential). Reference Section 7 Paragraph 7.1.4 of ISI Plan. Use procedure NDE-12 if needed to obtain necessary examination coverage due to configuration (vlv to vlv).
G04.001.027 Class A	2RC-203-2 Circumferential	50	2RC-203 B&W146629E OFD-100A-2.1	NDE-600	UT Safe End, PC 47 to Pipe	SS	2.500 0.375	Component	Inspect 100% of weld & 1" of base material (axial & circumferential). Reference Section 7 Paragraph 7.1.4 of ISI Plan. Inspect at the same time item number G02.001.008B is inspected. Note: The inspection performed for the G02 item number will be sufficient to meet the requirements

CATEGORY AUG, Augmented Inspections

DUKE ENERGY CORPORATION
QUALITY ASSURANCE TECHNICAL SERVICES
Inservice Inspection Database Management System
Oconee 2
Inservice Inspection Plan for Interval 3 Outage 4

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ITEM NUMBER	ID NUMBER	SYS	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
									for the G04 inspection.
G04.001.028 Class A	2RC-203-3 Circumferential	50	2RC-203 B&W146629E OFD-100A-2.1	NDE-600	UT Pipe Pipe to Vlv 2HP-126	SS	2.500 0.375	Component	Inspect 100% of weld & 1" of base material (axial & circumferential). Reference Section 7 Paragraph 7.1.4 of ISI Plan. Inspect this weld at the same time item number G02.001.010B is inspected. Note: The inspection performed for the G02 item number will be sufficient to meet the requirements for the G04 inspection.
G04.001.029 Class A	2RC-204-18 Circumferential	50	2RC-204 B&W146629E OFD-100A-2.1	NDE-600	UT Safe End, PC 47 to Pipe	SS	2.500 0.375	Component	Inspect 100% of weld & 1" of base material (axial & circumferential). Reference Section 7 Paragraph 7.1.4 of ISI Plan. Inspect this weld at the same time item number G02.001.008A is inspected. Note: The inspection performed for the G02 item number will be sufficient to meet the requirements for the G04 inspection.
G04.001.030 Class A	2RC-204-20 Circumferential	50	2RC-204 B&W146629E OFD-100A-2.1	NDE-600	UT Pipe Pipe to Vlv 2HP-127	SS	2.500 0.375	Component	Inspect 100% of weld & 1" of base material (axial & circumferential). Reference Section 7 Paragraph 7.1.4 of ISI Plan. Inspect this weld at the same time item number G02.001.010A is inspected. Note: The inspection performed for the G02 item number will be sufficient to meet the requirements for the G04 inspection.

Total G04.001 Items: 12

Total G04 Items: 12

CATEGORY AUG, Augmented Inspections

DUKE ENERGY CORPORATION
QUALITY ASSURANCE TECHNICAL SERVICES
Inservice Inspection Database Management System

Oconee 2

Inservice Inspection Plan for Interval 3 Outage 4

Circumferential Pipe Welds With A Nom. Wall Thk. < 3/8" and > NPS 4"

ITEM NUMBER	ID NUMBER	SYS	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
G09.001.013	2-53B-19-19	53B	2-53B-19(3)	NDE-35	PT	SS	10.000		Non-Legitimate Weld in Inspection Category C-F-1. Reference Section 7, Paragraph 7.1.9 in ISI Plan - Volume 1.
	Circumferential		OFD-102A-2.2				0.250		
Class B					Pipe to Elbow				
G09.001.018	2LP-167-2	53B	2LP-167	NDE-35	PT	SS	10.000		Non-Legitimate Weld in Inspection Category C-F-1. Reference Section 7, Paragraph 7.1.9 in ISI Plan - Volume 1. This weld used to be listed as 2-53B-27-2 and was shown on isometric 2-53B-27(1).
	Circumferential		OFD-102A-2.2				0.250		
Class B					Pipe to Elbow				
G09.001.023	2-53B-28-30	53B	2-53B-28(2)	NDE-35	PT	SS	8.000		Non-Legitimate Weld in Inspection Category C-F-1. Reference Section 7, Paragraph 7.1.9 in ISI Plan - Volume 1.
	Circumferential		OFD-102A-2.2				0.148		
Class B					Pipe to Elbow				
G09.001.035	2BS-29-22C	54A	2BS-29	NDE-35	PT	SS	8.000		Non-Legitimate Weld in Inspection Category C-F-1. Reference Section 7, Paragraph 7.1.9 in ISI Plan - Volume 1. This weld was previously listed as 2-54A-7-22C; until iso 2-54A-7 was redrawn.
	Circumferential		OFD-103A-2.1				0.250		
Class B					Valve 2BS-17 to Pipe				
G09.001.036	2BS-29-28	54A	2BS-29	NDE-35	PT	SS	8.000		Non-Legitimate Weld in Inspection Category C-F-1. Reference Section 7, Paragraph 7.1.9 in ISI Plan - Volume 1. This weld was previously listed as 2-54A-7-28; until iso 2-54A-7 was redrawn.
	Circumferential		OFD-103A-2.1				0.250		
Class B					Pipe to Elbow				
G09.001.040	1-56-6-313B	56	1-56-6	NDE-35	PT	SS	8.000		Non-Legitimate Weld in Inspection Category C-F-1. Reference Section 7, Paragraph 7.1.9 in ISI Plan - Volume 1. Note: Unit 1 iso but it is on unit 2 piping side of a shared system.
	Circumferential		OFD-104A-1.1				0.148		
Class B					Valve 2SF-60 to Pipe				
G09.001.041	2-56-25-4	56	2-56-25	NDE-35	PT	SS	8.000		Non-Legitimate Weld in Inspection Category C-F-1. Reference Section 7, Paragraph 7.1.9 in ISI Plan - Volume 1.
	Circumferential		OFD-104A-1.1				0.148		
Class B					Elbow to Pipe				

Total G09.001 Items: 7

Total G09 Items: 7

CATEGORY AUG, Augmented Inspections

DUKE ENERGY CORPORATION
QUALITY ASSURANCE TECHNICAL SERVICES
Inservice Inspection Database Management System

[redacted] HPI System Upgrade

Oconee 2

Inservice Inspection Plan for Interval 3 Outage 4

ITEM NUMBER	ID NUMBER	SYS	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
G12.001.003	2-51B-18-88 Circumferential	51B	2-51B-18 OFD-101A-2.2	NDE-35	PT	SS	3.000 0.120		Non-Legitimate Weld in Inspection Category C-F-1. Reference Section 7, Paragraph 7.1.11 in ISI Plan - Volume 1.
Class B					Valve 2LWD224 to Elbow				
G12.001.010	2-51B-22-48 Circumferential	51B	2-51B-22 OFD-101A-2.2	NDE-35	PT	SS	2.500 0.120		Non-Legitimate Weld in Inspection Category C-F-1. Reference Section 7, Paragraph 7.1.11 in ISI Plan - Volume 1.
Class B					Elbow to Pipe				

Total G12.001 Items: 2

Total G12 Items: 2

5.0 Results Of Inspections Performed

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

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

Item Number	=	ASME Section XI Tables IWB-2500-1 (Class 1), IWC-2500-1 (Class 2), IWF-2500-1 (Class 1 and Class 2), Augmented Requirements
ID Number	=	Unique Identification Number
System	=	System examined
Insp Date	=	Date of Examination
Insp Status	=	CLR Clear REC Recordable REP Reportable
Insp Limited	=	Indicates inspection was limited. Coverage obtained is listed
Geo. Ref. (Geometric Reflector applies only to UT)	=	Y Yes N No
RFR	=	Request for Relief Required
Comments	=	General and/or Detail Description

DUKE ENERGY CORPORATION
QUALITY ASSURANCE TECHNICAL SERVICES
In-Service Inspection Database Management System
Oconee 2 Inservice Inspection Listing
Interval 3 Outage 4

Plant: Oconee 2

ITEM NUMBER	ID NUMBER	SYSTEM	INSP DATE	INSP STATUS	INSP LIMITED	GEO REF	RFR	COMMENTS
B02.011.002	2-PZR-WP28	50	05/15/2001	REC	98.80%	N	N	Indication # 1-70° is a subsurface indication with an a/t ratio of 1.6%. The code allows 2.7% - Acceptable per Acceptance Standard IWB-3510-1. Indication #2-70° is a subsurface indication with an a/t ratio of 1%. The code allows 2.4% - Acceptable per Acceptance Standard IWB-3510-1.
B02.012.002	2-PZR-WP7-1	50	05/15/2001	CLR	91.20%	N	N	
B03.130.005	2-SGA-WG25	50	05/17/2001	CLR	57.98%	N	Y	Request for Relief # 01-011
B03.140.005	2-SGA-WG25	50	05/17/2001	CLR	70.21%	N	Y	Request for Relief # 01-011
B05.050.001	2-PZR-WP91-1	50	05/12/2001	CLR	---	N	N	
B05.050.002	2-PZR-WP91-2	50	05/12/2001	CLR	---	N	N	
B05.050.003	2-PZR-WP91-3	50	05/09/2001	CLR	---	N	N	
B05.130.003	2-PDA2-2	50	05/06/2001	CLR	---	N	N	
B05.130.003A	2-PDA2-2	50	05/06/2001	CLR	---	N	N	
B05.130.003B	2-PDA2-2	50	05/06/2001	CLR	---	N	N	
B05.130.005	2-PDB2-2	50	05/05/2001	CLR	---	N	N	
B05.130.005A	2-PDB2-2	50	05/05/2001	CLR	---	N	N	
B05.130.005B	2-PDB2-2	50	05/02/2001	CLR	---	N	N	
B06.010.002	2-RPV-26-204-02	50	05/06/2001	CLR	---	N	N	
B06.010.003	2-RPV-26-204-03	50	05/06/2001	CLR	---	N	N	
B06.010.004	2-RPV-26-204-04	50	05/06/2001	CLR	---	N	N	
B06.010.005	2-RPV-26-204-05	50	05/06/2001	CLR	---	N	N	
B06.010.006	2-RPV-26-204-06	50	05/06/2001	CLR	---	N	N	
B06.010.007	2-RPV-26-204-07	50	05/06/2001	CLR	---	N	N	
B06.010.008	2-RPV-26-204-08	50	05/06/2001	CLR	---	N	N	
B06.010.009	2-RPV-26-204-09	50	05/06/2001	CLR	---	N	N	
B06.010.010	2-RPV-26-204-10	50	05/06/2001	CLR	---	N	N	
B06.010.011	2-RPV-26-204-11	50	05/06/2001	CLR	---	N	N	
B06.010.012	2-RPV-26-204-12	50	05/06/2001	CLR	---	N	N	
B06.010.013	2-RPV-26-204-13	50	05/03/2001	CLR	---	N	N	
B06.010.014	2-RPV-26-204-14	50	05/03/2001	CLR	---	N	N	
B06.010.015	2-RPV-26-204-15	50	05/03/2001	CLR	---	N	N	
B06.010.020	2-RPV-26-204-20	50	05/03/2001	CLR	---	N	N	
B06.010.021	2-RPV-26-204-21	50	05/03/2001	CLR	---	N	N	
B06.030.002	2-RPV-25-204-02	50	05/06/2001	CLR	---	N	N	
B06.030.002A	2-RPV-25-204-02	50	05/06/2001	CLR	---	N	N	
B06.030.003	2-RPV-25-204-03	50	05/06/2001	CLR	---	N	N	
B06.030.003A	2-RPV-25-204-03	50	05/06/2001	CLR	---	N	N	

ITEM NUMBER	ID NUMBER	SYSTEM	INSP DATE	INSP STATUS	INSP LIMITED	GEO REF	RFR	COMMENTS
B06.030.004	2-RPV-25-204-64	50	05/06/2001	CLR	---	N	N	
B06.030.004A	2-RPV-25-204-64	50	05/06/2001	CLR	---	N	N	
B06.030.005	2-RPV-25-204-05	50	05/06/2001	CLR	---	N	N	
B06.030.005A	2-RPV-25-204-05	50	05/06/2001	CLR	---	N	N	
B06.030.006	2-RPV-25-204-06	50	05/06/2001	CLR	---	N	N	
B06.030.006A	2-RPV-25-204-06	50	05/06/2001	CLR	---	N	N	
B06.030.007	2-RPV-25-204-07	50	05/06/2001	CLR	---	N	N	
B06.030.007A	2-RPV-25-204-07	50	05/06/2001	CLR	---	N	N	
B06.030.008	2-RPV-25-204-08	50	05/06/2001	CLR	---	N	N	
B06.030.008A	2-RPV-25-204-08	50	05/06/2001	CLR	---	N	N	
B06.030.009	2-RPV-25-204-09	50	05/06/2001	CLR	---	N	N	
B06.030.009A	2-RPV-25-204-09	50	05/06/2001	CLR	---	N	N	
B06.030.010	2-RPV-25-204-10	50	05/06/2001	CLR	---	N	N	
B06.030.010A	2-RPV-25-204-10	50	05/06/2001	CLR	---	N	N	
B06.030.011	2-RPV-25-204-11	50	05/06/2001	CLR	---	N	N	
B06.030.011A	2-RPV-25-204-11	50	05/06/2001	CLR	---	N	N	
B06.030.012	2-RPV-25-204-12	50	05/06/2001	CLR	---	N	N	
B06.030.012A	2-RPV-25-204-12	50	05/06/2001	CLR	---	N	N	
B06.030.013	2-RPV-25-204-13	50	05/03/2001	CLR	---	N	N	
B06.030.013A	2-RPV-25-204-13	50	05/03/2001	CLR	---	N	N	
B06.030.014	2-RPV-25-204-14	50	05/03/2001	CLR	---	N	N	
B06.030.014A	2-RPV-25-204-14	50	05/03/2001	CLR	---	N	N	
B06.030.015	2-RPV-25-204-15	50	05/03/2001	CLR	---	N	N	
B06.030.015A	2-RPV-25-204-15	50	05/03/2001	CLR	---	N	N	
B06.030.020	2-RPV-25-204-20	50	05/03/2001	CLR	---	N	N	
B06.030.020A	2-RPV-25-204-20	50	05/03/2001	CLR	---	N	N	
B06.030.021	2-RPV-25-204-21	50	05/03/2001	CLR	---	N	N	
B06.030.021A	2-RPV-25-204-21	50	05/03/2001	CLR	---	N	N	
B06.050.001B	2-RPV-WASH-BUSH	50	05/06/2001	CLR	---	N	N	Emanual Adamson inspected washers 1 thru 12. J.G. Jackson inspected washers 13, 14, 15, 20 and 21.
B06.060.001	2-PZR-MW-STUDS	50	05/12/2001	CLR	---	N	N	
B06.080.001	2-PZR-MW-NUTS	50	05/08/2001	CLR	---	N	N	
B07.030.005	2-SGA-UHIC-BOLT	50	05/05/2001	CLR	---	N	N	
B07.030.006	2-SGA-LHIC-BOLT	50	05/20/2001	CLR	---	N	N	
B07.070.007	2-53A-LP1-BOLTS	53A	05/08/2001	CLR	---	N	N	
B07.080.001	2-RPV-CRD-BOLTS	50	05/11/2001	REC	---	N	N	J.G. Jackson inspected bolts on CRD# 18, 4, 6 and they were acceptable. John Hightower inspected bolts on CRD# 69, 13, 55,

ITEM NUMBER	ID NUMBER	SYSTEM	INSP DATE	INSP STATUS	INSP LIMITED	GEO REF	RFR	COMMENTS
								35, 11, 36 and found indications. The indications were not service induced but were caused by maintenance activities(disassembly). The damaged bolts were replaced.
B07.080.002	2-RPV-CRD-RINGS	50	05/07/2001	REC	---	N	N	John Hightower inspected Housing Rings on CRD# 69, 13, 55, 36, 56 and found indications. The indications were not service induced but were caused by maintenance activities(disassembly). These Rings were replaced. John A. Smith inspected Housing Rings on CRD# 4 and 6 on 5-17-01 and they were acceptable.
B09.011.002	2-53A-10-8	53A	05/08/2001	REC	---	Y	N	Indication # 1 was determined to be a geometric reflector due to I.D. weld root geometry. This was confirmed by the use of a WSY-70 transducer, plotting of the indication and the review of the previous data.
B09.011.002A	2-53A-10-8	53A	05/08/2001	CLR	---	N	N	
B09.011.010	2-53A-8-60	53A	05/12/2001	CLR	---	N	N	
B09.011.010A	2-53A-8-60	53A	05/12/2001	CLR	---	N	N	
B09.011.020	2-PHA-12	50	05/15/2001	CLR	---	N	N	
B09.011.020A	2-PHA-12	50	05/15/2001	CLR	---	N	N	
B09.011.024	2-PIA1-4	50	05/13/2001	CLR	---	N	N	
B09.011.024A	2-PIA1-4	50	05/13/2001	CLR	---	N	N	
B09.011.026	2-PIA2-4	50	05/13/2001	CLR	---	N	N	
B09.011.026A	2-PIA2-4	50	05/13/2001	CLR	---	N	N	
B09.011.028	2-PIB1-4	50	05/18/2001	REC	---	Y	N	Indication # 1-60° is a geometric reflector from the cladded area of the weld root. This was confirmed by using a 70° beam angle and a WSY-70. The 70° beam angle was only 20% amplitude compared to 80% amplitude with the 60° beam angle. The WSY-70 was 40% amplitude. The reflector was only present on one side of the weld which indicates geometry.
B09.011.028A	2-PIB1-4	50	05/17/2001	CLR	---	N	N	
B09.021.022	2-51A-30-11	51A	05/08/2001	CLR	---	N	N	
B09.021.024	2HP-217-4	51A	05/17/2001	CLR	---	N	N	
B09.021.030	2HP-216-4	51A	05/19/2001	CLR	---	N	N	
B09.021.035	2-51A-35-40	51A	05/17/2001	CLR	---	N	N	
B09.021.039	2RC-204-18	51A	05/04/2001	CLR	---	N	N	
B09.021.041	2RC-202-1	51A	05/02/2001	CLR	---	N	N	
B09.021.042	2RC-205-1	51A	05/02/2001	CLR	---	N	N	
B09.021.043	2RC-205-3	51A	05/02/2001	CLR	---	N	N	
B09.021.050	2-50-7-34	50	05/07/2001	CLR	---	N	N	

ITEM NUMBER	ID NUMBER	SYSTEM	INSP DATE	INSP STATUS	INSP LIMITED	GEO REF	RFR	COMMENTS
B09.021.052	2-PSP-24	50	05/09/2001	CLR	---	N	N	
B09.032.004	2-PDB1-10	50	05/02/2001	CLR	---	N	N	
B09.032.006	2-PDB2-10	50	05/02/2001	CLR	---	N	N	
B09.040.005	2-50-129-7	50	05/09/2001	CLR	---	N	N	
B09.040.008	2-50-7-102	50	05/07/2001	CLR	---	N	N	
B13.010.001	2-RPV-INT-SURFACE	50	05/14/2001	CLR	---	N	N	
C01.010.001	2-SGA-WG8-1		05/07/2001	CLR	50.89%	N	Y	Request for Relief # 01-011
C01.030.001	2-SGA-WG60		05/16/2001	REP	42.15%	N	Y	Indication # 1-60° is a subsurface indication with an a/t ratio of 3.8%. The code allows 2.2%. This indication is reportable per acceptance standard IWB-3510-1. A Fracture Mechanics Assessment was performed and the weld is acceptable for continued service. PIP # O-01-01857 was written to document problem. Request for Relief # 01-011
C01.030.004	2-SGA-WG59		05/18/2001	CLR	92.41%	N	N	This item was inspected as an additional sample per IWC-2430(a). Item C01.030.001 had a reportable indication identified and an additional sample is required when a reportable indication is found during ISI Inspection.
C03.020.002	2-01A-H11B	01A	05/08/2001	CLR	---	N	N	
C03.020.003	2-01A-H12	01A	05/16/2001	CLR	---	N	N	
C03.020.004	2-01A-H13	01A	05/16/2001	CLR	---	N	N	
C03.020.007	2-01A-H1B	01A	05/08/2001	CLR	---	N	N	
C03.020.016	2-01A-R7	01A	05/16/2001	CLR	---	N	N	
C03.020.037	2-51A-H13C	51A	05/14/2001	CLR	---	N	N	
C03.020.038	2-51A-H173	51A	01/29/2001	CLR	---	N	N	
C03.020.054	2-54A-H5	54A	02/06/2001	CLR	---	N	N	
C05.011.009	2LP-150-39	53A	01/29/2001	CLR	---	N	N	
C05.011.009A	2LP-150-39	53A	01/29/2001	CLR	---	N	N	
C05.011.010	2LP-150-40	53A	01/29/2001	CLR	---	N	N	
C05.011.010A	2LP-150-40	53A	01/29/2001	CLR	---	N	N	
C05.011.013	2LP-148-89	53A	02/01/2001	REC	---	Y	N	Indications # 1 and # 2 were determined to be geometric reflectors due to the I.D. weld root geometry. These signals would not hold up to a skew. The 70° shear wave produced less than 50% amplitude than that of the 60° shear wave signals. The past radiographs support this determination.
C05.011.013A	2LP-148-89	53A	02/01/2001	CLR	---	N	N	
C05.011.015	2LP-148-92	53A	02/01/2001	REC	---	Y	N	Indications # 1 was determined to be a geometric reflector due to

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								the I.D. weld root geometry. The signals would not hold up to a skew. The 70° shear wave produced less than 50% amplitude than that of the 60° shear wave signal. The past radiographs support this determination.
C05.011.015A	2LP-148-92	53A	02/01/2001	CLR	---	N	N	
C05.021.011	2-51A-131-13	51A	01/29/2001	CLR	---	N	N	
C05.021.011A	2-51A-131-13	51A	01/29/2001	CLR	---	N	N	
C05.021.012	2-51A-131-6C	51A	01/29/2001	CLR	---	N	N	
C05.021.012A	2-51A-131-6C	51A	01/29/2001	CLR	---	N	N	
C05.021.042	2-51A-28-106AA	51A	01/30/2001	CLR	---	N	N	
C05.021.042A	2-51A-28-106AA	51A	01/30/2001	CLR	---	N	N	
C05.021.043	2-51A-28-106C	51A	01/30/2001	CLR	---	N	N	
C05.021.043A	2-51A-28-106C	51A	01/30/2001	CLR	---	N	N	
C05.021.044	2HP-341-V1	51A	01/30/2001	CLR	61.34%	N	Y	Request for Relief # 01-011
C05.021.044A	2HP-341-V1	51A	01/30/2001	CLR	---	N	N	
C05.021.045	2-51A-28-65	51A	01/30/2001	CLR	---	N	N	
C05.021.045A	2-51A-28-65	51A	01/30/2001	CLR	---	N	N	
C05.021.060	2-51A-17-95	51A	02/07/2001	CLR	---	N	N	
C05.021.060A	2-51A-17-95	51A	02/07/2001	CLR	---	N	N	
C05.021.061	2-51A-17-96	51A	02/07/2001	CLR	---	N	N	
C05.021.061A	2-51A-17-96	51A	02/07/2001	CLR	---	N	N	
C05.021.062	2-51A-17-97	51A	02/07/2001	CLR	---	N	N	
C05.021.062A	2-51A-17-97	51A	02/07/2001	CLR	---	N	N	
C05.021.063	2-51A-17-98	51A	02/07/2001	CLR	---	N	N	
C05.021.063A	2-51A-17-98	51A	02/07/2001	CLR	---	N	N	
C05.021.064	2-51A-17-98B	51A	05/10/2001	REC	---	Y	N	Indication # 1-60° was determined to be a geometric reflector from weld root geometry. This was verified using a 70° wedge on the 60° shear calibration, a WSY-70 BI-Modal transducer and review of the RT film.
C05.021.064A	2-51A-17-98B	51A	05/10/2001	CLR	---	N	N	
C05.021.065	2-51A-17-98D	51A	05/10/2001	REC	---	Y	N	Indication # 1-60° was determined to be a geometric reflector from weld root geometry. This was verified using a 70° wedge on the 60° shear calibration, a WSY-70 BI-Modal transducer and review of the RT film.
C05.021.065A	2-51A-17-98D	51A	05/10/2001	CLR	---	N	N	
C05.021.086	2-51A-27-18	51A	02/13/2001	CLR	---	N	N	
C05.021.086A	2-51A-27-18	51A	02/13/2001	CLR	---	N	N	

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C05.021.092	2HP-220-6	51A	02/06/2001	CLR	---	N	N	
C05.021.092A	2HP-220-6	51A	02/06/2001	CLR	---	N	N	
C05.021.098	2-51A-33-18	51A	05/18/2001	CLR	---	N	N	
C05.021.098A	2-51A-33-18	51A	05/14/2001	CLR	---	N	N	
C05.021.104	2-51A-33-5	51A	05/18/2001	CLR	---	N	N	
C05.021.104A	2-51A-33-5	51A	05/15/2001	CLR	---	N	N	
C05.021.110	2HP-221-1	51A	02/06/2001	CLR	---	N	N	
C05.021.110A	2HP-221-1	51A	01/31/2001	CLR	---	N	N	
C05.021.111	2HP-221-11	51A	02/06/2001	CLR	---	N	N	
C05.021.111A	2HP-221-11	51A	01/31/2001	CLR	---	N	N	
C05.021.112	2HP-221-13	51A	02/01/2001	CLR	---	N	N	
C05.021.112A	2HP-221-13	51A	01/30/2001	CLR	---	N	N	
C05.021.113	2HP-221-14	51A	02/01/2001	CLR	---	N	N	
C05.021.113A	2HP-221-14	51A	01/30/2001	CLR	---	N	N	
C05.021.114	2HP-221-17A	51A	02/01/2001	CLR	---	N	N	
C05.021.114A	2HP-221-17A	51A	01/30/2001	CLR	---	N	N	
C05.030.005	2-51B-28-10	51B	02/05/2001	CLR	---	N	N	
C05.051.005	2-01A-5-27	01A	05/15/2001	REC	---	Y	N	Indication # 1 is a 360° reflector due to an I.D. backing ring condition. Verified with RT film and a 70° confirmation scan. Indication # 2 is a 360° reflector due to an I.D. backing ring condition. Verified with RT film and a 70° confirmation scan.
C05.051.005A	2-01A-5-27	01A	05/15/2001	CLR	---	N	N	
C05.051.006	2MS-103-9	01A	05/15/2001	CLR	---	N	N	
C05.051.006A	2MS-103-9	01A	05/15/2001	CLR	---	N	N	
C05.051.014	2FDW-210-21	03A	05/08/2001	CLR	---	N	N	
C05.051.014A	2FDW-210-21	03A	05/08/2001	CLR	---	N	N	
C05.051.018	2-03A-67-7	03A	02/05/2001	REC	---	Y	N	Indication #1 and # 4 were determined to be geometric reflectors due to the I.D. weld backing ring. Indications # 2 and # 3 were geometric reflectors due to the I.D. counterbore geometry. Not any of these signals would hold up to skew. The 70° shear wave produced less than 50% amplitude than that of the 60° shear wave signals. Review of the past radiographs supports this determination.
C05.051.018A	2-03A-67-7	03A	01/31/2001	CLR	---	N	N	
C05.051.022	2FDW-226-37	03	05/14/2001	REC	---	Y	N	Indications #1 and # 2 were determined to be geometric reflectors due to a backing ring. This was confirmed by the amplitude of the 60° (80% FSH) verses the 70° (20% FSH),

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								WSY-70 had a low amplitude, plotting of the indications and review of the RT film.
C05.051.022A	2FDW-226-37	03	05/14/2001	CLR	---	N	N	
C05.051.035	2LPS-606-2	14B	02/05/2001	REC	---	Y	N	Indications # 1, # 2 and # 3 were determined to be geometric reflectors due to the I.D. weld backing ring. These signals would not hold up to skew. The 70° shear wave produced less than 50% amplitude than that of the 60° shear wave signals. The past radiographs supports this determination.
C05.051.035A	2LPS-606-2	14B	01/31/2001	CLR	---	N	N	
C05.051.036	2LPS-606-3	14B	02/05/2001	REC	---	Y	N	Indication # 1 was determined to be a geometric reflector due to the I.D. weld root. The signal would not hold up to skew. The 70° shear wave produced less than 50% amplitude than that of the 60° shear wave signal. The past radiographs supports this determination.
C05.051.036A	2LPS-606-3	14B	01/31/2001	CLR	---	N	N	
C05.051.038	2LPS-606-82	14B	02/05/2001	CLR	---	N	N	
C05.051.038A	2LPS-606-82	14B	01/31/2001	CLR	---	N	N	
D02.020.007	2-01A-R25	01A	03/06/2001	REC	---	N	N	Discrepancies that were found were reviewed by civil engineering and the support was found to be acceptable for service.
D02.020.010	2-03-H51	03	05/15/2001	REC	---	N	N	Discrepancies that were found were reviewed by civil engineering and the support was found to be acceptable for service. Work Order # 98390957 was written to evaluate problems. PIP # O-01-02313 was written to adress incorrect pipe movements on the hanger drawings.
D02.020.012	2-03-R8	03	01/16/2001	REC	---	N	N	Discrepancies that were found were reviewed by civil engineering and the support was found to be acceptable for service.
D02.020.029	2-03A-H15	03A	05/15/2001	REC	---	N	N	Discrepancies that were found were reviewed by civil engineering and the support was found to be acceptable for service.
D02.020.030	2-03A-H15A	03A	05/15/2001	REC	---	N	N	Discrepancies that were found were reviewed by civil engineering and the support was found to be acceptable for service.
D02.020.046	2-03A-H8	03A	02/07/2001	CLR	---	N	N	
D02.020.063	2-03A-SR15	03A	03/06/2001	CLR	---	N	N	
D02.020.076	2-03A-SR28	03A	03/06/2001	REC	---	N	N	Discrepancies that were found were reviewed by civil engineering and the support was found to be acceptable for service.
D02.020.077	2-03A-SR29	03A	03/06/2001	REC	---	N	N	Discrepancies that were found were reviewed by civil engineering and the support was found to be acceptable for service. Work Order # 98387771 was written to correct problems.

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D02.020.100	2-03A-SR8	03A	02/07/2001	REC	---	N	N	Discrepancies that were found were reviewed by civil engineering and the support was found to be acceptable for service.
D02.020.123	2-14B-H30	14B	02/07/2001	REC	---	N	N	Discrepancies that were found were reviewed by civil engineering and the support was found to be acceptable for service. Work Order # 98386719 was written to correct problems.
D02.020.124	2-14B-H32	14B	02/07/2001	REC	---	N	N	Discrepancies that were found were reviewed by civil engineering and the support was found to be acceptable for service. Work Order # 98386746 was written to correct problems.
D02.020.125	2-14B-H33	14B	02/07/2001	REC	---	N	N	Discrepancies that were found were reviewed by civil engineering and the support was found to be acceptable for service.
D02.020.126	2-14B-H34	14B	02/07/2001	REC	---	N	N	Discrepancies that were found were reviewed by civil engineering and the support was found to be acceptable for service. Work Order # 98182209 was written to correct problems.
D02.020.127	2-14B-JEJ-1702	14B	05/16/2001	REC	---	N	N	Discrepancies that were found were reviewed by civil engineering and the support was found to be acceptable for service.
D02.020.129	2-14B-JTC0904	14B	03/13/2001	REC	---	N	N	Discrepancies that were found were reviewed by civil engineering and the support was found to be acceptable for service.
D02.020.131	2-14B-RJP-3102	14B	02/07/2001	REC	---	N	N	Discrepancies that were found were reviewed by civil engineering and the support was found to be acceptable for service. Work Order # 98386760 was written to correct problems.
D02.020.132	2-14B-RJP-3106	14B	02/07/2001	REC	---	N	N	Discrepancies that were found were reviewed by civil engineering and the support was found to be acceptable for service. Work Order # 98386755 was written to correct problems.
D02.020.133	2-14B-SR1	14B	03/06/2001	CLR	---	N	N	
D02.020.134	2-14B-SR36	14B	03/14/2001	REC	---	N	N	Discrepancies that were found were reviewed by civil engineering and the support was found to be acceptable for service.
D02.020.135	2-14B-SR38	14B	03/20/2001	REP	---	N	N	Discrepancies that were found were reviewed by civil engineering and the support was found to be unacceptable for service. The discrepancies found were not service induced. Work Order # 98384067 was written to correct problems. PIP # 01-1475 was written to document the problem. Since the discrepancies found were not service induced, additional inspections per Code Case N-491, subparagraph 2430 are not required.
D02.020.137	2-14B-SR41	14B	03/20/2001	REC	---	N	N	Discrepancies that were found were reviewed by civil engineering and the support was found to be acceptable for service.
D02.020.138	2-14B-SR52	14B	03/20/2001	REC	---	N	N	Discrepancies that were found were reviewed by civil engineering and the support was found to be acceptable for service. Work Order # 98394566 was written to correct problems.

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D02.020.150	2-57-H4	57	04/27/2001	CLR	---	N	N	
D02.030.001	2-01A-R27	01A	03/06/2001	REC	---	N	N	Discrepancies that were found were reviewed by civil engineering and the support was found to be acceptable for service.
D02.030.003	2-03-R7	03	05/11/2001	CLR	---	N	N	
D02.040.001	2-01A-H4	01A	03/06/2001	REC	---	N	N	Discrepancies that were found were reviewed by civil engineering and the support was found to be acceptable for service. Work Order # 98394451 was written to correct problems.
F01.010.006	2-53A-H26C	53A	04/30/2001	REC	---	N	N	Discrepancies that were found were reviewed by civil engineering and the support was found to be acceptable for service.
F01.011.001	2-51A-H10A	51A	04/30/2001	CLR	---	N	N	
F01.012.007	2-53A-H1A	53A	04/30/2001	REC	---	N	N	Discrepancies that were found were reviewed by civil engineering and the support was found to be acceptable for service.
F01.012.011	2-50-RCPM-2B1-SS3	50	04/28/2001	CLR	---	N	N	
F01.020.015	2-51A-H166	51A	02/12/2001	REC	---	N	N	Discrepancies that were found were reviewed by civil engineering and the support was found to be acceptable for service.
F01.020.021	2-51A-SR59	51A	02/12/2001	REC	---	N	N	Discrepancies that were found were reviewed by civil engineering and the support was found to be acceptable for service. Work Order # 98386602 was written to correct problems.
F01.020.026	2-53B-H1	53B	02/12/2001	CLR	---	N	N	
F01.020.034	2-53B-R69	53B	03/12/2001	CLR	---	N	N	
F01.020.038	2-54A-H5	54A	02/12/2001	REC	---	N	N	Discrepancies that were found were reviewed by civil engineering and the support was found to be acceptable for service.
F01.020.039	2-54A-R10	54A	03/05/2001	REC	---	N	N	Discrepancies that were found were reviewed by civil engineering and the support was found to be acceptable for service.
F01.020.047	2-51A-DE048	51B	03/20/2001	CLR	---	N	N	
F01.021.017	2-51A-SP115	51A	03/12/2001	REC	---	N	N	Discrepancies that were found were reviewed by civil engineering and the support was found to be acceptable for service. Work Order # 98386970 was written to correct problems.
F01.021.021	2-53B-DE015	53B	02/12/2001	REC	---	N	N	Discrepancies that were found were reviewed by civil engineering and the support was found to be acceptable for service.
F01.021.024	2-53B-R5	53B	03/12/2001	REC	---	N	N	Discrepancies that were found were reviewed by civil engineering and the support was found to be acceptable for service. Work Order # 98386770 was written to correct problems.
F01.021.028	2-56-DE002	56	03/12/2001	REC	---	N	N	Discrepancies that were found were reviewed by civil engineering and the support was found to be acceptable for service.
F01.021.032	2-51B-DE013	51B	05/03/2001	REC	---	N	N	Discrepancies that were found were reviewed by civil engineering and the support was found to be acceptable for service.

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F01.022.002	2-01A-H11B	01A	04/30/2001	REC	---	N	N	Discrepancies that were found were reviewed by civil engineering and the support was found to be acceptable for service. Work Order # 98386779 was written to correct problems. PIP # O-01-1716 was written to document problem with gap and lugs.
F01.022.010	2-51A-DKB-1411	51A	02/12/2001	REC	---	N	N	Discrepancies that were found were reviewed by civil engineering and the support was found to be acceptable for service.
F01.022.017	2-53B-H56	53B	02/07/2001	CLR	---	N	N	
F01.022.019	2-54A-H25	54A	02/12/2001	REC	---	N	N	Discrepancies that were found were reviewed by civil engineering and the support was found to be acceptable for service. Work Order # 98386780 was written to correct problems.
F01.030.004	2-03-H54	03	02/07/2001	REC	---	N	N	Discrepancies that were found were reviewed by civil engineering and the support was found to be acceptable for service.
F01.030.008	2-03A-GC-0802	03A	01/16/2001	REC	---	N	N	Discrepancies that were found were reviewed by civil engineering and the support was found to be acceptable for service.
F01.030.010	2-03A-GC-1214	03A	05/04/2001	REC	---	N	N	Discrepancies that were found were reviewed by civil engineering and the support was found to be acceptable for service.
F01.030.021	2-03A-SR8	03A	01/15/2001	CLR	---	N	N	
F01.030.033	2-14B-JEJ-1705	14B	03/13/2001	REC	---	N	N	Discrepancies that were found were reviewed by civil engineering and the support was found to be acceptable for service.
F01.031.011	2-03A-SR28	03A	01/16/2001	REC	---	N	N	Discrepancies that were found were reviewed by civil engineering and the support was found to be acceptable for service. Work Order # 98387904 was written to correct problems.
F01.031.013	2-03A-SR4	03A	01/15/2001	CLR	---	N	N	
F01.031.021	2-57-H4	57	04/27/2001	CLR	---	N	N	
F01.031.023	2-14B-H13	14B	02/07/2001	REC	---	N	N	Discrepancies that were found were reviewed by civil engineering and the support was found to be acceptable for service.
F01.032.002	2-03-R7	03	05/11/2001	REC	---	N	N	Discrepancies that were found were reviewed by civil engineering and the support was found to be acceptable for service.
F01.032.011	2-57-NWIZ	57	04/27/2001	CLR	---	N	N	
F01.040.007	2-BWS-TANK		03/20/2001	CLR	---	N	N	
F01.040.013	2-PEN-ROOM-FTR-A		03/12/2001	REC	---	N	N	Discrepancies that were found were reviewed by civil engineering and the support was found to be acceptable for service. Work Order # 98337015- 01 was written to correct problems. PIP # O-00-3186 was written to document some problems that were not service induced.
F01.040.015	2-MCD-C		03/06/2001	REC	---	N	N	Discrepancies that were found were reviewed by civil engineering and the support was found to be acceptable for service. Work

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								Order # 98401361 was written to correct problems.
F01.040.023	2-51A-H79		03/12/2001	CLR	---	N	N	
F01.050.001	2-03-R12	03	01/15/2001	CLR	---	N	N	
F01.050.002	2-03-R7	03	05/11/2001	CLR	---	N	N	
F01.050.003	2-03-H4087	03	01/15/2001	REC	---	N	N	The discrepancies found were reviewed by civil engineering and the support was found to be acceptable for service.
F01.050.004	2-01A-R14	01A	01/15/2001	REC	---	N	N	Discrepancies that were found were reviewed by civil engineering and the support was found to be acceptable for service.
F01.050.005	2-01A-R15	01A	01/15/2001	REC	---	N	N	The discrepancies found were reviewed by civil engineering and the support was found to be acceptable for service. Work Order 98386258 was writtten to correct problems.
F01.050.006	2-01A-R16	01A	01/15/2001	REC	---	N	N	The discrepancies found were reviewed by civil engineering and the support was found to be acceptable for service.
F01.050.007	2-01A-R2-1	01A	05/06/2001	REC	---	N	N	Discrepancies that were found were reviewed by civil engineering and the support was found to be acceptable for service. Work Order 98385277 was written to correct problems.
F01.050.008	2-01A-R2-2	01A	05/06/2001	REC	---	N	N	Discrepancies that were found were reviewed by civil engineering and the support was found to be acceptable for service. Work Order 98386538 was written to correct problems.
F01.050.009	2-01A-R9-2	01A	05/06/2001	REC	---	N	N	Per Paragraph 9.6 in Hanger Specification OS-0027.00-00-0002, Work Order 98386538-02 was writtten to lubricate rod end on hanger and this support is acceptable for service without engineering evaluation.
F01.050.010	2-01A-R9-3	01A	05/06/2001	CLR	---	N	N	
F01.050.011	2-01A-R9-4	01A	05/06/2001	REC	---	N	N	Discrepancies that were found were reviewed by civil engineering and the support was found to be acceptable for service. Work Order # 98387293 was written to correct problems.
F01.050.012	2-53-H3	53	05/01/2001	CLR	---	N	N	
F01.050.013	2-50-H12	50	05/01/2001	REC	---	N	N	Discrepancies that were found were reviewed by civil engineering and the support was found to be acceptable for service. Work Order 98386009 was written to correct problems.
F01.050.014	2-51A-H2A	51A	04/30/2001	REC	---	N	N	Discrepancies that were found were reviewed by civil engineering and the support was found to be acceptable for service. Work Order 98386009 was written to correct problems.
F01.050.015	2-03-H6B	03	04/30/2001	CLR	---	N	N	
F01.050.016	2-03-H7A	03	04/27/2001	CLR	---	N	N	
F01.050.017	2-03A-H1B	03A	04/30/2001	CLR	---	N	N	

ITEM NUMBER	ID NUMBER	SYSTEM	INSP DATE	INSP STATUS	INSP LIMITED	GEO REF	RFR	COMMENTS
F01.050.018	2-50-H10	50	04/27/2001	CLR	---	N	N	
F01.050.019	2-50-H11	50	04/27/2001	CLR	---	N	N	
F01.050.020	2-50-H8	50	04/27/2001	REC	---	N	N	The discrepancies found were reviewed by civil engineering and the support was found to be acceptable for service.
F01.050.021	2-50-H9	50	04/27/2001	CLR	---	N	N	
F01.050.022	2-01A-H2A	01A	04/27/2001	REC	---	N	N	Per Paragraph 9.6 in Hanger Specification OS-0027.00-00-0002, Work Order 98383978-01 was written to lubricate the bearing on hanger and the support is accepable for service without engineering evaluation.
F01.050.023	2-01A-H2B	01A	04/27/2001	CLR	---	N	N	
F01.050.024	2-01A-H8A	01A	04/27/2001	REC	---	N	N	The discrepancies found were reviewed by civil engineering and the support was found to be acceptable for service.
F01.050.025	2-01A-H8B	01A	04/27/2001	CLR	---	N	N	
F01.050.026	2-50-H1	50	04/27/2001	CLR	---	N	N	
F01.050.027	2-50-H3	50	04/27/2001	CLR	---	N	N	
F01.050.028	2-50-H7	50	04/27/2001	CLR	---	N	N	
F01.050.029	2-57-H15	57	04/27/2001	CLR	---	N	N	
F01.050.030	2-57-H16	57	04/27/2001	CLR	---	N	N	
F01.050.031	2-57-H17	57	04/27/2001	CLR	---	N	N	
F01.050.032	2-57-H20	57	04/27/2001	REC	---	N	N	The discrepancies found were reviewed by civil engineering and the support was found to be acceptable for service.
F01.050.033	2-57-H21	57	04/27/2001	REC	---	N	N	The discrepancies found were reviewed by civil engineering and the support was found to be acceptable for service.
F01.050.034	2-57-H23	57	04/27/2001	CLR	---	N	N	
F01.050.035	2-57-H25	57	04/27/2001	CLR	---	N	N	
F01.050.036	2-57-H7	57	04/27/2001	REC	---	N	N	Discrepancies that were found were reviewed by civil engineering and the support was found to be acceptable for service. Work Order 98386009 was written to correct problems.
F01.050.037	2-57-H9	57	04/27/2001	CLR	---	N	N	
F01.050.038	2-57-RJP-H0801	57	04/27/2001	CLR	---	N	N	
F01.050.039	2-50-H1A	50	04/27/2001	CLR	---	N	N	
F01.050.040	2-50-H2A	50	05/05/2001	CLR	---	N	N	
F01.050.041	2-50-H3A	50	04/27/2001	CLR	---	N	N	
F01.050.042	2-03A-SR102	03A	01/15/2001	REC	---	N	N	Discrepancies that were found were reviewed by civil engineering and the support was found to be acceptable for service.
F01.050.043	2-03A-SR103	03A	01/15/2001	CLR	---	N	N	
F01.050.044	2-03A-SR104	03A	01/15/2001	CLR	---	N	N	

ITEM NUMBER	ID NUMBER	SYSTEM	INSP DATE	INSP STATUS	INSP LIMITED	GEO REF	RFR	COMMENTS
F01.050.045	2-03A-SR100	03A	01/15/2001	REC	---	N	N	Discrepancies that were found were reviewed by civil engineering and the support was found to be acceptable for service. Work Order # 98394024 was written to correct problems.
F01.050.046	2-03A-SR101PO	03A	01/15/2001	REC	---	N	N	Discrepancies that were found were reviewed by civil engineering and the support was found to be acceptable for service. Work Order 98322897 was written to correct problems.
F01.050.047	2-51A-SR150	51A	03/12/2001	REC	---	N	N	Discrepancies that were found were reviewed by civil engineering and the support was found to be acceptable for service. Work Order # 98393315 was written to correct problems.
F01.050.049	2-01A-H43	01A	01/15/2001	REC	---	N	N	Per Paragraph 9.6 in Hanger Specification OS-0027.00-00-0002, Work Order 98358551-0 2 was written to lubricate bearings and the support is acceptable for Service without engineering evaluation.
F01.050.050	2-01A-H44	01A	01/16/2001	REC	---	N	N	Discrepancies that were found were reviewed by civil engineering and the support was found to be acceptable for service. Work Order 98322897 was written to correct problems.
F01.050.051	2-53B-SR100	53B	03/05/2001	CLR	---	N	N	
F01.050.052	2-53B-SR1000	53B	03/05/2001	REC	---	N	N	Discrepancies that were found were reviewed by civil engineering and the support was found to be acceptable for service. Work Order 98322897 was written to correct problems.
F01.050.053	2-01A-R7	01A	01/16/2001	REC	---	N	N	Discrepancies that were found were reviewed by civil engineering and the support was found to be acceptable for service. Work Order 98322897 was written to correct problems.
F01.050.054	2-54A-R16	54A	02/07/2001	REC	---	N	N	The discrepancies found were reviewed by civil engineering and the support was found to be acceptable for service.
F01.050.055	2-54A-R101	54A	03/05/2001	CLR	---	N	N	
F01.050.056	2-54A-R2B	54A	03/05/2001	CLR	---	N	N	
F01.050.057	2-01A-R17	01A	01/15/2001	REC	---	N	N	Discrepancies that were found were reviewed by civil engineering and the support was found to be acceptable for service. Work Order # 98393368 was written to correct problems.
F01.050.058	2-01A-R18	01A	01/15/2001	REC	---	N	N	Discrepancies that were found were reviewed by civil engineering and the support was found to be acceptable for service.
F01.050.061	2-01A-R6	01A	01/15/2001	REC	---	N	N	Discrepancies that were found were reviewed by civil engineering and the support was found to be acceptable for service.
F01.050.062	2-01A-R2	01A	01/15/2001	REC	---	N	N	Discrepancies that were found were reviewed by civil engineering and the support was found to be acceptable for service.
F01.050.063	2-53B-SR1000	53B	03/05/2001	REC	---	N	N	The discrepancies found were reviewed by civil engineering and the support was found to be acceptable for service.

ITEM NUMBER	ID NUMBER	SYSTEM	INSP DATE	INSP STATUS	INSP LIMITED	GEO REF	RFR	COMMENTS
F01.050.064	2-13-SR1	13	01/15/2001	REC	---	N	N	The discrepancies found were reviewed by civil engineering and the support was found to be acceptable for service.
F01.050.065	2-13-SR4	13	01/15/2001	CLR	---	N	N	
F01.050.066	2-07A-DE039	07A	01/15/2001	REC	---	N	N	The discrepancies found were reviewed by civil engineering and the support was found to be acceptable for service.
F01.050.067	2-03-R13	03	01/15/2001	CLR	---	N	N	
F01.050.068	2-03A-DE034	03A	01/15/2001	CLR	---	N	N	
F01.050.069	2-03A-H4088	03A	01/15/2001	REC	---	N	N	The discrepancies found were reviewed by civil engineering and the support was found to be acceptable for service. Work Order 98322873 was writtten to correct problems.
F01.050.072	2-01A-R6	01A	01/15/2001	CLR	---	N	N	
F01.050.073	2-01A-DE076	01A	01/15/2001	REC	---	N	N	Discrepancies that were found were reviewed by civil engineering and the support was found to be acceptable for service. Work Order 98258573 was written to correct problems.
F01.050.074	2-01A-DE077	01A	01/15/2001	CLR	---	N	N	
F01.050.075	2-51A-H184	51A	02/07/2001	CLR	---	N	N	
F01.050.076	2-51A-H167	51A	02/12/2001	CLR	---	N	N	
F01.050.079	2-01A-R7	01A	04/27/2001	CLR	---	N	N	
F01.050.080	2-01A-R9-1	01A	05/06/2001	REC	---	N	N	Per Paragraph 9.6 of Hanger Specification OS-0027.00-00-0002, Work Order 98386538-01 was written to lubricate rod end on hanger and the support is acceptable for service without engineering evaluation.
F01.050.081	2-03A-NPS-H28	03A	04/30/2001	REC	---	N	N	The discrepancies found were reviewed by civil engineering and the support was found to be acceptable for service.
F01.050.082	2-03-H6103	03	04/27/2001	CLR	---	N	N	
F01.050.083	2-03A-H3A	03A	04/30/2001	REC	---	N	N	The discrepancies found were reviewed by civil engineering and the support was found to be acceptable for service.
F01.050.084	2-57-NWIZ	57	04/27/2001	CLR	---	N	N	
F01.050.086	2-03A-H121	03A	01/15/2001	CLR	---	N	N	
F01.050.087	2-53B-DE063	53B	03/12/2001	CLR	---	N	N	
F01.050.088	2-53B-DE068	53B	02/12/2001	CLR	---	N	N	
F01.050.089	2-53B-DE060	53B	03/05/2001	CLR	---	N	N	
F01.050.090	2-53B-DE070	53B	03/12/2001	CLR	---	N	N	
F01.050.091	2-53B-DE056	53B	03/05/2001	REC	---	N	N	The discrepancies found were reviewed by civil engineering and the support was found to be acceptable for service.
F01.050.092	2-01A-R19	01A	01/15/2001	REC	---	N	N	The discrepancies found were reviewed by civil engineering and the support was found to be acceptable for service.

ITEM NUMBER	ID NUMBER	SYSTEM	INSP DATE	INSP STATUS	INSP LIMITED	GEO REF	RFR	COMMENTS
F01.050.093	2-01A-R27	01A	03/06/2001	REC	---	N	N	Discrepancies that were found were reviewed by civil engineering and the support was found to be acceptable for service.
F01.050.094	2-53B-DE057	53B	03/05/2001	REC	---	N	N	Per Paragraphs 9.6 and 9.8 in Hanger Specification OS-0027.00-00-0002, Work Order 98366136 was written to restake bearings and the support is acceptable for service without engineering evaluation.
F01.050.095	2-07A-H60	07A	01/15/2001	REC	---	N	N	Discrepancies that were found were reviewed by civil engineering and the support was found to be acceptable for service. Work Order # 98401675 was written to correct problems.
F01.050.096	2-07A-H61	07A	01/15/2001	REC	---	N	N	Discrepancies that were found were reviewed by civil engineering and the support was found to be acceptable for service. Work Order # 9801675 was written to correct problems.
F01.050.097	2-07A-H62	07A	01/15/2001	REC	---	N	N	The discrepancies found were reviewed by civil engineering and the support was found to be acceptable for service.
F01.050.098	2-50-RCPM-2A1-SS1	50	04/30/2001	CLR	---	N	N	
F01.050.099	2-50-RCPM-2A1-SS2	50	04/30/2001	CLR	---	N	N	
F01.050.100	2-50-RCPM-2A1-SS3	50	04/30/2001	CLR	---	N	N	
F01.050.101	2-50-RCPM-2A2-SS1	50	04/30/2001	CLR	---	N	N	
F01.050.102	2-50-RCPM-2A2-SS2	50	04/30/2001	CLR	---	N	N	
F01.050.103	2-50-RCPM-2A2-SS3	50	04/30/2001	CLR	---	N	N	
F01.050.104	2-50-RCPM-2B1-SS1	50	04/28/2001	CLR	---	N	N	
F01.050.105	2-50-RCPM-2B1-SS2	50	04/27/2001	CLR	---	N	N	
F01.050.106	2-50-RCPM-2B1-SS3	50	04/27/2001	CLR	---	N	N	
F01.050.107	2-50-RCPM-2B2-SS1	50	04/27/2001	CLR	---	N	N	
F01.050.108	2-50-RCPM-2B2-SS2	50	04/27/2001	CLR	---	N	N	
F01.050.109	2-50-RCPM-2B2-SS3	50	04/27/2001	CLR	---	N	N	
G01.001.001	2-RCP-2A1	50	05/02/2001	CLR	---	N	N	
G01.001.002	2-RCP-2A2	50	05/19/2001	CLR	---	N	N	
G01.001.003	2-RCP-2B1	50	05/19/2001	CLR	---	N	N	
G01.001.004	2-RCP-2B2	50	05/02/2001	CLR	---	N	N	
G02.001.005A	2-PDA1-46	50	05/04/2001	CLR	---	N	N	
G02.001.005B	2-PDA2-46	50	05/04/2001	CLR	---	N	N	
G02.001.005C	2-PDB1-46	50	05/03/2001	CLR	---	N	N	
G02.001.005D	2-PDB2-46	50	05/03/2001	CLR	---	N	N	
G02.001.006A	2-PDA1-11	50	05/02/2001	CLR	---	N	N	
G02.001.006B	2-PDA2-11	50	05/02/2001	CLR	---	N	N	
G02.001.006C	2-PDB1-11	50	05/02/2001	CLR	---	N	N	

ITEM NUMBER	ID NUMBER	SYSTEM	INSP DATE	INSP STATUS	INSP LIMITED	GEO REF	RFR	COMMENTS
G02.001.006D	2-PDB2-11	50	05/02/2001	CLR	---	N	N	
G02.001.007A	2-PDA1-47	50	05/02/2001	CLR	---	N	N	
G02.001.007B	2-PDA2-47	50	05/02/2001	CLR	---	N	N	
G02.001.007C	2-PDB1-47	50	05/02/2001	CLR	---	N	N	
G02.001.007D	2-PDB2-47	50	05/02/2001	CLR	---	N	N	
G02.001.008A	2RC-204-18	50	05/06/2001	REC	---	Y	N	Indication # 1-60° is a geometric reflector from the weld root. This was verified using a bi-modal transducer and review of the RT film. Indication # 2-45° and # 3-45° are geometric reflectors from areas of concavity on the weld root. This was verified by reviewing the RT film in the areas on the weld where the UT indications were plotted.
G02.001.008B	2RC-203-2	50	05/06/2001	REC	---	Y	N	Indications # 1, # 2, and # 3 are geometric from the weld root. The indications did not change from the data taken on 3-27-98.
G02.001.008C	2RC-202-1	50	05/02/2001	CLR	---	N	N	
G02.001.008D	2RC-205-1	50	05/02/2001	REC	---	Y	N	Indication # 1-60° is a geometric reflector from weld root configuration. This was verified using a 70° wedge on the 60° calibration and by use of a bi-modal WSY-70 transducer
G02.001.010A	2RC-204-20	50	05/06/2001	CLR	---	N	N	
G02.001.010B	2RC-203-3	50	05/06/2001	CLR	---	N	N	
G02.001.010C	2RC-202-3	50	05/02/2001	CLR	---	N	N	
G02.001.010D	2RC-205-3	50	05/02/2001	CLR	---	N	N	
G02.001.011A	2A1 THERM-SLEEVE	50	05/16/2001	CLR	---	N	N	
G02.001.011B	2A2 THERM-SLEEVE	50	05/04/2001	CLR	---	N	N	
G02.001.011C	2B1 THERM-SLEEVE	50	05/03/2001	CLR	---	N	N	
G02.001.011D	2B2 THERM-SLEEVE	50	05/03/2001	CLR	---	N	N	
G04.001.001	2RC-202-1	51A	05/02/2001	CLR	---	N	N	
G04.001.003	2RC-202-3	51A	05/02/2001	CLR	---	N	N	
G04.001.004	2RC-205-1	51A	05/02/2001	REC	---	Y	N	Indication # 1-60° is a geometric reflector from weld root configuration. This was verified using a 70° wedge on the 60° calibration and by use of a bi-modal WSY-70 transducer.
G04.001.006	2RC-205-3	51A	05/02/2001	CLR	---	N	N	
G04.001.013	2RC-202-4	51A	05/02/2001	CLR	---	N	N	RT was performed to achieve proper coverage and was found to be acceptable. R.W. Mack was the radiographer and conducted the test on 5-9-2001.
G04.001.014	2RC-203-4	51A	05/06/2001	CLR	---	N	N	RT was performed to achieve proper coverage and was found to be acceptable. R.A. Jones was the radiographer and conducted the test on 5-17-2001.

ITEM NUMBER	ID NUMBER	SYSTEM	INSP DATE	INSP STATUS	INSP LIMITED	GEO REF	RFR	COMMENTS
G04.001.015	2RC-204-4	51A	05/06/2001	CLR	---	N	N	RT was performed to achieve proper coverage and was found to be acceptable. J.K. Todd was the radiographer and conducted the test on 5-17-2001.
G04.001.016	2RC-205-4	51A	05/02/2001	CLR	---	N	N	RT was performed to achieve proper coverage and was found to be acceptable. J.K. Todd was the radiographer and conducted the test on 5-5-2001.
G04.001.027	2RC-203-2	50	05/06/2001	REC	---	Y	N	Indications #1, # 2 and # 3 are geometric from the weld root. The indications did not change from the data taken on 3-27-98.
G04.001.028	2RC-203-3	50	05/06/2001	CLR	---	N	N	
G04.001.029	2RC-204-18	50	05/06/2001	REC	---	Y	N	Indication # 1-60° is a geometric reflector from the weld root. This was verified using a bi-modal transducer and review of the RT film. Indication # 2-45° and # 3-45° are geometric reflectors from areas of concavity on the weld root. This was verified by reviewing the RT film in the areas on the weld where the UT indications were plotted.
G04.001.030	2RC-204-20	50	05/06/2001	CLR	---	N	N	
G09.001.013	2-53B-19-19	53B	02/12/2001	CLR	---	N	N	
G09.001.018	2LP-167-2	53B	01/29/2001	CLR	---	N	N	
G09.001.023	2-53B-28-30	53B	02/12/2001	CLR	---	N	N	
G09.001.035	2BS-29-22C	54A	02/12/2001	CLR	---	N	N	
G09.001.036	2BS-29-28	54A	02/07/2001	CLR	---	N	N	
G09.001.040	1-56-6-313B	56	02/13/2001	CLR	---	N	N	
G09.001.041	2-56-25-4	56	02/12/2001	CLR	---	N	N	
G12.001.003	2-51B-18-88	51B	05/10/2001	CLR	---	N	N	
G12.001.010	2-51B-22-48	51B	05/10/2001	CLR	---	N	N	

5.2 Limited examinations (i.e., less than or equal to 90% of the required examination coverage obtained) identified during EOC18 (Outage 4) are shown below. In addition stainless steel welds not meeting coverage requirements for single sided examinations conducted in accordance with Appendix VIII and 50.55a (b)(2)(xv)(A) are shown below. A Request for Relief will be submitted to the NRC for approval. See Section 9.0 of this report for additional information.

Item Number	***Request for Relief Serial Number***
B03.130.005	01-011
B03.140.005	01-011
C01.010.001	01-011
C01.030.001	01-011
C05.021.044	01-011

6.0 Reportable Indications

EOC18 (Outage 4) had two reportable items.

PIP O-01-01857 was written to document a reportable indication found during UT examination of Weld 2-SGA-WG60 (Item Number C01.030.001). A Fracture Mechanics Assessment was performed by Framatome ANP and the weld was determined to be acceptable for service. See Section 8 of this report for additional corrective action. A copy of PIP O-01-01857 is located in Section 9 of this report.

PIP O-01-01475 was written to document a reportable indication found during VT-3 examination of hanger 2-14B-SR38 (Item Number D02.020.135). See Section 8 of this report for additional corrective action. A copy of PIP O-01-01475 is located in Section 9 of this report.

7.0 Personnel, Equipment and Material Certifications

All personnel who performed or evaluated the results of inservice inspections from December 16, 1999 to May 30, 2001 at Oconee Nuclear Station, Unit 2, were certified in accordance with the requirements of 1989 Edition of ASME Section XI with no addenda including Appendix VII for ultrasonic inspections. In addition, ultrasonic examiners were qualified in accordance with ASME Section XI, Appendix VIII, and 1995 Edition with the 1996 Addenda through the Performance Demonstration Initiative (PDI) for similar metal piping welds. The appropriate certification records for each inspector are on file at Oconee Nuclear Station or copies can be obtained by contacting the Duke Energy's Corporate Office in Charlotte, North Carolina.

Records of periodic calibration of inspection equipment are on file at Oconee Nuclear Station or copies can be obtained by contacting the Duke Energy's Corporate Office in Charlotte, North Carolina.

Records of materials used, (i.e., NDE consumables) are on file at Oconee Nuclear Station or copies can be obtained by contacting the Duke Energy's Corporate Office in Charlotte, North Carolina.

8.0 Corrective Action

PIP O-01-01857 was written to document a reportable indication found during UT examination of Weld 2-SGA-WG60 (Item Number C01.030.001). A Fracture Mechanics Assessment was performed by Framatome ANP and the weld was determined to be acceptable for service. Item Number C01.030.004 was examined during EOC18 as an additional sample per Paragraph IWC-2430(a). Item Number C01.030.001 is scheduled to be examined again during EOC19 as a surveillance inspection per Paragraph IWC-2420(b). A copy of PIP O-01-01857 and a copy of the Fracture Mechanics Assessment Report are located in Section 9 of this report.

PIP O-01-01475 was written to document a reportable indication found during VT-3 examination of hanger 2-14B-SR38 (Item Number D02.020.135). The discrepancies found were reviewed by civil engineering and were determined not to be service induced. Since the degradations were not service induced, additional samples per Code Case N-491, subparagraph –2430 are not required. Work Order # 98384067 was written to correct problems. A copy of PIP O-01-01475 is located in Section 9 of this report.

PIP O-01-02313 was written address incorrect pipe movements listed on the hanger drawing for hanger 2-03-H51 (Item Number D02.020.010). Work Order # 98390957 was written to evaluate problems in the field. A copy of PIP O-01-02313 is located in Section 9 of this report.

PIP O-01-01716 was written to address problems found during VT-3 inspection of hanger 2-01A-H11B (Item Number F01.022.002). The discrepancies found were reviewed by civil engineering and were determined not to be service induced. Work Order # 98386779 was written to correct problems. A copy of PIP O-01-01716 is located in Section 9 of this report.

PIP O-00-03186 was written to address problems found during VT-3 inspection of hanger 2-PEN-ROOM-FTR-A (Item Number F01.040.013). The discrepancies found were reviewed by civil engineering and were determined not to be service induced. Work Order # 98337015-01 was written to correct problems. A copy of PIP O-00-03186 is located in Section 9 of this report.