

INSERVICE INSPECTION PLAN

Duke Power Company Oconee Nuclear Station Unit 2 Sixteenth Refueling Outage



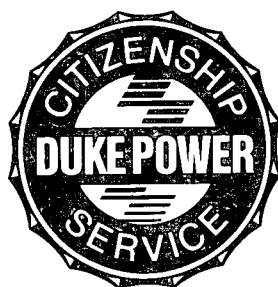
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8/19/98

INSERVICE INSPECTION REPORT

Duke Power Company Oconee Nuclear Station Unit Fourteenth Refueling Outage



INSERVICE INSPECTION REPORT
UNIT 2 OCONEE 1998 REFUELING
OUTAGE 16

Location: Hwy. 130/183, Seneca, South Carolina 29679

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: Rarry Co Keith Date 7-27-98

Reviewed By: R C Roune / R. Rhyne Date 7/27/98

Approved By: Jo Barlow Date 7/27/98

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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, Highway 130/183, Seneca, SC 29679
(Name and Address of Plant)

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

5. Commercial Service Date: 9/9/74 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			_____
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____
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_____	_____	_____	_____	_____

Note: Supplemental sheets in form of lists, sketches, or drawings may be used provided (1) size is 8 1/2 in. x 11 in., (2) information in items 1 through 6 on this data report is included on each sheet, and (3) each sheet is numbered and the number of sheets is recorded at the top of this form.

FORM NIS-1 (Back)

- 8. Examination Dates May 8, 1996 to May 24, 1998
- 9. Inspection Period Identification: First 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: April 7, 1998 / Revision 4
- 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 and 4.0
- 14. Abstract of Results of Examination and Tests. See Section 5.0
- 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 7/27 19 98 Signed Duke Energy Corp. By [Signature]
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 of Province of N. C. employed by *The HSBI&I Co. of Hartford, CN have inspected the components described in this Owners' Report during the period 5-8-96 to 5-24-98, and state that to the best of my knowledge and belief, the Owner has performed examinations and tests and taken corrective measures described in the Owners' Report in accordance with the Inspection Plan and as required by the ASME Code, Section XI.

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

[Signature] Commissions NC 914
Inspector's Signature National Board, State, Province, and Endorsements

Date 8-10- 19 98

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

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Hartford Steam Boiler Inspection and Insurance Company (ANII)
c/o M. B. Chapman
Oconee Nuclear Station

4

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

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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 1998 Refueling Outage (also referred to as Outage 16). Outage 16 is the last outage in the first 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 repairs and replacements required since May 8, 1996.

1.1 Identification Numbers

Item	Manufacturer or Installer	Manufacturer or Installer Serial No.	State or Province No.	National Board No.
Reactor Vessel	Babcock & Wilcox	620-0003-51-52	N/A	N-105
Steam Generator A	Babcock & Wilcox	620-0003-55-1	N/A	N-107
Steam Generator B	Babcock & Wilcox	620-0003-55-2	N/A	N-108
Pressurizer	Babcock & Wilcox	620-0003-59	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: M. B. Chapman

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 Outage 16 at Oconee Nuclear Station Unit 2.

2.1 *Class 1 Inspection*

Examination Category B-A Pressure Retaining Welds in Reactor Vessel

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

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

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

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

<i>Item Number</i>	<i>Description</i>	<i>Total Examined During Outage</i>
	Reactor Vessel	
B03.090	Nozzle-to-Vessel Welds	0
B03.100	Nozzle Inside Radius Section	0
	Pressurizer	
B03.110	Nozzle-to-Vessel Welds	4
B03.120	Nozzle Inside Radius Section	4
	Steam Generators (Primary Side)	
B03.130	Nozzle-to-Vessel Welds	0
B03.140	Nozzle Inside Radius Section	0
	Heat Exchangers (Primary Side)	
B03.150	Nozzle-to-Vessel Welds	0
B03.160	Nozzle Inside Radius Section	Request for Relief ONS-009
TOTALS		8

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

<i>Item Number</i>	<i>Description</i>	<i>Total Examined During Outage</i>
	<i>Reactor Vessel</i>	
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
	<i>Pressurizer</i>	
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	0
B05.060	Nozzle-to-Safe End Socket Welds	NA
	<i>Steam Generators</i>	
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)

<i>Item Number</i>	<i>Description</i>	<i>Total Examined During Outage</i>
	<i>Heat Exchangers</i>	
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
	<i>Piping</i>	
B05.130	Nominal Pipe Size 4" or Larger Dissimilar Metal Butt Welds	5
B05.140	Nominal Pipe Size Less Than 4" Dissimilar Metal Butt Welds	1
B05.150	Dissimilar Metal Socket Welds	NA
TOTALS		6

Examination Category B-G-1

Pressure Retaining Bolting, Greater Than 2" in Diameter

<i>Item Number</i>	<i>Description</i>	<i>Total Examined During Outage</i>
Reactor Vessel		
B06.010	Closure Head Nuts	10
B06.020	Closure Studs, (in place)	NA
B06.030	Closure Studs, (when removed)	10
B06.040	Threads in Flange	1
B06.050	Closure Washers, Bushings	1
Pressurizer		
B06.060	Bolts and Studs	0
B06.070	Flange Surface, (when connection disassembled)	0
B06.080	Nuts , Bushings and Washers	0
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)

<i>Item Number</i>	<i>Description</i>	<i>Total Examined During Outage</i>
	<i>Piping</i>	
B06.150	Bolts and Studs	NA
B06.160	Flange Surface, (when connection disassembled)	NA
B06.170	Nuts , Bushings and Washers	NA
	<i>Pumps</i>	
B06.180	Bolts and Studs	0
B06.190	Flange Surface, (when connection disassembled)	1
B06.200	Nuts , Bushings and Washers	0
	<i>Valves</i>	
B06.210	Bolts and Studs	NA
B06.220	Flange Surface, (when connection disassembled)	NA
B06.230	Nuts , Bushings and Washers	NA
TOTALS		23

<i>Item Number</i>	<i>Description</i>	<i>Total Examined During Outage</i>
	<i>Reactor Vessel</i>	
B07.010	Bolts, Studs, and Nuts	NA
	<i>Pressurizer</i>	
B07.020	Bolts, Studs, and Nuts	0
	<i>Steam Generators</i>	
B07.030	Bolts, Studs, and Nuts	0
	<i>Heat Exchangers</i>	
B07.040	Bolts, Studs, and Nuts	NA
	<i>Piping</i>	
B07.050	Bolts, Studs, and Nuts	0
	<i>Pumps</i>	
B07.060	Bolts, Studs, and Nuts	NA
	<i>Valves</i>	
B07.070	Bolts, Studs, and Nuts	2
	<i>CRD Housings</i>	
B07.080	Bolts, Studs, and Nuts In CRD Housing When Disassembled	2
TOTALS		4

Examination Category B-H Integral Attachments for Vessels

<i>Item Number</i>	<i>Description</i>	<i>Total Examined During Outage</i>
	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

<i>Item Number</i>	<i>Description</i>	<i>Total Examined During Outage</i>
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	6
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)

<i>Item Number</i>	<i>Description</i>	<i>Total Examined During Outage</i>
B09.030	Branch Pipe Connection Welds	
B09.031	Nominal Pipe Size 4" or Larger	1
B09.032	Less Than Nominal Pipe Size 4"	0
B09.040	Socket Welds	0
TOTALS		13

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

<i>Item Number</i>	<i>Description</i>	<i>Total Examined During Outage</i>
	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

<i>Item Number</i>	<i>Description</i>	<i>Total Examined During Outage</i>
	Pumps	
B12.010	Pump Casing Welds (B-L-1)	1
B12.020	Pump Casing (B-L-2) (when disassembled for Maintenance, Repair or Volumetric Examination)	1
	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)	2
TOTALS		4

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

<i>Item Number</i>	<i>Description</i>	<i>Total Examined During Outage</i>
	Reactor Vessel	
B13.010	Vessel Interior (B-N-1)	1
	Reactor Vessel (PWR)	
B13.050	Interior Attachments Within The Beltline Region (B-N-2)	NA
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

<i>Item Number</i>	<i>Description</i>	<i>Total Examined During Outage</i>
	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 Tubing²

<i>Item Number</i>	<i>Description</i>	<i>Total Examined During Outage</i>
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

<i>Item Number</i>	<i>Description</i>	<i>Total Examined During Outage</i>
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 Nuclear Services 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

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

Examination Category C-B Pressure Retaining Nozzle Welds in Vessels

<i>Item Number</i>	<i>Description</i>	<i>Total Examined During Outage</i>
C02.010	Nozzles in Vessels $\leq 1/2$ " 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)

<i>Item Number</i>	<i>Description</i>	<i>Total Examined During Outage</i>
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	2
TOTALS		2

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

<i>Item Number</i>	<i>Description</i>	<i>Total Examined During Outage</i>
	Pressure Vessels	
C03.010	Integrally Welded Attachments	0
	Piping	
C03.020	Integrally Welded Attachments	13
	Pumps	
C03.030	Integrally Welded Attachments	0
	Valves	
C03.040	Integrally Welded Attachments	NA
TOTALS		13

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

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

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

<i>Item Number</i>	<i>Description</i>	<i>Total Examined During Outage</i>
C05.010	Piping Welds $\geq 3/8$ " 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 \geq Nominal Pipe Size 2 and \leq Nominal Pipe Size 4	
C05.021	Circumferential Welds	13
C05.022	Longitudinal Welds ³	NA
C05.030	Socket Welds	1
C05.040	Pipe Branch Connections of Branch Piping \geq Nominal Pipe Size 2	
C05.041	Circumferential Weld	0
C05.042	Longitudinal Weld ³	NA
TOTALS		18

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

<i>Item Number</i>	<i>Description</i>	<i>Total Examined During Outage</i>
C05.050	Piping Welds $\geq \frac{3}{8}$ " Nominal Wall Thickness for Piping $>$ Nominal Pipe Size 4	
C05.051	Circumferential Weld	7
C05.052	Longitudinal Weld ³	NA
C05.060	Piping Welds $> \frac{1}{5}$ " Nominal Wall Thickness for Piping \geq Nominal Pipe Size 2 and \leq 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 \geq Nominal Pipe Size 2	
C05.081	Circumferential Weld	0
C05.082	Longitudinal Weld ³	NA
TOTALS		7

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

<i>Item Number</i>	<i>Description</i>	<i>Total Examined During Outage</i>
	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

<i>Item Number</i>	<i>Description</i>	<i>Total Examined During Outage</i>
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	1
F1.050	Class 2 Snubbers Reference Section 4.0 of this report	49
TOTALS		66

2.3 Augmented Inspections

<i>Item Number</i>	<i>Description</i>	<i>Total Examined During Outage</i>
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)	0
G05.001	Pressurizer Spray Piping Thermal Transient Inspection	NA
G06.001	Auxiliary Feedwater Header Water Hammer Examinations (PSC21-82)	0
G07.001	Augmented Examination of Longitudinal Piping Welds With A Nominal Wall Thickness $< \frac{3}{8}$ " 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 $< \frac{3}{8}$ "	6
G10.001	Class 1 RTE Mounting Bosses	3
G11.001	Reactor Coolant Pumps 3A2 and 3B1 Alternate Examinations	0
G12.001	HPI System Upgrade Piping Welds With A Nominal Wall Thickness $\leq \frac{1}{5}$ " on Piping with a Nominal Pipe Size ≥ 2 " and Nominal Pipe Size ≤ 4 ".	4

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

<i>Examination Category</i>	<i>Description</i>	<i>Inspections Required</i>	<i>Inspections Completed</i>	<i>Percentage Completed</i>	<i>⁴Deferral Allowed</i>
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	11 Welds	3 Welds	27%	No
B-D	Full Penetration Welds of Nozzles in Vessels Inspection Program B	30 Inspections	10 Inspections	33%	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	9 Welds	28%	No
B-G-1	Pressure Retaining Bolting Greater than 2 Inch Diameter	128 Items	39.5	31%	Yes
B-G-2	Pressure Retaining Bolting 2 Inches and Less in Diameter	22 Items	7 Items	32%	No
B-H	Integral Attachment for Vessels	N/A	N/A	N/A	N/A
B-J	Pressure Retaining Welds in Piping	120 Welds	36 Welds	30%	No

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

Class 1 Inspections (Continued)

<i>Examination Category</i>	<i>Description</i>	<i>Inspections Required</i>	<i>Inspections Completed</i>	<i>Percentage Completed</i>	<i>⁵ Deferral Allowed</i>
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 Welds	100%	Yes
B-L-2	Pump Casings	1 Casing	1 Casings	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	2 Valves	67%	Yes
B-N-1	Interior of Reactor Vessel	3 Inspections	1 Inspection	33%	No
B-N-2	Integrally Welded Core Support Structures and Interior Attachments to Reactor Vessels	N/A	N/A	N/A	N/A
B-N-3	Removable Core Support Structures	1 Item	0 Items	0%	Yes
B-O	Pressure Retaining Welds in Control Rod Housings	3 Housings	1 Housing	33%	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	8 Supports	27%	No
F-A F1.050 items	Class 1 Component Supports, Snubbers	26 Snubbers	26 Snubbers	100%	No

⁵ Deferral of inspection to the end of the interval as allowed by ASME Section XI Tables IWB and IWC 2500-1.

Class 2 Inspections

<i>Examination Category</i>	<i>Description</i>	<i>Inspections Required</i>	<i>Inspections Completed</i>	<i>Percentage Completed</i>	<i>⁵ Deferral Allowed</i>
C-A	Pressure Retaining Welds in Pressure Vessels	8 Welds	2 Welds	25%	No
C-B	Pressure Retaining Nozzle Welds in Vessels	7 Welds	2 Welds	29%	No
C-C	Integral Attachments for Vessels, Piping, Pumps and Valves	68 Attachments	22 Attachments	32%	No
C-D	Pressure Retaining Bolting Greater Than 2 Inches in Diameter	2 Item	0 Items	0%	No
C-F-1	Pressure Retaining Welds in Austenitic Stainless Steel or High Alloy Piping	142 Welds	42 Welds	30%	No
C-F-2	Pressure Retaining Welds in Carbon or Low Alloy Steel Piping	52 Welds	16 Welds	31%	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	36 Supports	32%	No
F-A F1.050 items	Class 2 Component Supports, Snubbers	49 Snubbers	49 Snubbers	100%	No

⁵ Deferral of inspection to the end of the interval as allowed by ASME Section XI Tables IWB and IWC 2500-1.

Augmented Inspections

<i>Description</i>	<i>Percentage Complete</i>
Reactor Coolant Pump Flywheels (Item No. Series G01)	100% of EOC 16 Requirements
High Pressure Injection and Make-Up Nozzle Safe-Ends (Item No. Series G02)	100% of EOC 16 Requirements
Pressurizer Surge Line Drain Line (Item No. Series G03)	Not Scheduled
Thermal Stress Piping (Item No. Series G04)	Not Scheduled
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 16 Requirements
Class 1 RTE Mounting Bosses (Item No. Series G10)	100% of EOC 16 Requirements
HPI System Upgrade (Item No. Series G12)	100% of EOC 16 Requirements

4.0 Final Inservice Inspection Plan For Outage 16

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 Outage 16 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-A, Pressure Retaining Welds
in Reactor Vessel**

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Shell-to-Flange Weld

Oconee 2

Inservice Inspection Plan for Interval 3 Outage 2

ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
B01.030.001A	2-RPV-WR19	ISI-OCN2-001	NDE-650	UT	CS	167.630	50304	Reactor Vessel Upper Shell Forging Pc. 86 to Flange
	Circumferential	OM-1201-454				12.000		Pc. 7. 0-360 Degrees from Flange Surface.(manual scan)
Class A				Shell Forging to Flange				
Total B01.030 Items:	1							
Total B01 Items:	1							

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

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Pressurizer

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Inservice Inspection Plan for Interval 3 Outage 2

ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
**** Nozzle-to-Vessel Welds ****								
B03.110.001	2-PZR-WP15	ISI-OCN2-002	NDE-620	UT	CS	15.250	40394	Pressurizer Surge Nozzle Pc. 08 to Lower Head Pc. 06.
	Circumferential	OM-1201-456	NDE-640			4.750		
Class A		B&W149768E						Nozzle to Lower Head
B03.110.006	2-PZR-WP26-4	ISI-OCN2-002	NDE-620	UT	CS	5.750	40387	Pressurizer Sensing Nozzle Pc. 30 to Shell Pc. 01 Between W & X Axis.
	Circumferential	OM-1201-456	NDE-640			6.187		
Class A		B&W149771E						Nozzle to Shell
B03.110.007	2-PZR-WP26-5	ISI-OCN2-002	NDE-620	UT	CS	5.750	40387	Pressurizer Sensing Nozzle Pc.30 to Shell Pc. 01 Between Z & Y Axis.
	Circumferential	OM-1201-456	NDE-640			6.187		
Class A		B&W149771E						Nozzle to Shell
B03.110.008	2-PZR-WP26-6	ISI-OCN2-002	NDE-620	UT	CS	5.750	40387	Pressurizer Sensing Nozzle Pc.30 to Shell Pc. 01 Between W & Z Axis.
	Circumferential	OM-1201-456	NDE-640			6.187		
Class A		B&W149771E						Nozzle to Shell

Total B03.110 Items: 4

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

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ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DI/THK	CAL BLOCKS	COMMENTS
**** Nozzle Inside Radius Section ****								
B03.120.001	2-PZR-WP15	ISI-OCN2-002 B&W149768E	NDE-680	UT	CS	13.250 4.750	40394	Pressurizer Surge Nozzle Pc. 08. (Inside Radius Section).
Class A				Nozzle to Lower Head				
B03.120.006	2-PZR-WP26-4	ISI-OCN2-002 B&W149771E	NDE-680	UT	CS	5.750 2.531	40387	Pressurizer Sensing Nozzle Pc. 30 Between W & X Axis (Inside Radius Section).
Class A				Nozzle to Shell				
B03.120.007	2-PZR-WP26-5	ISI-OCN2-002 B&W149771E	NDE-680	UT	CS	5.750 2.531	40387	Pressurizer Sensing Nozzle Pc. 30 Between Z & Y Axis (Inside Radius Section).
Class A				Nozzle to Shell				
B03.120.008	2-PZR-WP26-6	ISI-OCN2-002 B&W149771E	NDE-680	UT	CS	5.750 2.531	40387	Pressurizer Sensing Nozzle Pc. 30 Between W & Z Axis (Inside Radius Section).
Class A				Nozzle to Shell				
Total B03.120 Items:		4						
Total B03 Items:		8						

**CATEGORY B-F, Pressure Retaining
Dissimilar Metal Welds**

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ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DI/THK	CAL BLOCKS	COMMENTS
**** NPS 4 or Larger; Dissimilar Metal Butt Welds ****								
B05.130.001	2-53A-10-10A	2-53A-10 B&W146630E	NDE-610	UT	SS/Inconel	12.000 1.125	40413	Examine with 2-PHA-17. UT from the pipe side.
Class A	Circumferential							Pipe to Nozzle Decay Heat
	Dissimilar							
B05.130.001A	2-53A-10-10A	2-53A-10 B&W146630E	NDE-610	UT	CS-Inconel	12.000 1.125	40414	Examine with 2-PHA-17. UT from the nozzle side.
Class A	Circumferential							Pipe to Nozzle Decay Heat
	Dissimilar							
B05.130.001B	2-53A-10-10A	2-53A-10 B&W146630E	NDE-35	PT	SS/Inconel	12.000 1.125		
Class A	Circumferential							Pipe to Nozzle Decay Heat
	Dissimilar							
B05.130.004	2-PDB1-2	ISI-OCN2-013 OM-1201-966	NDE-610	UT	SS/CS	33.500 2.330	40350	UT from elbow side
Class A	Circumferential							Elbow Pc. 53 to Safe-End (Pc. 49)
	Dissimilar							
B05.130.004A	2-PDB1-2	ISI-OCN2-013 OM-1201-966	NDE-610	UT	SS/CS	33.500 2.330	40397	UT from safe-end side
Class A	Circumferential							Elbow Pc. 53 to Safe-End (Pc. 49)
	Dissimilar							
B05.130.004B	2-PDB1-2	ISI-OCN2-013 OM-1201-966	NDE-35	PT	SS-CS	33.500 2.330		
Class A	Circumferential							Elbow Pc. 53 to Safe-End (Pc. 49)
	Dissimilar							
B05.130.006	2-PHA-17	ISI-OCN2-005 B&W146630E	NDE-610	UT	CS/Inconel	12.750 1.125	40414	Examine with B05.130.001A from the nozzle side.
Class A	Circumferential							Buttering to Nozzle Decay Heat
	Dissimilar							
B05.130.006A	2-PHA-17	ISI-OCN2-005 B&W146630E	NDE-610	UT	SS-Inconel	12.750 1.125	40413	Examine with B05.130.001 from the pipe side.
Class A	Circumferential							Buttering to Nozzle Decay Heat
	Dissimilar							

CATEGORY B-F, Pressure Retaining
Dissimilar Metal Welds

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ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
B05.130.006B	2-PHA-17	ISI-OCN2-005	NDE-35	PT	CS/Inconel	12.750		Examine with B05.130.001B.
	Circumferential	B&W146630E				1.125		
Class A	Dissimilar				Buttering to Nozzle Decay Heat			
B05.130.007	2-PHB-17	ISI-OCN2-006	NDE-610	UT	CS-Inconel	10.750	40414	Examine with 2-PSL-10 from nozzle side.
	Circumferential	B&W146622E				1.000		
Class A	Dissimilar				Buttering to Nozzle Surge Nozzle			
B05.130.007A	2-PHB-17	ISI-OCN2-006	NDE-610	UT	SS/Inconel	10.750	40354	Examine with 2-PSL-10 from the pipe side.
	Circumferential	B&W146622E				1.000		
Class A	Dissimilar				Buttering to Nozzle Surge Nozzle			
B05.130.007B	2-PHB-17	ISI-OCN2-006	NDE-35	PT	CS-Inconel	10.750		Examine with 2-PSL-10.
	Circumferential	B&W146622E				1.000		
Class A	Dissimilar				Buttering to Nozzle Surge Nozzle			
B05.130.012	2-PSL-10	ISI-OCN2-015	NDE-610	UT	SS/CS	10.750	40414	UT from nozzle side
	Circumferential	B&W146622E				1.000		
Class A	Stress weld Dissimilar				Nozzle Pc. 25 to Pipe Pressurizer Surge Pc. 85			
B05.130.012A	2-PSL-10	ISI-OCN2-015	NDE-610	UT	SS/CS	10.750	40354	UT from the pipe side
	Circumferential	B&W146622E				1.000		
Class A	Dissimilar				Nozzle Pc. 25 to Pipe Pressurizer Surge Pc. 85			
B05.130.012B	2-PSL-10	ISI-OCN2-015	NDE-35	PT	SS-CS	10.750		
	Circumferential	B&W146622E				1.000		
Class A	Dissimilar				Nozzle Pc. 25 to Pipe Pressurizer Surge Pc. 85			
Total B05.130 Items:	15							

**CATEGORY B-F, Pressure Retaining
Dissimilar Metal Welds**

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ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DI/THK	CAL BLOCKS	COMMENTS
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****** Less Than NPS 4; Dissimilar Metal Butt Welds ******

B05.140.006	2-PDB1-11	ISI-OCN2-013	NDE-35	PT	CS/Inconel		3.500	
	Circumferential	B&W146829E					0.750	
Class A					Nozzle Pc. 46 to			
Dissimilar					Safe-End Pc. 47			

Total B05.140 Items: 1

Total B05 Items: 16

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

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ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DI/THK	CAL BLOCKS	COMMENTS
**** Closure Head Nuts ****								
B06.010.027	2-RPV-26-204-62	OM-1201-4 B&W152009E	NDE-25	MT	CS	9.250 1.300		Reactor Vessel Closure Nut Pc. 26.
Class A								
B06.010.028	2-RPV-26-204-28	OM-1201-4 B&W152009E	NDE-25	MT	CS	9.250 1.300		Reactor Vessel Closure Nut Pc. 26.
Class A								
B06.010.029	2-RPV-26-204-29	OM-1201-4 B&W152009E	NDE-25	MT	CS	9.250 1.300		Reactor Vessel Closure Nut Pc. 26.
Class A								
B06.010.030	2-RPV-26-204-30	OM-1201-4 B&W152009E	NDE-25	MT	CS	9.250 1.300		Reactor Vessel Closure Nut Pc. 26.
Class A								
B06.010.031	2-RPV-26-204-31	OM-1201-4 B&W152009E	NDE-25	MT	CS	9.250 1.300		Reactor Vessel Closure Nut Pc. 26.
Class A								
B06.010.032	2-RPV-26-204-32	OM-1201-4 B&W152009E	NDE-25	MT	CS	9.250 1.300		Reactor Vessel Closure Nut Pc. 26.
Class A								
B06.010.033	2-RPV-26-204-33	OM-1201-4 B&W152009E	NDE-25	MT	CS	9.250 1.300		Reactor Vessel Closure Nut Pc. 26.
Class A								
B06.010.034	2-RPV-26-204-34	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**

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ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIATHK CAL BLOCKS	COMMENTS
B06.010.035	2-RPV-26-204-35	OM-1201-4 B&W152009E	NDE-25	MT	CS	9.250 1.300	Reactor Vessel Closure Nut Pc. 26.
Class A							
B06.010.036	2-RPV-26-204-36	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: 10

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

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ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DI/THK	CAL BLOCKS	COMMENTS
**** Closure Studs, when removed ****								
B06.030.027	2-RPV-25-204-27	OM-1201-4 B&W152009E	NDE-944	UT	CS	6.500 0.000	40420	Reactor Vessel Closure Studs - Removed; Pc. 25. Stud Length = 63.250.
Class A								
B06.030.027A	2-RPV-25-204-27	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								
B06.030.028	2-RPV-25-204-28	OM-1201-4 B&W152009E	NDE-944	UT	CS	6.500 0.000	40420	Reactor Vessel Closure Studs - Removed; Pc. 25. Stud Length = 63.250.
Class A								
B06.030.028A	2-RPV-25-204-28	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								
B06.030.029	2-RPV-25-204-29	OM-1201-4 B&W152009E	NDE-944	UT	CS	6.500 0.000	40420	Reactor Vessel Closure Studs - Removed; Pc. 25. Stud Length = 63.250.
Class A								
B06.030.029A	2-RPV-25-204-29	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								
B06.030.030	2-RPV-25-204-30	OM-1201-4 B&W152009E	NDE-944	UT	CS	6.500 0.000	40420	Reactor Vessel Closure Studs - Removed; Pc. 25. Stud Length = 63.250.
Class A								
B06.030.030A	2-RPV-25-204-30	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								

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

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ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
B06.030.031	2-RPV-25-204-31	OM-1201-4 B&W152009E	NDE-944	UT	CS	6.500 0.000	40420	Reactor Vessel Closure Studs - Removed; Pc. 25. Stud Length = 63.250.
Class A								
B06.030.031A	2-RPV-25-204-31	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								
B06.030.032	2-RPV-25-204-32	OM-1201-4 B&W152009E	NDE-944	UT	CS	6.500 0.000	40420	Reactor Vessel Closure Studs - Removed; Pc. 25. Stud Length = 63.250.
Class A								
B06.030.032A	2-RPV-25-204-32	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								
B06.030.033	2-RPV-25-204-33	OM-1201-4 B&W152009E	NDE-944	UT	CS	6.500 0.000	40420	Reactor Vessel Closure Studs - Removed; Pc. 25. Stud Length = 63.250.
Class A								
B06.030.033A	2-RPV-25-204-33	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								
B06.030.034	2-RPV-25-204-34	OM-1201-4 B&W152009E	NDE-944	UT	CS	6.500 0.000	40420	Reactor Vessel Closure Studs - Removed; Pc. 25. Stud Length = 63.250.
Class A								
B06.030.034A	2-RPV-25-204-34	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								

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

DUKE ENERGY CORPORATION
QUALITY ASSURANCE TECHNICAL SERVICES
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Reactor Vessel

Oconee 2

Inservice Inspection Plan for Interval 3 Outage 2

ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIATHK	CAL BLOCKS	COMMENTS
B06.030.035	2-RPV-25-204-35	OM-1201-4 B&W152009E	NDE-944	UT	CS	6.500 0.000	40420	Reactor Vessel Closure Studs - Removed; Pc. 25. Stud Length = 63.250.
Class A								
B06.030.035A	2-RPV-25-204-35	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								
B06.030.036	2-RPV-25-204-36	OM-1201-4 B&W152009E	NDE-944	UT	CS	6.500 0.000	40420	Reactor Vessel Closure Studs - Removed; Pc. 25. Stud Length = 63.250.
Class A								
B06.030.036A	2-RPV-25-204-36	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:		20						

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

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

Reactor Vessel

Oconee 2

Inservice Inspection Plan for Interval 3 Outage 2

ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DI/THK	CAL BLOCKS	COMMENTS
**** Threads in Flange ****								
B06.040.001	2-RPV-LIGAMENTS	B&W151997E	NDE-640	UT	CS	200.000 12.500	40387	Reactor Vessel Flange Threads; Stud Holes 1 Thru 60.
Class A								
Total B06.040 Items: 1								

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

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

Reactor Vessel

Oconee 2

Inservice Inspection Plan for Interval 3 Outage 2

ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
**** Closure Washers, Bushings ****								
B06.050.001A	2-RPV-WASH-BUSH	B&W152009E	QAL-13	VT-1	CS	9.750	0.000	Reactor Vessel Closure Washers and Bushings. Stud Holes 27 Thru 36.
Class A								
Total B06.050 Items:		1						

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

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

Pumps

Oconee 2

Inservice Inspection Plan for Interval 3 Outage 2

ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DI/THK	CAL BLOCKS	COMMENTS
**** Flange Surface, when connection disassembled ****								
B06.190.001	2-RCP-2A1-FLANGE		QAL-13	VT-1	SS		0.000	Reactor Coolant Pump 2A1 main flange. Including 1" annular surface of flange surrounding each stud. (Inspect only if disassembled).
		OM-1201D-0005					0.000	
Class A		OM-1201-1217						

Total B06.190 Items: 1
Total B06 Items: 33

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

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

Valves

Oconee 2

Inservice Inspection Plan for Interval 3 Outage 2

ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
**** Bolts, Studs, and Nuts ****								
B07.070.012	2-51A-HP126-BOLTS		QAL-13	VT-1	NA		0.000	High Pressure Injection Valve HP-126. Valve Bolting.
	Class A	OM-246-015 OFD-101A-2.4					0.000	
B07.070.019	2-51A-HP188-BOLTS		QAL-13	VT-1	NA		0.000	High Pressure Injection Valve HP-188. Valve Bolting.
	Class A	OM-245-017 OFD-101A-2.4					0.000	
Total B07.070 Items: 2								

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

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

CRD Housings

Oconee 2

Inservice Inspection Plan for Interval 3 Outage 2

ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DI/THK	CAL BLOCKS	COMMENTS
**** Bolts, Studs, and Nuts ****								
B07.080.001	2-RPV-CRD-BOLTS	DPS 706599-1056 OM-201-2248	QAL-13	VT-1	CS		1.250 0.000	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.
Class A		B&W152006E						
B07.080.002	2-RPV-CRD-RINGS	DPS 706599-1056 OM-201-2248	QAL-13	VT-1	CS		11.500 1.250	CRD Housing Rings ; 1 Pair per housing Pc.120 ; CRD # 1,2,5,44,47,20,37, 40, 46, & 60)Inspected to date.(Inspect only if disassembled).
Class A		B&W152006E						
Total B07.080 Items:		2						
Total B07 Items:		4						

CATEGORY B-J, Pressure Retaining Welds In Piping

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NPS 4 or Larger

Oconee 2

Inservice Inspection Plan for Interval 3 Outage 2

ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DI/THK	CAL BLOCKS	COMMENTS
**** Circumferential Welds ****								
B09.011.004	2-53A-8-12	2-53A-8(1)	NDE-600	UT	SS	10.000		Reference Request for Relief 95-GO-03 for calibration block.
	Circumferential	OFD-102A-2.2				1.000		
Class A				Pipe to Elbow				
B09.011.004A	2-53A-8-12	2-53A-8(1)	NDE-35	PT	SS	10.000		
	Circumferential	OFD-102A-2.2				1.000		
Class A				Pipe to Elbow				
B09.011.016	2-53A-9-5	2-53A-9	NDE-600	UT	SS	10.000		Reference Request for Relief 95-GO-03 for calibration block.
	Circumferential	OFD-102A-2.3				1.000		
Class A				Pipe to Elbow				
B09.011.016A	2-53A-9-5	2-53A-9	NDE-35	PT	SS	10.000		
	Circumferential	OFD-102A-2.3				1.000		
Class A				Pipe to Elbow				
B09.011.018	2-51A-30-1	2-51A-30	NDE-600	UT	SS	4.000		Reference Request for Relief 95-GO-03 for calibration block.
	Circumferential	OFD-101A-2.4				0.531		
Class A				Valve 2HP-194 to Pipe				
B09.011.018A	2-51A-30-1	2-51A-30	NDE-35	PT	SS	4.000		
	Circumferential	OFD-101A-2.4				0.531		
Class A				Valve 2HP-194 to Pipe				
B09.011.029	2-PIB2-1	ISI-OCN2-010	NDE-600	UT	CS	33.500		TERMINAL END
	Circumferential	OM-1201-966				2.330		Reference Request for Relief 95-GO-03 for calibration block.
Class A	Term end			Nozzle Steam Gen. 2B to Pipe Pc. 67				
B09.011.029A	2-PIB2-1	ISI-OCN2-010	NDE-25	MT	CS	33.500		TERMINAL END
	Circumferential	OM-1201-966				2.330		
Class A	Term end			Nozzle Steam Gen. 2B to Pipe Pc. 67				

CATEGORY B-J, Pressure Retaining Welds In Piping

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

NPS 4 or Larger

Oconee 2

Inservice Inspection Plan for Interval 3 Outage 2

ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DI/THK	CAL BLOCKS	COMMENTS
B09.011.036	2-PSL-1	ISI-OCN2-015	NDE-600	UT	SS		10.000	TERMINAL END
	Circumferential	OFD-100A-2.2					1.000	Reference Request for Relief 95-GO-03 for calibration block.
Class A	Term end / Stress weld							Nozzle Pressurizer Surge to Elbow Pc. 80
B09.011.036A	2-PSL-1	ISI-OCN2-015	NDE-35	PT	SS		10.000	TERMINAL END
	Circumferential	OFD-100A-2.2					1.000	
Class A	Term end / Stress weld							Nozzle Pressurizer Surge to Elbow Pc. 80
B09.011.044	2-PSL-9	ISI-OCN2-015	NDE-600	UT	SS		10.000	Reference Request for Relief 95-GO-03 for calibration block.
	Circumferential	OFD-100A-2.2					1.000	
Class A	Stress weld							Elbow to Pipe
B09.011.044A	2-PSL-9	ISI-OCN2-015	NDE-35	PT	SS		10.000	
	Circumferential	OFD-100A-2.2					1.000	
Class A	Stress weld							Elbow to Pipe

Total B09.011 Items: 12

CATEGORY B-J, Pressure Retaining Welds In Piping

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Less Than NPS 4

Oconee 2

Inservice Inspection Plan for Interval 3 Outage 2

ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DI/THK	CAL BLOCKS	COMMENTS
**** Circumferential Welds ****								
B09.021.003	2-51A-144-17	2-51A-144	NDE-35	PT	SS	2.500		
	Circumferential	OFD-101A-2.1				0.375		
Class A				Pipe to Reducer				
B09.021.005	2-51A-144-24	2-51A-144	NDE-35	PT	SS	3.000		2B Letdown Cooler Inlet Nozzle to elbow weld.
	Circumferential	OFD-101A-2.1				0.438		TERMINAL END
Class A	Term end			Elbow to Nozzle				
B09.021.006	2-51A-145-1	2-51A-145	NDE-35	PT	SS	3.000		2B Letdown Cooler Outlet Nozzle to Elbow weld.
	Circumferential	OFD-101A-2.1				0.438		TERMINAL END
Class A	Term end			Nozzle to Elbow				
B09.021.027	2-51A-30-32	2-51A-30	NDE-35	PT	SS	2.500		
	Circumferential	OFD-101A-2.4				0.375		
Class A				Reducer to Pipe				
B09.021.032	2-51A-35-24	2-51A-35 (1)	NDE-35	PT	SS	2.500		
	Circumferential	OFD-101A-2.1				0.375		
Class A				Elbow to Pipe				
B09.021.045	2-50-129-9	2-50-129	NDE-35	PT	SS	1.500		
	Circumferential	OFD-100A-2.2				0.281		
Class A				Elbow to Pipe				

Total B09.021 Items: 6

CATEGORY B-J, Pressure Retaining Welds In Piping

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

Branch Pipe Connection Welds

Oconee 2

Inservice Inspection Plan for Interval 3 Outage 2

ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DI/THK	CAL BLOCKS	COMMENTS
**** NPS 4 or Larger ****								
B09.031.001	2-PHB-16	ISI-OCN2-006	NDE-600	UT	CS	23.000		Reference Request for Relief 95-GO-03 for calibration block.
Class A	Branch Stress weld	B&W149768E				2.875	Nozzle Pc.25 to Pipe Pc. 32	
B09.031.001A	2-PHB-16	ISI-OCN2-006	NDE-25	MT	CS	23.000		Nozzle Pc.25 to Pipe Pc. 32
Class A	Branch Stress weld	B&W149768E				2.875		
Total B09.031 Items:		2						
Total B09 Items:		20						

**CATEGORY B-L-1, Pressure Retaining Welds
In Pump Casings**

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

Pumps

Oconee 2

Inservice Inspection Plan for Interval 3 Outage 2

ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DI/THK	CAL BLOCKS	COMMENTS
**** Pump Casing Welds ****								
B12.010.001	2-RCP-2A1	ISI-OCN2-007	NDE-12	RT	SS	68.000		Reactor Coolant Pump 2A1 casing weld. (Inspect only if pump is disassembled for maintenance purposes, repair, etc).
	Circumferential	OM-1201D-0005				0.000		
	Class A	OM-1201-0001		Casing to Casing				
Total B12.010 Items:		2						

CATEGORY B-L-2, Pump Casings

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

Pumps

Oconee 2

Inservice Inspection Plan for Interval 3 Outage 2

ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DI/THK	CAL BLOCKS	COMMENTS
**** Pump Casing ****								
B12.020.001	2-RCP-2A1-CASING	ISI-OCN2-007 OM-1201D-0005	QAL-14	VT-3	SS		68.000 0.000	Reactor Coolant Pump 2A1 casing internal surfaces. (Inspect only if pump is disassembled for maintenance purposes, repair, etc).
Class A		OM-1201-0001					Casing Internal Surfaces to	

Total B12.020 Items: 1

CATEGORY B-M-2, Valve Bodies

DUKE ENERGY CORPORATION
 QUALITY ASSURANCE TECHNICAL SERVICES
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Valves

Oconee 2

Inservice Inspection Plan for Interval 3 Outage 2

ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DI/THK	CAL BLOCKS	COMMENTS
**** Valve Body, Exceeding NPS 4 ****								
B12.050.003	2-53A-CF13	OM-245-001	QAL-14	VT-3	SS		14.250	B-Side Core Flood (Y-Axis) Valve Body - Valve CF-13. (Inspect only if valve is disassembled for maintenance purposes, valve repair, etc.) Ref. ONS2-025 for EOC15
Class A		OFD-102A-2.3					0.000	
B12.050.008	2-53A-LP2	OM-201-165	QAL-14	VT-3	SS		12.968	Decay Heat Valve LP-2. (Inspect only if valve is disassembled for maintenance purposes, valve repair, etc.) Ref. ONS2-025 for EOC15
Class A		OFD-102A-2.1					0.000	
Total B12.050 Items:		2						
Total B12 Items:		4						

CATEGORY B-N-1, Interior of Reactor Vessel

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Reactor Vessel

Oconee 2

Inservice Inspection Plan for Interval 3 Outage 2

ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DI/THK	CAL BLOCKS	COMMENTS
**** Vessel Interior ****								
B13.010.001	2-RPV-INT-SURFACE	B&W152008E	QAL-14	VT-3	SS		0.000 0.000	Reactor Vessel Internal Surfaces
	Class A	ISI-OCN2-001						
Total B13.010 Items:		1						
Total B13 Items:		1						

CATEGORY C-B, Pressure Retaining Nozzle

Welds In Vessels

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**Nozzles With Reinforcing Plate In Vessels > 1/2
 in. Nominal Thickness**

Oconee 2

Inservice Inspection Plan for Interval 3 Outage 2

ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIATHK	CAL BLOCKS	COMMENTS
**** Nozzle-to-Shell (or Head) Welds When Inside of Vessel Is Inaccessible ****								
C02.033.005	2-LPCB-INLET		QAL-15	VT-2	SS	16.000		16" Inlet nozzle w/reinforcing pad. LP Cooler 2B
	Branch	OM-201-286				0.625		
	Class B	OFD-102A-2.2		Nozzle to Shell				
C02.033.006	2-LPCB-OUTLET		QAL-15	VT-2	SS	16.000		16" Outlet nozzle w/reinforcing pad. LP Cooler 2B
	Branch	OM-201-286				0.625		
	Class B	OFD-102A-2.2		Nozzle to Shell				

Total C02.033 Items: 2

Total C02 Items: 2

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

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Piping

Oconee 2

Inservice Inspection Plan for Interval 3 Outage 2

ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DI/THK	CAL BLOCKS	COMMENTS
**** Integrally Welded Attachments ****								
C03.020.006	2-01A-H1A	0-1481A	NDE-25	MT	CS		26.000	FILE NO. OSC-440
	Constant Support	OFD-122A-2.1					1.500	PROBLEM NO. 2-01-01 PAGE 40
	Class B							MAIN STEAM PIPING
C03.020.011	2-01A-H7A	0-1481A	NDE-25	MT	CS		26.000	FILE NO. OSC-440
	Constant Support	OFD-122A-2.1					1.000	PROBLEM NO. 2-01-01 PAGE 40
	Class B							MAIN STEAM PIPING
C03.020.013	2-01A-H9A	0-1481A	NDE-25	MT	CS		26.000	FILE NO. OSC-440
	Constant Support	OFD-122A-2.1					1.000	PROBLEM NO. 2-01-01 PAGE 40
	Class B							MAIN STEAM PIPING
C03.020.026	2-14B-H19D	0-1479A	NDE-25	MT	CS		8.000	FILE NO. OSC-1325
	Rigid Restraint	OFD-124B-2.2					1.500	PROBLEM NO. 2-14-16 VOL.6OF12
	Class B							LP SERVICE WATER
C03.020.027	2-14B-H20A	0-1479A	NDE-25	MT	CS		8.000	FILE NO. OSC-1325
	Rigid Restraint	OFD-124B-2.2					1.500	PROBLEM NO. 2-14-16 VOL.5OF12
	Class B							LP SERVICE WATER
C03.020.028	2-14B-H20D	0-1479A	NDE-25	MT	CS		8.000	FILE NO. OSC-1325
	Rigid Restraint	OFD-124B-2.2					1.500	PROBLEM NO. 2-14-16 VOL.6OF12
	Class B							LP SERVICE WATER
C03.020.029	2-14B-H22D	0-1480A	NDE-25	MT	CS		8.000	FILE NO. OSC-1325
	Rigid Restraint	OFD-124B-2.2					1.500	PROBLEM NO. 2-14-16 VOL.6OF12
	Class B							LP SERVICE WATER
C03.020.030	2-14B-H22A	0-1480A	NDE-25	MT	CS		8.000	FILE NO. OSC-1325
	Rigid Restraint	OFD-124B-2.2					1.500	PROBLEM NO. 2-14-16 VOL.5OF12
	Class B							LP SERVICE WATER

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

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

Piping

Oconee 2

Inservice Inspection Plan for Interval 3 Outage 2

ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
C03.020.048	2-53B-H6	5-0-1444	NDE-35	PT	SS		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					1.000	
Class B								
C03.020.055	2-54A-R2B	3-0-435B	NDE-35	PT	SS		8.000	FILE NO. OS-495, PROBLEM NO. 2-54-02, SHT 1 OF 1. REACTOR BUILDING SPRAY LINE "2B". INSPECT WITH ITEM NO. F01.050.056
	Hyd Snubber	OFD-103A-2.1					1.000	
Class B								
C03.020.059	2-SGA-WG87-XW	OM-201-1054	NDE-25	MT	CS		0.000	SGA FDW. HDR. S/R ATTACH. X-W QUAD. NEAR X-AXIS
	Rigid Restraint	OFD-121B-2.3					1.000	
Class B								
C03.020.062	2-SGA-WG87-YZ	OM-201-1054	NDE-25	MT	CS		0.000	SGA FDW. HDR. S/R ATTACH. Y-Z QUAD. NEAR Y-AXIS
	Rigid Restraint	OFD-121B-2.3					1.000	
Class B								
C03.020.064	2-SGA-WG87-ZY	OM-201-1054	NDE-25	MT	CS		0.000	SGA FDW. HDR. S/R ATTACH. Z-Y QUAD. NEAR Z-AXIS
	Rigid Restraint	OFD-121B-2.3					1.000	
Class B								
Total C03.020 Items:		13						
Total C03 Items:		13						

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

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

Oconee 2

Inservice Inspection Plan for Interval 3 Outage 2

ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIATHK	CAL BLOCKS	COMMENTS
**** Circumferential Weld ****								
C05.011.004	2LP-148-19	2LP-148	NDE-600	UT	SS	10.000		Reference Request for Relief 95-GO-03 for calibration block.
	Circumferential	OFD-102A-2.2				1.125		This weld was previously listed as 2-53A-8-19 until iso 2-53A-8(1) was redrawn.
Class B				Pipe to Valve 2LP-18				
C05.011.004A	2LP-148-19	2LP-148	NDE-35	PT	SS	10.000		This weld was previously listed as 2-53A-8-19 until iso 2-53A-8(1) was redrawn
	Circumferential	OFD-102A-2.2				1.125		
Class B				Pipe to Valve 2LP-18				
C05.011.006	2LP-150-36	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-9-36 until iso 2-53A-9 was redrawn.
Class B				Pipe to Elbow				
C05.011.006A	2LP-150-36	2LP-150	NDE-35	PT	SS	10.000		This weld was listed previously as 2-53A-9-36 until iso 2-53A-9 was redrawn.
	Circumferential	OFD-102A-2.3				1.125		
Class B				Pipe to Elbow				
C05.011.007	2LP-150-37	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-9-37 until iso 2-53A-9 was redrawn.
Class B				Pipe to Elbow				
C05.011.007A	2LP-150-37	2LP-150	NDE-35	PT	SS	10.000		This weld was listed previously as 2-53A-9-37 until iso 2-53A-9 was redrawn.
	Circumferential	OFD-102A-2.3				1.125		
Class B				Pipe to Elbow				
C05.011.008	2LP-150-38	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-9-38 until iso 2-53A-9 was redrawn.
Class B				Pipe to Elbow				
C05.011.008A	2LP-150-38	2LP-150	NDE-35	PT	SS	10.000		This weld was listed previously as 2-53A-9-38 until iso 2-53A-9 was redrawn.
	Circumferential	OFD-102A-2.3				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**

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

Oconee 2

Inservice Inspection Plan for Interval 3 Outage 2

ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIATHK	CAL BLOCKS	COMMENTS
**** Circumferential Weld ****								
C05.021.003	2-RCP-FTR2B-SH-1		NDE-12	RT	SS		4.000	Reactor Coolant Pump seal Supply Filter 2B Pc. 10 to Pc. 1. TERMINAL END
	Circumferential	OM-201-0473					0.531	
Class B	Term end	OFD-101A-2.4			Filter Hub to Filter Housing			
C05.021.003A	2-RCP-FTR2B-SH-1		NDE-35	PT	SS		4.000	TERMINAL END
	Circumferential	OM-201-0473					0.531	
Class B	Term end	OFD-101A-2.4			Filter Hub to Filter Housing			
C05.021.004	2-RCP-FTR2B-SH-2		NDE-12	RT	SS		4.000	Reactor Coolant Pump seal Supply Filter 2B Pc. 10 to Pc. 1. TERMINAL END
	Circumferential	OM-201-0473					0.531	
Class B	Term end	OFD-101A-2.4			Filter Hub to Filter Housing			
C05.021.004A	2-RCP-FTR2B-SH-2		NDE-35	PT	SS		4.000	TERMINAL END
	Circumferential	OM-201-0473					0.531	
Class B	Term end	OFD-101A-2.4			Filter Hub to Filter Housing			
C05.021.005	2-51A-129-5	2-51A-129	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					Pipe to Tee			
C05.021.005A	2-51A-129-5	2-51A-129	NDE-35	PT	SS		4.000	
	Circumferential	OFD-101A-2.4					0.531	
Class B					Pipe to Tee			
C05.021.030	2-51A-17-147	2-51A-17 (7)	NDE-600	UT	SS		4.000	Reference Request for Relief 95-GO-03 for calibration block.
	Circumferential	OFD-101A-2.3					0.531	
Class B					Valve 2HP-148 to Elbow			
C05.021.030A	2-51A-17-147	2-51A-17 (7)	NDE-35	PT	SS		4.000	
	Circumferential	OFD-101A-2.3					0.531	
Class B					Valve 2HP-148 to Elbow			

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

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

Oconee 2

Inservice Inspection Plan for Interval 3 Outage 2

ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIATHK CAL BLOCKS	COMMENTS
C05.021.031	2-51A-17-158	2-51A-17 (7) OFD-101A-2.3	NDE-600	UT	SS	4.000 0.531	Reference Request for Relief 95-GO-03 for calibration block.
Class B	Circumferential			Elbow to Elbow			
C05.021.031A	2-51A-17-158	2-51A-17 (7) OFD-101A-2.3	NDE-35	PT	SS	4.000 0.531	
Class B	Circumferential			Elbow to Elbow			
C05.021.032	2-51A-27-25	2-51A-27 (1) OFD-101A-2.4	NDE-600	UT	SS	4.000 0.531	Reference Request for Relief 95-GO-03 for calibration block.
Class B	Circumferential			Elbow to Pipe			
C05.021.032A	2-51A-27-25	2-51A-27 (1) OFD-101A-2.4	NDE-35	PT	SS	4.000 0.531	
Class B	Circumferential			Elbow to Pipe			
C05.021.033	2HP-220-9	2HP-220 OFD-101A-2.4	NDE-600	UT	SS	4.000 0.674	Reference Request for Relief 95-GO-03 for calibration block. This weld was listed previously as 2-51A-27-41AA until iso 2-51A-27(1) was redrawn.
Class B	Circumferential			Valve 2HP-27 to Pipe			
C05.021.033A	2HP-220-9	2HP-220 OFD-101A-2.4	NDE-35	PT	SS	4.000 0.674	This weld was listed previously as 2-51A-27-41AA until iso 2-51A-27(1) was redrawn.
Class B	Circumferential			Valve 2HP-27 to Pipe			
C05.021.034	2HP-220-14	2HP-220 OFD-101A-2.4	NDE-600	UT	SS	4.000 0.674	Reference Request for Relief 95-GO-03 for calibration block. This weld was listed previously as 2-51A-27-41C until iso 2-51A-27(1) was redrawn.
Class B	Circumferential			Tee to Pipe			
C05.021.034A	2HP-220-14	2HP-220 OFD-101A-2.4	NDE-35	PT	SS	4.000 0.674	This weld was listed previously as 2-51A-27-41C until iso 2-51A-27(1) was redrawn.
Class B	Circumferential			Tee to Pipe			

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

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

Oconee 2

Inservice Inspection Plan for Interval 3 Outage 2

ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
C05.021.035	2HP-215-1	2HP-215	NDE-12	RT	SS	4.000		This weld was listed previously as 2-51A-27-54 until iso 2-51A-27(3) was redrawn.
	Circumferential	OFD-101A-2.4				0.674		
Class B				Pipe to Valve 2HP-188				
C05.021.035A	2HP-215-1	2HP-215	NDE-35	PT	SS	4.000		This weld was listed previously as 2-51A-27-54 until iso 2-51A-27(3) was redrawn.
	Circumferential	OFD-101A-2.4				0.674		
Class B				Pipe to Valve 2HP-188				
C05.021.084	2-51A-27-10	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				
C05.021.084A	2-51A-27-10	2-51A-27 (1)	NDE-35	PT	SS	4.000		
	Circumferential	OFD-101A-2.4				0.531		
Class B				Elbow to Pipe				
C05.021.090	2-51A-27-31	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				
C05.021.090A	2-51A-27-31	2-51A-27 (1)	NDE-35	PT	SS	4.000		
	Circumferential	OFD-101A-2.4				0.531		
Class B				Elbow to Pipe				
C05.021.096	2-51A-28-40A	2-51A-28 (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				Valve 2HP-129 to Pipe				
C05.021.096A	2-51A-28-40A	2-51A-28 (1)	NDE-35	PT	SS	4.000		
	Circumferential	OFD-101A-2.4				0.531		
Class B				Valve 2HP-129 to Pipe				

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

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

Oconee 2

Inservice Inspection Plan for Interval 3 Outage 2

ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIATHK	CAL BLOCKS	COMMENTS
C05.021.102	2-51A-33-27	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				
C05.021.102A	2-51A-33-27	2-51A-33	NDE-35	PT	SS	2.500		
	Circumferential	OFD-101A-2.1				0.375		
Class B				Elbow to Pipe				

Total C05.021 Items: 26

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

DUKE ENERGY CORPORATION
QUALITY ASSURANCE TECHNICAL SERVICES
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Socket Welds

Oconee 2

Inservice Inspection Plan for Interval 3 Outage 2

ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DI/THK	CAL BLOCKS	COMMENTS
C05.030.003	2-51B-23-64	2-51B-23	NDE-35	PT	SS		2.000	
	Socket	OFD-101A-2.2					0.154	
	Class B							Pipe to Valve 2HP136

Total C05.030 Items: 1

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

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

Oconee 2

Inservice Inspection Plan for Interval 3 Outage 2

ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
**** Circumferential Weld ****								
C05.051.001	2-01A-4-17	2-01A-4 (1) OFD-122A-2.1	NDE-600	UT	CS	36.000 1.164		Reference Request for Relief 95-GO-03 for calibration block.
Class B	Circumferential						Reducing Y Fitting to Elbow	
C05.051.001A	2-01A-4-17	2-01A-4 (1) OFD-122A-2.1	NDE-25	MT	CS	36.000 1.164		
Class B	Circumferential						Reducing Y Fitting to Elbow	
C05.051.009	2-01A-5-35	2-01A-5 (4) OFD-122A-2.1	NDE-600	UT	CS	24.000 0.969		S/G 2B Main Steam Nozzle to Reducer weld. TERMINAL END. Reference Request for Relief 95-GO-03 for calibration block.
Class B	Term end						Nozzle S/G 2B to Reducer	
C05.051.009A	2-01A-5-35	2-01A-5 (4) OFD-122A-2.1	NDE-25	MT	CS	24.000 0.969		S/G 2B Main Steam Nozzle to Reducer weld. TERMINAL END
Class B	Term end						Nozzle S/G 2B to Reducer	
C05.051.010	2-01A-5-36	2-01A-5 (4) OFD-122A-2.1	NDE-600	UT	CS	24.000 0.969		S/G 2B Main Steam Nozzle to Reducer weld. TERMINAL END. Reference Request for Relief 95-GO-03 for calibration block.
Class B	Term end						Nozzle S/G 2B to Reducer	
C05.051.010A	2-01A-5-36	2-01A-5 (4) OFD-122A-2.1	NDE-25	MT	CS	24.000 0.969		S/G 2B Main Steam Nozzle to Reducer weld. TERMINAL END
Class B	Term end						Nozzle S/G 2B to Reducer	
C05.051.015	2-03A-10-61	2-03A-10 OFD-121D-2.1	NDE-600	UT	CS	6.000 0.562		Reference Request for Relief 95-GO-03 for calibration block.
Class B	Circumferential						Tee to Pipe	
C05.051.015A	2-03A-10-61	2-03A-10 OFD-121D-2.1	NDE-25	MT	CS	6.000 0.562		
Class B	Circumferential						Tee to Pipe	

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

**DUKE ENERGY CORPORATION
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Inservice Inspection Database Management System**

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

Oconee 2

Inservice Inspection Plan for Interval 3 Outage 2

ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
C05.051.020	2-03-18-3	2-03-18 (1)	NDE-600	UT	CS	14.000		Reference Request for Relief 95-GO-03 for calibration block.
Class B	Circumferential	OFD-121B-2.3		Elbow to Reducer		0.750		
C05.051.020A	2-03-18-3	2-03-18 (1)	NDE-25	MT	CS	14.000		Reference Request for Relief 95-GO-03 for calibration block.
Class B	Circumferential	OFD-121B-2.3		Elbow to Reducer		0.750		
C05.051.021	2-03-18-35	2-03-18 (2)	NDE-600	UT	CS	14.000		Reference Request for Relief 95-GO-03 for calibration block.
Class B	Circumferential	OFD-121B-2.3		Pipe to Tee		0.750		
C05.051.021A	2-03-18-35	2-03-18 (2)	NDE-25	MT	CS	14.000		Reference Request for Relief 95-GO-03 for calibration block.
Class B	Circumferential	OFD-121B-2.3		Pipe to Tee		0.750		
C05.051.023	2-03-20-WG91-D	2-03-20	NDE-600	UT	CS	14.000		Reference Request for Relief 95-GO-03 for calibration block.
Class B	Circumferential	OFD-121B-2.3 OM-1201-451		Pipe to Pipe Cap		0.750		
C05.051.023A	2-03-20-WG91-D	2-03-20	NDE-25	MT	CS	14.000		Reference Request for Relief 95-GO-03 for calibration block.
Class B	Circumferential	OFD-121B-2.3 OM-1201-451		Pipe to Pipe Cap		0.750		

Total C05.051 Items: 14

Total C05 Items: 49

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

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Oconee 2

Inservice Inspection Plan for Interval 3 Outage 2

ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIATHK	CAL BLOCKS	COMMENTS
**** Component Supports and Restraints ****								
D02.020.003	2-01A-DE042	0-1403D	QAL-14	VT-3	NA	6.000		FILE NO. OSC-445, PROBLEM NO. 2-01-6, SHT 2 OF 4.
	Rigid Restraint	OFD-122A-2.4				0.500		
	Class C							
D02.020.018	2-03A-GC-1421	0-1401A	QAL-14	VT-3	NA	6.000		File Number = OSC-447, Page No. 111; Problem Number = 2-03A-05; EFW to Main Feedwater Line
	Rigid Restraint	OFD-121D-2.1				0.375		
	Class C							
D02.020.019	2-03A-H10	1-0-1437A	QAL-14	VT-3	NA	6.000		File Number = OSC-449; Problem Number = 2-03A-08, Sht 3 of 6; Emergency Feedwater Bypass Line
	Rigid Restraint	OFD-121D-2.1				0.125		
	Class C							
D02.020.020	2-03A-H10	1-0-1439B	QAL-14	VT-3	NA	6.000		File Number = OSC-459; Problem Number = 2-03a-06, Sht 3 of 4; Emergency Feedwater Sys; Thickness = 1.00 & .375
	Rigid Restraint	OFD-121D-2.1				1.000		
	Class C							
D02.020.023	2-03A-H11	1-0-1439B	QAL-14	VT-3	NA	6.000		File Number = OSC-459; Problem Number = 2-03A-06, Sht 3 of 4; Emergency Feedwater Sys
	Rigid Restraint	OFD-121D-2.1				0.375		
	Class C							
D02.020.032	2-03A-H23	1-0-1400A	QAL-14	VT-3	NA	6.000		File Number = OSC-449; Problem Number = 2-03a-08, Sht. 5 of 6; Emergency Feedwater Bypass Line
	Rigid Restraint	OFD-121D-2.1				0.500		
	Class C							
D02.020.039	2-03A-H33A	1-0-1400A	QAL-14	VT-3	NA	6.000		File Number = OSC-451, Page No. 85; Problem Number = 2-03A-10; Sys 03A
	Rigid Restraint	OFD-121D-2.1				0.500		
	Class C							
D02.020.040	2-03A-H37	1-0-1400B	QAL-14	VT-3	NA	6.000		File Number = OSC-1213; Problem Number = 2-03A-12, Sht. 1 of 2; Aux Feedwater Discharge Sys. Thickness = .500 & .125
	Rigid Restraint	OFD-121D-2.1				0.500		
	Class C							

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

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Oconee 2

Inservice Inspection Plan for Interval 3 Outage 2

ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
D02.020.050	2-03A-H9 Rigid Restraint Class C	1-0-1439C OFD-121D-2.1	QAL-14	VT-3	NA		6.000 0.312	File Number = OSC-459; Problem Number = 2-03A-06, Sht 3 of 4; Emergency Feedwater Bypass Line
D02.020.052	2-03A-JEJ-0701 Rigid Restraint Class C	0-437B OFD-121D-2.1	QAL-14	VT-3	NA		6.000 1.000	File Number = OSC-450, Page No. 105; Problem Number = 2-03A-09; EFW Crossover
D02.020.057	2-03A-RL-0800 Rigid Restraint Class C	0-1437A OFD-121D-2.1	QAL-14	VT-3	NA		6.000 0.500	File Number = OSC-449; Problem Number = 2-03A-08, Sht 3 of 6; Emergency Feedwater Bypass Line
D02.020.066	2-03A-SR19 Rigid Restraint Class C	1-0-1401A OFD-121D-2.1	QAL-14	VT-3	NA		6.000 1.000	File Number = OSC-457; Problem Number = 2-03A-04 Sht. 1 of 4; Emergency Feedwater Bypass Line. Welds are shown on sketch 2-03A-SR18.
D02.020.067	2-03A-SR2 Rigid Restraint Class C	1-0-437B 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
D02.020.068	2-03A-SR20 Rigid Restraint Class C	1-0-400B OFD-121D-2.1	QAL-14	VT-3	NA		6.000 0.750	File Number = OSC-450; Problem Number = 2-03A-09 PAGE NO. 107 EFW CROSSOVER
D02.020.078	2-03A-SR29 Rigid Restraint Class C	1-0-1400A OFD-121D-2.1	QAL-14	VT-3	NA		6.000 0.500	File Number = OSC-451, Page No. 85; Problem Number = 2-03A-10;SYS. 03A
D02.020.083	2-03A-SR32 Rigid Restraint Class C	1-0-1400A OFD-121D-2.1	QAL-14	VT-3	NA		6.000 0.500	File Number = OSC-451, Page No. 84A; Problem Number = 2-03A-10; Sys 03A

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

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Oconee 2

Inservice Inspection Plan for Interval 3 Outage 2

ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DI/THK	CAL BLOCKS	COMMENTS
D02.020.084	2-03A-SR33	1-0-1400A	QAL-14	VT-3	NA	6.000		File Number = OSC-451, Page No. 84A; Problem Number = 2-03A-10; Sys 03A
	Rigid Restraint	OFD-121D-2.1				0.500		
Class C								
D02.020.085	2-03A-SR34	1-0-1400A	QAL-14	VT-3	NA	6.000		File Number = OSC-1213; Problem Number = 2-03A-12, Sht. 1 of 2; Aux Feedwater Discharge Sys.
	Rigid Restraint	OFD-121D-2.1				1.000		
Class C								
D02.020.093	2-03A-SR41	1-0-1401B	QAL-14	VT-3	NA	6.000		File Number = OSC-449; Problem Number = 2-03A-08, Sht. 4 of 6; Emergency Feedwater Bypass Line
	Rigid Restraint	OFD-121D-2.1				0.500		
Class C								
D02.020.103	2-07A-DE055	0-1400A	QAL-14	VT-3	NA	8.000		FILE NO. OSC-466, PROBLEM NO. 2-07-02, SHTS. 1 OF 3, & 3 OF 3. SYSTEM 07A.
	Rigid Restraint	OFD-121A-2.8				1.500		
Class C								
D02.020.106	0-13-H7041	0-447B	QAL-14	VT-3	NA	12.000		FILE NO. OSC-1224-26 PROBLEM NO. 4-14-12 SHT.1OF5 AUX.SWP DISCHARGE
	Rigid Restraint	OFD-133A-2.5				1.000		
Class C								
Total D02.020 Items:		21						
Total D02 Items:		21						

CATEGORY F-A, Supports (Category A)

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

Oconee 2

Inservice Inspection Plan for Interval 3 Outage 2

ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DI/THK	CAL BLOCKS	COMMENTS	
F01.010.001	2-51A-H12B	0-1479A	QAL-14	VT-3	NA		2.500	FILE NO. OSC-1323	
	Rigid Restraint	OFD-101A-2.4					0.500	PROBLEM NO.2-51-24	
	Class A							HPI SYSTEM WEST COOLANT LOOP SOUTH LEG	
Total F01.010 Items:		1							
F01.011.005	2-53A-H24C	0-1479A	QAL-14	VT-3	NA		1.500	PROBLEM NO.2-53-14 LPINJ. TO PZR SPRAY	
	Rigid Restraint	OFD-100A-2.2					0.000		
	Class A	0-2RB-25314-02							
Total F01.011 Items:		1							
F01.012.004	2-51A-H1A	0-1479A	QAL-14	VT-3	NA		2.500	FILE NO. OSC-1324-06 SHT.4OF5 PROBLEM	
	Spring Hgr	OFD-101A-2.4					0.000	NO.2-53-15	
	Class A							HPI SYSTEM EAST COOLANT LOOP	
F01.012.009	2-50-RCPM-2A1-SS1	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 F01.050.098.	
Total F01.012 Items:		2							

CATEGORY F-A, Supports (Category A)

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

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Class 2 Weld Connections to Building Structure

Oconee 2

Inservice Inspection Plan for Interval 3 Outage 2

ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
F01.020.005	2-03-H1B	0-1479A	QAL-14	VT-3	NA		14.000	MAIN FEEDWATER EAST GEN. 2A, DWG NO. O-1490B-2.
	Rigid Restraint	OFD-121B-2.3					0.280	
Class B								SWAY STRUT to
F01.020.008	2-14B-H18C	0-1479A	QAL-14	VT-3	NA		8.000	FILE NO. OSC-1325 PROBLEM NO. 2-14-13 VOL.3OF12 LP SERVICE WATER
	Rigid Restraint	OFD-124B-2.2					0.000	
Class B								
F01.020.018	2-51A-H187	0-1444	QAL-14	VT-3	NA		4.000	FILE NO. OSC-1023 PAGE 48.1 PROBLEM NO.2-51-18 HPI SYSTEM CROSSOVER LINE
	Rigid Restraint	OFD-101A-2.4					0.000	
Class B								
F01.020.020	2-51A-SR58	6-0-435B	QAL-14	VT-3	NA		6.000	File Number = OSC-481,Page 143; Problem Number = 51-2
	Rigid Restraint	OFD-101A-2.3					0.000	
Class B								
F01.020.023	2-53B-DE019	0-435B	QAL-14	VT-3	NA		10.000	FILE NO. OS-487, PROBLEM NO. 2-53-01, SHT 3 OF 5. L. P. INJECTION & DECAY HEAT REMOVAL SYSTEM 53B.
	Rigid Restraint	OFD-102A-2.2					0.000	
Class B								
F01.020.031	2-53B-H60	0-439A	QAL-14	VT-3	NA		10.000	FILE NO. OS-493, PROBLEM NO. 2-53-2, SHT 3 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								
F01.020.036	2-54A-H15	3-0-1439B	QAL-14	VT-3	NA		8.000	FILE NO. OS-496, PROBLEM NO. 2-54-03 SHT 1 OF 2. SYSTEM 54A.
	Rigid Restraint	OFD-103A-2.1					0.125	
Class B								
F01.020.045	2-51-H142	0-436J	QAL-14	VT-3	NA		6.000	Calc# OSC-481, Page 142.1 Problem# 51-2, sht. 1 of 6
	Rigid Restraint	OFD-101A-2.2					0.000	
Class B								

Total F01.020 Items: 8

CATEGORY F-A, Supports (Category C)

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 2

ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DI/THK	CAL BLOCKS	COMMENTS
F01.022.014	2-53B-EMO-H50	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. Added to EOC16 per Engineering request. Ref. addenda ONS2-025.
	Spring Hgr	OFD-102A-2.1					0.000	
Class B								
F01.022.018	2-53B-H71	5-0-435B	QAL-14	VT-3	NA		10.000	FILE NO. OS-487, PROBLEM NO. 2-53-01, SHT 3 OF 5. L. P. INJECTION & DECAY HEAT REMOVAL SYSTEM 53B.
	Spring Hgr	OFD-102A-2.2					0.000	
Class B								

Total F01.022 Items: 4

CATEGORY F-A, Supports (Category B)

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

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

Oconee 2

Inservice Inspection Plan for Interval 3 Outage 2

ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIATHK CAL	BLOCKS	COMMENTS
F01.031.010	2-03A-SR2	1-0-1401A	QAL-14	VT-3	NA	6.000		File Number = OSC-447, Page No. 111; Problem Number = 2-03A-05; EFW to Main Feedwater Line
	Rigid Restraint	OFD-121D-2.1				0.000		
Class C								
F01.031.018	2-14B-DE107	0-438C	QAL-14	VT-3	NA	6.000		FILE NO. OSC-394, PROBLEM NO. 4-14-3, SHT 8 OF 9. AUX. SERVICE WATER PIPE.
	Rigid Restraint	OFD-121D-1.2				0.000		
Class C								
Total F01.031 Items:		3						
F01.032.004	2-03A-H45	1-0-1401B	QAL-14	VT-3	NA	6.000		File Number = OSC-449; Problem Number = 2-03A-08, Sht. 4 of 6; Emergency Feedwater Bypass Line
	Spring Hgr	OFD-121D-2.1				0.000		
Class C								
Total F01.032 Items:		1						

CATEGORY F-A, Supports

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

Oconee 2

Inservice Inspection Plan for Interval 3 Outage 2

ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
F01.040.008	2-CTK-UST-A	OM-149-0001 OFD-121A-2.7	QAL-14	VT-3	NA		0.000 0.000	Upper Surge Tank "A" Support Legs. Class C Class C
F01.040.010	2-EFDW-PT	OM-200B-0006 OFD-122A-2.4	QAL-14	VT-3	NA		0.000 0.000	Emergency Feedwater Pump Turbine. Reference Figure 1 in Manual OM200B-0006 Items 12 & 18. Class C
F01.040.014	2-PEN-ROOM-FAN	O-1485C OFD-116B-2.1	QAL-14	VT-3	NA		0.000 0.000	Penetration Room Fan 2A Support Class C
F01.040.022	2-RCSR-COOLER 2A	OM-201-086 OFD-101A-2.1	QAL-14	VT-3	NA		0.000 0.000	RC Seal Return Cooler 2A Support Class B
Total F01.040 Items:		4						

CATEGORY F-A, Supports

DUKE ENERGY CORPORATION
 QUALITY ASSURANCE TECHNICAL SERVICES
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Spring Supports & Constant Load Supports

Oconee 2

Inservice Inspection Plan for Interval 3 Outage 2

ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DI/THK	CAL BLOCKS	COMMENTS
F01.050.001	2-03-R12	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	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	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	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	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	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	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	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

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Oconee 2

Inservice Inspection Plan for Interval 3 Outage 2

ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIATHK	CAL BLOCKS	COMMENTS
F01.050.009	2-01A-R9-2	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	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	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	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	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	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	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	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							

CATEGORY F-A, Supports

**DUKE ENERGY CORPORATION
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Spring Supports & Constant Load Supports

Oconee 2

Inservice Inspection Plan for Interval 3 Outage 2

ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DI/THK	CAL BLOCKS	COMMENTS
F01.050.017	2-03A-H1B Hyd Snubber Class C	0-1480A OFD-121D-2.1	QAL-14	VT-3	NA		6.000 0.237	File Number = OSC-1224-17, Page 49; Problem Number 2-03A-13; Aux Service Water Piping.
F01.050.018	2-50-H10 Hyd Snubber Class A	0-1480A OFD-100A-2.2	QAL-14	VT-3	NA		2.500 0.000	FILE NO. OSC-1324-06 SHT.1OF2 PROBLEM NO.2-53-14 PZR SPRAY SYSTEM
F01.050.019	2-50-H11 Hyd Snubber Class A	0-1480A OFD-100A-2.2	QAL-14	VT-3	NA		2.500 0.000	FILE NO. OSC-1324-06 SHT.1 OF 2 PROBLEM NO.2-53-14 PZR SPRAY SYSTEM.
F01.050.020	2-50-H8 Hyd Snubber Class A	0-1480A OFD-100A-2.2	QAL-14	VT-3	NA		2.500 0.000	FILE NO. OSC-1324-06 SHT.1 OF 2 PROBLEM NO.2-53-14 PZR SPRAY SYSTEM.
F01.050.021	2-50-H9 Hyd Snubber Class A	0-1480A OFD-100A-2.2	QAL-14	VT-3	NA		2.500 0.000	FILE NO. OSC-1324-06 SHT.1OF2 PROBLEM NO.2-53-14 PZR SPRAY SYSTEM
F01.050.022	2-01A-H2A Hyd Snubber Class B	0-1481A OFD-122A-2.1	QAL-14	VT-3	NA		24.000 0.322	FILE NO. OSC-440 PROBLEM NO. 2-01-01 PAGE 40 MAIN STEAM PIPING
F01.050.023	2-01A-H2B Hyd Snubber Class B	0-1481B OFD-122A-2.1	QAL-14	VT-3	NA		24.000 0.322	FILE NO. OSC-440 PROBLEM NO. 2-01-01 PAGE 40 MAIN STEAM PIPING.
F01.050.024	2-01A-H8A Hyd Snubber Class B	0-1481A OFD-122A-2.1	QAL-14	VT-3	NA		24.000 0.322	FILE NO. OSC-440 PROBLEM NO. 2-01-01 PAGE 40 MAIN STEAM PIPING

CATEGORY F-A, Supports

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ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIATHK CAL BLOCKS	COMMENTS
F01.050.025	2-01A-H8B	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	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
F01.050.027	2-50-H3	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	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	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	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	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	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

DUKE ENERGY CORPORATION
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Spring Supports & Constant Load Supports

Oconee 2

Inservice Inspection Plan for Interval 3 Outage 2

ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIATHK	CAL BLOCKS	COMMENTS
F01.050.033	2-57-H21	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	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	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
F01.050.036	2-57-H7	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	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	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	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	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						

CATEGORY F-A, Supports

DUKE ENERGY CORPORATION
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Inservice Inspection Plan for Interval 3 Outage 2

ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
F01.050.041	2-50-H3A	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	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	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	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							
F01.050.045	2-03A-SR100	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 Bypass
	Class C							Line.
F01.050.046	2-03A-SR101PO	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 Bypass
	Class C							Line.
F01.050.047	2-51A-SR150	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	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

CATEGORY F-A, Supports

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ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIATHK	CAL BLOCKS	COMMENTS
F01.050.050	2-01A-H44	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	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	2-0-436E	QAL-14	VT-3	NA		14.000	FILE NO. OSC-481, PROBLEM NO. 51-2, SHT 4 OF
	Hyd Snubber	OFD-102A-2.1					0.000	6. HPI PUMP SUCT. HEADER W/BRANCHES FROM
	Class B							B.W.S. TANK, L.S. TANK AND L.P. COOLERS "2A"
								& "2B".
F01.050.053	2-01A-R7	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	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							
F01.050.055	2-54A-R101	3-0-435B	QAL-14	VT-3	NA		8.000	FILE NO. OS-494, PROBLEM NO. 2-54-1, SHT 1 OF
	Hyd Snubber	OFD-103A-2.1					0.000	1. REACTOR BUILDING SPRAY LINE "2A".
	Class B							
F01.050.056	2-54A-R2B	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	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							

CATEGORY F-A, Supports

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ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
F01.050.058	2-01A-R18	4-0-1403D	QAL-14	VT-3	NA	6.000		FILE NO. OSC-445, PROBLEM NO. 2-01-6, SHT 1 OF 4. STEAM SUPPLY TO EFWP.
	Hyd Snubber	OFD-122A-2.4				0.000		
	Class C							
F01.050.059	2-01A-R21	4-0-1403D	QAL-14	VT-3	NA	6.000		FILE NO. OSC-445, PROBLEM NO. 2-01-6, SHT 1 OF 4. STEAM SUPPLY TO EFWP.
	Hyd Snubber	OFD-122A-2.4				0.000		
	Class C							
F01.050.060	2-01A-R22	4-0-1403D	QAL-14	VT-3	NA	6.000		FILE NO. OSC-445, PROBLEM NO. 2-01-6, SHT 1 OF 4. STEAM SUPPLY TO EFWP.
	Hyd Snubber	OFD-122A-2.4				0.000		
	Class C							
F01.050.061	2-01A-R6	4-1-0-1403D	QAL-14	VT-3	NA	6.000		FILE NO. OSC-445, PROBLEM NO. 2-01-6, SHT 1 OF 4. STEAM SUPPLY TO EFWP.
	Hyd Snubber	OFD-122A-2.4				0.000		
	Class C							
F01.050.062	2-01A-R2	4-2-0-1403C	QAL-14	VT-3	NA	6.000		FILE NO. OSC-445, PROBLEM NO. 2-01-6, SHT 2 OF 4.
	Hyd Snubber	OFD-122A-2.4				0.000		
	Class C							
F01.050.063	2-53B-SR1000	5-0-435B	QAL-14	VT-3	NA	10.000		FILE NO. OS-493, PROBLEM NO. 2-53-2, SHT 1 OF 4. FROM L. P. PUMPS "2A" & "2C" TO R. B. & BORATED WATER STORAGE TANK SYSTEM "53A" & "53B".
	Hyd Snubber	OFD-102A-2.2				0.000		
	Class B							
F01.050.064	2-13-SR1	7-0-1400B	QAL-14	VT-3	NA	12.000		File Number = OS-471; Problem Number = 13-7, SHT. 1 of 1; Emergency Cooling Water Discharge
	Hyd Snubber	OFD-133A-2.2				0.000		
	Class C							
F01.050.065	2-13-SR4	7-0-1400B	QAL-14	VT-3	NA	30.000		File Number = OS-471; Problem Number = 13-7, SHT. 1 of 1; Emergency Cooling Water Discharge
	Hyd Snubber	OFD-133A-2.2				0.000		
	Class C							

CATEGORY F-A, Supports

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ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIATHK CAL BLOCKS	COMMENTS
F01.050.066	2-07A-DE039	0-1400A	QAL-14	VT-3	NA	24.000	FILE NO. OSC-467, PROBLEM NO. 2-07-01, PG 108. UPPER SURGE TANK TO CONDENSER SYSTEM 07A.
	Mech Snubber	OFD-121A-2.7				0.000	
Class C							
F01.050.067	2-03-R13	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	0-1401A	QAL-14	VT-3	NA	6.000	FILE NO. OSC-447, PROBLEM NO. 2-03A-05, SHT 4 OF 7.
	Mech Snubber	OFD-121B-2.3				0.000	
Class C							
F01.050.069	2-03A-H4088	0-1401A	QAL-14	VT-3	NA	6.000	File Number = OS-459; Problem Number = 2-03A-06 Sht. 1 of 4; Emergency Feedwater
	Mech Snubber	OFD-121D-2.1				0.000	
Class C							
F01.050.070	2-01A-R11	0-1401B	QAL-14	VT-3	NA	36.000	FILE NO. OSC-440 PROBLEM NO. 2-01-01 PAGE 40 MAIN STEAM PIPING
	Mech Snubber	OFD-122A-2.1				0.000	
Class B							
F01.050.071	2-01A-R4	0-1401B	QAL-14	VT-3	NA	36.000	FILE NO. OSC-440 PROBLEM NO. 2-01-01 PAGE 40 MAIN STEAM PIPING
	Mech Snubber	OFD-122A-2.1				0.000	
Class B							
F01.050.072	2-01A-R6	0-1401B	QAL-14	VT-3	NA	36.000	FILE NO. OSC-440 PROBLEM NO. 2-01-01 PAGE 40 MAIN STEAM PIPING.
	Mech Snubber	OFD-122A-2.1				1.000	
Class B							
F01.050.073	2-01A-DE076	0-1403D	QAL-14	VT-3	NA	6.000	FILE NO. OSC-445, PROBLEM NO. 2-01-6, SHT 1 OF 4. STEAM SUPPLY TO EFWP.
	Mech Snubber	OFD-122A-2.4				0.000	
Class C							

CATEGORY F-A, Supports

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ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DI/THK	CAL BLOCKS	COMMENTS
F01.050.074	2-01A-DE077	0-1403D	QAL-14	VT-3	NA	6.000		FILE NO. OSC-445, PROBLEM NO. 2-01-6, SHT 2 OF 4.
	Mech Snubber	OFD-122A-2.4				0.000		
Class C								
F01.050.075	2-51A-H184	0-1439A	QAL-14	VT-3	NA	4.000		FILE NO. OSC-1023 PAGE 48.1 PROBLEM NO.2-51-18 HPI SYSTEM CROSSOVER LINE
	Mech Snubber	OFD-101A-2.4				0.000		
Class B								
F01.050.076	2-51A-H167	0-1439C	QAL-14	VT-3	NA	4.000		FILE NO. OSC-1023 PAGE 47.1 PROBLEM NO.2-51-18 HPI SYSTEM CROSSOVER LINE
	Mech Snubber	OFD-101A-2.4				0.000		
Class B								
F01.050.077	2-01A-DE060	0-1441	QAL-14	VT-3	NA	36.000		FILE NO. OSC-440 PROBLEM NO. 2-01-01 PAGE 40 MAIN STEAM PIPING
	Mech Snubber	OFD-122A-2.1				0.000		
Class B								
F01.050.078	2-01A-DE061	0-1441	QAL-14	VT-3	NA	36.000		FILE NO. OSC-440 PROBLEM NO. 2-01-01 PAGE 40 MAIN STEAM PIPING
	Mech Snubber	OFD-122A-2.1				0.000		
Class B								
F01.050.079	2-01A-R7	0-1441	QAL-14	VT-3	NA	36.000		FILE NO. OSC-440 PROBLEM NO. 2-01-01 PAGE 40 MAIN STEAM PIPING.
	Hyd Snubber	OFD-122A-2.1				1.000		
Class B								
F01.050.080	2-01A-R9-1	0-1441	QAL-14	VT-3	NA	36.000		FILE NO. OSC-440 PROBLEM NO. 2-01-01 PAGE 40 MAIN STEAM PIPING
	Hyd Snubber	OFD-122A-2.1				0.688		
Class B								
F01.050.081	2-03A-NPS-H28	0-1478A	QAL-14	VT-3	NA	3.000		FILE NO. OSC-1224-17, PROBLEM NO. 2-03A-13, SHT 4 OF 5.
	Mech Snubber	OFD-121B-2.5				0.000		
Class C								

CATEGORY F-A, Supports

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ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DI/THK	CAL BLOCKS	COMMENTS
F01.050.082	2-03-H6103	0-1480A	QAL-14	VT-3	NA	6.000		File Number = OSC-1224-17, Page No. 50.1; Problem Number = 2-03A-13; Aux Service Water Piping
	Mech Snubber	OFD-121D-2.1				0.000		
Class B								
F01.050.083	2-03A-H3A	0-1480A	QAL-14	VT-3	NA	6.000		File Number = OSC-1224-17, Page No. 50.1; Problem Number = 2-03A-13; Aux Service Water Piping.
	Mech Snubber	OFD-121D-2.1				0.237		
Class C								
F01.050.084	2-57-NWIZ	0-1480A	QAL-14	VT-3	NA	12.000		FILE NO. OSC-1332-06, PROBLEM NO. 2-57-01, PG 14.1.
	Mech Snubber	OFD-107A-2.1				0.000		
Class C								
F01.050.086	2-03A-H121	1-0-1400A	QAL-14	VT-3	NA	6.000		File Number = OSC-1213; Problem Number = 2-03A-12, Sht. 1 of 2; Aux Feedwater Discharge Sys.
	Mech Snubber	OFD-121D-2.1				0.000		
Class C								
F01.050.087	2-53B-DE063	1-0-1436A	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".
	Mech Snubber	OFD-102A-2.2				0.000		
Class B								
F01.050.088	2-53B-DE068	1-0-1439C	QAL-14	VT-3	NA	10.000		FILE NO. OS-493, PROBLEM NO. 2-53-2, SHT 3 OF 4. FROM L. P. PUMPS "2A" & "2C" TO R. B. & BORATED WATER STORAGE TANK SYSTEM "53A" & "53B".
	Mech Snubber	OFD-102A-2.2				0.000		
Class B								
F01.050.089	2-53B-DE060	1-0-435B	QAL-14	VT-3	NA	8.000		FILE NO. OS-493, PROBLEM NO. 2-53-2, SHT 1 OF 4. FROM L. P. PUMPS "2A" & "2C" TO R. B. & BORATED WATER STORAGE TANK SYSTEM "53A" & "53B".
	Mech Snubber	OFD-102A-2.2				0.000		
Class B								
F01.050.090	2-53B-DE070	1-0-438C	QAL-14	VT-3	NA	8.000		FILE NO. OS-493, PROBLEM NO. 2-53-2, SHT 3 OF 4. FROM L. P. PUMPS "2A" & "2C" TO R. B. & BORATED WATER STORAGE TANK SYSTEM "53A" & "53B".
	Mech Snubber	OFD-102A-2.1				0.000		
Class B								

CATEGORY F-A, Supports

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ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
F01.050.091	2-53B-DE056	2-0-436E	QAL-14	VT-3	NA	14.000		FILE NO. OSC-481, PROBLEM NO. 51-2, SHT 4 OF 6. HPI PUMP SUCT. HEADER W/BRANCHES FROM B.W.S. TANK, L.S. TANK AND L.P. COOLERS "2A" & "2B".
	Mech Snubber	OFD-102A-2.1				0.000		
Class B								
F01.050.092	2-01A-R19	4-0-1403D	QAL-14	VT-3	NA	6.000		FILE NO. OSC-445, PROBLEM NO. 2-01-6, SHT 1 OF 4. STEAM SUPPLY TO EFWP.
	Mech Snubber	OFD-122A-2.4				0.000		
Class C								
F01.050.093	2-01A-R27	4-2-0-1400A	QAL-14	VT-3	NA	6.000		FILE NO. OSC-445, PROBLEM NO. 2-01-6, SHT 2 OF 4.
	Mech Snubber	OFD-122A-2.4				0.237		
Class C								
F01.050.094	2-53B-DE057	5-0-435B	QAL-14	VT-3	NA	10.000		FILE NO. OS-487, PROBLEM NO. 2-53-01, SHT 3 OF 5. L. P. INJECTION & DECAY HEAT REMOVAL SYSTEM 53B.
	Mech Snubber	OFD-102A-2.2				0.000		
Class B								
F01.050.095	2-07A-H60	6-0-1400A	QAL-14	VT-3	NA	20.000		FILE NO. OSC-467, PROBLEM NO. 2-07-1 SHTS. 1 OF 6, 2 OF 6, & 3 OF 6. CONDENSATE SYSTEM.
	Mech Snubber	OFD-121A-2.8				0.000		
Class C								
F01.050.096	2-07A-H61	6-0-1400A	QAL-14	VT-3	NA	20.000		FILE NO. OSC-467, PROBLEM NO. 2-07-1 SHTS. 1 OF 6, 2 OF 6, & 3 OF 6. CONDENSATE SYSTEM.
	Mech Snubber	OFD-121A-2.8				0.000		
Class C								
F01.050.097	2-07A-H62	6-0-1400A	QAL-14	VT-3	NA	24.000		FILE NO. OSC-467, PROBLEM NO. 2-07-1 SHTS. 1 OF 6, 2 OF 6, & 3 OF 6. CONDENSATE SYSTEM.
	Mech Snubber	OFD-121A-2.8				0.000		
Class C								
F01.050.098	2-50-RCPM-2A1-SS1	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		
		OFD-100A-2.3						
Class A								

CATEGORY F-A, Supports

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ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
F01.050.099	2-50-RCPM-2A1-SS2	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	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	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	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	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	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	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	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

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ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIATHK	CAL BLOCKS	COMMENTS
F01.050.107	2-50-RCPM-2B2-SS1	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	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	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:		107						
Total F01 Items:		142						

CATEGORY AUG, Augmented Inspections

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Reactor Coolant Pump Flywheel

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ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
G01.001.001	2-RCP-2A1	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	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	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	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

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High Pressure Injection Nozzle Safe End

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ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DI/THK	CAL	BLOCKS	COMMENTS
G02.001.005A Class A	2-PDA1-46	ISI-OCN2-011 B&W146629E OFD-100A-2.1	NDE-690	UT	CS	3.500	40410	0.750 See Commen	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. Calibration Block Inner Radius Drop Out may also be used.
G02.001.005B Class A	2-PDA2-46	ISI-OCN2-012 B&W146629E OFD-100A-2.1	NDE-690	UT	CS	3.500	40410	0.750 See Commen	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. Calibration Block Inner Radius Drop Out may also be used.
G02.001.005C Class A	2-PDB1-46	ISI-OCN2-013 B&W146629E OFD-100A-2.1	NDE-690	UT	CS	3.500	40410	0.750 See Commen	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. Calibration Block Inner Radius Drop Out may also be used.
G02.001.005D Class A	2-PDB2-46	ISI-OCN2-014 B&W146629E OFD-100A-2.1	NDE-690	UT	CS	3.500	40410	0.750 See Commen	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. Calibration Block Inner Radius Drop Out may also be used.
G02.001.006A Class A	2-PDA1-11 Circumferential	ISI-OCN2-011 B&W146629E OFD-100A-2.1	NDE-610	UT	SS-CS	3.500	40416	0.750 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. Make-Up Nozzle, PC 46 to Safe End

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G02.001.006B Class A	2-PDA2-11 Circumferential	ISI-OCN2-012 B&W146629E OFD-100A-2.1	NDE-610	UT	SS-CS	3.500 0.750	40416 Component	interval. This schedule cannot be changed. Check with Engineering prior to scheduling the fourth interval. 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.
G02.001.006C Class A	2-PDB1-11 Circumferential	ISI-OCN2-013 B&W146629E OFD-100A-2.1	NDE-610	UT	SS-CS	3.500 0.750	40416 Component	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.
G02.001.006D Class A	2-PDB2-11 Circumferential	ISI-OCN2-014 B&W146629E OFD-100A-2.1	NDE-610	UT	SS-CS	3.500 0.750	40416 Component	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.
G02.001.007A Class A	2-PDA1-47	ISI-OCN2-011 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 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.
G02.001.007B Class A	2-PDA2-47	ISI-OCN2-012 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 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).

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ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIATHK	CAL BLOCKS	COMMENTS
G02.001.007C Class A	2-PDB1-47	ISI-OCN2-013 B&W146629E OFD-100A-2.1	NDE-960	UT	SS	3.500 0.750	Component	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	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 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.
G02.001.008A Class A	2RC-204-18 Circumferential	2RC-204 B&W146629E OFD-100A-2.1	NDE-960	UT	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.
G02.001.008B Class A	2RC-203-2 Circumferential	2RC-203 B&W146629E OFD-100A-2.1	NDE-960	UT	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.

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ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
G02.001.008C Class A	2RC-202-1 Circumferential	2RC-202 B&W146629E OFD-100A-2.1	NDE-960	UT	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.
				Safe End, PC 47 to Pipe				
G02.001.008D Class A	2RC-205-1 Circumferential	2RC-205 B&W146629E OFD-100A-2.1	NDE-960	UT	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.
				Safe End, PC 47 to Pipe				
G02.001.010A Class A	2RC-204-20 Circumferential	2RC-204 B&W146629E OFD-100A-2.1	NDE-960	UT	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.
				Pipe Pipe to Vlv 2HP-127				
G02.001.010B Class A	2RC-203-3 Circumferential	2RC-203 B&W146629E OFD-100A-2.1	NDE-960	UT	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.
				Pipe Pipe to Vlv 2HP-126				
G02.001.010C Class A	2RC-202-3 Circumferential	2RC-202 B&W146629E OFD-100A-2.1	NDE-960	UT	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.
				Pipe Pipe to Vlv 2HP-153				

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ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIATHK	CAL BLOCKS	COMMENTS
G02.001.010D Class A	2RC-205-3 Circumferential	2RC-205 B&W146629E OFD-100A-2.1	NDE-960	UT	SS		2.500 Component 0.375	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.
				Pipe Pipe to Vlv 2HP-152				
G02.001.011A Class A	2A1 THERM-SLEEVE Circumferential	ISI OCN2-011 B&W146629E OFD-100A-2.1	NDE-105	RT	SS		3.500 0.750	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.
G02.001.011B Class A	2A2 THERM-SLEEVE Circumferential	ISI OCN2-012 B&W146629E OFD-100A-2.1	NDE-105	RT	SS		3.500 0.750	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.
G02.001.011C Class A	2B1 THERM-SLEEVE Circumferential	ISI OCN2-013 B&W146629E OFD-100A-2.1	NDE-105	RT	SS		3.500 0.750	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.
G02.001.011D Class A	2B2 THERM-SLEEVE Circumferential	ISI OCN2-014 B&W146629E OFD-100A-2.1	NDE-105	RT	SS		3.500 0.750	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.

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ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DI/THK	CAL BLOCKS	COMMENTS
Total G02.001 Items:	24							
Total G02 Items:	24							

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Inservice Inspection Database Management System**

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

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ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DI/THK	CAL BLOCKS	COMMENTS
G09.001.004	2-51A-17-25	2-51A-17 (1)	NDE-35	PT	SS	6.000		Non-Legitimate Weld in Inspection Category C-F-1. Reference Section 7, Paragraph 7.1.9 in ISI Plan - Volume 1.
Class B	Circumferential	OFD-101A-2.3		Pipe to Elbow		0.280		
G09.001.009	2LP-143-60	2LP-143	NDE-35	PT	SS	14.000		Non-Legitimate Weld in Inspection Category C-F-1. Reference Section 7, Paragraph 7.1.9 in ISI Plan - Volume 1. This weld was listed previously as 2-53B-18-60 until iso 2-53B-18(3) was redrawn.
Class B	Circumferential	OFD-102A-2.2		Pipe to Elbow		0.250		
G09.001.010	2LP-143-65	2LP-143	NDE-35	PT	SS	12.000		Non-Legitimate Weld in Inspection Category C-F-1. Reference Section 7, Paragraph 7.1.9 in ISI Plan - Volume 1. TERMINAL END This weld was listed previously as 2-53B-18-65 until iso 2-53B-18(3) was redrawn.
Class B	Term end	OFD-102A-2.2		Elbow to Flange		0.180		
G09.001.011	2-53B-19-100	2-53B-19(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.
Class B	Circumferential	OFD-102A-2.2		Elbow to Tee		0.148		
G09.001.017	2-53B-26-58	2-53B-26(1)	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.
Class B	Circumferential	OFD-102A-2.2		Reducer to Pipe		0.250		
G09.001.034	2-54A-5-40	2-54A-5(1)	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.
Class B	Circumferential	OFD-102A-2.1		Pipe to Elbow		0.250		
Total G09.001 Items:	6							
Total G09 Items:	6							

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Class 1 RTE Mounting Bosses

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ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
G10.001.004	2-PHB-13	ISI-OCN2-006	NDE-35	PT	CS/Inconel	9.000		Reference Section 7, Paragraph 7.1.10 in ISI Plan - Volume 1. This weld covers the X-Axis. The diameter of hole that penetrates the nozzle into the Hot Leg = .613.
	Circumferential	OM-1201-1521				2.875		
Class A	Dissimilar			Pipe Pc. 7 to RTE Mounting Boss Pc.12				
G10.001.005	2-PHB-14	ISI-OCN2-006	NDE-35	PT	CS/Inconel	9.000		Reference Section 7, Paragraph 7.1.10 in ISI Plan - Volume 1. This weld covers the Y-Z Axis. The diameter of hole that penetrates the nozzle into the Hot Leg = .613.
	Circumferential	OM-1201-1521				2.875		
Class A	Dissimilar			Pipe Pc. 7 to RTE Mounting Boss Pc.12				
G10.001.006	2-PHB-15	ISI-OCN2-006	NDE-35	PT	CS/Inconel	9.000		Reference Section 7, Paragraph 7.1.10 in ISI Plan - Volume 1. This weld covers the Z-W Axis. The diameter of hole that penetrates the nozzle into the Hot Leg = .613.
	Circumferential	OM-1201-1521				2.875		
Class A	Dissimilar			Pipe Pc. 7 to RTE Mounting Boss Pc.12				
Total G10.001 Items:	3							
Total G10 Items:	3							

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ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
G12.001.001	2-51B-18-24	2-51B-18	NDE-35	PT	SS		4.000	Non-Legitimate Weld in Inspection Category C-F-1. Reference Section 7, Paragraph 7.1.12 in ISI Plan - Volume 1.
	Circumferential	OFD-101A-2.2					0.120	
Class B								Elbow to Valve 2HP23
G12.001.007	2-51B-21-93	2-51B-21	NDE-35	PT	SS		3.000	Non-Legitimate Weld in Inspection Category C-F-1. Reference Section 7, Paragraph 7.1.12 in ISI Plan - Volume 1.
	Circumferential	OFD-101A-2.1					0.120	
Class B								Valve 2HP71 to Elbow
G12.001.008	2-51B-22-103	2-51B-22	NDE-35	PT	SS		2.500	Non-Legitimate Weld in Inspection Category C-F-1. Reference Section 7, Paragraph 7.1.12 in ISI Plan - Volume 1.
	Circumferential	OFD-101A-2.2					0.120	
Class B								Elbow to Pipe
G12.001.013	2-51B-24-11	2-51B-24	NDE-35	PT	SS		4.000	2B RC Seal Return Cooler Outlet Nozzle Non-Legitimate Weld in Inspection Category C-F-1. Reference Section 7, Paragraph 7.1.12 in ISI Plan - Volume 1.
	Circumferential	OFD-101A-2.1					0.120	
Class B	Term end							Elbow to Nozzle
Total G12.001 Items:	4							
Total G12 Items:	4							

5.0 Results Of Inspections Performed During Outage 16

The results of each examination shown in the final ISI Plan (Section 4.0 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)	=	<u>Y</u> Yes <u>N</u> No
RFR	=	Request for Relief Required
Comments	=	General and/or Detail Description

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B01.030.001A	2-RPV-WR19	50	03/23/1998	CLR	---	N	N	
B03.110.001	2-PZR-WP15	50	03/26/1998	CLR	68.40%	N	Y	Request for Relief # 98-01
B03.110.006	2-PZR-WP26-4	50	03/24/1998	CLR	28.77%	N	Y	Request for Relief # 98-03
B03.110.007	2-PZR-WP26-5	50	03/24/1998	CLR	28.77%	N	Y	Request for Relief # 98-03
B03.110.008	2-PZR-WP26-6	50	03/24/1998	CLR	28.77%	N	Y	Request for Relief # 98-03
B03.120.001	2-PZR-WP15	50	03/26/1998	CLR	---	N	N	
B03.120.006	2-PZR-WP26-4	50	03/24/1998	CLR	65.82%	N	Y	Request for Relief # 98-03
B03.120.007	2-PZR-WP26-5	50	03/24/1998	CLR	65.82%	N	Y	Request for Relief # 98-03
B03.120.008	2-PZR-WP26-6	50	03/24/1998	CLR	65.82%	N	Y	Request for Relief # 98-03
B05.130.001	2-53A-10-10A	53A	04/14/1998	REC	---	Y	N	
B05.130.001A	2-53A-10-10A	53A	04/14/1998	REC	---	Y	N	
B05.130.001B	2-53A-10-10A	53A	04/14/1998	CLR	---	N	N	Talked to Level III about doing quick test due to high radiation in general area (180 mr). Jim Mc Ardle gave approval. GJM 4/13/98
B05.130.004	2-PDB1-2	50	03/26/1998	CLR	---	N	N	
B05.130.004A	2-PDB1-2	50	03/26/1998	CLR	---	N	N	
B05.130.004B	2-PDB1-2	50	03/26/1998	CLR	---	N	N	
B05.130.006	2-PHA-17	50	04/14/1998	CLR	---	N	N	
B05.130.006A	2-PHA-17	50	04/14/1998	CLR	---	N	N	
B05.130.006B	2-PHA-17	50	04/14/1998	CLR	---	N	N	Talked to Level III about doing quick test due to high radiation in general area (180 mr). Jim Mc Ardle gave approval. GJM 4/13/98
B05.130.007	2-PHB-17	50	04/01/1998	CLR	---	N	N	
B05.130.007A	2-PHB-17	50	04/01/1998	CLR	---	N	N	
B05.130.007B	2-PHB-17	50	04/01/1998	CLR	---	N	N	
B05.130.012	2-PSL-10	50	04/01/1998	CLR	---	N	N	
B05.130.012A	2-PSL-10	50	04/01/1998	REC	---	Y	N	
B05.130.012B	2-PSL-10	50	04/01/1998	CLR	---	N	N	
B05.140.006	2-PDB1-11	50	03/25/1998	CLR	---	N	N	
B06.010.027	2-RPV-26-204-62	50	04/01/1998	CLR	---	N	N	
B06.010.028	2-RPV-26-204-28	50	04/01/1998	CLR	---	N	N	
B06.010.029	2-RPV-26-204-29	50	04/01/1998	CLR	---	N	N	
B06.010.030	2-RPV-26-204-30	50	04/01/1998	CLR	---	N	N	
B06.010.031	2-RPV-26-204-31	50	04/01/1998	CLR	---	N	N	
B06.010.032	2-RPV-26-204-32	50	04/01/1998	CLR	---	N	N	
B06.010.033	2-RPV-26-204-33	50	04/01/1998	CLR	---	N	N	
B06.010.034	2-RPV-26-204-34	50	04/01/1998	CLR	---	N	N	

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B06.010.035	2-RPV-26-204-35	50	04/01/1998	CLR	---	N	N	
B06.010.036	2-RPV-26-204-36	50	04/01/1998	CLR	---	N	N	
B06.030.027	2-RPV-25-204-27	50	04/01/1998	CLR	---	N	N	
B06.030.027A	2-RPV-25-204-27	50	04/01/1998	CLR	---	N	N	
B06.030.028	2-RPV-25-204-28	50	04/01/1998	CLR	---	N	N	
B06.030.028A	2-RPV-25-204-28	50	04/01/1998	CLR	---	N	N	
B06.030.029	2-RPV-25-204-29	50	04/01/1998	CLR	---	N	N	
B06.030.029A	2-RPV-25-204-29	50	04/01/1998	CLR	---	N	N	
B06.030.030	2-RPV-25-204-30	50	04/01/1998	CLR	---	N	N	
B06.030.030A	2-RPV-25-204-30	50	04/01/1998	CLR	---	N	N	
B06.030.031	2-RPV-25-204-31	50	04/01/1998	CLR	---	N	N	
B06.030.031A	2-RPV-25-204-31	50	04/01/1998	CLR	---	N	N	
B06.030.032	2-RPV-25-204-32	50	04/01/1998	CLR	---	N	N	
B06.030.032A	2-RPV-25-204-32	50	04/01/1998	CLR	---	N	N	
B06.030.033	2-RPV-25-204-33	50	04/01/1998	CLR	---	N	N	
B06.030.033A	2-RPV-25-204-33	50	04/01/1998	CLR	---	N	N	
B06.030.034	2-RPV-25-204-34	50	04/01/1998	CLR	---	N	N	
B06.030.034A	2-RPV-25-204-34	50	04/01/1998	CLR	---	N	N	
B06.030.035	2-RPV-25-204-35	50	04/01/1998	CLR	---	N	N	
B06.030.035A	2-RPV-25-204-35	50	04/01/1998	CLR	---	N	N	
B06.030.036	2-RPV-25-204-36	50	04/01/1998	CLR	---	N	N	
B06.030.036A	2-RPV-25-204-36	50	04/01/1998	CLR	---	N	N	
B06.040.001	2-RPV-LIGAMENTS	50	03/23/1998	CLR	---	N	N	
B06.050.001A	2-RPV-WASH-BUSH	50	04/01/1998	CLR	---	N	N	Stud and Nut # 35 has washer serial # 71 Stud and Nut # 38 has washer serial # 72
B06.190.001	2-RCP-2A1-FLANGE	50	04/03/1998	CLR	---	N	N	
B07.070.012	2-51A-HP126-BOLTS	51A	04/02/1998	CLR	---	N	N	
B07.070.019	2-51A-HP188-BOLTS	51A	04/02/1998	CLR	---	N	N	
B07.080.001	2-RPV-CRD-BOLTS	50	04/20/1998	CLR	---	N	N	Note: Light corrosion but no apparent cross sectional reduction. CRD bolts had no obvious indications. Bolts did have a lot of damage done during removal process. Bolting for the following CRD housings were inspected: 7, 20, 37, 40, and 46.
B07.080.002	2-RPV-CRD-RINGS	50	04/20/1998	CLR	---	N	N	CRD rings had no obvious ISI indications. Rings did have a lot of damage done during removal process. Rings for the following CRD housings were inspected: 7, 20, 37, 40, and 46.
B09.011.004	2-53A-8-12	53A	04/01/1998	CLR	---	N	N	
B09.011.004A	2-53A-8-12	53A	04/01/1998	CLR	---	N	N	
B09.011.016	2-53A-9-5	53A	04/13/1998	REC	---	Y	N	

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B09.011.016A	2-53A-9-5	53A	04/13/1998	CLR	---	N	N	
B09.011.018	2-51A-30-1	51A	03/23/1998	CLR	---	N	N	
B09.011.018A	2-51A-30-1	51A	03/23/1998	CLR	---	N	N	
B09.011.029	2-PIB2-1	50	04/01/1998	CLR	---	N	N	
B09.011.029A	2-PIB2-1	50	04/01/1998	CLR	---	N	N	
B09.011.036	2-PSL-1	50	03/25/1998	REC	---	Y	N	
B09.011.036A	2-PSL-1	50	03/25/1998	CLR	---	N	N	
B09.011.044	2-PSL-9	50	03/25/1998	CLR	---	N	N	
B09.011.044A	2-PSL-9	50	03/25/1998	CLR	---	N	N	
B09.021.003	2-51A-144-17	51A	03/29/1998	CLR	---	N	N	
B09.021.005	2-51A-144-24	51A	03/29/1998	CLR	---	N	N	
B09.021.006	2-51A-145-1	51A	03/29/1998	CLR	---	N	N	
B09.021.027	2-51A-30-32	51A	03/23/1998	CLR	---	N	N	
B09.021.032	2-51A-35-24	51A	03/28/1998	CLR	---	N	N	
B09.021.045	2-50-129-9	50	03/31/1998	CLR	---	N	N	
B09.031.001	2-PHB-16	50	04/05/1998	CLR	---	N	N	
B09.031.001A	2-PHB-16	50	04/05/1998	CLR	---	N	N	
B12.010.001	2-RCP-2A1	50	05/08/1998	CLR	---	N	N	Code Case N-481 was invoked for item number B12.010.001. An evaluation of Unit 2 RCP-2A1 was performed by Structural Integrity Associates, INC. in lieu of RT inspection of the pump casing weld. This evaluation was reviewed by the resident ANII at Oconee.
B12.020.001	2-RCP-2A1-CASING	50	04/01/1998	CLR	---	N	N	In accordance with Code Case N-481 a VT-1 Visual examination of the external surfaces of the 2A1 RC Pump Casing weld was performed by Clint Leatherman on 4-7-98. This was done in addition to the VT-3 of the casing internal surfaces.
B12.050.003	2-53A-CF13	53A	04/09/1998	CLR	---	N	N	
B12.050.008	2-53A-LP2	53A	04/09/1998	CLR	---	N	N	
B13.010.001	2-RPV-INT-SURFACE	50	03/24/1998	CLR	---	N	N	Reactor Vessel Internal Surfaces
C02.033.005	2-LPCB-INLET		01/21/1998	CLR	---	N	N	Pressure Test package 22FI-225
C02.033.006	2-LPCB-OUTLET		01/21/1998	CLR	---	N	N	Pressure Test package 22FI-225
C03.020.006	2-01A-H1A	01A	04/10/1998	CLR	---	N	N	
C03.020.011	2-01A-H7A	01A	04/12/1998	CLR	---	N	N	
C03.020.013	2-01A-H9A	01A	03/25/1998	CLR	---	N	N	
C03.020.026	2-14B-H19D	14B	04/09/1998	CLR	---	N	N	Missing weld on bottom 2 lugs, west side. May have a partial pen weld on the east side. This was evaluated by civil engineering and decision was made to update sketch to reflect what is in the

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C03.020.027	2-14B-H20A	14B	04/09/1998	CLR	---	N	N	field. Undersized weld on top 2 lugs on south side fillet weld. This was reviewed by civil engineering and it was decided to update sketch to reflect what is in the field.
C03.020.028	2-14B-H20D	14B	04/09/1998	CLR	---	N	N	Undersized weld on top 2 lugs on south side fillet weld. This was reviewed by civil engineering and it was decided to update sketch to reflect what is in the field.
C03.020.029	2-14B-H22D	14B	04/09/1998	CLR	---	N	N	No weld on west side bottom lug. Civil engineering has reviewed this and decided to update sketch to reflect what is in the field.
C03.020.030	2-14B-H22A	14B	04/09/1998	CLR	---	N	N	No weld on west side bottom lug. Civil engineering has reviewed this and decided to update sketch to reflect what is in the field.
C03.020.048	2-53B-H6	53B	02/24/1998	CLR	---	N	N	
C03.020.055	2-54A-R2B	54A	03/02/1998	CLR	---	N	N	
C03.020.059	2-SGA-WG87-XW	03	04/02/1998	CLR	---	N	N	
C03.020.062	2-SGA-WG87-YZ	03	04/04/1998	CLR	---	N	N	
C03.020.064	2-SGA-WG87-ZY	03	04/04/1998	CLR	---	N	N	
C05.011.004	2LP-148-19	53A	03/10/1998	REC	---	Y	N	
C05.011.004A	2LP-148-19	53A	03/10/1998	CLR	---	N	N	
C05.011.006	2LP-150-36	53A	03/09/1998	REC	---	Y	N	
C05.011.006A	2LP-150-36	53A	03/09/1998	CLR	---	N	N	
C05.011.007	2LP-150-37	53A	03/09/1998	REC	---	Y	N	
C05.011.007A	2LP-150-37	53A	03/09/1998	CLR	---	N	N	
C05.011.008	2LP-150-38	53A	03/09/1998	CLR	---	N	N	
C05.011.008A	2LP-150-38	53A	03/09/1998	CLR	---	N	N	
C05.021.003	2-RCP-FTR2B-SH-1	51A	02/26/1998	CLR	---	N	N	
C05.021.003A	2-RCP-FTR2B-SH-1	51A	02/24/1998	CLR	---	N	N	
C05.021.004	2-RCP-FTR2B-SH-2	51A	02/27/1998	CLR	---	N	N	
C05.021.004A	2-RCP-FTR2B-SH-2	51A	02/24/1998	CLR	---	N	N	
C05.021.005	2-51A-129-5	51A	03/09/1998	CLR	---	N	N	
C05.021.005A	2-51A-129-5	51A	03/09/1998	CLR	---	N	N	
C05.021.030	2-51A-17-147	51A	03/03/1998	CLR	---	N	N	
C05.021.030A	2-51A-17-147	51A	03/03/1998	CLR	---	N	N	
C05.021.031	2-51A-17-158	51A	03/03/1998	CLR	---	N	N	
C05.021.031A	2-51A-17-158	51A	03/03/1998	CLR	---	N	N	
C05.021.032	2-51A-27-25	51A	03/27/1998	CLR	---	N	N	
C05.021.032A	2-51A-27-25	51A	03/27/1998	CLR	---	N	N	
C05.021.033	2HP-220-9	51A	03/09/1998	CLR	---	N	N	

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C05.021.033A	2HP-220-9	51A	03/09/1998	CLR	---	N	N	
C05.021.034	2HP-220-14	51A	03/04/1998	REC	---	Y	N	
C05.021.034A	2HP-220-14	51A	03/04/1998	CLR	---	N	N	
C05.021.035	2HP-215-1	51A	04/07/1998	CLR	---	N	N	
C05.021.035A	2HP-215-1	51A	03/30/1998	CLR	---	N	N	
C05.021.084	2-51A-27-10	51A	04/12/1998	REC	---	Y	N	
C05.021.084A	2-51A-27-10	51A	04/10/1998	CLR	---	N	N	
C05.021.090	2-51A-27-31	51A	03/27/1998	CLR	---	N	N	
C05.021.090A	2-51A-27-31	51A	03/27/1998	CLR	---	N	N	
C05.021.096	2-51A-28-40A	51A	03/03/1998	CLR	---	N	N	
C05.021.096A	2-51A-28-40A	51A	03/03/1998	CLR	---	N	N	
C05.021.102	2-51A-33-27	51A	04/06/1998	CLR	---	N	N	
C05.021.102A	2-51A-33-27	51A	04/06/1998	CLR	---	N	N	
C05.030.003	2-51B-23-64	51B	03/27/1998	CLR	---	N	N	
C05.051.001	2-01A-4-17	01A	03/23/1998	REC	---	Y	N	
C05.051.001A	2-01A-4-17	01A	03/23/1998	CLR	---	N	N	
C05.051.009	2-01A-5-35	01A	03/23/1998	REC	---	Y	N	
C05.051.009A	2-01A-5-35	01A	03/23/1998	CLR	---	N	N	
C05.051.010	2-01A-5-36	01A	03/23/1998	REC	---	Y	N	
C05.051.010A	2-01A-5-36	01A	03/23/1998	CLR	---	N	N	
C05.051.015	2-03A-10-61	03A	03/11/1998	REC	---	Y	N	
C05.051.015A	2-03A-10-61	03A	03/11/1998	CLR	---	N	N	
C05.051.020	2-03-18-3	03	03/23/1998	REC	---	Y	N	
C05.051.020A	2-03-18-3	03	03/23/1998	CLR	---	N	N	
C05.051.021	2-03-18-35	03	03/23/1998	REC	---	Y	N	
C05.051.021A	2-03-18-35	03	03/23/1998	CLR	---	N	N	
C05.051.023	2-03-20-WG91-D	03	03/23/1998	CLR	---	N	N	
C05.051.023A	2-03-20-WG91-D	03	03/23/1998	CLR	---	N	N	
D02.020.003	2-01A-DE042	01A	04/15/1998	REC	---	N	N	Discrepancies were reviewed by civil engineering and found to be acceptable for service.
D02.020.018	2-03A-GC-1421	03A	04/03/1998	REC	---	N	N	Discrepancies that were found were reviewed by civil engineering and the support was found to be acceptable for service.
D02.020.019	2-03A-H10	03A	02/18/1998	CLR	---	N	N	Unit in operation.
D02.020.020	2-03A-H10	03A	02/26/1998	REC	---	N	N	Discrepancies that were found were reviewed by civil engineering and the support was found to be acceptable for service. Work Order # 98040453 was written to correct problems.

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D02.020.023	2-03A-H11	03A	02/26/1998	REC	---	N	N	Unit in operation. Discrepancies were reviewed by civil engineering and found to be acceptable for service.
D02.020.032	2-03A-H23	03A	02/13/1998	CLR	---	N	N	Unit in operation.
D02.020.039	2-03A-H33A	03A	02/16/1998	CLR	---	N	N	Welded attachment acceptable. Unit in operation.
D02.020.040	2-03A-H37	03A	02/17/1998	REC	---	N	N	Unit in operation. Discrepancies were reviewed by civil engineering and found to be acceptable for service.
D02.020.050	2-03A-H9	03A	02/26/1998	REC	---	N	N	Unit in operation. Discrepancies were reviewed by civil engineering and found to be acceptable for service.
D02.020.052	2-03A-JEJ-0701	03A	03/04/1998	REC	---	N	N	Unit in operation. Discrepancies that were found were reviewed by civil engineering and the support was found to be acceptable for service.
D02.020.057	2-03A-RL-0800	03A	02/18/1998	REC	---	N	N	Unit in operation. Discrepancies were reviewed by civil engineering and found to be acceptable for service.
D02.020.066	2-03A-SR19	03A	02/18/1998	CLR	---	N	N	Welds are shown on sketch 2-03A-SR18.
D02.020.067	2-03A-SR2	03A	02/18/1998	REC	---	N	N	Unit in operation. Welded attachment OK. Discrepancies that were found were reviewed by civil engineering and the support was found to be acceptable for service.
D02.020.068	2-03A-SR20	03A	02/17/1998	REC	---	N	N	Unit in operation. Discrepancies that were found were reviewed by civil engineering and the support was found to be acceptable for service. Work order 98047654 was written to correct problems.
D02.020.078	2-03A-SR29	03A	02/16/1998	CLR	---	N	N	Unit in operation.
D02.020.083	2-03A-SR32	03A	02/16/1998	CLR	---	N	N	Unit in operation.
D02.020.084	2-03A-SR33	03A	02/19/1998	CLR	---	N	N	Unit in operation.
D02.020.085	2-03A-SR34	03A	02/17/1998	CLR	---	N	N	Unit in operation.
D02.020.093	2-03A-SR41	03A	02/10/1998	CLR	---	N	N	Unit in operation.
D02.020.103	2-07A-DE055	07A	02/16/1998	CLR	---	N	N	Unit in operation.
D02.020.106	0-13-H7041	13	02/18/1998	CLR	---	N	N	Welded attachment acceptable.
F01.010.001	2-51A-H12B	51A	03/28/1998	REC	---	N	N	Discrepancies that were found were reviewed by civil engineering and the support was found to be acceptable for

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F01.011.005	2-53A-H24C	53A	03/28/1998	REC	---	N	N	service. Work Order # 98017929 was written to correct problems. Discrepancies that were found were reviewed by civil engineering and the support was found to be acceptable for service. Work Order # 98019546 was written to correct problem.
F01.012.004	2-51A-H1A	51A	03/29/1998	CLR	---	N	N	
F01.012.009	2-50-RCPM-2A1-SS1	50	03/21/1998	CLR	---	N	N	
F01.020.005	2-03-H1B	03	03/26/1998	REC	---	N	N	Work Order 98029743 was written to tighten loose nut at rear bracket.
F01.020.008	2-14B-H18C	14B	04/22/1998	REC	---	N	N	Discrepancies that were found were reviewed by civil engineering and the support was found to be acceptable for service. Work Order # 98040454 was written to correct problems.
F01.020.018	2-51A-H187	51A	02/26/1998	REC	---	N	N	Discrepancies that were found were reviewed by civil engineering and the support was found to be acceptable for service. Work Order # 98039784 was written to correct problems.
F01.020.020	2-51A-SR58	51A	04/16/1998	REP	---	N	N	Discrepancies that were found were reviewed by civil engineering and the support was found to be inoperable. PIP 2-098-2511 was written to document this finding. Additional samples were not required to be added to the ISI Plan because the problem that was found was not service induced.
F01.020.023	2-53B-DE019	53B	03/02/1998	REC	---	N	N	Unit in operation. Discrepancies that were found were reviewed by civil engineering and the support was found to be acceptable for service. Work order# 98045441 was written to correct problem.
F01.020.031	2-53B-H60	53B	02/26/1998	CLR	---	N	N	Unit in operation.
F01.020.036	2-54A-H15	54A	02/26/1998	CLR	---	N	N	Unit in operation.
F01.020.045	2-51-H142	51B	03/26/1998	REC	---	N	N	Discrepancies that were found were reviewed by civil engineering and the support was found to be acceptable for service.
F01.021.004	2-14B-H1	14B	04/02/1998	REC	---	N	N	Discrepancies that were found were reviewed by civil engineering and the support was found to be acceptable for service. Work Order # 98045198 was written to correct problems.
F01.021.010	2-14B-H2	14B	04/02/1998	REC	---	N	N	Discrepancies that were found were reviewed by civil engineering and the support was found to be acceptable for service. Work Order # 98045203 was written to correct problems.
F01.021.015	2-51A-H19C	51A	04/02/1998	REC	---	N	N	Discrepancies were reviewed by civil engineering and found to be acceptable for service.
F01.021.027	2-56-DE001	56	02/23/1998	REC	---	N	N	Unit in operation. Discrepancies that were found were reviewed by civil

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F01.021.030	2-51B-DE009	51B	02/26/1998	REC	---	N	N	engineering and the support was found to be acceptable for service.
F01.022.003	2-01A-H24	01A	02/19/1998	REC	---	N	N	Discrepancies that were found were reviewed by civil engineering and the support was found to be acceptable for service. Work Order # 98039796 was written to correct problems.
F01.022.012	2-53A-H19	53A	03/03/1998	REC	---	N	N	Discrepancies that were found were reviewed by civil engineering and the support was found to be acceptable for service. Work Order # 98046181 was written to correct problems.
F01.022.014	2-53B-EMO-H50	53B	03/03/1998	REC	---	N	N	Unit in operation. Work Order 98027069 was written to remove paint.
F01.022.018	2-53B-H71	53B	03/03/1998	REC	---	N	N	Discrepancies that were found were reviewed by civil engineering and the support was found to be acceptable for service.
F01.030.001	0-13-H7024	13	02/23/1998	REC	---	N	N	Unit in operation.
F01.030.009	2-03A-GC-0804	03A	02/18/1998	REC	---	N	N	Discrepancies that were found were reviewed by civil engineering and the support was found to be acceptable for service.
F01.030.014	2-03A-H23	03A	02/26/1998	REC	---	N	N	Unit in operation. Discrepancies that were found were reviewed by civil engineering and the support was found to be acceptable for service. Work Order # 98040451 was written to correct problems.
F01.030.019	2-03A-JG-1101	03A	02/18/1998	REC	---	N	N	Discrepancies that were found were reviewed by civil engineering and the support was found to be acceptable for service.
F01.030.031	2-14B-DE154	14B	03/16/1998	REC	---	N	N	Discrepancies that were found were reviewed by civil engineering and the support was found to be acceptable for service.
F01.030.037	2-57-NWIX	57	03/24/1998	REC	---	N	N	Discrepancies that were found were reviewed by civil engineering and the support was found to be acceptable for service. Work Order # 98037266 was written to correct problems.
F01.031.005	2-03-H52	03	04/18/1998	REC	---	N	N	Discrepancies that were found were reviewed by civil engineering and the support was found to be acceptable for service. Work Order # 98039785 was written to correct problems.

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F01.031.010	2-03A-SR2	03A	04/07/1998	REC	---	N	N	Discrepancies that were found were reviewed by civil engineering and the support was found to be acceptable for service.
F01.031.018	2-14B-DE107	14B	03/03/1998	REC	---	N	N	Unit in operation. Discrepancies that were found were reviewed by civil engineering and the support was found to be acceptable for service. Work order# 98045443 was written to correct problem.
F01.032.004	2-03A-H45	03A	04/24/1998	REC	---	N	N	Discrepancies that were found were reviewed by civil engineering and the support was found to be acceptable for service.
F01.040.008	2-CTK-UST-A		03/19/1998	REC	---	N	N	Discrepancies that were found were reviewed by civil engineering and the support was found to be acceptable for service.
F01.040.010	2-EFDW-PT		03/21/1998	CLR	---	N	N	
F01.040.014	2-PEN-ROOM-FAN		03/21/1998	CLR	---	N	N	
F01.040.022	2-RCSR-COOLER 2A		03/21/1998	CLR	---	N	N	Note: Light corrosion on Southwest support bolt but no degradation.
F01.050.001	2-03-R12	03	03/28/1998	CLR	---	N	N	
F01.050.002	2-03-R7	03	02/09/1998	CLR	---	N	N	Unit in operation.
F01.050.003	2-03-H4087	03	02/09/1998	CLR	---	N	N	Unit in operation.
F01.050.004	2-01A-R14	01A	02/19/1998	REC	---	N	N	Unit in operation. Discrepancies were reviewed by civil engineering and found to be acceptable for service.
F01.050.005	2-01A-R15	01A	02/19/1998	REC	---	N	N	Unit in operation. Discrepancies that were found were reviewed by civil engineering and the support was found to be acceptable for service.
F01.050.006	2-01A-R16	01A	02/19/1998	REC	---	N	N	Unit in operation. Discrepancies were reviewed by civil engineering and found to be acceptable for service. Work Order# 98038569 was written to correct discrepancies.
F01.050.007	2-01A-R2-1	01A	03/28/1998	CLR	---	N	N	
F01.050.008	2-01A-R2-2	01A	03/28/1998	REC	---	N	N	Unit in operation. Discrepancies were reviewed by civil engineering and found to be acceptable for service.
F01.050.009	2-01A-R9-2	01A	03/28/1998	REC	---	N	N	Discrepancies were reviewed by civil engineering and found to be acceptable for service.
F01.050.010	2-01A-R9-3	01A	03/28/1998	REC	---	N	N	Discrepancies that were found were reviewed by civil engineering and the support was found to be acceptable for

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F01.050.011	2-01A-R9-4	01A	03/28/1998	REC	---	N	N	service. Discrepancies were reviewed by civil engineering and found to be acceptable for service. Work order# 98035621 was written to correct the discrepancies.
F01.050.012	2-53-H3	53	04/02/1998	REC	---	N	N	Discrepancies that were found were reviewed by civil engineering and the support was found to be acceptable for service. Work Order # 98036929 was written to correct problems.
F01.050.013	2-50-H12	50	04/02/1998	REC	---	N	N	Discrepancies were reviewed by civil engineering and found to be acceptable for service. Work Order# 98042045 was written to correct discrepancies.
F01.050.014	2-51A-H2A	51A	03/19/1998	CLR	---	N	N	
F01.050.015	2-03-H6B	03	03/27/1998	CLR	---	N	N	
F01.050.016	2-03-H7A	03	03/27/1998	CLR	---	N	N	
F01.050.017	2-03A-H1B	03A	03/28/1998	REC	---	N	N	Discrepancies that were found were reviewed by civil engineering and the support was found to be acceptable for service.
F01.050.018	2-50-H10	50	03/19/1998	CLR	---	N	N	
F01.050.019	2-50-H11	50	03/19/1998	CLR	---	N	N	
F01.050.020	2-50-H8	50	03/25/1998	REC	---	N	N	Work Order 98029747 was written to adjust and tighten clamp bolting.
F01.050.021	2-50-H9	50	03/20/1998	REC	---	N	N	Discrepancies that were found were reviewed by civil engineering and the support was found to be acceptable for service.
F01.050.022	2-01A-H2A	01A	03/28/1998	REC	---	N	N	Discrepancies that were found were reviewed by civil engineering and the support was found to be acceptable for service. Work Order # 98037003 was written to correct problems.
F01.050.023	2-01A-H2B	01A	03/28/1998	CLR	---	N	N	
F01.050.024	2-01A-H8A	01A	03/28/1998	REC	---	N	N	Discrepancies that were found were reviewed by civil engineering and the support was found to be acceptable for service. Work Order # 98037063 was written to correct problems.
F01.050.025	2-01A-H8B	01A	04/02/1998	CLR	---	N	N	This inspection performed strictly by mirror because of inaccessibility.
F01.050.026	2-50-H1	50	03/19/1998	CLR	---	N	N	
F01.050.027	2-50-H3	50	03/19/1998	CLR	---	N	N	
F01.050.028	2-50-H7	50	03/24/1998	CLR	---	N	N	
F01.050.029	2-57-H15	57	03/20/1998	CLR	---	N	N	
F01.050.030	2-57-H16	57	03/20/1998	REC	---	N	N	Discrepancies that were found were reviewed by civil

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								engineering and the support was found to be acceptable for service.
F01.050.031	2-57-H17	57	03/20/1998	CLR	---	N	N	
F01.050.032	2-57-H20	57	03/20/1998	REC	---	N	N	Snubber was rotated 180 degrees and was no longer in contact with the adjacent snubber. This was acceptable per civil engineering.
F01.050.033	2-57-H21	57	03/20/1998	CLR	---	N	N	
F01.050.034	2-57-H23	57	03/19/1998	REC	---	N	N	Discrepancies were reviewed by civil engineering and found to be acceptable for service.
F01.050.035	2-57-H25	57	03/19/1998	REC	---	N	N	Discrepancies that were found were reviewed by civil engineering and the support was found to be acceptable for service.
F01.050.036	2-57-H7	57	03/19/1998	REC	---	N	N	Discrepancies were reviewed by civil engineering and found to be acceptable for service. Work Order# 98042035 was written to correct discrepancies.
F01.050.037	2-57-H9	57	03/22/1998	CLR	---	N	N	
F01.050.038	2-57-RJP-H0801	57	03/22/1988	REC	---	N	N	Discrepancies were reviewed by civil engineering and found to be acceptable for service. Work Order# 98042332 was written to correct discrepancies.
F01.050.039	2-50-H1A	50	03/22/1998	CLR	---	N	N	
F01.050.040	2-50-H2A	50	04/02/1998	REC	---	N	N	Unit in operation. Discrepancies were reviewed by civil engineering and found to be acceptable for service. Work Order# 98042039 was written to correct discrepancies.
F01.050.041	2-50-H3A	50	03/21/1998	CLR	---	N	N	
F01.050.042	2-03A-SR102	03A	02/17/1998	CLR	---	N	N	
F01.050.043	2-03A-SR103	03A	02/16/1998	REC	---	N	N	Unit in operation. Discrepancies were reviewed by civil engineering and found to be acceptable for service. Work Order# 98041408 was written to correct discrepancies.
F01.050.044	2-03A-SR104	03A	02/16/1998	CLR	---	N	N	ID tag incorrect. Maintenance Engineer notified about ID tag. TJC 3/19/98
F01.050.045	2-03A-SR100	03A	02/17/1998	CLR	---	N	N	
F01.050.046	2-03A-SR101PO	03A	02/10/1998	REC	---	N	N	Unit in operation. Discrepancies were reviewed by civil engineering and found to be acceptable for service.
F01.050.047	2-51A-SR150	51A	02/26/1998	REC	---	N	N	Discrepancies that were found were reviewed by civil

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								engineering and the support was found to be acceptable for service. Work Order # 98039772 was written to correct problems.
F01.050.049	2-01A-H43	01A	02/11/1998	CLR	---	N	N	
F01.050.050	2-01A-H44	01A	02/11/1998	REC	---	N	N	Unit in operation. Discrepancies were reviewed by civil engineering and found to be acceptable for service.
F01.050.051	2-53B-SR100	53B	03/02/1998	REC	---	N	N	Discrepancies that were found were reviewed by civil engineering and the support was found to be acceptable for service.
F01.050.052	2-53B-SR1000	53B	03/04/1998	CLR	---	N	N	
F01.050.053	2-01A-R7	01A	02/19/1998	CLR	---	N	N	
F01.050.054	2-54A-R16	54A	02/23/1998	CLR	---	N	N	
F01.050.055	2-54A-R101	54A	03/02/1998	REC	---	N	N	Unit in operation. Discrepancies were reviewed by civil engineering and found to be acceptable for service. Work order 97065747-01 was written to correct the problems.
F01.050.056	2-54A-R2B	54A	03/02/1998	CLR	---	N	N	
F01.050.057	2-01A-R17	01A	02/10/1998	REC	---	N	N	Unit in operation. Discrepancies were reviewed by civil engineering and found to be acceptable for service. Work Order# 98038574 was written to correct discrepancies.
F01.050.058	2-01A-R18	01A	02/10/1998	CLR	---	N	N	
F01.050.059	2-01A-R21	01A	02/18/1998	CLR	---	N	N	
F01.050.060	2-01A-R22	01A	02/18/1998	REC	---	N	N	Unit in operation. Discrepancies were reviewed by civil engineering and found to be acceptable for service.
F01.050.061	2-01A-R6	01A	02/19/1998	REC	---	N	N	Unit in operation. 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	02/18/1998	REC	---	N	N	Unit in operation. Discrepancies were reviewed by civil engineering and found to be acceptable for service.
F01.050.063	2-53B-SR1000	53B	03/02/1998	REC	---	N	N	Unit in operation. Discrepancies were reviewed by civil engineering and found to be acceptable for service. Work Order# 97065747-01 was written to correct discrepancies.
F01.050.064	2-13-SR1	13	02/18/1998	REC	---	N	N	Unit in operation. Discrepancies were reviewed by civil engineering and found to be

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								acceptable for service. Work Order# 98039758 was written to correct discrepancies.
F01.050.065	2-13-SR4	13	02/18/1998	CLR	---	N	N	
F01.050.066	2-07A-DE039	07A	02/17/1998	REC	---	N	N	Unit in operation. Discrepancies that were found were reviewed by civil engineering and the support was found to be acceptable for service. Work order# 98027076 was written to correct problem.
F01.050.067	2-03-R13	03	02/09/1998	CLR	---	N	N	
F01.050.068	2-03A-DE034	03A	02/12/1998	CLR	---	N	N	
F01.050.069	2-03A-H4088	03A	02/12/1998	REC	---	N	N	Unit in operation. Discrepancies that were found were reviewed by civil engineering and the support was found to be acceptable for service.
F01.050.070	2-01A-R11	01A	02/23/1998	CLR	---	N	N	
F01.050.071	2-01A-R4	01A	02/12/1998	CLR	---	N	N	
F01.050.072	2-01A-R6	01A	03/27/1998	CLR	---	N	N	
F01.050.073	2-01A-DE076	01A	02/19/1998	CLR	---	N	N	
F01.050.074	2-01A-DE077	01A	02/18/1998	REC	---	N	N	Unit in operation. Discrepancies were reviewed by civil engineering and found to be acceptable for service.
F01.050.075	2-51A-H184	51A	02/23/1998	CLR	---	N	N	
F01.050.076	2-51A-H167	51A	02/23/1998	CLR	---	N	N	
F01.050.077	2-01A-DE060	01A	04/15/1998	REC	---	N	N	Discrepancies that were found were reviewed by civil engineering and the support was found to be acceptable for service. Work Order# 98040955 was written to correct problem.
F01.050.078	2-01A-DE061	01A	04/15/1998	REC	---	N	N	Discrepancies were reviewed by civil engineering and found to be acceptable for service. Work Order 98040962 was written to correct part of the problem.
F01.050.079	2-01A-R7	01A	03/04/1998	CLR	---	N	N	
F01.050.080	2-01A-R9-1	01A	03/29/1998	REC	---	N	N	Discrepancies were reviewed by civil engineering and found to be acceptable for service.
F01.050.081	2-03A-NPS-H28	03A	03/28/1998	REC	---	N	N	Discrepancies that were found were reviewed by civil engineering and the support was found to be acceptable for service. Work Order # 98037041 was written to correct problems.
F01.050.082	2-03-H6103	03	03/28/1998	CLR	---	N	N	
F01.050.083	2-03A-H3A	03A	03/28/1998	CLR	---	N	N	
F01.050.084	2-57-NWIZ	57	03/21/1998	REC	---	N	N	Discrepancies that were found were reviewed by civil engineering and the support was found to be acceptable for

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F01.050.086	2-03A-H121	03A	02/17/1998	CLR	---	N	N	service. Work Order # 98037262 was written to correct problems.
F01.050.087	2-53B-DE063	53B	03/03/1998	CLR	---	N	N	
F01.050.088	2-53B-DE068	53B	02/23/1998	CLR	---	N	N	
F01.050.089	2-53B-DE060	53B	03/03/1998	CLR	---	N	N	
F01.050.090	2-53B-DE070	53B	03/04/1998	CLR	---	N	N	
F01.050.091	2-53B-DE056	53B	03/04/1998	CLR	---	N	N	
F01.050.092	2-01A-R19	01A	02/16/1998	REC	---	N	N	Unit in operation. Discrepancies were reviewed by civil engineering and found to be acceptable for service.
F01.050.093	2-01A-R27	01A	02/17/1998	CLR	---	N	N	
F01.050.094	2-53B-DE057	53B	03/03/1998	CLR	---	N	N	
F01.050.095	2-07A-H60	07A	02/16/1998	REC	---	N	N	Discrepancies that were found were reviewed by civil engineering and the support was found to be acceptable for service.
F01.050.096	2-07A-H61	07A	02/16/1998	REC	---	N	N	Unit in operation. Discrepancies that were found were reviewed by civil engineering and the support was found to be acceptable for service.
F01.050.097	2-07A-H62	07A	02/16/1998	REC	---	N	N	Unit in operation. Discrepancies that were 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	03/21/1998	CLR	---	N	N	
F01.050.099	2-50-RCPM-2A1-SS2	50	03/21/1998	REC	---	N	N	Discrepancies were reviewed by civil engineering and found to be acceptable for service. Work Order# 98008182 was written to correct discrepancies.
F01.050.100	2-50-RCPM-2A1-SS3	50	03/24/1998	CLR	---	N	N	
F01.050.101	2-50-RCPM-2A2-SS1	50	03/23/1998	CLR	---	N	N	
F01.050.102	2-50-RCPM-2A2-SS2	50	03/23/1998	CLR	---	N	N	
F01.050.103	2-50-RCPM-2A2-SS3	50	03/23/1998	REC	---	N	N	Discrepancies that were found were reviewed by civil engineering and the support was found to be acceptable for service.
F01.050.104	2-50-RCPM-2B1-SS1	50	03/23/1998	REC	---	N	N	Discrepancies were reviewed by civil engineering and found to be acceptable for service. Work Order# 98008224 was written to correct discrepancies.
F01.050.105	2-50-RCPM-2B1-SS2	50	03/23/1998	REC	---	N	N	Discrepancies were reviewed by civil engineering and found to be

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								acceptable for service.
F01.050.106	2-50-RCPM-2B1-SS3	50	03/22/1998	CLR	---	N	N	
F01.050.107	2-50-RCPM-2B2-SS1	50	04/20/1998	CLR	---	N	N	
F01.050.108	2-50-RCPM-2B2-SS2	50	04/20/1998	CLR	---	N	N	
F01.050.109	2-50-RCPM-2B2-SS3	50	04/20/1998	CLR	---	N	N	
G01.001.001	2-RCP-2A1	50	04/22/1998	CLR	---	N	N	
G01.001.002	2-RCP-2A2	50	04/09/1998	CLR	---	N	N	
G01.001.003	2-RCP-2B1	50	04/20/1998	CLR	---	N	N	
G01.001.004	2-RCP-2B2	50	04/15/1998	CLR	---	N	N	
G02.001.005A	2-PDA1-46	50	04/12/1998	CLR	---	N	N	
G02.001.005B	2-PDA2-46	50	04/12/1998	CLR	---	N	N	
G02.001.005C	2-PDB1-46	50	04/12/1998	CLR	---	N	N	
G02.001.005D	2-PDB2-46	50	04/12/1998	CLR	---	N	N	
G02.001.006A	2-PDA1-11	50	04/12/1998	CLR	---	N	N	
G02.001.006B	2-PDA2-11	50	04/12/1998	CLR	---	N	N	
G02.001.006C	2-PDB1-11	50	04/12/1998	CLR	---	N	N	
G02.001.006D	2-PDB2-11	50	04/12/1998	CLR	---	N	N	
G02.001.007A	2-PDA1-47	50	03/28/1998	CLR	---	N	N	
G02.001.007B	2-PDA2-47	50	03/28/1998	CLR	---	N	N	
G02.001.007C	2-PDB1-47	50	03/28/1998	CLR	---	N	N	
G02.001.007D	2-PDB2-47	50	03/28/1998	CLR	---	N	N	
G02.001.008A	2RC-204-18	50	03/27/1998	CLR	---	N	N	
G02.001.008B	2RC-203-2	50	03/27/1998	REC	---	Y	N	
G02.001.008C	2RC-202-1	50	03/28/1998	CLR	---	N	N	
G02.001.008D	2RC-205-1	50	03/28/1998	CLR	---	N	N	
G02.001.010A	2RC-204-20	50	03/27/1998	CLR	---	N	N	
G02.001.010B	2RC-203-3	50	03/27/1998	CLR	---	N	N	
G02.001.010C	2RC-202-3	50	03/28/1998	CLR	---	N	N	
G02.001.010D	2RC-205-3	50	03/28/1998	CLR	---	N	N	
G02.001.011A	2A1 THERM-SLEEVE	50	03/29/1998	CLR	---	N	N	
G02.001.011B	2A2 THERM-SLEEVE	50	04/01/1998	REC	---	N	N	1" max. gap - nozzle side of expansion area. PIP # 2-0-98-1653
G02.001.011C	2B1 THERM-SLEEVE	50	04/01/1998	REC	---	N	N	9/16" max. gap - pipe side of expansion area. PIP # 2-0-98-1653
G02.001.011D	2B2 THERM-SLEEVE	50	03/28/1998	CLR	---	N	N	
G09.001.004	2-51A-17-25	51A	03/02/1998	CLR	---	N	N	
G09.001.009	2LP-143-60	53B	02/24/1998	CLR	---	N	N	

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G09.001.010	2LP-143-65	53B	03/02/1998	CLR	---	N	N	
G09.001.011	2-53B-19-100	53B	03/03/1998	CLR	---	N	N	
G09.001.017	2-53B-26-58	53B	02/24/1998	CLR	---	N	N	
G09.001.034	2-54A-5-40	54A	02/24/1998	CLR	---	N	N	
G10.001.004	2-PHB-13	50	03/24/1998	CLR	---	N	N	
G10.001.005	2-PHB-14	50	03/29/1998	CLR	---	N	N	
G10.001.006	2-PHB-15	50	03/24/1998	CLR	---	N	N	
G12.001.001	2-51B-18-24	51B	03/25/1998	CLR	---	N	N	
G12.001.007	2-51B-21-93	51B	03/02/1998	CLR	---	N	N	
G12.001.008	2-51B-22-103	51B	03/25/1998	CLR	---	N	N	
G12.001.013	2-51B-24-11	51B	03/02/1998	CLR	---	N	N	

5.2 Limited examinations (i.e., less than 90% of the required examination coverage obtained) identified during Outage 16 are shown below. A copy of the Requests for Relief are contained in Section 9.0 of this report

<u>Item Number</u>	<u>Request for Relief Serial Number</u>
B03.110.001	98-01
B03.110.006	98-03
B03.110.007	98-03
B03.110.008	98-03
B03.120.006	98-03
B03.120.007	98-03
B03.120.008	98-03

6.0 Reportable Indications

Outage 16 had 1 reportable item.

An indication was identified by VT-3 examination on item number F01.020.020 (support # 2-51A-SR58). The support discrepancies were reviewed by Civil Engineering and the support was declared inoperable. PIP # 2-O98-2511 was written to document the problems found with this support. Additional samples were not required to be added to the ISI Plan for outage 16 because the problems that were identified were not service induced. A copy of PIP # 2-O98-2511 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 May 8, 1996 to May 24, 1998 at Oconee Nuclear Station, Unit 2, were certified in accordance with the requirements of 1989 Edition of ASME Section XI with no addenda. 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 2-O98-2511 was originated to document a discrepancy found during a VT-3 examination of piping support # 2-51A-SR58 (item # F01.020.020). Civil Engineering declared the support inoperable. Inspection of additional samples were not required because the discrepancies found were not service induced. A copy of PIP 2-O98-2511 is located in Section 9 of this report.

PIP 2-O98-1653 was written to document recordable indications identified during RT examination of item numbers G02.001.011B and G02.001.011C. A copy of PIP 2-O98-1653 is located in Section 9 of this report.

9.0 Reference Documents

The following reference documents apply to the inservice inspection performed during Outage 16 at Oconee 2.

Letter dated June 1, 1998 to inform the NRC of our intent to use Code Case N-481

Code Case N-481

Evaluation of Reactor Coolant Pump 2A1 performed by Structural Integrity Associates, Inc.

Duke Power Company Request for Relief # 95-GO-03

Duke Power Company Request for Relief # ONS-004

Duke Power Company Request for Relief # ONS-005

Duke Power Company Request for Relief # 98-01

Duke Power Company Request for Relief # 98-03

Duke Power Company Problem Investigation Process Report 2-O98-1653

Duke Power Company Problem Investigation Process Report 2-O98-2511



Duke Power Company
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W. R. McCollum, Jr.
Vice President

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June 1, 1998

U.S. Nuclear Regulatory Commission
Document Control Desk
Washington, DC 20555

Subject: Duke Power Company
Oconee Nuclear Station, Unit 2
Docket No. 50-270
Third Ten-Year Inservice Inspection Interval
Unit 2 EOC 16 Inservice Inspection
Use of NRC Approved Code Case

This is to inform you that Duke Energy Corporation has elected to apply ASME Code Case N-481 to Reactor Coolant Pump 2A1 during Oconee Unit 2 End of Cycle 16 Refueling Outage, in lieu of inservice inspection requirements of pressure retaining welds of pump casings (Category B-L-1) as delineated in Table IWB-2500-1 of ASME Boiler and Pressure Vessel Code, Section XI.

ASME Code Case N-481 has been listed in Regulatory Guide 1.147, "Inservice Inspection Code Case Acceptability ASME Section XI Division 1" as being approved by the NRC for use in Inservice Inspections.

In accordance with the provisions of ASME Code Case N-481, an evaluation to demonstrate the safety and serviceability of the pump casing was performed. A report containing the details of this evaluation will be included in the Oconee Unit 2, End of Cycle 16 Refueling Outage, Inservice Inspection Report when it is submitted to the NRC.


U. S. Nuclear Regulatory Commission

June 1, 1998

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If there are any questions or further information is needed you may contact R. P. Todd at (864) 885-3418.

Very truly yours,



W. R. McCollum, Jr.
Site Vice President

xc:

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Office of Nuclear Reactor Regulation
U. S. Nuclear Regulatory Commission
Washington, DC 20555

Mr. L. A. Reyes
Regional Administrator, Region II
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Senior NRC Resident Inspector
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Mr. Max Batavia
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U. S. Nuclear Regulatory Commission

June 1, 1998

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CASES OF ASME BOILER AND PRESSURE VESSEL CODE

Approval Date: March 5, 1990

See Numerical Index for expiration
and any reaffirmation dates.

Case N-481
Alternative Examination Requirements for Cast
Austenitic Pump Casings
Section XI, Division 1

Inquiry: When conducting examination of cast austenitic pump casings in accordance with Section XI, Division 1, what examinations may be performed in lieu of the volumetric examinations specified in Table IWB-2500-1, Examination Category B-L-1, Item B12.10?

Reply: It is the opinion of the Committee that the following requirements shall be met in lieu of performing the volumetric examination specified in Table IWB-2500-1, Examination Category B-L-1, Item B12.10:

(a) Perform a VT-2 visual examination of the exterior of all pumps during the hydrostatic pressure test required by Table IWB-2500-1, Category B-P.

(b) Perform a VT-1 visual examination of the external surfaces of the weld of one pump casing.

(c) Perform a VT-3 visual examination of the internal surfaces whenever a pump is disassembled for maintenance.

(d) Perform an evaluation to demonstrate the safety and serviceability of the pump casing. The evaluation shall include the following:

(1) evaluating material properties, including fracture toughness values;

(2) performing a stress analysis of the pump casing;

(3) reviewing the operating history of the pump;

(4) selecting locations for postulating flaws;

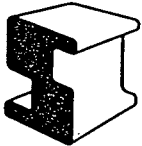
(5) postulating one-quarter thickness reference flaw with a length six times its depth;

(6) establishing the stability of the selected flaw under the governing stress conditions;

(7) considering thermal aging embrittlement and any other processes that may degrade the properties of the pump casing during service.

(e) A report of this evaluation shall be submitted to the regulatory and enforcement authorities having jurisdiction at the plant site for review.

ASME Code Case N-481
Evaluation of Oconee Unit 2
Reactor Coolant Pump 2A1



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