

INSERVICE INSPECTION PLAN

Duke Power Company Oconee Nuclear Station Unit 2 Sixteenth Refueling Outage



50-270

9808250237

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: Larry C. Keith Date 7-27-98
Reviewed By: R. C. Roune / R. L. Rhyme Date 7/27/98
Approved By: Go 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:

[illegible]

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 Jim Barlow
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

M. B. Chapman 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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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> |
|------------------------|---|---|
| | <i>Reactor Vessel</i> | |
| 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 |
| | <i>Pressurizer</i> | |
| B06.060 | Bolts and Studs | 0 |
| B06.070 | Flange Surface, (when connection disassembled) | 0 |
| B06.080 | Nuts , Bushings and Washers | 0 |
| | <i>Steam Generators</i> | |
| B06.090 | Bolts and Studs | NA |
| B06.100 | Flange Surface, (when connection disassembled) | NA |
| B06.110 | Nuts , Bushings and Washers | NA |
| | <i>Heat Exchangers</i> | |
| 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 |

Examination Category B-G-2

Pressure Retaining Bolting, 2" and
Less in Diameter

| <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> |
|------------------------|---|---|
| | <i>Pumps</i> | |
| 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 |
| | <i>Valves</i> | |
| 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> |
|------------------------|--|---|
| | <i>Reactor Vessel</i> | |
| B13.010 | Vessel Interior (B-N-1) | 1 |
| | <i>Reactor Vessel (PWR)</i> | |
| 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> |
|------------------------|-----------------------|---|
| | <i>Reactor Vessel</i> | |
| 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 |
| <i>TOTALS</i> | | 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 |
| <i>TOTALS</i> | | 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> |
|--------------------|--------------------------------|-------------------------------------|
| | <i>Pressure Vessels</i> | |
| C03.010 | Integrally Welded Attachments | 0 |
| | <i>Piping</i> | |
| C03.020 | Integrally Welded Attachments | 13 |
| | <i>Pumps</i> | |
| C03.030 | Integrally Welded Attachments | 0 |
| | <i>Valves</i> | |
| 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> |
|--------------------|----------------------|-------------------------------------|
| | <i>Pumps</i> | |
| C06.010 | Pump Casing Welds | NA |
| | <i>Valves</i> | |
| 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

| Examination Category | Description | Inspections Required | Inspections Completed | Percentage Completed | ⁴Deferral Allowed |
|-----------------------------|---|---------------------------------------|------------------------------|-----------------------------|-------------------------------------|
| B-A | Pressure Retaining Welds in Reactor Vessel | 8 Welds | 2.5 Welds | 31% | Yes |
| B-B | Pressure Retaining Welds in Vessels Other than Reactor Vessel | 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

| Examination Category | Description | Inspections Required | Inspections Completed | Percentage Completed | ⁵ Deferral Allowed |
|-------------------------------|---|---------------------------------------|------------------------------|-----------------------------|--------------------------------------|
| 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**DUKE ENERGY CORPORATION
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06/09/1998**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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| 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 |
| | Circumferential | OM-1201-456 | NDE-640 | | | 6.187 | | Between W & X Axis. |
| 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 |
| | Circumferential | OM-1201-456 | NDE-640 | | | 6.187 | | Between Z & Y Axis. |
| 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 |
| | Circumferential | OM-1201-456 | NDE-640 | | | 6.187 | | Between W & Z Axis. |
| 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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Pressurizer

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

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****DUKE ENERGY CORPORATION
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| ITEM NUMBER | ID NUMBER | ISO/DWG NUMBERS | PROC | INSP REQ | MAT/SCH | DIA/THK | CAL BLOCKS | COMMENTS |
|-------------|-----------|-----------------|------|----------|---------|---------|------------|----------|
|-------------|-----------|-----------------|------|----------|---------|---------|------------|----------|

****** 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**DUKE ENERGY CORPORATION
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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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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 |
|--|-----------------|-------------------------|---------|----------|---------|----------------|------------|--|
| **** 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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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 |
|--------------|-----------------|-------------------------|---------|----------|---------|----------------|------------|--|
| 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
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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 |
|-----------------------------|-----------------|-------------------------|---------|----------|---------|----------------|------------|--|
| 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 | | | | | | |

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| ITEM NUMBER | ID NUMBER | ISO/DWG NUMBERS | PROC | INSP REQ | MAT/SCH | DIA/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
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| 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 | | QAL-13 | VT-1 | CS | 9.750 | | Reactor Vessel Closure Washers and Bushings. Stud Holes 27 Thru 36. |
| | | B&W152009E | | | | 0.000 | | |
| Class A | | | | | | | | |
| <hr/> | | | | | | | | |
| Total B06.050 Items: | | 1 | | | | | | |

**CATEGORY B-G-1, Pressure Retaining
Bolting, Greater than 2" In Diameter**DUKE ENERGY CORPORATION
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06/09/1998**Pumps**

| ITEM NUMBER | ID NUMBER | ISO/DWG NUMBERS | PROC | INSP REQ | MAT/SCH | DIA/THK | CAL BLOCKS | COMMENTS |
|---|------------------|-----------------|--------|----------|---------|---------|------------|--|
| **** Flange Surface, when connection dissassembled **** | | | | | | | | |
| 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 dissassembled). |
| | | 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**

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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 | 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
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06/09/1998****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 B&W152006E | 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 | | | | | | | | |
| B07.080.002 | 2-RPV-CRD-RINGS | DPS 706599-1056 OM-201-2248 B&W152006E | 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 | | | | | | | | |
| <hr/> | | | | | | | | |
| Total B07.080 Items: | | 2 | | | | | | |
| Total B07 Items: | | 4 | | | | | | |

**CATEGORY B-J, Pressure Retaining Welds In
Piping**
**DUKE ENERGY CORPORATION
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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. |
| Class A | Circumferential | OFD-102A-2.2 | | Pipe to Elbow | | 1.000 | | |
| B09.011.004A | 2-53A-8-12 | 2-53A-8(1) | NDE-35 | PT | SS | 10.000 | | |
| Class A | Circumferential | OFD-102A-2.2 | | Pipe to Elbow | | 1.000 | | |
| 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. |
| Class A | Circumferential | OFD-102A-2.3 | | Pipe to Elbow | | 1.000 | | |
| B09.011.016A | 2-53A-9-5 | 2-53A-9 | NDE-35 | PT | SS | 10.000 | | |
| Class A | Circumferential | OFD-102A-2.3 | | Pipe to Elbow | | 1.000 | | |
| 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. |
| Class A | Circumferential | OFD-101A-2.4 | | Valve 2HP-194 to Pipe | | 0.531 | | |
| B09.011.018A | 2-51A-30-1 | 2-51A-30 | NDE-35 | PT | SS | 4.000 | | |
| Class A | Circumferential | OFD-101A-2.4 | | Valve 2HP-194 to Pipe | | 0.531 | | |
| B09.011.029 | 2-PIB2-1 | ISI-OCN2-010 | NDE-600 | UT | CS | 33.500 | | TERMINAL END Reference Request for Relief 95-GO-03 for calibration block. |
| Class A | Circumferential | OM-1201-966 | | Nozzle Steam Gen. 2B to Pipe Pc. 67 | | 2.330 | | |
| B09.011.029A | 2-PIB2-1 | ISI-OCN2-010 | NDE-25 | MT | CS | 33.500 | | TERMINAL END |
| Class A | Circumferential | OM-1201-966 | | Nozzle Steam Gen. 2B to Pipe Pc. 67 | | 2.330 | | |
| | Term end | | | | | | | |

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 |
|-----------------------------|------------------------|-----------------|---------|----------|--|--------|------------|--|
| 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 | | | | | | |

Total B09.021 Items: 6

CATEGORY B-J, Pressure Retaining Welds In PipingDUKE 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 |
|---------------------------|-------------|-----------------|---------|--------------------------------|---------|---------|------------|--|
| **** 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. |
| Branch | | B&W149768E | | | | 2.875 | | |
| Class A | Stress weld | | | Nozzle Pc.25 to Pipe Pc. 32 | | | | |
| B09.031.001A | 2-PHB-16 | ISI-OCN2-006 | NDE-25 | MT | CS | 23.000 | | |
| Branch | | B&W149768E | | | | 2.875 | | |
| Class A | Stress weld | | | Nozzle Pc.25 to Pipe Pc. 32 | | | | |
| Total B09.031 Items: | | 2 | | | | | | |
| Total B09 Items: | | 20 | | | | | | |

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

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Pumps

| ITEM NUMBER | ID NUMBER | ISO/DWG NUMBERS | PROC | INSP REQ | MAT/SCH | DIA/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 CasingsDUKE 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 |
|-----------------------|------------------|-----------------|--------|----------|---------|---------|-----------------------------|--|
| **** Pump Casing **** | | | | | | | | |
| B12.020.001 | 2-RCP-2A1-CASING | ISI-OCN2-007 | QAL-14 | VT-3 | SS | 68.000 | | Reactor Coolant Pump 2A1 casing internal surfaces. (Inspect only if pump is disassembled for maintenance purposes, repair, etc). |
| | | OM-1201D-0005 | | | | 0.000 | | |
| Class A | | OM-1201-0001 | | | | | Casing Internal Surfaces to | |
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CATEGORY B-M-2, Valve BodiesDUKE ENERGY CORPORATION
QUALITY ASSURANCE TECHNICAL SERVICES
Inservice Inspection Database Management SystemPlan Report
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06/09/1998**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 | Valve (Internal Surfaces) to | |
| | | | | | | | | |
| 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 | Valve (Internal Surfaces) to | |
| | | | | | | | | |
| Total B12.050 Items: | | 2 | | | | | | |
| Total B12 Items: | | 4 | | | | | | |

CATEGORY B-N-1, Interior of Reactor Vessel

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

Oconee 2

Inservice Inspection Plan for Interval 3 Outage 2

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Reactor Vessel

| 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 | | QAL-14 | VT-3 | SS | 0.000 | | Reactor Vessel Internal Surfaces |
| | | B&W152008E | | | | 0.000 | | |
| | Class A | ISI-OCN2-001 | | | | | | |
| <hr/> | | | | | | | | |
| Total B13.010 Items: | | 1 | | | | | | |
| Total B13 Items: | | 1 | | | | | | |

CATEGORY C-B, Pressure Retaining Nozzle**Welds In Vessels**

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

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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 | DI/THK | 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 | | | | |
| <hr/> | | | | | | | | |
| Total C02.033 Items: | | 2 | | | | | | |
| Total C02 Items: | | 2 | | | | | | |

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

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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 | 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**

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

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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**

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

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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 |
|---------------------------------------|------------------|-----------------|---------|----------|------------------|---------|------------|---|
| **** 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 |
| | Circumferential | OM-201-0473 | | | | 0.531 | | Pc. 1. TERMINAL END |
| 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 |
| | Circumferential | OM-201-0473 | | | | 0.531 | | Pc. 1. TERMINAL END |
| 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 |
| | Circumferential | OFD-101A-2.4 | | | | 0.531 | | block. |
| 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 |
| | Circumferential | OFD-101A-2.3 | | | | 0.531 | | block. |
| 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 | DIA/THK | CAL BLOCKS | COMMENTS |
|--------------|-----------------|-----------------|---------|----------------------|---------|---------|------------|---|
| C05.021.031 | 2-51A-17-158 | 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 | | | | Elbow to Elbow | | | | |
| C05.021.031A | 2-51A-17-158 | 2-51A-17 (7) | NDE-35 | PT | SS | 4.000 | | |
| | Circumferential | OFD-101A-2.3 | | | | 0.531 | | |
| Class B | | | | Elbow to Elbow | | | | |
| C05.021.032 | 2-51A-27-25 | 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 | | | | |
| C05.021.032A | 2-51A-27-25 | 2-51A-27 (1) | NDE-35 | PT | SS | 4.000 | | |
| | Circumferential | OFD-101A-2.4 | | | | 0.531 | | |
| Class B | | | | Elbow to Pipe | | | | |
| C05.021.033 | 2HP-220-9 | 2HP-220 | NDE-600 | UT | SS | 4.000 | | Reference Request for Relief 95-GO-03 for calibration block. |
| | Circumferential | OFD-101A-2.4 | | | | 0.674 | | This weld was listed previously as 2-51A-27-41AA until iso 2-51A-27(1) was redrawn. |
| Class B | | | | Valve 2HP-27 to Pipe | | | | |
| C05.021.033A | 2HP-220-9 | 2HP-220 | NDE-35 | PT | SS | 4.000 | | This weld was listed previously as 2-51A-27-41AA until iso 2-51A-27(1) was redrawn. |
| | Circumferential | OFD-101A-2.4 | | | | 0.674 | | |
| Class B | | | | Valve 2HP-27 to Pipe | | | | |
| C05.021.034 | 2HP-220-14 | 2HP-220 | NDE-600 | UT | SS | 4.000 | | Reference Request for Relief 95-GO-03 for calibration block. |
| | Circumferential | OFD-101A-2.4 | | | | 0.674 | | This weld was listed previously as 2-51A-27-41C until iso 2-51A-27(1) was redrawn. |
| Class B | | | | Tee to Pipe | | | | |
| C05.021.034A | 2HP-220-14 | 2HP-220 | NDE-35 | PT | SS | 4.000 | | This weld was listed previously as 2-51A-27-41C until iso 2-51A-27(1) was redrawn. |
| | Circumferential | OFD-101A-2.4 | | | | 0.674 | | |
| Class B | | | | 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**DUKE ENERGY CORPORATION
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06/09/1998**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**

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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 | DIATHK | 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 \geq 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) | NDE-600 | UT | CS | 36.000 | | Reference Request for Relief 95-GO-03 for calibration block. |
| | Circumferential | OFD-122A-2.1 | | | | 1.164 | | |
| Class B | | | | Reducing Y Fitting to Elbow | | | | |
| C05.051.001A | 2-01A-4-17 | 2-01A-4 (1) | NDE-25 | MT | CS | 36.000 | | |
| | Circumferential | OFD-122A-2.1 | | | | 1.164 | | |
| Class B | | | | Reducing Y Fitting to Elbow | | | | |
| C05.051.009 | 2-01A-5-35 | 2-01A-5 (4) | NDE-600 | UT | CS | 24.000 | | S/G 2B Main Steam Nozzle to Reducer weld. TERMINAL END. Reference Request for Relief 95-GO-03 for calibration block. |
| | Circumferential | OFD-122A-2.1 | | | | 0.969 | | |
| Class B | Term end | | | Nozzle S/G 2B to Reducer | | | | |
| C05.051.009A | 2-01A-5-35 | 2-01A-5 (4) | NDE-25 | MT | CS | 24.000 | | S/G 2B Main Steam Nozzle to Reducer weld. TERMINAL END |
| | Circumferential | OFD-122A-2.1 | | | | 0.969 | | |
| Class B | Term end | | | Nozzle S/G 2B to Reducer | | | | |
| C05.051.010 | 2-01A-5-36 | 2-01A-5 (4) | NDE-600 | UT | CS | 24.000 | | S/G 2B Main Steam Nozzle to Reducer weld. TERMINAL END. Reference Request for Relief 95-GO-03 for calibration block. |
| | Circumferential | OFD-122A-2.1 | | | | 0.969 | | |
| Class B | Term end | | | Nozzle S/G 2B to Reducer | | | | |
| C05.051.010A | 2-01A-5-36 | 2-01A-5 (4) | NDE-25 | MT | CS | 24.000 | | S/G 2B Main Steam Nozzle to Reducer weld. TERMINAL END |
| | Circumferential | OFD-122A-2.1 | | | | 0.969 | | |
| Class B | Term end | | | Nozzle S/G 2B to Reducer | | | | |
| C05.051.015 | 2-03A-10-61 | 2-03A-10 | NDE-600 | UT | CS | 6.000 | | Reference Request for Relief 95-GO-03 for calibration block. |
| | Circumferential | OFD-121D-2.1 | | | | 0.562 | | |
| Class B | | | | Tee to Pipe | | | | |
| C05.051.015A | 2-03A-10-61 | 2-03A-10 | NDE-25 | MT | CS | 6.000 | | |
| | Circumferential | OFD-121D-2.1 | | | | 0.562 | | |
| Class B | | | | Tee to Pipe | | | | |

**CATEGORY C-F-2, Pressure Retaining Welds
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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 |
|--------------|-----------------|-----------------|---------|------------------|---------|---------|------------|--|
| 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 | | | | 0.750 | | |
| | | | | Elbow to Reducer | | | | |
| C05.051.020A | 2-03-18-3 | 2-03-18 (1) | NDE-25 | MT | CS | 14.000 | | |
| Class B | Circumferential | OFD-121B-2.3 | | | | 0.750 | | |
| | | | | Elbow to Reducer | | | | |
| 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 | | | | 0.750 | | |
| | | | | Pipe to Tee | | | | |
| C05.051.021A | 2-03-18-35 | 2-03-18 (2) | NDE-25 | MT | CS | 14.000 | | |
| Class B | Circumferential | OFD-121B-2.3 | | | | 0.750 | | |
| | | | | Pipe to Tee | | | | |
| 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 | | | | 0.750 | | |
| | | OM-1201-451 | | Pipe to Pipe Cap | | | | |
| C05.051.023A | 2-03-20-WG91-D | 2-03-20 | NDE-25 | MT | CS | 14.000 | | |
| Class B | Circumferential | OFD-121B-2.3 | | | | 0.750 | | |
| | | OM-1201-451 | | Pipe to Pipe Cap | | | | |

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,
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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 | 1-0-1439C | QAL-14 | VT-3 | NA | 6.000 | File Number = OSC-459; Problem Number = 2-03A-06, Sht 3 of 4; Emergency Feedwater Bypass Line |
| | Rigid Restraint | OFD-121D-2.1 | | | | 0.312 | |
| Class C | | | | | | | |
| D02.020.052 | 2-03A-JEJ-0701 | 0-437B | QAL-14 | VT-3 | NA | 6.000 | File Number = OSC-450, Page No. 105; Problem Number = 2-03A-09; EFW Crossover |
| | Rigid Restraint | OFD-121D-2.1 | | | | 1.000 | |
| Class C | | | | | | | |
| D02.020.057 | 2-03A-RL-0800 | 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 | | | | 0.500 | |
| Class C | | | | | | | |
| D02.020.066 | 2-03A-SR19 | 1-0-1401A | QAL-14 | VT-3 | NA | 6.000 | 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. |
| | Rigid Restraint | OFD-121D-2.1 | | | | 1.000 | |
| Class C | | | | | | | |
| D02.020.067 | 2-03A-SR2 | 1-0-437B | QAL-14 | VT-3 | NA | 6.000 | File Number = OSC-450, Page No. 105; Problem Number = 2-03A-09; EFW Crossover |
| | Rigid Restraint | OFD-121D-2.1 | | | | 0.500 | |
| Class C | | | | | | | |
| D02.020.068 | 2-03A-SR20 | 1-0-400B | QAL-14 | VT-3 | NA | 6.000 | File Number = OSC-450; Problem Number = 2-03A-09 PAGE NO. 107 EFW CROSSOVER |
| | Rigid Restraint | OFD-121D-2.1 | | | | 0.750 | |
| Class C | | | | | | | |
| D02.020.078 | 2-03A-SR29 | 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 | | | | | | | |
| D02.020.083 | 2-03A-SR32 | 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 | | | | | | | |

**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 |
|-----------------------------|-----------------|-----------------|--------|----------|---------|---------|------------|---|
| D02.020.084 | 2-03A-SR33 | 1-0-1400A | QAL-14 | VT-3 | NA | 6.000 | | File Number = OSC-451, Page No. 84A; Problem |
| | Rigid Restraint | OFD-121D-2.1 | | | | 0.500 | | Number = 2-03A-10; Sys 03A |
| Class C | | | | | | | | |
| D02.020.085 | 2-03A-SR34 | 1-0-1400A | QAL-14 | VT-3 | NA | 6.000 | | File Number = OSC-1213; Problem Number = |
| | Rigid Restraint | OFD-121D-2.1 | | | | 1.000 | | 2-03A-12, Sht. 1 of 2; Aux Feedwater Discharge Sys. |
| Class C | | | | | | | | |
| D02.020.093 | 2-03A-SR41 | 1-0-1401B | QAL-14 | VT-3 | NA | 6.000 | | File Number = OSC-449; Problem Number = |
| | Rigid Restraint | OFD-121D-2.1 | | | | 0.500 | | 2-03A-08, Sht. 4 of 6; Emergency Feedwater Bypass |
| Class C | | | | | | | | Line |
| 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. |
| | Rigid Restraint | OFD-121A-2.8 | | | | 1.500 | | 1 OF 3, & 3 OF 3. SYSTEM 07A. |
| Class C | | | | | | | | |
| D02.020.106 | 0-13-H7041 | 0-447B | QAL-14 | VT-3 | NA | 12.000 | | FILE NO. OSC-1224-26 |
| | Rigid Restraint | OFD-133A-2.5 | | | | 1.000 | | PROBLEM NO. 4-14-12 |
| Class C | | | | | | | | SHT.1OF5 AUX.SWP DISCHARGE |
| 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 | DIATHK 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
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Class 2 Weld Connections to Building Structure

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| 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. |
| | Rigid Restraint | OFD-121B-2.3 | | | | 0.280 | | O-1490B-2. |
| Class B | | | | | SWAY STRUT to | | | |
| F01.020.008 | 2-14B-H18C | 0-1479A | QAL-14 | VT-3 | NA | 8.000 | | FILE NO. OSC-1325 |
| | Rigid Restraint | OFD-124B-2.2 | | | | 0.000 | | PROBLEM NO. 2-14-13 VOL.3OF12 |
| Class B | | | | | | | | LP SERVICE WATER |
| F01.020.018 | 2-51A-H187 | 0-1444 | QAL-14 | VT-3 | NA | 4.000 | | FILE NO. OSC-1023 PAGE 48.1 PROBLEM |
| | Rigid Restraint | OFD-101A-2.4 | | | | 0.000 | | NO.2-51-18 |
| Class B | | | | | | | | HPI SYSTEM CROSSOVER LINE |
| F01.020.020 | 2-51A-SR58 | 6-0-435B | QAL-14 | VT-3 | NA | 6.000 | | File Number = OSC-481,Page 143; Problem Number |
| | Rigid Restraint | OFD-101A-2.3 | | | | 0.000 | | = 51-2 |
| 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 |
| | Rigid Restraint | OFD-102A-2.2 | | | | 0.000 | | OF 5. L. P. INJECTION & DECAY HEAT REMOVAL |
| Class B | | | | | | | | SYSTEM 53B. |
| 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 |
| | Rigid Restraint | OFD-102A-2.2 | | | | 0.000 | | 4. FROM L. P. PUMPS "2A" & "2C" TO R. B. & |
| Class B | | | | | | | | BORATED WATER STORAGE TANK SYSTEM "53A" |
| | | | | | | | | & "53B". |
| 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 |
| | Rigid Restraint | OFD-103A-2.1 | | | | 0.125 | | 2. SYSTEM 54A. |
| Class B | | | | | | | | |
| F01.020.045 | 2-51-H142 | 0-436J | QAL-14 | VT-3 | NA | 6.000 | | Calc# OSC-481, Page 142.1 |
| | Rigid Restraint | OFD-101A-2.2 | | | | 0.000 | | Problem# 51-2, sht. 1 of 6 |
| Class B | | | | | | | | |

Total F01.020 Items: 8

CATEGORY F-A, Supports (Category C)**DUKE ENERGY CORPORATION
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06/09/1998****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 | DIATHK | 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 |
| | Spring Hgr | OFD-102A-2.1 | | | | 0.000 | | OF 5. LPI TO DECAY HEAT REMOVAL SYSTEM |
| Class B | | | | | | | | 53B. |
| | | | | | | | | Added to EOC16 per Engineering request. Ref. |
| | | | | | | | | addenda ONS2-025. |
| 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 |
| | Spring Hgr | OFD-102A-2.2 | | | | 0.000 | | OF 5. L. P. INJECTION & DECAY HEAT REMOVAL |
| Class B | | | | | | | | SYSTEM 53B. |

Total F01.022 Items: 4

CATEGORY F-A, Supports (Category A)

DUKE ENERGY CORPORATION
QUALITY ASSURANCE TECHNICAL SERVICES
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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 |
|-----------------------------|-----------------|-----------------|--------|----------|---------|-------------------|--|
| F01.030.001 | 0-13-H7024 | 0-447A | QAL-14 | VT-3 | NA | 12.000 | FILE NO. OSC-1224-25 |
| | Rigid Restraint | OFD-133A-2.5 | | | | 0.000 | PROBLEM NO. 4-13-03 |
| Class C | | | | | | | SHT.1OF1 SUCTION FOR AUX.&DIESEL ENGINE SWP |
| F01.030.009 | 2-03A-GC-0804 | 0-1401A | QAL-14 | VT-3 | NA | 6.000 | File Number = OSC-457; Problem Number = |
| | Rigid Restraint | OFD-121D-2.1 | | | | 0.000 | 2-03A-04 Sht. 1 of 4; Emergengy Feedwater Bypass Line |
| Class C | | | | | | | |
| F01.030.014 | 2-03A-H23 | 1-0-1439A | QAL-14 | VT-3 | NA | 6.000 | File Number = OSC-447, Page No. 107; Problem |
| | Rigid Restraint | OFD-121D-2.1 | | | | 0.000 | Number = 2-03A-05; |
| Class C | | | | | | | |
| F01.030.019 | 2-03A-JG-1101 | 0-1401A | QAL-14 | VT-3 | NA | 6.000 | File Number = OSC-457; Problem Number = |
| | Rigid Restraint | OFD-121D-2.1 | | | | 0.000 | 2-03A-04 Sht. 1 of 4; Emergengy Feedwater Bypass Line. |
| Class C | | | | | | | |
| F01.030.031 | 2-14B-DE154 | 0-1439B | QAL-14 | VT-3 | NA | 8.000 | FILE NO. OSC-475 |
| | Rigid Restraint | OFD-124B-2.2 | | | | 0.187 | PROBLEM NO. 2-14-6 SHT.2OF3 |
| Class C | | | | | | | LPSWATER |
| F01.030.037 | 2-57-NWIX | 0-1480A | QAL-14 | VT-3 | NA | 12.000 | FILE NO. OSC-1332-06, PROBLEM NO. 2-57-01, PG |
| | Rigid Restraint | OFD-107A-2.1 | | | | 0.000 | 14.1. |
| Class C | | | | | | | SWAY STRUT to |
| Total F01.030 Items: | | 6 | | | | | |
| F01.031.005 | 2-03-H52 | 0-1439B | QAL-14 | VT-3 | NA | 24.000 | FILE NO. OS-454, PROBLEM NO. 2-03-01, PG 44. |
| | Rigid Restraint | OFD-121B-2.3 | | | | 0.000 | |
| Class C | | | | | | | SWAY STRUT to |

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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 | DIA/THK | 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 |
| | Rigid Restraint | OFD-121D-2.1 | | | | 0.000 | | Number = 2-03A-05; EFW to Main Feedwater Line. |
| 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 |
| | Rigid Restraint | OFD-121D-1.2 | | | | 0.000 | | OF 9. AUX. SERVICE WATER PIPE. |
| 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 = |
| | Spring Hgr | OFD-121D-2.1 | | | | 0.000 | | 2-03A-08, Sht. 4 of 6; Emergency Feedwater Bypass |
| Class C | | | | | | | | Line |
| Total F01.032 Items: | | 1 | | | | | | |

CATEGORY F-A, SupportsDUKE ENERGY CORPORATION
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Assembly of Supp Items**

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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 |
|-------------|------------------|------------------------------|--------|----------|---------|----------------|------------|---|
| F01.040.008 | 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 |
| 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 |
| 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

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Inservice Inspection Plan for Interval 3 Outage 2

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

CATEGORY F-A, Supports

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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 |
|-------------|-------------|-----------------|--------|----------|---------|---------|------------|--|
| F01.050.009 | 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 | | 0-1490 B-4. |
| Class B | | | | | | | | |

CATEGORY F-A, Supports

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

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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 | DIA/THK | CAL BLOCKS | COMMENTS |
|-------------|-------------|-----------------|--------|----------|---------|---------|------------|--|
| F01.050.025 | 2-01A-H8B | 0-1481A | QAL-14 | VT-3 | NA | 24.000 | | FILE NO. OSC-440 |
| Class B | Hyd Snubber | OFD-122A-2.1 | | | | 0.322 | | PROBLEM NO. 2-01-01 PAGE 40 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 |
| Class A | Hyd Snubber | OFD-100A-2.2 | | | | 0.000 | | NO.2-53-14 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 |
| Class A | Hyd Snubber | OFD-100A-2.2 | | | | 0.154 | | NO.2-53-14 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 |
| Class A | Hyd Snubber | OFD-100A-2.2 | | | | 0.500 | | NO.2-53-14 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 |
| Class B | Hyd Snubber | OFD-100A-2.2 | | | | 0.000 | | NO.2-57-01 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 |
| Class B | Hyd Snubber | OFD-100A-2.2 | | | | 0.000 | | NO.2-57-01 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 |
| Class B | Hyd Snubber | OFD-100A-2.2 | | | | 0.000 | | NO.2-57-01 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 |
| Class B | Hyd Snubber | OFD-100A-2.2 | | | | 0.000 | | NO.2-57-01 PZR RELIEF VLV SYSTEM |

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 |
|-------------|----------------|-----------------|--------|----------|---------|-------------------|--|
| F01.050.033 | 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 | | | | | |

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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 |

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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 | | | | | | | |

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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 |
| | Hyd Snubber | OFD-122A-2.4 | | | | 0.000 | | OF 4. STEAM SUPPLY TO EFWP. |
| 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 |
| | Hyd Snubber | OFD-122A-2.4 | | | | 0.000 | | OF 4. STEAM SUPPLY TO EFWP. |
| 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 |
| | Hyd Snubber | OFD-122A-2.4 | | | | 0.000 | | OF 4. STEAM SUPPLY TO EFWP. |
| 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 |
| | Hyd Snubber | OFD-122A-2.4 | | | | 0.000 | | OF 4. STEAM SUPPLY TO EFWP. |
| 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 |
| | Hyd Snubber | OFD-122A-2.4 | | | | 0.000 | | OF 4. |
| 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 |
| | Hyd Snubber | OFD-102A-2.2 | | | | 0.000 | | 4. FROM L. P. PUMPS "2A" & "2C" TO R. B. & |
| Class B | | | | | | | | BORATED WATER STORAGE TANK SYSTEM "53A" |
| | | | | | | | | & "53B". |
| F01.050.064 | 2-13-SR1 | 7-0-1400B | QAL-14 | VT-3 | NA | 12.000 | | File Number = OS-471; Problem Number = 13-7, SHT. |
| | Hyd Snubber | OFD-133A-2.2 | | | | 0.000 | | 1of 1; Emergency Cooling Water Discharge |
| 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. |
| | Hyd Snubber | OFD-133A-2.2 | | | | 0.000 | | 1of 1; Emergency Cooling Water Discharge |
| Class C | | | | | | | | |

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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 | | | | | | | |

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Inservice Inspection Plan for Interval 3 Outage 2

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

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 | | | | | | | | |

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| ITEM NUMBER | ID NUMBER | ISO/DWG NUMBERS | PROC | INSP REQ | MAT/SCH | DIATHK 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". |
| Class B | Mech Snubber | OFD-102A-2.1 | | | | 0.000 | |
| 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. |
| Class C | Mech Snubber | OFD-122A-2.4 | | | | 0.000 | |
| 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. |
| Class C | Mech Snubber | OFD-122A-2.4 | | | | 0.237 | |
| 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. |
| Class B | Mech Snubber | OFD-102A-2.2 | | | | 0.000 | |
| 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. |
| Class C | Mech Snubber | OFD-121A-2.8 | | | | 0.000 | |
| 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. |
| Class C | Mech Snubber | OFD-121A-2.8 | | | | 0.000 | |
| 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. |
| Class C | Mech Snubber | OFD-121A-2.8 | | | | 0.000 | |
| 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. |
| Class A | Hyd Snubber | OFD-100A-2.1 | | | | 0.000 | |
| | | OFD-100A-2.3 | | | | | |

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, SupportsDUKE ENERGY CORPORATION
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| ITEM NUMBER | ID NUMBER | ISO/DWG NUMBERS | PROC | INSP REQ | MAT/SCH | DIA/THK | 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 |
| | Hyd Snubber | OFD-100A-2.1 | | | | 0.000 | | Motor Snubbers. Reference PIP 0-O96-1575 |
| 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 |
| | Hyd Snubber | OFD-100A-2.1 | | | | 0.000 | | Motor Snubbers. Reference PIP 0-O96-1575. |
| Class A | | OFD-100A-2.3 | | | | | | Inspect with F01.012.012. |
| 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 |
| | Hyd Snubber | OFD-100A-2.1 | | | | 0.000 | | Motor Snubbers. Reference PIP 0-O96-1575 |
| Class A | | OFD-100A-2.3 | | | | | | |
| Total F01.050 Items: | | 107 | | | | | | |
| Total F01 Items: | | 142 | | | | | | |

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Reactor Coolant Pump Flywheel

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| ITEM NUMBER | ID NUMBER | ISO/DWG NUMBERS | PROC | INSP REQ | MAT/SCH | DIATHK | 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 | | | | | | |

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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 0.750 See Commen | 40410 | 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 0.750 See Commen | 40410 | 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 0.750 See Commen | 40410 | 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 0.750 See Commen | 40410 | 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 Circumferential Class A | 2-PDA1-11 | ISI-OCN2-011 B&W146629E OFD-100A-2.1 | NDE-610 | UT | SS-CS | 3.500 0.750 Component | 40416 | 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 |

Make-Up Nozzle, PC 46 to
Safe End

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

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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 |
|--------------|-----------------|--|---------|----------|----------------------------|--------|--------------------|---|
| G02.001.007C | 2-PDB1-47 | ISI-OCN2-013 B&W146629E OFD-100A-2.1 | NDE-960 | UT | SS | 3.500 | Component 0.750 | 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. |
| Class A | | | | | | | | |
| G02.001.007D | 2-PDB2-47 | ISI-OCN2-014 B&W146629E OFD-100A-2.1 | NDE-960 | UT | SS | 3.500 | Component 0.750 | 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. |
| Class A | | | | | | | | |
| G02.001.008A | 2RC-204-18 | 2RC-204 B&W146629E OFD-100A-2.1 | NDE-960 | UT | SS | 2.500 | Component 0.375 | Reference Section 7 of the ISI Plan, Volume 1. Safe End PC 47 adjoining HPI nozzle 2B2. Perform UT on the Safe End base metal (between the nozzle to safe end weld and the safe end to pipe weld). Perform UT examination during outages 16, 18 & 20 for the third interval. This schedule cannot be changed. Check with Engineering prior to scheduling the fourth interval. |
| Class A | Circumferential | | | | | | | |
| | | | | | Safe End, PC 47 to Pipe | | | |
| G02.001.008B | 2RC-203-2 | 2RC-203 B&W146629E OFD-100A-2.1 | NDE-960 | UT | SS | 2.500 | Component 0.375 | 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. |
| Class A | Circumferential | | | | | | | |
| | | | | | Safe End, PC 47 to Pipe | | | |
| G02.001.008B | 2RC-203-2 | 2RC-203 B&W146629E OFD-100A-2.1 | NDE-960 | UT | SS | 2.500 | Component 0.375 | 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. |
| Class A | Circumferential | | | | | | | |
| | | | | | Safe End, PC 47 to Pipe | | | |

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| ITEM NUMBER | ID NUMBER | ISO/DWG NUMBERS | PROC | INSP REQ | MAT/SCH | DIA/THK | CAL BLOCKS | COMMENTS |
|--|------------|---------------------------------------|---------|-----------------------------|---------|----------------|------------|---|
| G02.001.008C Circumferential Class A | 2RC-202-1 | 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 Circumferential Class A | 2RC-205-1 | 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 Circumferential Class A | 2RC-204-20 | 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 Circumferential Class A | 2RC-203-3 | 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 Circumferential Class A | 2RC-202-3 | 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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Inservice Inspection Plan for Interval 3 Outage 2

| ITEM NUMBER | ID NUMBER | ISO/DWG NUMBERS | PROC | INSP REQ | MAT/SCH | DIATHK | CAL BLOCKS | COMMENTS |
|--|------------------|--|---------|----------|---------|----------------|------------|---|
| G02.001.010D Circumferential Class A | 2RC-205-3 | 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-205-3 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. |
| G02.001.011A Circumferential Class A | 2A1 THERM-SLEEVE | 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 Circumferential Class A | 2A2 THERM-SLEEVE | 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 Circumferential Class A | 2B1 THERM-SLEEVE | 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 Circumferential Class A | 2B2 THERM-SLEEVE | 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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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 | DIA/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. |
| Class A | Circumferential | OM-1201-1521 | | | | 2.875 | | |
| | 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. |
| Class A | Circumferential | OM-1201-1521 | | | | 2.875 | | |
| | 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. |
| Class A | Circumferential | OM-1201-1521 | | | | 2.875 | | |
| | 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. |
| Class B | Circumferential | OFD-101A-2.2 | | Elbow to Valve 2HP23 | | 0.120 | | |
| 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. |
| Class B | Circumferential | OFD-101A-2.1 | | Valve 2HP71 to Elbow | | 0.120 | | |
| 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. |
| Class B | Circumferential | OFD-101A-2.2 | | Elbow to Pipe | | 0.120 | | |
| 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. |
| Class B | Circumferential Term end | OFD-101A-2.1 | | Elbow to Nozzle | | 0.120 | | |
| 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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| ITEM NUMBER | ID NUMBER | SYSTEM | INSP DATE | INSP STATUS | INSP LIMITED | GEO REF | RFR | COMMENTS |
|--------------|-----------------|--------|------------|-------------|--------------|---------|-----|--|
| 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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| ITEM NUMBER | ID NUMBER | SYSTEM | INSP DATE | INSP STATUS | INSP LIMITED | GEO REF | RFR | COMMENTS |
|--------------|-------------------|--------|------------|-------------|--------------|---------|-----|---|
| 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 | Note: Light corrosion but no apparent cross sectional reduction. |
| B07.080.001 | 2-RPV-CRD-BOLTS | 50 | 04/20/1998 | CLR | --- | N | N | 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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| ITEM NUMBER | ID NUMBER | SYSTEM | INSP DATE | INSP STATUS | INSP LIMITED | GEO REF | RFR | COMMENTS |
|--------------|-------------------|--------|------------|-------------|--------------|---------|-----|--|
| 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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| ITEM NUMBER | ID NUMBER | SYSTEM | INSP DATE | INSP STATUS | INSP LIMITED | GEO REF | RFR | COMMENTS |
|--------------|------------------|--------|------------|-------------|--------------|---------|-----|--|
| 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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| ITEM NUMBER | ID NUMBER | SYSTEM | INSP DATE | INSP STATUS | INSP LIMITED | GEO REF | RFR | COMMENTS |
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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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| | | | | | | | | engineering and the support was found to be acceptable for service. |
| F01.021.030 | 2-51B-DE009 | 51B | 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 # 98039796 was written to correct problems. |
| 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 # 98046181 was written to correct problems. |
| F01.022.012 | 2-53A-H19 | 53A | 03/03/1998 | REC | --- | N | N | Unit in operation. |
| F01.022.014 | 2-53B-EMO-H50 | 53B | 03/03/1998 | REC | --- | N | N | 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. |
| | | | | | | | | Unit in operation. |
| | | | | | | | | 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. Discrepancies that were found were reviewed by civil engineering and the support was found to be acceptable for service. |
| F01.030.009 | 2-03A-GC-0804 | 03A | 02/18/1998 | REC | --- | N | N | Discrepancies were reviewed by civil engineering and 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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| ITEM NUMBER | ID NUMBER | SYSTEM | INSP DATE | INSP STATUS | INSP LIMITED | GEO REF | RFR | COMMENTS |
|-------------|---------------|--------|------------|-------------|--------------|---------|-----|---|
| | | | | | | | | 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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| ITEM NUMBER | ID NUMBER | SYSTEM | INSP DATE | INSP STATUS | INSP LIMITED | GEO REF | RFR | COMMENTS |
|-------------|-------------------|--------|------------|-------------|--------------|---------|-----|---|
| 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 | Discrepancies that were found were reviewed by civil engineering and the support was found to be acceptable for service. |
| F01.050.094 | 2-53B-DE057 | 53B | 03/03/1998 | CLR | --- | N | N | |
| F01.050.095 | 2-07A-H60 | 07A | 02/16/1998 | REC | --- | N | N | |
| 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 | Discrepancies were reviewed by civil engineering and found to be acceptable for service. Work Order# 98008182 was written to correct discrepancies. |
| F01.050.099 | 2-50-RCPM-2A1-SS2 | 50 | 03/21/1998 | REC | --- | N | N | |
| F01.050.100 | 2-50-RCPM-2A1-SS3 | 50 | 03/24/1998 | CLR | --- | N | N | Discrepancies that were found were reviewed by civil engineering and the support was found to be acceptable for service. |
| 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 | |
| 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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| ITEM NUMBER | ID NUMBER | SYSTEM | INSP DATE | INSP STATUS | INSP LIMITED | GEO REF | RFR | COMMENTS |
|--------------|-------------------|--------|------------|-------------|--------------|---------|-----|--|
| | | | | | | | | 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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| ITEM NUMBER | ID NUMBER | SYSTEM | INSP DATE | INSP STATUS | INSP LIMITED | GEO REF | RFR | COMMENTS |
|-------------|--------------|--------|------------|-------------|--------------|---------|-----|----------|
| 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



W. R. McCollum, Jr.
Vice President

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A Duke Energy Company
Oconee Nuclear Site
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Seneca, SC 29679

(864) 885-3107 OFFICE
(864) 885-3564 FAX

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.

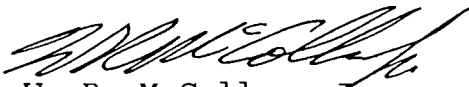
U. S. Nuclear Regulatory Commission

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:

Mr. D. E. LaBarge, Project Manager
Office of Nuclear Reactor Regulation
U. S. Nuclear Regulatory Commission
Washington, DC 20555

Mr. L. A. Reyes
Regional Administrator, Region II
U. S. Nuclear Regulatory Commission

Mr. M. A. Scott
Senior NRC Resident Inspector
Oconee Nuclear Station

Mr. Max Batavia
Bureau of Radiological Health
SC Dept. of Health & Environmental Control
2600 Bull St.
Columbia, SC 29201

U. S. Nuclear Regulatory Commission

June 1, 1998

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bxc:

T. J. Coleman

R. G. Rouse

T. D. Brown

R. P. Todd

D. E. DeMart

J. S. Warren

J. O. Barbour

R. L. Gill EC12R

ELL ECO50

M. B. Chapman

J. C. Shropshire

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;

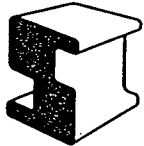
(5) postulating one-quarter thickness reference flaw with a length six times its depth;

(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



Structural Integrity Associates, Inc.

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