

THIRD INTERVAL  
INSERVICE INSPECTION PLAN  
OCONEE NUCLEAR STATION  
UNITS 1,2 & 3

Location: Highway 130/183 Seneca, South Carolina 29679

Commercial Service Date: July 15, 1973 (Unit 1)  
September 9, 1974 (Unit 2)  
December 16, 1974 (Unit 3)  
Third Interval Start Date: July 15, 1994 (Unit 1)  
December 16, 1994 (Unit 2)  
December 16, 1994 (Unit 3)

Owner: Duke Power Company  
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VOLUME 1

REVISION 1

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## 1.0 Applicable Editions and Addenda of ASME Boiler and Pressure Vessel Code Section XI

In accordance with the requirements of Paragraph 50.55a(g) of 10CFR Part 50, the inservice inspection of Units 1,2 & 3 of the Oconee Nuclear Station will be performed in accordance with the 1989 Edition of ASME Section XI, no addenda, (hereafter referred to as Section XI). The examinations will be performed to the extent practicable within the limitations of design, geometry and materials of construction of the component.

### 1.1 Additional Codes and Standards Used

Inspections performed in addition to those required by Section XI are described in Section 7 of this Plan. The following codes and standards apply to these inspections:

- 1.1.1 Reactor coolant pump flywheels will be inspected as required by the Technical Specifications for Oconee Nuclear Station.
- 1.1.2 Steam generator tubing will be inspected as required by ASME Section XI and the Technical Specifications for Oconee Nuclear Station.
- 1.1.3 Reactor vessel welds will be inspected in accordance with USNRC Regulatory Guide 1.150, Revision 1, to the extent committed by Duke Power Company.
- 1.1.4 Augmented examinations on certain systems or components will be performed in accordance with other editions or addenda of ASME Section XI, as identified in the governing commitment.

### 1.2 Code Cases Applicable to the ASME Boiler and Pressure Code Section XI

The following code cases will be used for the Third Interval Inservice Inspection Program at Oconee Units 1,2 & 3 :

- 1.2.1 **Code Case N-307-1:** "Revised Ultrasonic Examination Volume For Class 1 Bolting, Table IWB-2500-1, Examination Category B-G-1, When The Examinations Are Conducted From The Center-Drilled Hole." (This code case is approved for use under Regulatory Guide 1.147, Revision 10.)
- 1.2.2 **Code Case N-416:** "Alternate Rules for Hydrostatic Testing of Repair or Replacement of Class 2 Piping". (This code case is approved for use under Regulatory Guide 1.147, Revision 10.)

- 1.2.3 **Code Case N-427:** "Code Case In Inspection Plans". (This code case is approved for use under Regulatory Guide 1.147, Revision 10.)
- 1.2.4 **Code Case N-457:** "Qualification Specimen Notch Location For Ultrasonic Examination of Bolts and Studs". (This code case is approved for use under Regulatory Guide 1.147, Revision 10.)
- 1.2.5 **Code Case N-460:** "Alternative Examination Coverage For Class 1 and Class 2 Welds". (This code case is approved for use under Regulatory Guide 1.147, Revision 10.)
- 1.2.6 **Code Case N-461:** "Alternative Rules For Piping Calibration Block Thickness". (This code case is approved for use under Regulatory Guide 1.147, Revision 10, with condition that thickness measurements and weld joint contour of the pipe/component must be known and used by the inspector who conducts the UT Examination.)
- 1.2.7 **Code Case N-463-1:** "Evaluation Procedures and Acceptance Criteria for Flaws In Class 1 Ferritic Piping That Exceed The Acceptance Standards Of IWB-3514.2". (This code case is approved for use under Regulatory Guide 1.147, Revision 10.)
- 1.2.8 **Code Case N-491:** "Alternative Rules For Examination of Class 1, 2, 3 and MC Component Supports of Light Water Cooled Power Plants Section XI, Division 1". (This code case has been approved for use under Regulatory Guide 1.147, Revision 10.)
- 1.2.9 **Code Case N-498:** "Alternative Rules For Ten Year Hydrostatic Pressure Testing For Class 1 and 2 Systems". (This code case is approved for use under Regulatory Guide 1.147, Revision 10.)

### 1.3 **Applicable Duke Power Administrative Procedures**

The following Duke Power procedures will be used to control preservice and inservice inspection activities and inservice inspection plans and reports:

PROCEDURE NO.

TITLE

NSD-701	"Records Management"
NSD-702	"Document Control"
QA-513	"Control of Inservice Inspection Plans and Reports"
QA-514	"Procedure For Discrepancies Found During Inservice Inspection Visual Examination Of Supports "
QA-516	"Evaluation of ISI Indications"
QAL-5	"Control Of Preservice And Inservice Inspection Activities"

## 2.0 System Boundaries Subject to Inspection

The boundaries of Class 1 and 2 non-exempt systems are shown on system flow diagrams listed in Volume 2 (Appendix B) for Unit 1, Volume 3 (Appendix B) for Unit 2 and Volume 4 (Appendix B) for Unit 3. Unless otherwise noted, systems designated as Class A are equivalent to Class 1, Class B is equivalent to Class 2, and Class C is equivalent to Class 3. The Class 1, 2 and 3 Pressure Test boundaries are distributed as controlled drawings to the station for the performance of the required pressure tests.

### 2.1 Class 1 Components Exempted From Volumetric and Surface Examinations

- 2.1.1 Components that are connected to the reactor coolant system and part of the reactor coolant pressure boundary, and that are of such a size and shape so that upon postulated rupture the resulting flow of coolant from the reactor coolant system under normal plant operating conditions is within the capacity of make up systems which are operable from on site emergency power, as allowed by Section XI, paragraph IWB-1220(a).
- 2.1.2 Piping of NPS 1" and smaller, except for steam generator tubing, as allowed by Section XI, paragraph IWB-1220(b)(1).
- 2.1.3 Components and their connections in piping of NPS 1" and smaller, as allowed by Section XI, paragraph IWB-1220(b)(2).
- 2.1.4 Reactor vessel head connections and associated piping, NPS 2" and smaller, made inaccessible by control rod drive penetrations, as allowed by Section XI, paragraph IWB-1220(c).

### 2.2 Class 2 Components Within RHR, ECC, and CHR Exempt From Volumetric and Surface Examination

- 2.2.1 Vessels, piping, pumps, valves, and other components NPS 4" and smaller in all systems except high pressure safety injection systems, as allowed by Section XI, Paragraph IWC-1221(a).
- 2.2.2 Vessels, piping, pumps, valves, and other components NPS 1<sup>1</sup>/<sub>2</sub>" and smaller in high pressure safety injection systems, as allowed by Section XI, Paragraph IWC-1221(b).
- 2.2.3 Component connections NPS 4" and smaller (including nozzles, socket fittings, and other connections) in vessels, piping, pumps, valves, and other components of any size in all systems except high pressure safety injection systems, as allowed by Section XI, Paragraph IWC-1221(c).



- 2.2.4 Component connections NPS 1<sup>1</sup>/<sub>2</sub>" and smaller (including nozzles, socket fittings, and other connections) in vessels, piping, pumps, valves, and other components of any size in high pressure safety injection systems, as allowed by Section XI, Paragraph IWC-1221(d).
- 2.2.5 Vessels, piping, pumps, valves, other components, and component connections of any size in statically pressurized, passive (i.e., no pumps) safety injection systems, as allowed by Section XI, Paragraph IWC-1221(e).
- 2.2.6 Piping and other components of any size beyond the last shutoff valve in open ended portions of systems that do not contain water during normal plant operation, as allowed by Section XI, Paragraph IWC-1221(f).
- 2.3 **Class 2 Components Within Systems Other Than RHR, ECC, And CHR Exempted From Volumetric and Surface Examination**
- 2.3.1 Vessels, piping, pumps, valves, and other components NPS 4" and smaller, as allowed by Section XI, paragraph IWC-1222(a).
- 2.3.2 Component connections NPS 4" and smaller (including nozzles, socket fittings, and other connections) in vessels, piping, pumps, valves, and other components of any size, as allowed by Section XI, Paragraph IWC-1222(b).
- 2.3.3 Vessels, piping, pumps, valves, other components, and component connections of any size in systems or portions of systems that operate (when the system function is required) at a pressure equal to or less than 275 psig and at a temperature equal to or less than 200 ° F, as allowed by Section XI, Paragraph IWC-1222(c).
- 2.3.4 Piping and other components of any size beyond the last shutoff valve in open ended portions of systems that do not contain water during normal plant operating conditions, as allowed by Section XI, Paragraph IWC-1222(d).

2.4 **Concrete Encased Components**

Piping support members and piping support components that are encased in concrete shall be exempted from examination requirements, as allowed by Section XI, Paragraph IWC-1230.

2.5 **Class 3 Items Exempt From Examination**

2.5.1 Integral attachments of supports and restraints to components that are NPS 4" and smaller within the system boundaries of Examination Category D-A, D-B, and D-C of Table IWD-2500-1 except for PWR Auxiliary Feedwater Systems, as allowed by Section XI, Paragraph IWD-1220.1.

2.5.2 Integral attachments of supports and restraints to components exceeding NPS 4" provided:

- (a) The components are located in systems (or portions of systems) whose function is not required in support of reactor residual heat removal, containment heat removal, and emergency core cooling; and
- (b) The components operate at a pressure of 275 psig or less and at a temperature of 200°F or less, as allowed by Section XI, Paragraph IWD-1220.2.

2.5.3 Open ended vent and drain lines from components extending beyond the last shutoff valve and open ended safety or relief valve discharge lines are exempt from hydrostatic testing.

## 2.6 Examination Boundaries

The flow diagrams listed in Volume 2 (Appendix B) for Unit 1 ; Volume 3 (Appendix B ) for Unit 2 and Volume 4 (Appendix B) for Unit 3, are color-coded to identify the inspection required on each portion of the system. The code used is described below:

Red	Class 1 system, not exempted
Yellow	Class 2 system, not exempted
Green	Class 3 System, not exempted
Blue	System exempt from examination

The original marked-up flow diagrams are maintained in the General Office. Controlled copies will be issued upon request.

## 2.7 Inspection Interval and Inspection Periods

### Inspection Interval:

The Third Inspection Interval start and end dates for Oconee Units 1,2 and 3 are as follows: are as follows:

Oconee Unit 1	07/15/1994-07/15/2003
Oconee Unit 2:	12/16/1994-09/09/2004
Oconee Unit 3:	12/16/1994-12/16/2004

These dates were transmitted to the U.S. Nuclear Regulatory Commission by letter dated July 21, 1993 by J.W. Hampton, Oconee Site Vice President.

**Inspection Periods:**

The Third Inspection Interval Period dates for Oconee Units 1,2 and 3 are as shown in Volume 2,3 and 4; Appendix "A", Sheet 1 of 1. This information also includes the corresponding Refueling Outage Numbers.

### 3.0 Inspection Methods and Procedures to Be Used for Inservice Inspection

Inservice inspection of Oconee Units 1,2 & 3 will be performed using procedures which comply with the requirements of the applicable codes referenced in Section 1 of this plan. Volumetric, surface, visual, and pressure testing methods of inspection will be used as required. Each inspection will be performed under the QA Program of the organization performing the inspection.

A specific examination procedure is referenced for each inspection method listed in Section 8 of this Plan. Procedures beginning with "ISI" are found in the Babcock and Wilcox Inservice Inspection Manual for Oconee Nuclear Station. All other procedures are found in the Duke Power Company Procedure Manuals.

#### 3.1 Volumetric Inspection

Volumetric inspection will be performed by the manual and/or automated ultrasonic methods, except in some cases where ultrasonic methods are not practical. Radiographic examinations will be used in these cases in lieu of ultrasonic examinations. Inspection of reactor vessel welds will be performed using an automated ultrasonic inspection device.

Steam generator tubing will be examined using eddy current inspection methods as outlined in the Oconee Technical Specifications.

#### 3.2 Surface Inspection

Surface inspection will be performed using either the liquid penetrant or magnetic particle method. The liquid penetrant method will be used for all surface inspections on austenitic steels and may also be used on ferritic steel. The magnetic particle method will only be used on ferritic steel.

#### 3.3 Visual Inspection

Inservice visual inspections will be performed using direct methods where practical. Remote visual examinations may be used in some cases.

#### 3.4 Pressure Testing Program

As allowed by Code Case N-498, an alternate to a ten year hydrostatic test, may be used for Class 1 and 2 components. For Class 1, a System Leakage Test (IWB-5221) may be used as an alternate method to a System Hydrostatic Test (IWB-5222). For Class 2, a System Pressure Test (IWC-5221) may be used as an alternate method to a System Hydrostatic Test (IWC-5222). Hydrostatic Item Numbers will continue to be used as a tracking medium although the testing procedure will be that of a Leakage or Pressure Test. Code Case N-498 may not be used when Code Case N-416 is used.

The Inservice Inspection Plan shall include all requirements and schedules necessary for examinations. The schedules will be updated following each refueling outage to reflect changes required and/or allowed by the Code.

The flow diagrams used for pressure testing are color coded to identify the inspection boundary. The code used is shown below:

Red	Class 1 Pressure Retaining Components
Yellow	Class 2 Pressure Retaining Components
Green	Class 3 Pressure Retaining Components
Magenta	Components exempt from examination

The following is a list of flow diagrams that identify the pressure test inspection boundaries for Oconee Unit 1 for the Third Inspection Interval: The flow diagram revision number provides a baseline for the development of the pressure testing portion of the ISI Plan. As such, the revision numbers listed will not be updated as each flow diagram is revised.

<u>System</u>	<u>Drawing No.</u>	<u>Revision</u>	<u>Class 1</u>	<u>Class 2</u>	<u>Class 3</u>
Reactor Coolant	OFD-100A-1.1	12	X		
Reactor Coolant	OFD-100A-1.2	8	X		
Reactor Coolant	OFD-100A-1.3	3	X		X
High Pressure Injection	OFD-101A-1.1	17	X	X	X
High Pressure Injection	OFD-101A-1.2	9		X	X
High Pressure Injection	OFD-101A-1.3	5		X	X
High Pressure Injection	OFD-101A-1.4	15	X	X	X
High Pressure Injection	OFD-101A-1.5	8	X	X	X
Low Pressure Injection	OFD-102A-1.1	19	X	X	X
Low Pressure Injection	OFD-102A-1.2	13	X	X	X
Low Pressure Injection	OFD-102A-1.3	10	X	X	
Reactor Building Spray	OFD-103A-1.1	3		X	
Spent Fuel Cooling	OFD-104A-1.1	17		X	X
Spent Fuel Cooling	OFD-104A-1.2	5		X	X
Low Pressure Injection	OFD-106A-1.2	5			X
Demineralized Water	OFD-106E-1.1	4		X	
Coolant Storage	OFD-107A-1.1	4		X	
Coolant Storage	OFD-107A-1.2	5		X	
Liquid Waste Disposal	OFD-107B-1.1	4		X	
Low Pressure Injection	OFD-107D-1.2	2		X	
Purification Demineralizers	OFD-109A-1.1	7			X
Chemical Addition	OFD-110A-1.1	15	X	X	X
Chemical Addition	OFD-110A-1.3	2		X	X
Chemical Addition	OFD-110A-1.4	3	X	X	X
Reactor Building Purge	OFD-116A-1.1	3		X	
Reactor Building Hydrogen Purge	OFD-116C-1.1	5		X	

<u>System</u>	<u>Drawing No.</u>	<u>Revision</u>	<u>Class 1</u>	<u>Class 2</u>	<u>Class 3</u>
Condensate	OFD-121A-1.3	6			X
Condensate	OFD-121A-1.7	12			X
Condensate	OFD-121A-1.8	7			X
Feedwater	OFD-121B-1.3	14		X	X
Feedwater	OFD-121B-1.5	13		X	X
Emergency Feedwater	OFD-121D-1.1	13		X	X
Emergency Feedwater	OFD-121D-1.2	8		X	X
Main Steam	OFD-122A-1.1	5		X	
Main Steam	OFD-122A-1.2	8		X	
Main Steam	OFD-122A-1.3	6		X	
Main Steam	OFD-122A-1.4	14		X	X
Main Steam	OFD-122B-1.1	5		X	
Low Pressure Service Water	OFD-124A-1.1	14			X
Low Pressure Service Water	OFD-124A-1.3	12			X
Low Pressure Service Water	OFD-124A-2.3	14			X
Low Pressure Service Water	OFD-124B-1.1	17			X
Low Pressure Service Water	OFD-124B-1.2	7		X	X
Low Pressure Service Water	OFD-124B-1.4	7		X	X
Low Pressure Service Water	OFD-124B-1.5	4			X
Low Pressure Service Water	OFD-124B-2.1	21			X
Low Pressure Service Water	OFD-124C-1.2	9			X
Nitrogen Purge and Blanket	OFD-127B-1.2	12	X	X	
Condenser Circulating Wtr	OFD-133A-1.1	7			X
Condenser Circulating Wtr	OFD-133A-1.2	10			X
Condenser Circulating Wtr	OFD-133A-1.3	4			X
Condenser Circulating Wtr	OFD-133A-1.4	8			X
Condenser Circulating Wtr	OFD-133A-1.5	9			X
Condenser Circulating Wtr	OFD-133A-2.1	6			X
Condenser Circulating Wtr	OFD-133A-2.2	9			X
Condenser Circulating Wtr	OFD-133A-2.5	19			X
Condenser Circulating Wtr	OFD-133A-3.1	8			X
Condenser Circulating Wtr	OFD-133A-3.2	10			X
Condenser Circulating Wtr	OFD-133A-3.4	8			X
Breathing Air	OFD-137A-1.3	0		X	
Instrument Air	OFD-137B-1.2	10		X	
Starting Air	OFD-137D-1.1	2			X
Starting Air	OFD-137D-1.2	3			X
Leak Rate	OFD-137E-1.1	4		X	
Component Cooling	OFD-144A-1.2	6		X	X
Component Cooling	OFD-144A-1.3	4		X	

The following is a list of flow diagrams that identify the pressure test inspection boundaries for Oconee 2 for the Third Inspection Interval: The flow diagram revision number provides a baseline for the development of the pressure testing portion of the ISI Plan. As such, the revision numbers listed will not be updated as each flow diagram is revised.

<u>System</u>	<u>Drawing No.</u>	<u>Revision</u>	<u>Class 1</u>	<u>Class 2</u>	<u>Class 3</u>
Reactor Coolant	OFD-100A-2.1	16	X		
Reactor Coolant	OFD-100A-2.2	8	X		
Reactor Coolant	OFD-100A-2.3	5	X		X
High Pressure Injection	OFD-101A-2.1	19	X	X	X
High Pressure Injection	OFD-101A-2.2	12		X	X
High Pressure Injection	OFD-101A-2.3	7		X	X
High Pressure Injection	OFD-101A-2.4	20	X	X	X
High Pressure Injection	OFD-101A-2.5	8	X	X	X
Low Pressure Injection	OFD-102A-2.1	12	X	X	X
Low Pressure Injection	OFD-102A-2.2	13	X	X	X
Low Pressure Injection	OFD-102A-2.3	4	X	X	
Reactor Building Spray	OFD-103A-2.1	4		X	
Spent Fuel Cooling	OFD-104A-1.1	17		X	
Spent Fuel Cooling	OFD-104A-1.2	5		X	
Low Pressure Injection	OFD-106A-2.2	3			X
Demineralized Water	OFD-106E-2.1	3		X	
Coolant Storage	OFD-107A-2.1	8		X	
Coolant Storage	OFD-107A-2.2	7		X	
Liquid Waste Disposal	OFD-107B-2.1	4		X	
Low Pressure Injection	OFD-107D-2.2	1		X	
Purification Demineralizers	OFD-109A-1.1	7			X
Chemical Addition	OFD-110A-2.1	12	X	X	X
Chemical Addition	OFD-110A-2.3	0		X	
Chemical Addition	OFD-110A-2.4	2	X	X	X
Reactor Building Purge	OFD-116A-2.1	3		X	
Reactor Building Hydrogen Purge	OFD-116C-2.1	3		X	
Condensate	OFD-121A-2.3	6			X
Condensate	OFD-121A-1.8	8			X
Condensate	OFD-121A-2.7	13			X
Condensate	OFD-121A-2.8	8			X
Feedwater	OFD-121B-2.3	13		X	X
Feedwater	OFD-121B-3.3	9			X
Feedwater	OFD-121B-2.5	14		X	X
Emergency Feedwater	OFD-121D-1.1	13			X
Emergency Feedwater	OFD-121D-1.2	8			X
Emergency Feedwater	OFD-121D-2.1	15		X	X
Main Steam	OFD-122A-2.1	6		X	
Main Steam	OFD-122A-2.2	8		X	
Main Steam	OFD-122A-2.3	11		X	
Main Steam	OFD-122A-2.4	11		X	X
Main Steam	OFD-122B-2.1	9		X	
Low Pressure Service Water	OFD-124A-1.1	15			X
Low Pressure Service Water	OFD-124A-2.3	14			X
Low Pressure Service Water	OFD-124B-2.1	25			X
Low Pressure Service Water	OFD-124B-2.2	8		X	X

<u>System</u>	<u>Drawing No.</u>	<u>Revision</u>	<u>Class 1</u>	<u>Class 2</u>	<u>Class 3</u>
Low Pressure Service Water	OFD-124B-2.4	8		X	X
Low Pressure Service Water	OFD-124C-2.2	15			X
Nitrogen Purge and Blanket	OFD-127B-2.2	10	X	X	
Condenser Circulating	OFD-133A-2.1	7			X
Water					
Condenser Circulating	OFD-133A-2.2	10			X
Water					
Condenser Circulating	OFD-133A-2.3	3			X
Water					
Condenser Circulating	OFD-133A-2.5	19			X
Water					
Fuel Oil	OFD-135A-1.2	1			X
Lube Oil	OFD-135B-1.4	2			X
Breathing Air	OFD-137A-2.3	0		X	
Instrument Air	OFD-137B-1.2	10		X	
Leak Rate	OFD-137E-1.1	4		X	
Component Cooling	OFD-144A-2.2	8		X	X
Component Cooling	OFD-144A-2.3	4		X	

The following is a list of flow diagrams that identify the pressure test inspection boundaries for Oconee 3 for the Third Inspection Interval: The flow diagram revision number provides a baseline for the development of the pressure testing portion of the ISI Plan. As such, the revision numbers listed will not be updated as each flow diagram is revised.

Reactor Coolant	OFD-100A-3.1	12	X		
Reactor Coolant	OFD-100A-3.2	7	X		
Reactor Coolant	OFD-100A-3.3	7	X		X
High Pressure Injection	OFD-101A-3.1	12	X	X	X
High Pressure Injection	OFD-101A-3.2	11		X	X
High Pressure Injection	OFD-101A-3.3	7		X	X
High Pressure Injection	OFD-101A-3.4	15	X	X	X
High Pressure Injection	OFD-101A-3.5	6	X	X	X
Low Pressure Injection	OFD-102A-3.1	17	X	X	X
Low Pressure Injection	OFD-102A-3.2	10	X	X	X
Low Pressure Injection	OFD-102A-3.3	5	X	X	
Reactor Building Spray	OFD-103A-3.1	5		X	
Spent Fuel Cooling	OFD-104A-3.1	15		X	
Spent Fuel Cooling	OFD-104A-3.2	9		X	X
Low Pressure Injection	OFD-106A-3.2	6			X
Demineralized Water	OFD-106E-3.1	2		X	
Coolant Storage	OFD-107A-3.1	5		X	
Coolant Storage	OFD-107A-3.2	4		X	
Liquid Waste Disposal	OFD-107B-3.1	3		X	
Low Pressure Injection	OFD-107D-3.2	3		X	



<u>System</u>	<u>Drawing No.</u>	<u>Revision</u>	<u>Class 1</u>	<u>Class 2</u>	<u>Class 3</u>
Purification Demineralizers	OFD-109A-3.1	4			X
Chemical Addition	OFD-110A-3.1	9	X	X	X
Chemical Addition	OFD-110A-3.3	2		X	
Chemical Addition	OFD-110A-3.4	2	X	X	X
Reactor Building Purge	OFD-116A-3.1	3		X	
Reactor Building Hydrogen Purge	OFD-116C-3.1	2		X	
Condensate	OFD-121A-3.3	7			X
Condensate	OFD-121A-1.8	8			X
Condensate	OFD-121A-3.7	17			X
Condensate	OFD-121A-3.8	7			X
Feedwater	OFD-121B-3.3	9		X	X
Feedwater	OFD-121B-3.5	10		X	X
Emergency Feedwater	OFD-121D-1.2	8			X
Emergency Feedwater	OFD-121D-3.1	16		X	X
Main Steam	OFD-122A-3.1	11		X	
Main Steam	OFD-122A-3.2	9		X	
Main Steam	OFD-122A-3.3	9		X	
Main Steam	OFD-122A-3.4	14		X	X
Main Steam	OFD-122B-3.1	6		X	
Low Pressure Service Water	OFD-124A-1.1	15			X
Low Pressure Service Water	OFD-124A-3.3	10			X
Low Pressure Service Water	OFD-124B-3.1	18			X
Low Pressure Service Water	OFD-124B-3.2	8		X	X
Low Pressure Service Water	OFD-124B-3.4	6		X	X
Low Pressure Service Water	OFD-124C-3.2	11			X
Nitrogen Purge and Blanket	OFD-127B-3.2	9	X	X	
Condenser Circulating Water	OFD-133A-3.1	9			X
Condenser Circulating Water	OFD-133A-3.2	11			X
Condenser Circulating Water	OFD-133A-3.3	4			X
Condenser Circulating Water	OFD-133A-3.4	8			X
Condenser Circulating Water	OFD-133A-2.5	19			X
Breathing Air	OFD-137A-3.3	0		X	
Instrument Air	OFD-137B-1.2	10		X	
Component Cooling	OFD-144A-3.2	7		X	X
Component Cooling	OFD-144A-3.3	5		X	

### 3.4.1 Class 1 Components

#### Examination Category B-E :

This test is performed at normal operating temperatures. All partial penetration welds in the control rod drive nozzles and instrumentation nozzles require pressure testing and VT-2 examination during conduct of the system hydrostatic test (IWB-5222).

#### Examination Category B-P:

The Leakage Test (IWB-5221) is performed following opening of the system. This test is performed at normal operating temperature and pressure associated with 100% rated reactor power attained at a rate in accordance with the heat-up limitations specified for the system. This test is required at each refueling outage except when a hydrostatic test is required.

The Hydrostatic Test (IWB-5222) is performed at normal operating temperature in accordance with station procedures. This test is required only once during a ten year interval and is conducted at or near the end of the interval.

### 3.4.2 Class 2 Components

#### Examination Category C-H:

The System Pressure Test (IWC-5221) is made up of two parts - Functional and System Inservice Tests. This test is required once in each inspection period except where a hydrostatic test is required.

- a. A functional test is a pressure test conducted to verify operability of systems or components not required to operate during normal plant operation while under system operating pressure. The components subject to test pressurization shall include only those pressure retaining components within the system boundary pressurized under the test mode required during the performance of a periodic system (or component) functional test.
- b. A system inservice test is a pressure test conducted to perform visual examination (VT-2) while the system is in service under operating pressure.

A hydrostatic test (IWC-5222) is performed at a test pressure of 1.10 times the system pressure for systems with a design temperature of 200°F or less; or a test pressure of 1.25 times the system pressure for systems with a design temperature above

200°F. This test is required only once during a ten year interval and is conducted at or near the end of the interval.

### 3.4.3 Class 3 Components

#### **Examination Category D-A, Systems in Support of Reactor Shutdown Functions:**

The system inservice test (IWD-5221) is a pressure test conducted to perform visual examination (VT-2) while the system is in service under operating pressure. This test is required once in each inspection period, except when a hydrostatic test is required.

The hydrostatic test (IWD-5223) is performed at a test pressure of 1.10 times the system pressure for systems with a design temperature of 200°F or less; or a test pressure of 1.25 times the system pressure for systems with a design temperature above 200°F. This test is required only once during a ten year interval and is conducted at or near the end of the interval.

#### **Examination Category D-B, Systems In Support of Emergency Core Cooling, Containment Heat Removal, Atmosphere Cleanup, and Reactor Residual Heat Removal:**

The functional test (IWD-5222) is a pressure test conducted to verify operability of systems or components not required to operate during normal plant operation while under system operating pressure. The components subject to test pressurization shall include only those pressure retaining components within the system boundary pressurized under the test mode required during the performance of a periodic system (or component) functional test. This test is required once in each inspection period except when a hydrostatic test is required.

The hydrostatic test (IWD-5223) is performed at a test pressure of 1.10 times the system pressure for systems with a design temperature of 200°F or less; or a test pressure of 1.25 times the system pressure for systems with a design temperature above 200°F. This test is required only once during a ten year interval and is conducted at or near the end of the interval.

#### **Examination Category D-C , Systems in Support of Residual Heat Removal from Spent Fuel Storage Pool:**

The system inservice test (IWD-5221) is a pressure test conducted to perform visual examination (VT-2) while the system is in service under operating pressure. This test is required once in each inspection period, except when a hydrostatic test is required.

The hydrostatic test (IWD-5223) is performed at a test pressure of 1.10 times the system pressure for systems with a design temperature of 200°F or less; or a test pressure of 1.25 times the system pressure for systems with a design temperature above 200°F. This test is required only once during a ten year interval and is conducted at or near the end of the interval.

3.5 The inservice testing of pumps (IWP-3000) and valves (I WV-3000) will be addressed under the Oconee Nuclear Station Pump and Valve Inservice Testing Program. The System Engineering Group will be responsible for all testing and reporting under this program.

3.6 The Inservice Testing of Snubbers (IWF-5000) will be addressed under Technical Specification 3.14 for operability and 4.18 for Surveillance. The Component Engineering Group will be responsible for all testing and reporting under this program.

3.7 Inspection Procedures

The following procedures will be used for the inservice inspection of Oconee Units 1,2 & 3 :

<u>PROCEDURE NO.</u>	<u>TITLE</u>
ISI-138	"Remote Ultrasonic Examination For Reactor Vessel and Associated Piping Welds Using ACCUSONEX"
NDE-12	"General Radiography Procedure for Preservice and Inservice Inspection"
NDE-25	"Magnetic Particle Examination"
NDE-35	"Liquid Penetrant Examination"
NDE-600	"Ultrasonic Examination of Similar Metal Piping Welds in Wrought Ferritic and Austenitic Material"
NDE-610	"Ultrasonic Examination of Piping Welds Using Refracted Longitudinal Waves"
NDE-620	"Ultrasonic Examination of Welds in Wrought Ferritic Pressure Vessels Greater than 2 Inches in Thickness"
NDE-630	"Ultrasonic Examination of Welds in Wrought Ferritic and Austenitic Pressure Vessels 2 Inches in Thickness and Under"

<u>PROCEDURE NO.</u>	<u>TITLE</u>
NDE-640	"Straight Beam Ultrasonic Examination of Welds and Base Material in Pressure Vessels and Piping"
NDE-650	"Ultrasonic Examination of Reactor Pressure Vessel Flange-to-Shell Welds"
NDE-660	"Ultrasonic Examination of Reactor Pressure Vessel Closure Head Welds"
NDE-670	"Ultrasonic Sizing of Planar Flaws in Ferritic and Austenitic Steels"
NDE-680	"Ultrasonic Examination of Nozzle Inner Radii in Ferritic Pressure Vessels"
NDE-900	"Ultrasonic Examination of Reactor Coolant Pump Flywheels"
NDE-941	"Ultrasonic Examination of Bolts and Studs "
QAL-13	"ISI Visual Examination, VT-1"
QAL-14	"ISI Visual Examination, VT-3 and VT-4"
QAL-15	"ISI Visual Examination, VT-2"
APP-1	"Flaw Indication Characterization"

The latest revision of each procedure that has been approved by Duke Power Company for Oconee Nuclear Station Units 1,2 & 3 will be used. Duke Power approval of Babcock and Wilcox procedures will be indicated by the signature of the Manager NDE, on the title page of the Babcock and Wilcox Inservice Inspection Manual for Oconee Nuclear Station.

#### 4.0 Inservice Inspection Plan for ASME Class 1 Items

The inservice inspection of ASME Class 1 Items shall be performed in accordance with the requirements of Article IWB-2000 of Section XI. Specific examination listings are described in Section 8 of this Plan.

#### 4.1 Examination Categories and Requirements

The examination categories to be used are those listed in Table IWB-2500-1 of Section XI. Specific examinations will be identified by an Item Number similar to those listed in Table IWB-2500-1 of Section XI, plus an additional number to uniquely identify that examination. (Example: B01.011.001)

For pressure testing, only one (1) Item Number (B15.050.001) will be assigned for the entire Reactor Coolant System leakage test (IWB-5221); and one (1) Item Number (B15.051.001) will be assigned for the Reactor Coolant System hydrostatic test (IWB-5222).

Class 1 Items to be inspected include:

#### Category B-A      Pressure Retaining Welds In Reactor Vessel

IWB-2500-1 Item	<u>Component To Be Examined</u>	<u>Comments</u>
B1.10	<i>Shell Welds</i>	
B1.11	Circumferential	
B1.12	Longitudinal	N/A for Oconee 2 & 3
B1.20	<i>Head Welds</i>	
B1.21	Circumferential	
B1.22	Meridional	N/A for Oconee 2 & 3
B1.30	Shell-to-Flange Weld	
B1.40	Head-to-Flange Weld	
B1.50	Repair Welds	N/A for Oconee 1,2 & 3
B1.51	Beltline region	N/A for Oconee 1,2 & 3

Category B-B Pressure Retaining Welds In Vessels Other Than Reactor Vessels

IWB-2500-1

<u>Item</u>	<u>Component To Be Examined</u>	<u>Comments</u>
	<i>Pressurizer</i>	
B2.10	Shell-to-Head Welds	
B2.11	Circumferential	
B2.12	Longitudinal	
	<i>Pressurizer</i>	
B2.20	Head Welds	
B2.21	Circumferential	N/A for Ocone 1,2 & 3
B2.22	Meridional	N/A for Ocone 1,2 & 3
	<i>Steam Generators (Primary Side)</i>	
B2.30	Head Welds	N/A for Ocone 1,2 & 3
B2.31	Circumferential	N/A for Ocone 1 & 2
B2.32	Meridional	N/A for Ocone 1,2 & 3
	<i>Steam Generators (Primary Side)</i>	
B2.40	Tubesheet-to-Head Weld	
	<i>Heat Exchangers (Primary Side) - Head</i>	
B2.50	Head Welds	
B2.51	Circumferential	N/A for Ocone 3
B2.52	Meridional	N/A for Ocone 1,2 & 3
	<i>Heat Exchangers (Primary Side) - Shell</i>	
B2.60	Tubesheet-To-Head Welds	
	<i>Heat Exchangers (Primary Side) - Shell</i>	
B2.70	Longitudinal Welds	N/A for Ocone 1,2 & 3
	<i>Heat Exchangers (Primary Side) - Shell</i>	
B2.80	Tubesheet-To-Shell Welds	N/A for Ocone 1,2 & 3

**Category B-D Full Penetration Welds Of Nozzles In Vessels - Inspection Program B**

IWB-2500-1 Item	Component To Be Examined	Comments
B3.90	<i>Reactor Vessel</i> Nozzle-to-Vessel Welds	
B3.100	<i>Reactor Vessel</i> Nozzle Inside Radius Section	
B3.110	<i>Pressurizer</i> Nozzle-to-Vessel Welds	
B3.120	<i>Pressurizer</i> Nozzle Inside Radius Section	
B3.130	<i>Steam Generators (Primary Side)</i> Nozzle-to-Vessel Welds	
B3.140	<i>Steam Generators (Primary Side)</i> Nozzle Inside Radius Section	
B3.150	<i>Heat Exchangers (Primary Side)</i> Nozzle-To-Vessel Welds	
B3.160	<i>Heat Exchangers (Primary Side)</i> Nozzle Inside Radius Section	

**Category B-E Pressure Retaining Partial Penetration Welds In Vessels**

IWB-2500-1 Item	Component To Be Examined	Comments
B4.10	Partial Penetration Welds	
B4.11	Vessel Nozzles	N/A for Oconee 1,2 & 3
B4.12	Control Rod Drive Nozzles	Perform VT-2 examination on 100% of welds during Class 1 Hydrostatic test
B4.13	Instrumentation Nozzles	Perform VT-2 examination on 100% of welds during Class 1 Hydrostatic test



IWB-2500-1

<u>Item</u>	<u>Component To Be Examined</u>	<u>Comments</u>
B4.20	<i>Pressurizer</i> Heater Penetration Welds	N/A for Oconee 1,2 & 3

**Category B-F Pressure Retaining Dissimilar Metal Welds**

IWB-2500-1

<u>Item</u>	<u>Component To Be Examined</u>	<u>Comments</u>
B5.10	<i>Reactor Vessel</i> Nominal Pipe Size 4 in. or Larger Nozzle-to-Safe End Butt Welds	
B5.20	<i>Reactor Vessel</i> Nominal Pipe Size < 4 in. Nozzle-to-Safe End Butt Welds	N/A for Oconee 1,2 & 3
B5.30	<i>Reactor Vessel</i> Nozzle-to-Safe End Socket Welds	N/A for Oconee 1,2 & 3
B5.40	<i>Pressurizer</i> Nominal Pipe Size 4 in. or Larger Nozzle-to-Safe End Butt Welds	
B5.50	<i>Pressurizer</i> Nominal Pipe Size Less Than 4 in. Nozzle-To-Safe End Butt Welds	N/A for Oconee 1
B5.60	<i>Pressurizer</i> Nozzle-To-Safe End Socket Welds	N/A for Oconee 1,2 & 3
B5.70	<i>Steam Generator</i> Nominal Pipe Size 4 in. or Larger Nozzle-To-Safe End Butt Welds	N/A for Oconee 1,2 & 3
B5.80	<i>Steam Generator</i> Nominal Pipe Size < 4 in. Nozzle-To-Safe End Butt Welds	N/A for Oconee 1,2 & 3

IWB-2500-1  
Item

Component To Be Examined

Comments

B5.90	<i>Steam Generator</i> Nozzle-To-Safe End Socket Welds	N/A for Oconee 1,2 & 3
B5.100	<i>Heat Exchangers</i> Nominal Pipe Size 4 in. or Larger Nozzle-To-Safe End Butt Welds	N/A for Oconee 1,2 & 3
B5.110	<i>Heat Exchangers</i> Nominal Pipe Size < 4 in. Nozzle-To-Safe End Butt Welds	N/A for Oconee 1,2 & 3
B5.120	<i>Heat Exchangers</i> Nozzle-To-Safe End Socket Welds	N/A for Oconee 1,2 & 3
B5.130	<i>Piping</i> Nominal Pipe Size 4 in. or Larger Dissimilar Metal Butt Welds	
B5.140	<i>Piping</i> Nominal Pipe Size < 4 in. Dissimilar Metal Butt Welds	
B5.150	<i>Piping</i> Dissimilar Metal Socket Welds	N/A for Oconee 1,2 & 3

**Category B-G-1 Pressure Retaining Bolting, Greater Than 2 In. Diameter**

IWB-2500-1  
Item

Component To Be Examined

Comments

B6.10	<i>Reactor Vessel</i> Closure Head Nuts	
B6.20	<i>Reactor Vessel</i> Closure Studs, In Place	N/A for Oconee 1,2 & 3
B6.30	<i>Reactor Vessel</i> Closure Studs, When Removed	
B <sup>a</sup> 40	<i>Reactor Vessel</i> Threads In Flange	
B6.50	<i>Reactor Vessel</i> Closure Washers, Bushings	

<u>Item</u>	<u>Component To Be Examined</u>	<u>Comments</u>
B6.60	<i>Pressurizer</i> Bolts and Studs	
B6.70	<i>Pressurizer</i> Flange Surface, When Connection Disassembled	
B6.80	<i>Pressurizer</i> Nuts, Bushings, and Washers	
B6.90	<i>Steam Generators</i> Bolts and Studs	N/A for Oconee 1,2 & 3
B6.100	<i>Steam Generators</i> Flange Surface, When Connection Disassembled	N/A for Oconee 1,2 & 3
B6.110	<i>Steam Generators</i> Nuts, Bushings, and Washers	N/A for Oconee 1,2 & 3
B6.120	<i>Heat Exchangers</i> Bolts and Studs	N/A for Oconee 1,2 & 3
B6.130	<i>Heat Exchangers</i> Flange Surface, When Connection Disassembled	N/A for Oconee 1,2 & 3
B6.140	<i>Heat Exchangers</i> Nuts, Bushing, and Washers	N/A for Oconee 1,2 & 3
B6.150	<i>Piping</i> Bolts and Studs	N/A for Oconee 1,2 & 3
B6.160	<i>Piping</i> Flange Surface, When Connection Disassembled	N/A for Oconee 1,2 & 3
B6.170	<i>Piping</i> Nuts, Bushing, and Washers	N/A for Oconee 1,2 & 3
B6.180	<i>Pumps</i> Bolts and Studs	
B6.190	<i>Pumps</i> Flange Surface, When Connection Disassembled	

IWB-2500-1

<u>Item</u>	<u>Component To Be Examined</u>	<u>Comments</u>
B6.200	<i>Pumps</i> Nuts, Bushings, and Washers	
B6.210	<i>Valves</i> Bolts and Studs	N/A for Oconee 1,2 & 3
B6.220	<i>Valves</i> Flange Surface, When Connection Disassembled	N/A for Oconee 1,2 & 3
B6.230	<i>Valves</i> Nuts, Bushings, and Washers	N/A for Oconee 1,2 & 3

**Category B-G-2 Pressure Retaining Bolting, 2 In. And Less In Diameter**

IWB-2500-1

<u>Item</u>	<u>Component To Be Examined</u>	<u>Comments</u>
B7.10	<i>Reactor Vessel</i> Bolts, Studs, and Nuts	N/A for Oconee 1,2 & 3
B7.20	<i>Pressurizer</i> Bolts, Studs, and Nuts	
B7.30	<i>Steam Generators</i> Bolts, Studs, and Nuts	
B7.40	<i>Heat Exchangers</i> Bolts, Studs, and Nuts	N/A for Oconee 1,2 & 3
B7.50	<i>Piping</i> Bolts, Studs, and Nuts	N/A for Oconee 1
B7.60	<i>Pumps</i> Bolts, Studs, and Nuts	N/A for Oconee 2 & 3
B7.70	<i>Valves</i> Bolts, Studs, and Nuts	
B7.80	<i>CRD Housings</i> Bolts, Studs, and Nuts	Inspect only when connection is disassembled

**Category B-H      Integral Attachments For Vessels**

IWB-2500-1 <u>Item</u>	<u>Component To Be Examined</u>	<u>Comments</u>
B8.10	<i>Reactor Vessel</i> Integrally Welded Attachments	N/A to Oconee 1,2 & 3 for the Third Inspection Interval
B8.20	<i>Pressurizer</i> Integrally Welded Attachments	N/A to Oconee 1,2 & 3 for the Third Inspection Interval
B8.30	<i>Steam Generator</i> Integrally Welded Attachments	N/A for Oconee 1,2 & 3
B8.40	<i>Heat Exchangers</i> Integrally Welded Attachments	N/A for Oconee 1,2 & 3

**Category B-J      Pressure Retaining Welds In Piping**

IWB-2500-1 <u>Item</u>	<u>Component To Be Examined</u>	<u>Comments</u>
B9.10	<i>Nominal Pipe Size 4 in. or Larger</i>	
B9.11	Circumferential Welds	
B9.12	Longitudinal Welds	
B9.20	<i>Nominal Pipe Size &lt; 4 in.</i>	
B9.21	Circumferential Welds	
B9.22	Longitudinal Welds	N/A for Oconee 1,2 & 3
B9.30	Branch Pipe Connection Welds	
B9.31	Nominal Pipe Size 4 in. or Larger	
B9.32	Nominal Pipe Size < 4 in.	
B9.40	Socket Welds	

**Category B-K-1 Integral Attachments For Piping, Pumps, And Valves**

IWB-2500-1 <u>Item</u>	<u>Component To Be Examined</u>	<u>Comments</u>
B10.10	<i>Piping</i> Integrally Welded Attachments	N/A for Oconee 1,2 & 3
B10.20	<i>Pumps</i> Integrally Welded Attachments	N/A for Oconee 1,2 & 3
B10.30	<i>Valves</i> Integrally Welded Attachments	N/A for Oconee 1,2 & 3

**Category**  
**B-L-1 Pressure Retaining Welds In Pump Casings**  
**B-M-1 Pressure Retaining Welds In Valve Bodies**  
**B-L-2 Pump Casings**  
**B-M-2 Valve Bodies**

IWB-2500-1 <u>Item</u>	<u>Component To Be Examined</u>	<u>Comments</u>
B12.10	<i>Pumps</i> Pump Casing Welds (B-L-1)	
B12.20	<i>Pumps</i> Pump Casing (B-L-2)	
B12.30	<i>Valves</i> Valves, < 4 in. Nominal Pipe Size Valve Body Welds (B-M-1)	N/A for Oconee 1,2 & 3
B12.40	<i>Valves</i> Valves, 4 in. Nominal Pipe Size or Larger, Valve Body Welds (B-M-1)	N/A for Oconee 1,2 & 3
B12.50	<i>Valves</i> Valve Body, Exceeding 4 in. Nominal Pipe Size (B-M-2)	

- 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

IWB-2500-1 Item	Component To Be Examined	Comments
B13.10	<i>Reactor Vessel</i> Vessel Interior (B-N-1)	Each Inspection Period
B13.50	<i>Reactor Vessel (PWR)</i> Interior Attachments Within Beltline Region (B-N-2)	N/A for Oconee 1,2 & 3
B13.60	<i>Reactor Vessel (PWR)</i> Interior Attachments Beyond Beltline Region (B-N-2)	N/A for Oconee 1,2 & 3
B13.70	<i>Reactor Vessel (PWR)</i> Core Support Structure (B-N-3)	

**Category B-0 Pressure Retaining Welds In Control Rod Housings**

IWB-2500-1 Item	Component To Be Examined	Comments
B14.10	<i>Reactor Vessel</i> Welds in CRD Housing	

**Category B-P All Pressure Retaining Components**

IWB-2500-1 Item	Component To Be Examined	Comments
B15.10	<i>Reactor Vessel</i> Pressure Retaining Boundary	Covered under B15.050.001
B15.11	<i>Reactor Vessel</i> Pressure Retaining Boundary	Covered under B15.051.001

IWB-2500-1 Item	Component To Be Examined	Comments
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B15.20	<i>Pressurizer</i> Pressure Retaining Boundary	Covered under B15.050.001
B15.21	<i>Pressurizer</i> Pressure Retaining Boundary	Covered under B15.051.001
B15.30	<i>Steam Generators</i> Pressure Retaining Boundary	Covered under B15.050.001
B15.31	<i>Steam Generators</i> Pressure Retaining Boundary	Covered under B15.051.001
B15.40	<i>Heat Exchangers</i> Pressure Retaining Boundary	Covered under B15.050.001
B15.41	<i>Heat Exchangers</i> Pressure Retaining Boundary	Covered under B15.051.001
B15.50	<i>Piping</i> Pressure Retaining Boundary	Reactor Coolant System Leakage Test
B15.51	<i>Piping</i> Pressure Retaining Boundary	Reactor Coolant System Hydrostatic Test
B15.60	<i>Pumps</i> Pressure Retaining Boundary	Covered under B15.050.001
B15.61	<i>Pumps</i> Pressure Retaining Boundary	Covered under B15.051.001
B15.70	<i>Valves</i> Pressure Retaining Boundary	Covered under B15.050.001
B15.71	<i>Valves</i> Pressure Retaining Boundary	Covered under B15.051.001



**Category B-Q Steam Generator Tubing**

<u>Item</u>	<u>Component To Be Examined</u>	<u>Comments</u>
B16.10	Steam Generator Tubing in Straight Design	Steam Generator Tubing is examined and documented by the Diversified Services Group of the Generation Services Department as required by the Station Technical Specifications.
B16.20	Steam Generator Tubing in U-Tube Design	N/A for Oconee 1,2 & 3

**CATEGORY F-A Supports**

<u>Item</u>	<u>Component To Be Examined</u>	<u>Comments</u>
F1.10	Class 1 Piping Supports	See Code Case N-491
F1.40	Class 1 Supports Other Than Piping	See Code Case N-491

**4.2 Weld Selection for Inservice Inspection**

Welds shall be selected for inservice inspection in accordance with Article IWB-2000 of Section XI. The selection criteria for each category of Table IWB-2500-1 will be applied. Class 1 welds that exceed the stress criteria given in Table IWB-2500-1 are listed below:

**4.2.1 Oconee 1**

<u>Item Number</u>	<u>Weld Number</u>	<u>Piping Isometric</u>	<u>Flow Diagram</u>
B05.130.001	1-PIA1-7	ISI OCN1-007	OFD-100A-1.1
B05.130.003	1-PIA2-7	ISI OCN1-008	OFD-100A-1.1
B05.130.005	1-PIB1-7	ISI OCN1-009	OFD-100A-1.1
B05.130.006	1-PDB1-2	ISI OCN1-013	OFD-100A-1.1-
B05.130.007	1-PIB2-7	ISI OCN1-010	OFD-100A-1.1
B05.130.008	1-PIB2-2	ISI OCN1-014	OFD-100A-1.1
B05.130.009	1-PSL-10	ISI OCN1-015	OFD-100A-1.1
B05.130.011	1-PSP-1	ISI OCN1-016	OFD-100A-1.2

<u>Item Number</u>	<u>Weld Number</u>	<u>Piping Isometric</u>	<u>Flow Diagram</u>
B09.011.001	1-PIA1-9	ISI-OCN1-007	OFD-100A-1.1
B09.011.008	1-PIA1-1	ISI OCN1-007	OFD-100A-1.1
B09.011.024	1-PIA2-1	ISI OCN1-008	OFD-100A-1.1
B09.011.040	1-PIB1-1	ISI OCN1-009	OFD-100A-1.1
B09.011.056	1-PIB2-1	ISI OCN1-010	OFD-100A-1.1
B09.011.064	1-PDB2-9	ISI OCN1-014	OFD-100A-1.1
B09.011.105	1-PSL-7	ISI OCN1-015	OFD-100A-1.1
B09.011.106	1-PSL-8	ISI OCN1-015	OFD-100A-1.1
B09.011.107	1-PSL-9	ISI OCN1-015	OFD-100A-1.1
B09.011.112	1-PSL-1	ISI OCN1-015	OFD-100A-1.1
B09.011.114	1-PSL-2	ISI OCN1-015	OFD-100A-1.1
B09.011.115	1-PSL-3	ISI OCN1-015	OFD-100A-1.1
B09.011.116	1-PSL-4	ISI OCN1-015	OFD-100A-1.1
B09.011.117	1-PSL-6	ISI OCN1-015	OFD-100A-1.1
B09.011.118	1-PSL-5	ISI OCN1-015	OFD-100A-1.1
B09.011.119	1-PSP-3	ISI OCN1-016	OFD-100A-1.2
B09.021.002	1-PSP-4	ISI OCN1-016	OFD-100A-1.2
B09.021.005	1-PSP-14	ISI OCN1-016	OFD-100A-1.2
B09.021.008	1-51A-11-87	1-51A-11(3)	OFD-100A-1.1
B09.021.009A	1-51A-11-89	1-51A-11(3)	OFD-100A-1.1
B09.021.069	1-PSP-24	ISI OCN1-016	OFD-100A-1.2
B09.021.070	1-PSP-25	ISI OCN1-016	OFD-100A-1.2
B09.021.071	1-PSP-8	ISI OCN1-016	OFD-100A-1.2
B09.021.072	1-51A-11-94	1-51A-11(3)	OFD-100A-1.1
B09.031.001	1-PHA-16	ISI OCN1-005	OFD-100A-1.1
B09.032.004	1-PDA1-12	ISI OCN1-011	OFD-100A-1.1
B09.032.005	1-PDA1-10	ISI OCN1-011	OFD-100A-1.1
B09.032.006	1-PDA2-10	ISI OCN1-012	OFD-100A-1.1
B09.032.007	1-PDB1-10	ISI OCN1-013	OFD-100A-1.1
B09.032.008	1-PDB2-10	ISI OCN1-014	OFD-100A-1.1
B09.040.009	1-50-03-42A	1-50-03(1)	OFD-100A-1.2

#### 4.2.2 Oconee 2

<u>Item Number</u>	<u>Weld Number</u>	<u>Piping Isometric</u>	<u>Flow Diagram</u>
B03.110.002	2-PZR-WP34	ISI-OCN2-002	OFD-100A-2.2
B05.130.012	2-PSL-10	ISI-OCN2-015	OFD-100A-2.1
B05.130.013	2-PSP-1	ISI-OCN2-016	OFD-100A-2.2
B05.140.023	2-51A-39-87A	2-51A-39	OFD-101A-2.4
B09.011.024	2-PIA1-4	ISI-OCN2-007	OFD-100A-2.1
B09.011.026	2-PIA2-4	ISI-OCN2-008	OFD-100A-2.1
B09.011.028	2-PIB1-4	ISI-OCN2-009	OFD-100A-2.1

B09.011.030	2-PIB2-4	ISI-OCN2-010	OFD-100A-2.1
B09.011.036	2-PSL-1	ISI-OCN2-015	OFD-100A-2.1
B09.011.037	2-PSL-2	ISI-OCN2-015	OFD-100A-2.1
B09.011.038	2-PSL-3	ISI-OCN2-015	OFD-100A-2.1
B09.011.039	2-PSL-4	ISI-OCN2-015	OFD-100A-2.1
B09.011.040	2-PSL-5	ISI-OCN2-015	OFD-100A-2.1
B09.011.041	2-PSL-6	ISI-OCN2-015	OFD-100A-2.1
B09.011.042	2-PSL-7	ISI-OCN2-015	OFD-100A-2.1
B09.011.043	2-PSL-8	ISI-OCN2-015	OFD-100A-2.1
B09.011.044	2-PSL-9	ISI-OCN2-015	OFD-100A-2.1
B09.011.045	2-PSP-3	ISI-OCN2-016	OFD-100A-2.2
B09.021.039	2-51A-39-44	2-51A-39	OFD-101A-2.4
B09.021.041	2-51A-39-90C	2-51A-39	OFD-101A-2.4
B09.021.042	2-51A-39-92A	2-51A-39	OFD-101A-2.4
B09.021.044	2-50-11-3A	2-50-11	OFD-100A-2.2
B09.021.052	2-PSP-24	ISI-OCN2-016	OFD-100A-2.2
B09.021.053	2-PSP-25	ISI-OCN2-016	OFD-100A-2.2
B09.021.054	2-PSP-4	ISI-OCN2-016	OFD-100A-2.2
B09.021.055	2-PSP-5	ISI-OCN2-016	OFD-100A-2.2
B09.021.056	2-PSP-6	ISI-OCN2-016	OFD-100A-2.2
B09.021.057	2-PSP-8	ISI-OCN2-016	OFD-100A-2.2
B09.021.058	2-PSP-7	ISI-OCN2-016	OFD-100A-2.2
B09.021.059	2-PSP-14	ISI-OCN2-016	OFD-100A-2.2
B09.021.060	2-PSP-15	ISI-OCN2-016	OFD-100A-2.2
B09.031.001	2-PHB-16	ISI-OCN2-005	OFD-100A-2.2
B09.032.002	2-PDA1-10	ISI-OCN2-011	OFD-100A-2.1
B09.032.003	2-PDA2-10	ISI-OCN2-012	OFD-100A-2.1
B09.032.004	2-PDB1-10	ISI-OCN2-013	OFD-100A-2.1
B09.032.005	2-PDB1-12	ISI-OCN2-011	OFD-100A-2.2
B09.032.006	2-PDB2-10	ISI-OCN2-014	OFD-100A-2.1
G03.001.001	2-PSL-11	ISI-OCN2-015	OFD-100A-2.1

#### 4.2.3 Oconee 3

<u>Item Number</u>	<u>Weld Number</u>	<u>Piping Isometric</u>	<u>Flow Diagram</u>
B09.011.006	3-PIA1-4	ISI-OCN3-007	OFD-100A-3.1
B09.011.009	3PIA2-4	ISI-OCN3-008	OFD-100A-3.1
B09.011.012	3PIB1-4	ISI-OCN3-009	OFD-100A-3.1
B09.011.015	3PIB2-4	ISI-OCN3-010	OFD-100A-3.1
B09.031.001	3PHB-16	ISI-OCN3-006	OFD-100A-3.2
B05.130.012	3PSL-10	ISI-OCN3-015	OFD-100A-3.1
B09.011.033	3PSL-9	ISI-OCN3-015	OFD-100A-3.1
B09.011.032	3PSL-8	ISI-OCN3-015	OFD-100A-3.1
B09.011.031	3PSL-7	ISI-OCN3-015	OFD-100A-3.1
B09.011.030	3PSL-6	ISI-OCN3-015	OFD-100A-3.1
G03.001.001	3PSL-11	ISI-OCN3-015	OFD-100A-3.1
B09.011.029	3PSL-5	ISI-OCN3-015	OFD-100A-3.1
B09.011.028	3PSL-4	ISI-OCN3-015	OFD-100A-3.1

B09.011.027	3PSL-3	ISI-OCN3-015	OFD-100A-3.1
B09.011.026	3PSL-2	ISI-OCN3-015	OFD-100A-3.1
B09.011.025	3PSL-1	ISI-OCN3-015	OFD-100A-3.1
B09.021.050	3-51A-64-24B	3-51A-64	OFD-101A-3.4
B09.021.046	3-51A-63-40	3-51A-63	OFD-101A-3.4
B09.021.035	3-51A-62-26	3-51A-62	OFD-101A-3.4
B09.021.033	3-51A-61-44A	3-51A-61	OFD-101A-3.4
B09.032.004	3PDA1-10	ISI-OCN3-011	OFD-100A-3.1
B09.032.005	3PDA2-10	ISI-OCN3-012	OFD-100A-3.1
B09.032.006	3PDB1-10	ISI-OCN3-013	OFD-100A-3.1
B09.032.008	3PDB2-10	ISI-OCN3-014	OFD-100A-3.1
B09.032.007	3PDB1-12	ISI-OCN3-013	OFD-100A-3.2
B05.130.013	3PSP-1	ISI-OCN3-016	OFD-100A-3.1
B03.110.002	3PZR-WP34	ISI-OCN3-002	OFD-100A-3.2
B09.021.018	3PSP-8	ISI-OCN3-016	OFD-100A-3.2
B09.021.016	3PSP-6	ISI-OCN3-016	OFD-100A-3.2
B09.021.015	3PSP-5	ISI-OCN3-016	OFD-100A-3.2
B09.011.034	3PSP-3	ISI-OCN3-016	OFD-100A-3.2
B09.021.013	3PSP-25	ISI-OCN3-016	OFD-100A-3.2
B09.021.012	3PSP-24	ISI-OCN3-016	OFD-100A-3.2
B09.021.014	3PSP-4	ISI-OCN3-016	OFD-100A-3.2
B09.021.006	3-50-38-2	3-50-38	OFD-100A-3.2
B09.021.017	3PSP-7	ISI-OCN3-016	OFD-100A-3.2
B09.021.010	3PSP-14	ISI-OCN3-016	OFD-100A-3.2
B09.021.011	3PSP-15	ISI-OCN3-016	OFD-100A-3.2

## 5.0 Inservice Inspection Plan for ASME Class 2 Items

The inservice inspection of ASME Class 2 Items shall be performed in accordance with the requirements of Article IWC-2000 of Section XI. Specific examination listings and schedules are described in Section 8 of this Plan.

### 5.1 Examination Categories and Requirements

The examination categories to be used are those listed in Table IWC-2500-1 of Section XI. Specific examinations will be identified by an Item Number, similar to those listed in Table IWC-2500-1 of Section XI, plus an additional number to uniquely identify that examination. (Example C01.010.001)

For pressure testing, only one Item Number will be assigned for all pressure retaining components within the C-H Category per Flow Diagram. For instance, C07.030.001 will encompass all of the vessels, piping, pumps and valves located on a particular Flow Diagram.

#### Category C-A Pressure Retaining Welds In Pressure Vessels

<u>IWC-2500-1 Item</u>	<u>Component To Be Examined</u>	<u>Comments</u>
C1.10	Shell Circumferential Welds	
C1.20	Head Circumferential Welds	
C1.30	Tubesheet-to-Shell Weld	

#### Category C-B Pressure Retaining Nozzle Welds In Vessels

<u>IWC-2500-1 Item</u>	<u>Component To Be Examined</u>	<u>Comments</u>
C2.10	<i>Nozzles in Vessels With a Nominal Thickness of 1/2" or Less</i>	
C2.11	Nozzle-To-Shell (or Head) Weld	
C2.20	<i>Nozzles Without Reinforcing Plate in Vessels With a Nominal Thickness Greater Than 1/2"</i>	

IWC-2500-1

<u>Item</u>	<u>Component To Be Examined</u>	<u>Comments</u>
C2.21	Nozzle-to-Shell (or Head) Weld	
C2.22	Nozzle Inside Radius Section	
C2.30	<i>Nozzles With Reinforcing Plate In Vessels With a Nominal Thickness Greater Than 1/2"</i>	
C2.31	Reinforcing Plate Welds to Nozzle and Vessel	
C2.32	Nozzle-to-Shell (or Head) Welds When Vessel Interior is Accessible	N/A for Oconee 1,2 &3
C2.33	Nozzle-to-Shell (or Head) Welds When Vessel Interior is Inaccessible	

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

IWC-2500-1

<u>Item</u>	<u>Component To Be Examined</u>	<u>Comments</u>
	<i>Pressure Vessels</i>	
C3.10	Integrally Welded Attachment	Attachments Whose Base Material Design Thickness is 3/4" or Greater
	<i>Piping</i>	
C3.20	Integrally Welded Attachments	Attachments Whose Base Material Design Thickness is 3/4" or Greater
	<i>Pumps</i>	
C3.30	Integrally Welded Attachments	Attachments Whose Base Material Design Thickness is 3/4" or Greater
	<i>Valves</i>	
C3.40	Integrally Welded Attachments	N/A for Oconee 1,2 & 3

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

IWC-2500-1

<u>Item</u>	<u>Component To Be Examined</u>	<u>Comments</u>
C4.10	<i>Pressure Vessels</i> Bolts and Studs	N/A for Ocone 1,2 & 3
C4.20	<i>Piping</i> Bolts and Studs	N/A for Ocone 1,2 & 3
C4.30	<i>Pumps</i> Bolts and Studs	N/A for Ocone 1,2 & 3
C4.40	<i>Valves</i> Bolts and Studs	

**Category C-F-1      Pressure Retaining Welds In Austenitic Stainless Steel Or High Alloy Piping**

IWC-2500-1

<u>Item</u>	<u>Component To Be Examined</u>	<u>Comments</u>
C5.10	<i>Welds For Piping Greater Than 4" Nominal Pipe Size With Nominal Wall Thickness of 3/8" or Greater</i>	
C5.11	Circumferential Weld	
C5.12	Longitudinal Weld	NA for Ocone 3
C5.20	<i>Welds For Piping 2" Nominal Pipe Size and Greater, But Not Greater Than 4" Nominal Pipe Size, With Nominal Wall Thickness of Greater Than 1/5"</i>	
C5.21	Circumferential Weld	
C5.22	Longitudinal Weld	NA for Ocone 2 & 3
C5.30	Socket Welds	
C5.40	<i>Pipe Branch Connections of Branch Piping 2" Nominal Pipe Size or Greater</i>	

IWC-2500-1

<u>Item</u>	<u>Component To Be Examined</u>	<u>Comments</u>
C5.41	Circumferential Weld	
C5.42	Longitudinal Weld	N/A for Oconee 1,2 & 3

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

IWC-2500-1

<u>Item</u>	<u>Component To Be Examined</u>	<u>Comments</u>
C5.50	<i>Welds For Piping &gt; 4" Nominal Pipe Size With <math>\frac{3}{8}</math>" or Greater Nominal Wall Thickness</i>	
C5.51	Circumferential Weld	
C5.52	Longitudinal Weld	
C5.60	<i>Welds For Piping 2" Nominal Pipe Size And Greater, But Not Greater Than 4" Nominal Pipe Size, With Nominal Wall Thickness &gt; Than <math>\frac{1}{5}</math>"</i>	
C5.61	Circumferential Weld	N/A for Oconee 1,2 & 3
C5.62	Longitudinal Weld	N/A for Oconee 1,2 & 3
C5.70	Socket Welds	N/A for Oconee 1,2 & 3
C5.80	<i>Pipe Branch Connections With Branch Piping 2" Nominal Pipe Size or Greater</i>	
C5.81	Circumferential Weld	
C5.82	Longitudinal Weld	N/A for Oconee 1,2 & 3



**Category C-G      Pressure Retaining Welds In Pumps And Valves**

IWC-2500-1 Item	Component To Be Examined	Comments
C6.10	<i>Pumps</i> Pump Casing Welds	N/A for Oconee 1,2 & 3
C6.20	<i>Valves</i> Valve Body Welds	

**Category C-H      All Pressure Retaining Components**

IWC-2500-1 Item	Component To Be Examined	Comments
C7.10	<i>Pressure Vessels</i> Pressure Retaining Components	Covered under C07.030.
C7.20	<i>Pressure Vessels</i> Pressure Retaining Components	Covered under C07.040.
C7.30	<i>Piping</i> Pressure Retaining Components	System Functional / Inservice Test
C7.40	<i>Piping</i> Pressure Retaining Components	System Hydrostatic Test
C7.50	<i>Pumps</i> Pressure Retaining Components	Covered under C07.030.
C7.60	<i>Pumps</i> Pressure Retaining Components	Covered under C07.040.
C7.70	<i>Valves</i> Pressure Retaining Components	Covered under C07.030.
C7.80	<i>Valves</i> Pressure Retaining Components	Covered under C07.040.

CATEGORY F-A SUPPORTS

IWF-2500-1  
Item

Component To Be Examined

Comments

F1.20

Class 2 Piping Supports

See Code Case N-491

F1.40

Class 2 Supports Other Than Piping

See Code Case N-491

## 6.0 Inservice Inspection Plan for ASME Class 3 Items

The inservice inspection of ASME Class 3 Items shall be performed in accordance with the requirements of Article IWD-2000 of Section XI. Specific examination listings and schedules are described in Section 8 of this Plan.

### 6.1 Examination Categories and Requirements

The examination categories to be used are those listed in Table IWD-2500-1 of Section XI. Specific examinations will be identified by an Item Number, similar to those listed in Table IWD-2500-1 of Section XI, plus an additional number to uniquely identify that examination; example, (D01.010.001). Class 3 Items to be inspected include:

#### Category D-A      Systems In Support Of Reactor Shutdown Function

<u>IWD-2500-1 Item</u>	<u>Component to be Examined</u>	<u>Comments</u>
D1.10	Pressure Retaining Components	
D1.20	Integral Attachment - Component Supports and Restraints	N/A for Oconee 2 & 3
D1.30	Integral Attachment - Mechanical and Hydraulic Snubbers	N/A for Oconee 1,2 & 3
D1.40	Integral Attachment - Spring Type Supports	N/A for Oconee 1,2 & 3
D1.50	Integral Attachment - Constant Load Type Supports	N/A for Oconee 1,2 & 3
D1.60	Integral Attachment - Shock Absorbers	N/A for Oconee 1,2 & 3

**Category D-B      Systems In Support Of Emergency Core Cooling, Containment Heat Removal, Atmosphere Clean Up, And Reactor Residual Heat Removal**

<u>IWD-2500-1</u> <u>Item</u>	<u>Component to be Examined</u>	<u>Comments</u>
D2.10	Pressure Retaining Components	
D2.20	Integral Attachment - Component Supports and Restraints	
D2.30	Integral Attachment - Mechanical and Hydraulic Snubbers	
D2.40	Integral Attachment - Spring Type Supports	
D2.50	Integral Attachment - Constant Load Type Supports	N/A Ocone 2 & 3
D2.60	Integral Attachment - Shock Absorbers	N/A for Ocone 1,2 & 3

**Category D-C      Systems In Support Of Residual Heat Removal From Spent Fuel Storage Pool**

<u>IWD-2500-1</u> <u>Item</u>	<u>Component to be Examined</u>	<u>Comments</u>
D3.10	Pressure Retaining Components	
D3.20	Integral Attachment - Component Supports and Restraints	
D3.30	Integral Attachment - Mechanical and Hydraulic Snubbers	N/A for Ocone 1,2
D3.40	Integral Attachment - Spring Type Supports	N/A for Ocone 2
D3.50	Integral Attachment - Constant Load Type Supports	N/A for Ocone 1,2 & 3
D3.60	Integral Attachment - Shock Absorbers	N/A for Ocone 1,2 & 3

Category F-A      Supports

IWF-2500-1  
Item

Component to be Examined

Comments

F1.30

Class 3 Piping Supports

See Code Case N-491

F1.40

Class 3 Supports Other than Piping

See Code Case N-491

## 7.0 Augmented Inservice Inspection Plan

Augmented inservice inspection shall be performed as required in Section 1 of this Plan. Specific examination listing and schedules are described in Section 8 of this Plan.

### 7.1 Examination Categories and Requirements

Items requiring augmented inservice inspection are described in the following paragraphs. Each inspection will be assigned a unique Item Number.

#### 7.1.1 Reactor Coolant Pump Flywheels (Item Number Series G01.001)

At approximately three-year intervals, the bore and keyway of each reactor coolant pump flywheel shall be subjected to an in-place, volumetric examination. Whenever maintenance or repair activities necessitate flywheel removal, a surface examination of exposed surfaces and a complete volumetric examination shall be performed, if the interval measured from the previous such inspection is greater than 6 2/3 years. Reference Oconee Technical Specification 4.2.3.

#### 7.1.2 HPI Nozzle Safe End Examinations (Item Number Series G02.001)

Volumetric examinations will be performed on Safe Ends as a commitment by Duke Power Company.

#### 7.1.3 Pressurizer Surge Line Examinations (Item Number Series G03.001)

The surface of the drain nozzle weld shall be examined by the Liquid penetrant method. The one inch diameter nozzle welds exceed the stress criteria given in Table IWB-2500-1. Also, volumetrically examine the two most highly stressed surge line elbows. Examine the entire circumference of the elbow at the midpoint of the elbow. The inspection band width around the circumference is 3". These examinations are required by USNRC Bulletin 88-11.

#### 7.1.4 Thermal Stress Piping Examinations (Item Number Series G04.001)

Weld and base material shall be volumetrically examined by the ultrasonic method. These examinations are required by USNRC Bulletin 88-08.

**7.1.5 Pressurizer Spray Piping Thermal Transient Inspection, Reference PIR # 1-089-0003 (Item Number Series G05.001)**

Oconee Unit 1, Valve LP-46 to piping weld 42A (System 50, Iso. 3 (1)) will be examined by the liquid penetrant method. The base metal extending out one inch from weld 42A on the piping side will be volumetrically examined. These examinations are required by PIR # 1-089-0003.

**7.1.6 Auxiliary Feedwater Header Preliminary Safety Concern (PSC) 21-82 Water Hammer Examinations (Item Number Series G06.001)**

The surface of the 3" flanged nozzle-to-piping welds and the first outboard pipe-to-flange welds at the top horizontal run of the risers shall be examined by the magnetic particle method. A volumetric examination shall be performed on selected 6" distribution header welds. These examinations are required by Preliminary Safety Concern 21-82.

**7.1.7 Augmented Examination Of Longitudinal Piping Welds With A Nominal Wall Thickness  $< 3/8"$  And  $> \text{NPS } 4"$  (Item Number Series G07.001)**

Oconee Units 1, 2 & 3 have some Class 2 thin wall piping with longitudinal welds that does not fit the definition of Table IWC-2500-1 for piping with a nominal wall thickness  $\geq 3/8"$  and  $> \text{NPS } 4"$ . Since these longitudinal piping welds were examined during the second inservice inspection interval and are not required to be examined as a result of changes to the IWC-2500-1 Table; a representative percentage of approximately 7.5% of those welds were selected to be examined during the third inservice inspection interval as Augmented Examinations. The same NDE that was applied during the second inservice inspection interval will be applied during the third inservice inspection interval.

**7.1.8 Pressurizer Sensing/Sampling Nozzle Safe Ends (Item Number Series G08.001)**

The surface of the Pressurizer Sensing and Sampling Nozzle-to-Safe End welds shall be examined by the liquid penetrant method. These examinations are being performed due to cracking problems on the dissimilar metal safe ends at other plants.

**7.1.9 Class 2 Piping Welds NPS Greater Than 4", With Nominal Wall Thickness  $< \frac{3}{8}$ " (Item Number Series G09.001)**

Oconee Units 1, 2 & 3 have some Class 2 thin wall piping that does not fit the definition of Table IWC-2500-1 for piping with a nominal wall thickness  $\geq \frac{3}{8}$ " and  $> \text{NPS } 4$ ". Since these piping welds were examined during the second inservice inspection interval and are not required to be examined as a result of changes to the IWC-2500-1 Table, a representative percentage of approximately 5% of those welds were selected to be examined during the third inservice inspection interval as Augmented Examinations. The same NDE that was applied during the second inservice inspection interval will be applied during the third inservice inspection interval.

**7.1.10 Class 1 RTE Mounting Bosses (Item Number Series G10.001)**

" The RTE Mounting Bosses were scheduled for examination during the first two inservice inspection intervals under Examination Category B-F. These inspections were based on the diameter of the hole penetrating the main cooling piping (~ 9") and not the NPS of the fitting outlet. The outlet of the RTE mounting bosses have an opening diameter of less than 1" (0.613"). In the Third Inspection Interval, the RTE Mounting Bosses will received a surface examination under the Augmented Examination Category due to the NPS of the RTE outlet.

**7.1.11 Reactor Coolant Pumps 3A2 and 3B1 Alternate Examinations (Item Number Series G11.001)**

Reportable indications found on Reactor Coolant Pumps 3A2 and 3B1 Stud Holes found during Refueling Outage 9 are required to be re-examined during three succeeding inspection periods per ASME Section XI Paragraph IWB-2420(b). However, inspections during the next three inspection periods has been determined to be impractical. See Request for Relief ONS-011 in Section 10 of this Plan.



## 8.0 Description of Examination Listings for Oconee Units 1, 2 & 3

All ASME Class 1, 2, and 3 systems and components have been reviewed to determine the inservice examination requirements for Oconee Units 1, 2 & 3. Examination Listing and Schedules referenced by this section were written in accordance with the criteria found in Sections 3, 4, 5, 6 and 7 of this Plan.

For administrative purposes, the printouts identifying NDE that accompany this ISI Plan will reflect the refueling outages as 1, 2, 3, 4, 5 and 6. These numbers will correlate back to the stations End of Cycles 16, 17, 18, 19, 20 and 21 for Unit 1; End of Cycles 15,16,17,18,19,20 for Unit 2 and End of Cycles 15,16,17,18,19,20 & 21 for Unit 3. The printouts identifying pressure testing will reflect the End of Cycles as 16, 17, 18, 19, 20, 21 for Unit 1; End of Cycles 15,16,17,18,19 and 20 for Unit 2 and End of Cycles 15,16,17,18,19,20 and 21 for Unit 3.

## 8.1 Examination Information

The following information is listed for each examination where applicable:

### 8.1.1 Item Number

The Item Number for each examination is composed of three sections. The first two sections of the item number for ASME Class 1 or Class 2 items are similar to those Item numbers assigned in Table IWB-2500-1 or IWC-2500-1 of Section XI. Item Numbers for Class 1, 2 and 3 supports (IWF-2500-1) are identified as follows:

#### Class 1

F01.010 = Category A (rods in one direction only)

F01.011 = Category B (multi-directional hangers)

F01.012 = Category C (thermal movement, i.e. springs, snubbers and constant supports)

#### Class 2

F01.020 = Category A

F01.021 = Category B

F01.022 = Category C

#### Class 3

F01.030 = Category A

F01.031 = Category B

F01.032 = Category C

The last section of the Item Number is a three or four character sequence to uniquely identify that inspection.

## 8.1.2 ID Number

The ID Number is selected so that, by using the specified reference drawing(s) and any applicable comments, the area to be examined can be accurately identified. Several different weld identification systems were used by various equipment vendors. A consistent system of weld or component identification has been developed and is described below:

- 8.1.2.1 The first character of each ID Number indicates the Unit to which the examination applies.
- 8.1.2.2 The Unit Number is followed by two or three letters to indicate the component or system to be examined.

The abbreviations used are:

RPV	Reactor Pressure Vessel
PZR	Pressurizer
SGA	Steam Generator A
SGB	Steam Generator B
RCP	Reactor Coolant Pump
PHA	Reactor Coolant Piping Hot Leg to SGA
PHB	Reactor Coolant Piping Hot Leg to SGB
PIA1	Reactor Coolant Suction Piping to RCP A1
PIA2	Reactor Coolant Suction Piping to RCP A2
PIB1	Reactor Coolant Suction Piping to RCP B1
PIB2	Reactor Coolant Suction Piping to RCP B2
PDA1	Reactor Coolant Discharge Piping from RCP A1
PDA2	Reactor Coolant Discharge Piping from RCP A2
PDB1	Reactor Coolant Discharge Piping from RCP B1
PDB2	Reactor Coolant Discharge Piping from RCP B2

PSL Pressurizer Surge Piping  
PSP Pressurizer Spray Piping  
DT Decay Tank  
HPI High Pressure Injection Pump  
DHRC Decay Heat Removal Cooler  
RC Reactor Coolant (SSF Make-Up)  
LDCA Letdown Cooler A  
LDCB Letdown Cooler B  
BWST Borated Water Storage Tank  
LPCB LP Cooler B  
SSF Stand-by Shutdown Make-Up Pump  
EFDW Emergency Feedwater Motor Driven Pump  
and Turbine  
LPSW Low Pressure Service Pump / Strainer  
RBCC Reactor Building Component Cooler  
CS Coolant Storage Quench Tank  
SF Spent Fuel Cooler / Pump  
MCD Main Condenser  
CTK Upper Storage Tank  
LPI Low Pressure Injection Pump  
RBS Reactor Building Spray Pump  
01A Main Steam  
0E Feedwater Pumps Discharge  
03A HP Feedwater, Emergency Pump Discharge  
07A Condensate , Low Pressure

- 08 Vents and Exhaust
- 13 Condenser Circulating Water (CCW)
- 14 Low Pressure, High Pressure Service Water
- 14B Low Pressure Service Water System
- 20B Penet. Room Vent. and Reactor Build. Purge
- 50 Reactor Coolant System
- 51 High Pressure Injection
- 51A HP Injection and Let Down
- 53A LP Injection; Core Flood, and Decay Heat Removal
- 53B LP Injection; and Decay Heat Removal
- 54A Reactor Building Spray Pumps; Suction and Discharge
- 55 Component Cooling; Closed System
- 56 Spent Fuel Cooling
- 57 Vents Reactor Bldg. Components
- 59 Drains Reactor Build. Components

8.1.2.3 The remainder of the ID Number will indicate the exact weld or component to be examined, as shown on the reference drawings. Additional information will be included in the comments space when necessary to positively identify the area to be examined.

### 8.1.3 Drawing Numbers

At least one Duke Drawing Number is listed for each examination, if available. Drawing numbers beginning with "OM" are vendor's component drawings. Drawing numbers beginning with "PO" and "OFD-" followed by a four digit number are system flow diagrams. All listed drawings are available at Oconee Nuclear Station. Drawings beginning with "OFDL" or "OFDH" are inspection boundaries for pressure testing.

#### 8.1.4 Location (Optional)

Location of Item: building, degree, elevation, axis, etc.

#### 8.1.5 Inspection Required / Configuration (Pipe to Elbow, Valve to Pipe, Flange to Tee, etc.)

The following abbreviations are used to describe the type of inspection required for each item:

PT	Liquid Penetrant Inspection
MT	Magnetic Particle Inspection
RT	Radiographic Inspection
UT	Ultrasonic Inspection
ET	Eddy Current Inspection
VT1	ISI Visual Examination
VT2	ISI Visual Examination, Pressure Test
VT3	ISI Visual Inspection General Condition of Components and Supports

#### 8.1.6 Procedure

The inspection procedure is listed for each item to be inspected. The procedures are chosen from those in Section 3 of this Plan.

#### 8.1.7 Material Type/Grade

The following abbreviations are used to indicate the type of material to be examined:

CS	Carbon Steel
SS	Stainless Steel
IN	Inconel

#### 8.1.8 Diameter

The nominal pipe size (NPS) is listed for all valves and piping welds up to 24-inch NPS. The nominal inside diameter is listed for all vendor supplied piping larger than 24-in NPS. The actual outside diameter is listed for all other piping welds.

The nominal outside diameter is listed for examinations of bolts and studs.

For integrally-welded supports or cladding, the smaller weld or area dimension is listed in this category.

#### 8.1.9 Thickness

The dimension listed for component or piping welds is the nominal thickness at the weld.

The overall length of bolts or studs is listed in this category when applicable.

The larger dimension of support attachment welds or cladding areas are listed in this category.

#### 8.1.10 Calibration Block

The calibration block(s) to be used for the UT examinations. The calibration blocks(s) were selected by the NDE Level III, from the calibration block listing shown in Section 10 of this plan. The designation "TBD" is used to indicate cases where the calibration block is still being designed and / or fabricated.

#### 8.1.11 Comments

Additional information about the specified examination will be included here when needed.

### 8.2 Examination Listings

The detailed examination listing and schedule is found in Volume 2 for Unit 1, Volume 3 for Unit 2 and Volume 4 for Unit 3.

## 9.0 Requests for Relief from ASME Code Requirements

Each request for relief from a requirement of the ASME Code specified in Section 1 of this Plan will be submitted by the Nuclear Generation Department to the Nuclear Regulatory Commission for approval. A copy of each approved request for relief will be included in this section of the Inservice Inspection Plan.

Requests for Relief from ASME Code Requirements

<u>Serial Number</u>	<u>Description</u>	<u>Date Submitted</u>
ONS-001	Reactor Vessel Core Flood Nozzle Examination (Automated)	05/12/94
ONS-002	Reactor Vessel Nozzle-To Safe End And Safe End-To-Pipe Welds And Examination (Automated)	05/12/94
ONS-003	Leakage At Bolted Connections	05/12/94
ONS-004	Additional Examinations for Reportable CRDM Bolting Material	05/12/94
ONS-005	CRDM Bolting Material VT-1 Examinations	05/12/94
ONS-006	Reactor Vessel Nozzle Examination	05/12/94
ONS-007	Reactor Coolant Pump 1A2	12/31/93
ONS-008	Reactor Coolant Pumps 2A1 and 3B1	05/12/94
ONS-009	Letdown Cooler Nozzles (Inside Radius Section)	05/12/94
ONS-010	Main Steam A & B Nozzles	05/12/94
ONS-011	Reactor Coolant Pumps 3A2 and 3B1 Alternate Examination	05/12/94



DUKE POWER COMPANY

Request for Relief From  
Inservice Inspection Requirement

Station: **Oconee**

Unit: **1,2 & 3**

Requesting Department: **Nuclear Generation**

Reference Code: **ASME Boiler and Pressure Vessel Code, Section XI 1989  
Edition, no Addenda**

I. Component for which exemption is requested:

a. Name and Identification Number:

Core Flood Nozzle-to-Safe End and Safe End-to-Pipe Welds Drawing  
OM-201-92 (Attachment "A" ), OM-1201-1528 (Attachment "B") and  
B&W Drawing 149906E (Attachment "C").

Oconee 1

<u>Item No.</u>	<u>ID No.</u>	<u>Description</u>
B09.011.090A	1-53A-02-43L	SE to Pipe Weld
B09.011.100A	1-53A-01-1L	SE to Pipe Weld
B05.010.001	1-RPV-WR53	Noz to SE Weld
B05.010.002	1RPV-WR53A	Noz to SE Weld

Oconee 2

<u>Item No.</u>	<u>ID No.</u>	<u>Description</u>
B09.011.011A	2-53A-8-63	SE to Pipe Weld
B09.011.013A	2-53A-8-64	SE to Pipe Weld
B05.010.001	2-RPV-WR53	Noz to Pipe Weld
B05.010.002	2-RPV-WR53A	Noz to Pipe Weld

Oconee 3

<u>Item No.</u>	<u>ID No.</u>	<u>Description</u>
B05.010.001	3-RPV-WR53	Noz to SE Weld
B05.010.002	3RPV-WR53A	Noz to SE Weld
B09.011.040A	3-53A -15-44	SE to Pipe Weld
B09.011.045A	3-53A-16-01	SE to Pipe Weld

- b. Function:  
Provides reactor vessel core flooding capability
- c. ASME Section XI Code Class:  
Class 1
- d. Construction Code and Class (If Applicable):  
ASME Section III, Class 1
- e. Valve Category (If Applicable):  
NA

II. Reference Code Requirement that has been determined to be impractical:

Table IWB-2500-1; Category B-F; Item No.B05.10 - Surface Examination and Category B-J; Item B09.011 - Surface Examination

III. Basis for Requesting Relief:

Relief requested from surface examination only.

Approximately 40 man-hours would be required to prepare each of the two core flood nozzle safe ends for inspection. The preparation would involve removal of the refueling canal seal plate, shielding bricks, shielding supports in the nozzle area, and insulation. The radiation levels in this area are expected to be 0.51 R/hr. An alternative approach is to enter from the bottom of the vessel and build a scaffold approximately 30 feet high to reach the nozzles. This approach would require approximately 80 man-hours, 40 in 0.51 R/hr. area and the other 40 in the 1-2 R/hr. radiation present at the bottom of the reactor vessel, for a total exposure of 80-140 Man-Rem. Shielding is considered impractical in this area. Any remote inspection would require practically the same preparation work.

IV. Alternate Examination:

Welds will be examined by automated UT from the inside surface using the technique demonstrated by the B&W Owners Group in Lynchburg VA, on August 11, 1993 for the NRC. This will provide an acceptable level of quality and safety and not endanger the public health and safety.

V. Implementation Schedule:

Core Flood nozzle-to-safe end and safe end-to-pipe welds will be inspected at or near the end of the third ten year interval.

Evaluated By:

G. J. Hogge, Jr

Date

5-11-94

Reviewed By:

J. Barlow

Date

5/12/94

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RECORDS AND REPORTS MANAGEMENT BRANCH

DUKE POWER COMPANY  
Request for Relief From  
Inservice Inspection Requirement

Station: **Oconee**

Unit: **1,2 & 3**

Requesting Department: **Nuclear Generation**

Reference Code: **ASME Boiler and Pressure Vessel Code, Section XI 1989  
Edition, no Addenda**

I. Component for which exemption is requested:

a. Name and Identification Number:

Reactor Vessel Nozzle to Pipe Welds.

Isometrics: System 50, ISO 26 (Unit 1) (Attachment "A")  
System 50, ISO 9 (Unit 2) (Attachment "B")  
System 50, ISO 29 (Unit 3) (Attachment "C")

Oconee 1

<u>Item No.</u>	<u>ID No.</u>
B09.011.065A	1-PHA-1
B09.011.015A	1-PDA1-9
B09.011.031A	1-PDA2-9
B09.011.077A	1-PHB-1
B09.011.047A	1-PDB1-9
B09.011.063A	1-PDB2-9

Oconee 2

<u>Item No.</u>	<u>ID No.</u>
B09.011.019A	2-PHA-1
B09.011.032A	2-PDA1-8
B09.011.033A	2-PDA2-8
B09.011.021A	2-PHB-1
B09.011.034A	2-PDB1-8
B09.011.035A	2-PDB2-8

Oconee 3

<u>Item No.</u>	<u>ID No.</u>
B09.011.001A	3-PHA-1
B09.011.018A	3-PDA1-8
B09.011.020A	3-PDA2-8
B09.011.003A	3-PHB-1
B09.011.022A	3-PDB1-8
B09.011.024A	3-PDB2-8

b. Function:

Provides reactor coolant flow to steam generators

c. ASME Section XI Code Class:

Class 1

d. Construction Code and Class (If Applicable):

ASME Section III, Class 1

e. Valve Category (If Applicable):

NA

II. Reference Code Requirement that has been determined to be impractical:

Table IWB-2500-1; Category B-J; Item B9.11; Surface examination

III. Basis for Requesting Relief:

Relief requested from surface examination only.

There are four inlet and two outlet nozzle to pipe welds in each Oconee Reactor Coolant System. These nozzles are SA 508 Cl. 2, welded to A106 Gr. C pipe. The inlet nozzle welds are 33.50" in diameter, 2.33" nominal wall thickness and the outlet nozzles are 36" diameter, 2.86" nominal wall thickness. These welds will be volumetrically inspected from the inside surface using a contact automated ultrasonic technique, which will not require access to the OD surface of the weld. Preparing these welds for surface inspection will require removal of the refueling canal seal plate, shielding bricks, shielding supports in the nozzle areas, and insulation. This would require approximately 300 man-hours of work in a 700-1000 MR/hour area. Shielding would be impractical in this area due to the limited space and close proximity to the reactor vessel.

IV. Alternate Examination:

Welds will be examined by automated UT from the inside surface using the technique demonstrated by the B&W Owners Group in Lynchburg VA, on August 11, 1993 for the NRC. This will provide an acceptable level of quality and safety and not endanger the public health and safety.

V. Implementation Schedule:

The outlet nozzle to pipe welds were examined during the third inspection period of the second interval. The inlet nozzle to pipe welds will be examined during the third inspection period of the third interval.

Evaluated By: A.J. Hogge, Jr Date 5-11-94

Reviewed By: J. Barlow Date 5/12/94

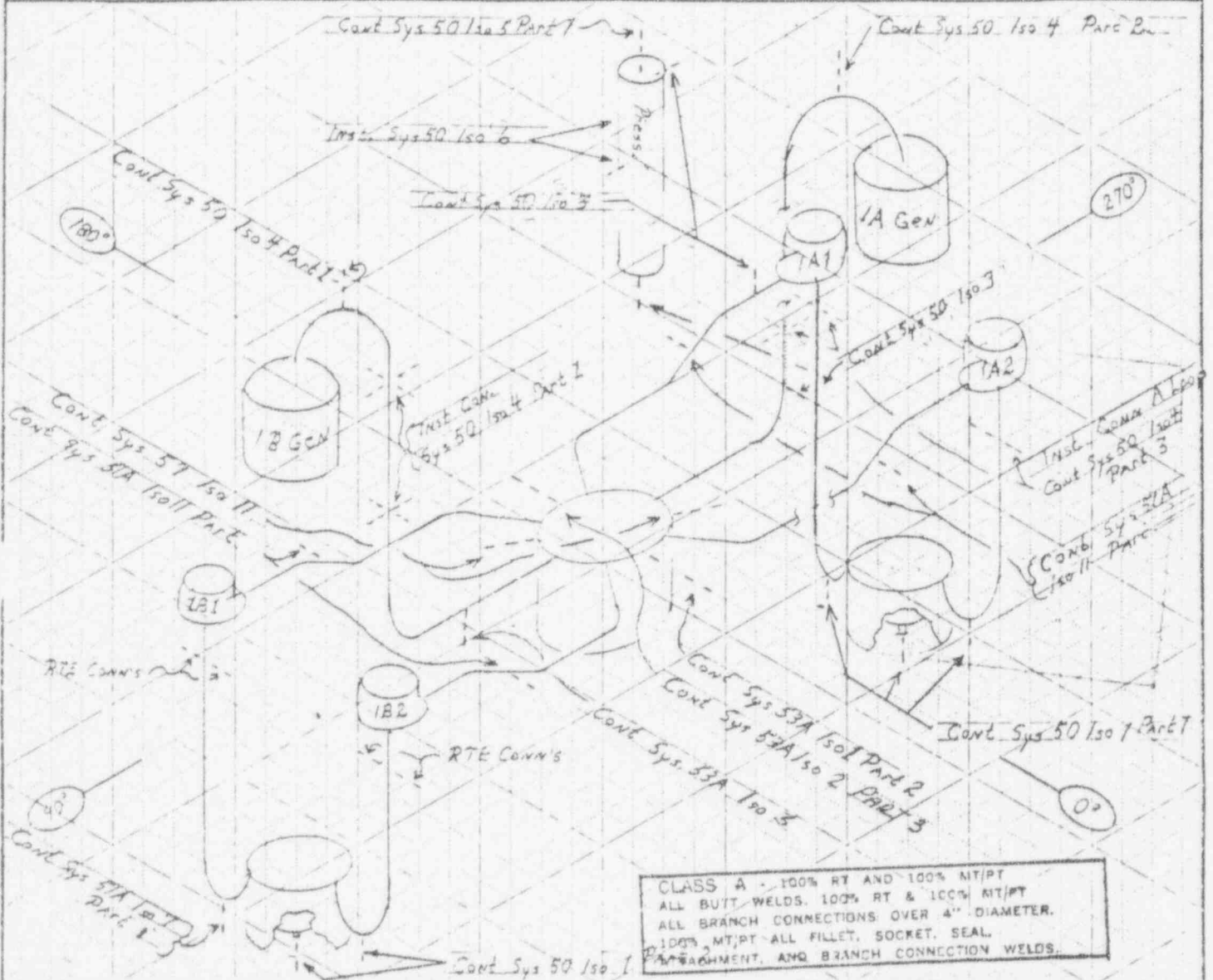
Ellensburg  
Cater

DUKE POWER COMPANY  
CONSTRUCTION DEPARTMENT

MAIN COOLANT LOOP  
REFERENCE

# ISOMETRIC SKETCH

PROJECT OCQV55 SYSTEM 50 SUB SYSTEMS \_\_\_\_\_ UNIT 7 ISO. NO. \* 26 REV. NO. 0  
 CLASS \_\_\_\_\_ MATERIAL P-W F19950 WELDING PROCEDURE \_\_\_\_\_ LAST WELD NO. \* \_\_\_\_\_ DATE 12-2-72



REF. DWG. NOS.		SIZE x WALL THICKNESS	WELD NUMBERS	NDT CODE	ISO. REV. NO.	CHANGES	ISO. REV. NO.	CHANGES
DWG.	REV.					± WELD NOS.		± WELD NOS.
						Add Conn's		

\*ALL WELD NUMBERS SHOWN ABOVE ARE PRECEDED BY THE ISO. NO.

RLM  
 ONS-002 ATTACHMENT "A"



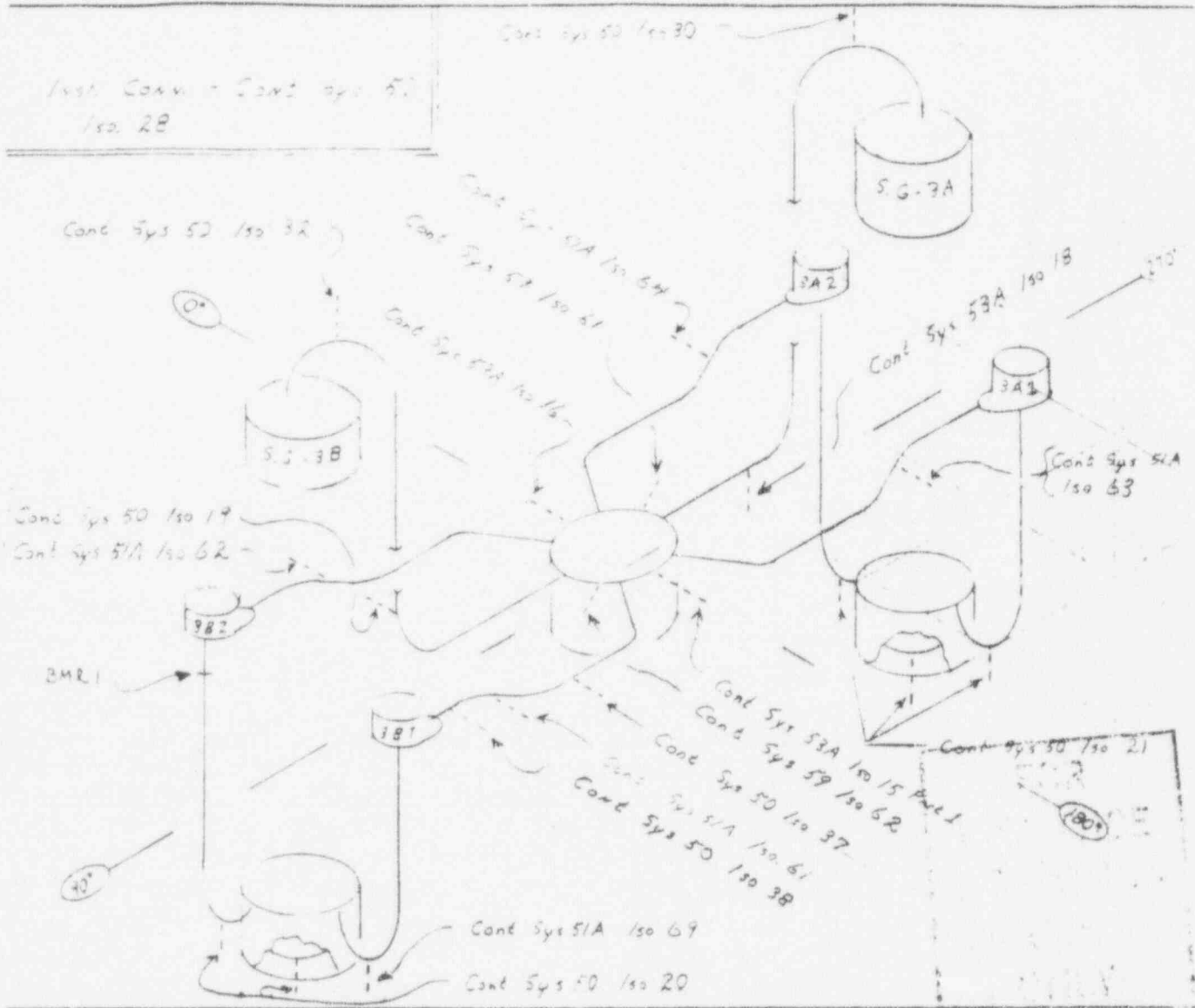


Ellenburg  
Cater  
No Freeman Review

DUKE POWER COMPANY MAIN COOLANT Loop - Unit 5  
CONSTRUCTION DEPARTMENT  
Issued for P...  
purposes.

ISOMETRIC SKETCH

PROJECT CCONEE SYSTEM 50 H SYSTEMS 1 UNIT 3RB ISO NO. 29 REV NO 1  
CLASS A MATERIAL YA WELDING PROCEDURE YA LAST WELD NO. 1 DATE 8-10-32



REF DWG NOS	SIZE x WALL THICKNESS	WELD NUMBERS	NDT CODE	ISO REV NO	CHANGES WELD NOS	ISO REV NO	CHANGES WELD NOS
DWG	REV						
SY 122-122		20" VENDOR SUPPLIED	BMR1		+ BMR1		
SY 122-123							

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DUKE POWER COMPANY  
Request for Relief From  
Inservice Inspection Requirement

Station: **Oconee**

Unit: **1,2 & 3**

Requesting Department: **Nuclear Generation**

Reference Code: **1989 Edition of ASME Section XI, no addenda**

I. Component for which exemption is requested

a. Name and Identification Number:

NA

b. Function:

NA

c. ASME Section XI Code Class:

1, 2 and 3

d. Construction Code and Class (If Applicable):

NA

e. Valve Category (If Applicable):

NA

II. Reference Code Requirement that has been determined to be impractical:

IWA-5250      CORRECTIVE MEASURES

Paragraph IWA-5250 (a)(2) "if leakage occurs at a bolted connection, the bolting shall be removed, VT-3 visually examined for corrosion, and evaluated in accordance with IWA-3100.

III. Basis for Requesting Relief:

Removal of all bolting at a bolted connection is not always required to assure the connection has not degraded. In addition, some connections are more difficult to seal after disassembly when compared to retorquing an already assembled connection. Complete disassembly of a connection in a radiation area would also increase personnel exposure. ASME has recognized such situations and changed this requirement to allow removal and evaluation of one bolt closest to the leak in a bolted connection identified as leaking.

IV. Alternate Examination:

In lieu of removing all bolting at leaking connections, we intend to adopt the requirements of the 1990 addenda that allows for only the one bolt closest to the leak be removed and examined visually by a VT-3 inspector.

This alternative examination will provide an acceptable level of quality and safety and not endanger the public health and safety.

V. Implementation Schedule:

We intend to implement this alternate examination with the start of refueling outage number 16 (first outage of the third interval for Unit 1); Outage Number 15 (first outage of the third interval for Unit 2); Outage Number 15 (first outage of third interval for Unit 3), and thereafter for the entire third interval.

Evaluated By:

A. J. Hogge, Jr.

Date

5-11-94

Reviewed By:

J. Barlow

Date

5/12/94

DUKE POWER COMPANY  
Request for Relief From  
Inservice Inspection Requirement

Station: **Oconee**

Unit: **1,2 & 3**

Requesting Department: **Nuclear Generation**

Reference Code: **ASME Section XI, 1989 Edition, no addenda**

I. Component for which exemption is requested:

a. Name and Identification Number:

Control Rod Drive Mechanism (CRDM) Motor Tube To Nozzle  
Pressure Retaining Bolting. Diamond Power Dwg. 7032551058-D  
(Attachment "A")

Oconee 1

Item No.

ID No.

B07.080.001

1-RPV-CRD-BOLTS

Oconee 2

Item No.

ID No.

B07.080.001

2-RPV-CRD-BOLTS

Oconee 3

Item No.

ID No.

B07.080.001

3-RPV-CRD-BOLTS

b. Function:

To secure the motor tube to the reactor vessel and to seal off the  
RCS to prevent leakage

c. ASME Section XI Code Class:

Class 1

d. Construction Code and Class (If Applicable):

N/A

e. Valve Category (If Applicable):

N/A

II. Reference Code Requirement that has been determined to be impractical: ASME Boiler and Pressure Vessel Code Section XI, 1989 Edition, no addenda, paragraph IWB-2430(a), which requires that bolting showing indications exceeding the standards allowed by IWB-3000 require additional number of components be examined. The purpose of this Code requirement is to assure other CRDM bolting material is not degraded due to the same cause.

III. Basis for Requesting Relief:

During each refueling outage since December 1980, all CRDMs have been visually examined for evidence of RCS leakage. This inspection is documented as part of the Oconee response to Generic Letter 88-05 and IE Bulletin 82-02. During the Unit 3 End of Cycle 11 Refueling Outage, 11 CRDMs exhibited evidence of RCS leakage (see attached figure). Each of these CRDMs were disassembled and examined pursuant to the requirements of Table IWB-2500-1 Item B7.80. This process involved approximately 24 person-rem of exposure.

Of the 11 disassembled CRDMs only 1/2 of 1 nut ring exceeded the criteria of IWB-3000. Damage to this nut ring was specifically due to corrosion as a result of exposure to RCS leakage. As a result of this indication, IWB-2430(a) requires an additional sample of CRDMs be examined.

The requirements of IWB-2430(a) have been determined to be impractical, because it may unnecessarily require disassembly and VT-1 examination of CRDM bolting material which was not affected by RCS leakage. Further, disassembly and VT-1 examination of the additional CRDMs will involve approximately 20 - 30 person-rem of radiation exposure to personnel.

IV. Alternate Examination:

During each refueling outage all CRDM flanges will be visually examined per station procedures for evidence of leakage in compliance with the Oconee Nuclear Station response to the NRC Generic Letter 85-005 and IE Bulletin 82-02. Corrective action will be based upon the results of those examinations, and will include replacement of all affected bolting. Inspection of any required

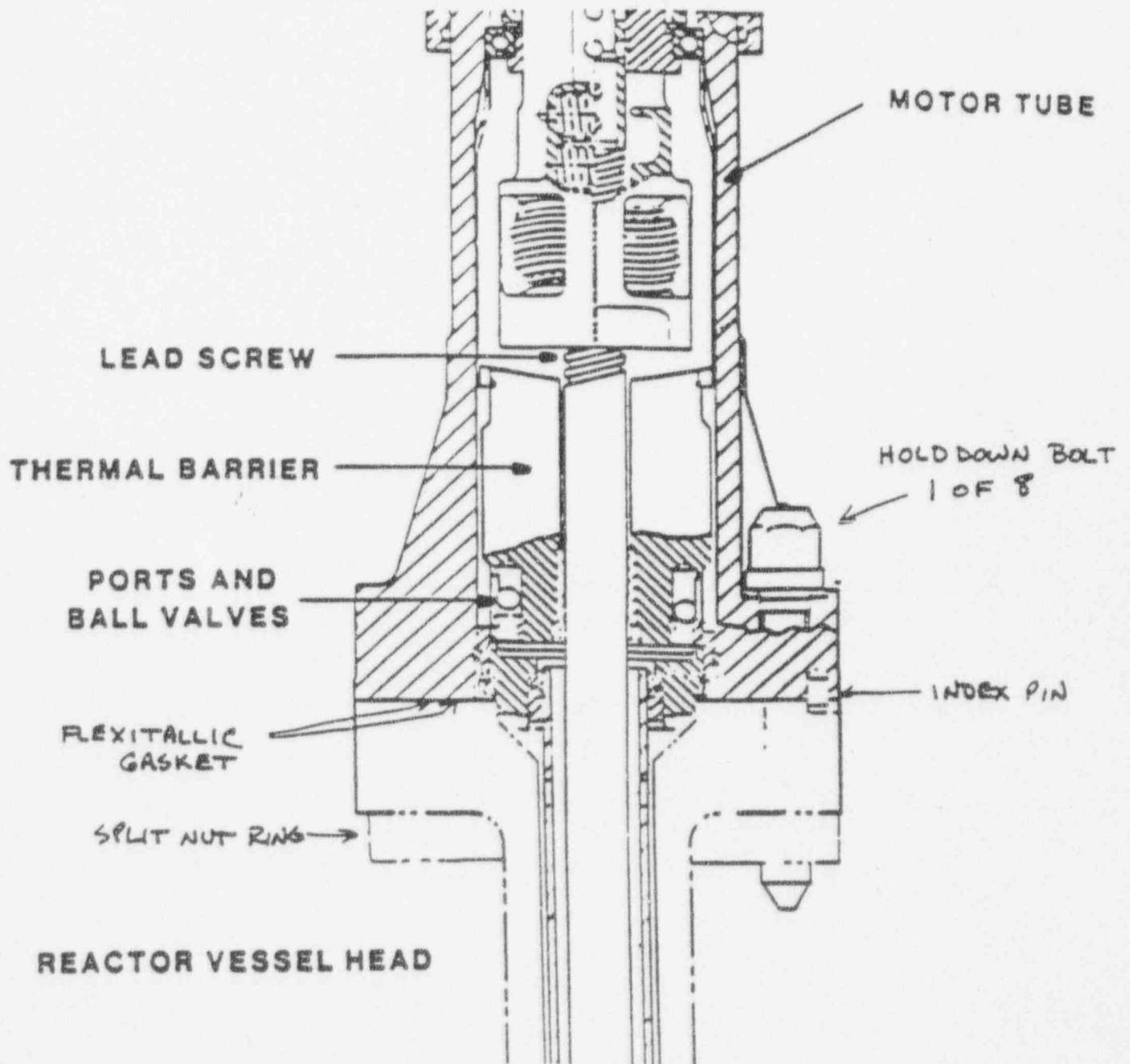
additional samples of bolting material during CRDM maintenance not associated with flange leakage will be performed in accordance with the requirements of IWB-2430(a). This will provide an acceptable level of quality and safety and not endanger the public health and safety.

V. Implementation Schedule:

This request was approved for the second ten year inservice inspection interval and will be continued for the third ten year inservice inspection interval, for Units 1,2 & 3.

Evaluated By: A. J. Hogge, Jr Date 5-11-94

Reviewed By: J. Barlow Date 5/12/94



ONS-004 ATTACHMENT "A"

TITLE CONTROL ROD DRIVE MECHANISM	NOTES THERMAL BARRIER	REV OC-PNS-CRD-10, 12-3-86 BY Diamond Power 7032551058-1 DATE DMC / ARB TOTAL METRIC PAIV
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DUKE POWER COMPANY

Request for Relief From  
Inservice Inspection Requirement

Station: Oconee

Unit: 1, 2 & 3

Requesting Department: Nuclear Generation

Reference Code: ASME Section XI, 1989 Edition, no addenda

I. Component for which exemption is requested:

a. Name and Identification Number:

Control Rod Drive Mechanism (CRDM) Motor Tube To Nozzle  
Pressure Retaining Bolting. Diamond Power Dwg. 7032551058-D  
(Attachment "A")

Oconee 1

<u>Item No.</u>	<u>ID No.</u>
B07.080.001	1-RPV-CRD-BOLTS

Oconee 2

<u>Item No.</u>	<u>ID No.</u>
B07.080.001	2-RPV-CRD-BOLTS

Oconee 3

<u>Item No.</u>	<u>ID No.</u>
B07.080.001	3-RPV-CRD-BOLTS
B07.080.002	3-RPV-CRD-RINGS

b. Function:

To secure the motor tube to the reactor vessel and to seal off the  
RCS to prevent leakage.

c. ASME Section XI Code Class:

Class 1

d. Construction Code and Class (If Applicable):

N/A

e. Valve Category (If Applicable):

N/A

II. Reference Code Requirement that has been determined to be impractical:

ASME Boiler and Pressure Vessel Code Section XI, 1989 Edition, no addenda paragraph IWB-2500 Item Number B07.80 requires CRDM bolting material to undergo VT-1 visual examination when disassembled. The intent of this code requirement is to assure the disassembled bolting material is acceptable for re-use and to increase confidence that there is not a generic problem occurring that should be further investigated through additional inspections.

III. Basis for Requesting Relief:

Per Oconee Nuclear Station policy, CRDM bolting material removed due to exposure to RCS leakage is not re-used because the excessive boron deposit degradation makes it unsuitable for further use. It is replaced during maintenance for flange leakage by new material that has a pre-service examination performed on it prior to installation. The boron deposit degradation makes it virtually impossible to perform a meaningful inservice inspection. As a result, Table IWB-2500-1 Item Number B7.80 requirements for VT-1 examination of bolting material when CRDMs are disassembled due to RCS leakage indications ( see attachment " A " ) are unnecessary since the material will not be re-used and is in no condition to disclose any possible generic problems. In addition, VT-1 examination of the bolting material which will not be re-used involves significant unnecessary radiation exposure to personnel.

IV. Alternate Examination:

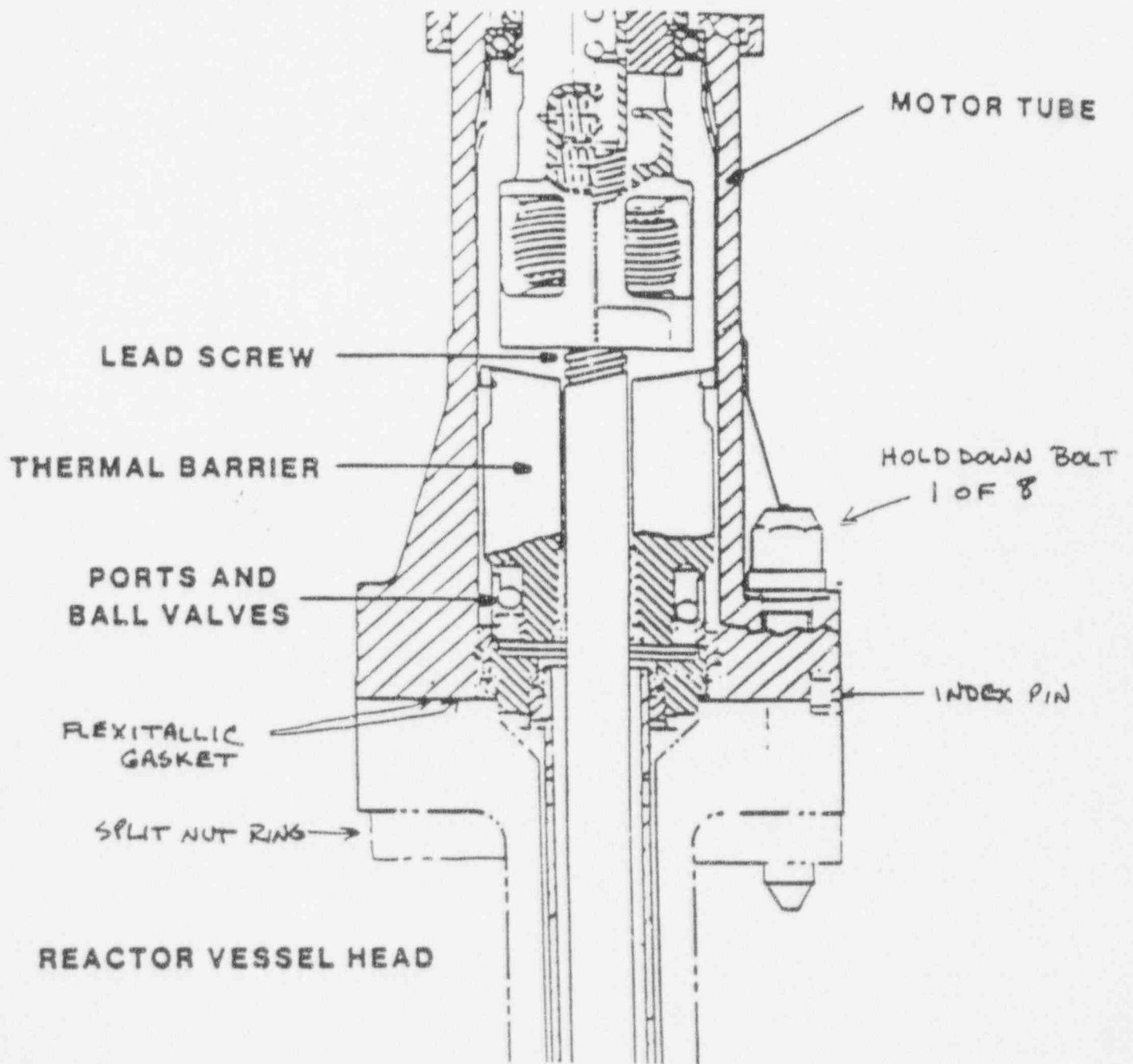
During each refueling outage all CRDM flanges will be visually examined per station procedures for evidence of leakage in compliance with the Oconee Nuclear Station response to the NRC Generic Letter 85-005 and IE Bulletin 82-02. Corrective action (including replacement of affected bolting) will be based upon the results of those examinations. Inspection of bolting material during CRDM maintenance not associated with flange leakage will be performed in accordance with the requirements of Table IWB-2500-1 Item Number B7.80.

Replacement of bolting material, as a matter of policy, removes the necessity for examination of the material for continued service. Pre-service examination of replacement material ensures the achievement of an acceptable level of safety for the replacement material.

V. Implementation Schedule:

This request was approved for the second ten year inservice inspection interval and will be continued for the third ten year inservice inspection interval for Units 1,2 & 3.

Evaluated By: A. J. Hogg Jr Date 5-11-94  
Reviewed By: J. B. Barlow Date 5/12/94



ONS-005 ATTACHMENT "A"

TITLE CONTROL ROD DRIVE MECHANISM	PART THERMAL BARRIER	ENG OC-PNS-CRD-10, REV 12-3-86 BY Diamond Power 70325510580 DMC / ARB RPB TOTAL METRIC REV
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DUKE POWER COMPANY

Request for Relief From  
Inservice Inspection Requirement

Station: **Oconee**

Unit: **1, 2 & 3**

Requesting Department: **Nuclear Generation**

Reference Code: **ASME Section XI, 1989 Edition, no addenda**

I. Component for which exemption is requested:

a. Name and Identification Number:

Reactor Pressure Vessel 36" outlet nozzle-to-vessel welds and outlet nozzle-to-pipe welds (Unit 1 OM-201-5) Attachment ("A"); (Unit 2 OM-1201-4) Attachment ("B"); (Unit 3 OM-2201-52) Attachment ("C").

Oconee 1

<u>Item No.</u>	<u>ID No.</u>	<u>Description</u>
B03.090.001A	1-RPV-WR13	Noz. to Vsl
B03.090.002A	1-RPV-WR13A	Noz. to Vsl
B03.100.001	1-RPV-WR13	Inside Radius
B03.100.002	1-RPV-WR13A	Inside Radius
B09.011.065	1-PHA-1	Noz. to Pipe
B09.011.077	1-PHB-1	Noz. to Pipe

Oconee 2

<u>Item No.</u>	<u>ID No.</u>	<u>Description</u>
B03.090.001A	2-RPV-WR13	Noz. to Vsl
B03.090.002A	2-RPV-WR13A	Noz. to Vsl
B03.100.001	2-RPV-WR13	Inside Radius
B03.100.002	2-RPV-WR13A	Inside Radius
B09.011.019	2-PHA-1	Noz. to Pipe
B09.011.021	2-PHB-1	Noz. to Pipe

Oconee 3

<u>Item No.</u>	<u>ID No.</u>	<u>Description</u>
B03.090.001A	3-RPV-WR13	Noz to Vsl
B03.090.002A	3-RPV-WR13A	Noz to Vsl
B03.100.001	3-RPV-WR13	Inside Radius
B03.100.002	3-RPV-WR13A	Inside Radius
B09.011.001	3-PHA-1	Noz to Pipe
B09.011.003	3-PHB-1	Noz to Pipe

b. Function:

Welded connection between the reactor pressure vessel and respective reactor coolant piping providing a flow path to the steam generator.

c. ASME Section XI Code Class:

Class 1

d. Construction Code and Class (If Applicable):

ASME Section III, 1965 Edition with Summer 1967 Addenda; Class 1

e. Valve Category (If Applicable):

N/A

II. Reference Code Requirement that has been determined to be impractical:

ASME Boiler and Pressure Vessel Code Section XI, 1989 Edition, no addenda, Table IWB-2500-1 (Category B-D), Item Numbers B3.90 and B3.100. NOTE (2): At least 25% but not more than 50% (credited) of the nozzles shall be examined by the end of the first inspection period of each inspection interval.

ASME Boiler and Pressure Vessel Code Section XI, paragraph IWB-2420(a): The sequence of component examinations established during the first inspection interval shall be repeated during each successive inspection interval to the extent practical.

III. Basis for Requesting Relief:

During the first period of the second ten year inspection interval at Oconee Nuclear Station the reactor vessel 36" outlet nozzle-to-vessel welds, including nozzle-to-pipe welds, were examined using Babcock & Wilcox's Automated Reactor Inspection Tool (ARIS). The two nozzle welds examined met the 25% requirement of Table

IWB-2500-1. No recordable indications were detected.

During the third period of the second ten year inspection interval all reactor vessel nozzle-to-vessel and respective nozzle-to-pipe welds were examined using ARIS. Included in this examination was the 36" outlet nozzle-to-vessel and nozzle-to-pipe welds examined during the first period. The re-examination of these 36" outlet nozzles was performed meeting the requirements of the 1989 ASME Section XI Code. Credit will be applied to the third interval, first period requirement for the 36" outlet nozzle-to-vessel welds. Category B-D, Items B3.90 and B3.100. These examinations will not be performed during the first period of the third inspection interval.

Following this inspection sequence will substantially reduce radiation exposure (2 man-rem), critical path time (300 man hours), contaminated shipments, and generation of rad-waste, without effecting the safe operation or reliability of the of the reactor vessel.

IV. Alternate Examination:

Automated re-examination of all the reactor vessel nozzle-to-vessel welds, including respective nozzle-to-pipe welds will be deferred to the last period of the third ten year inspection interval.

V. Implementation Schedule:

Examinations are scheduled to be performed during the third inspection period as follows:

Refueling Outage 21, 2003	(Unit 1)
Refueling Outage 20, 2003	(Unit 2)
Refueling Outage 21, 2004	(Unit 3)

Evaluated By:

A. J. Hogge, Jr.

Date

5-11-94

Reviewed By:

J. R. Barbour

Date

5/12/94

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3

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DUKE POWER COMPANY

Request for Relief From  
Inservice Inspection Requirement

Station: **Oconee**

Unit: **2 & 3**

Requesting Department: **Nuclear Generation**

Reference Code: **ASME Section XI, 1989 Edition, no addenda**

I. Component for which exemption is requested:

a. Name and Identification Number:

Reactor Coolant Pump 2A1 & 3B1(Duke System No. 50).  
OM-1201D-5 (Attachment "A")

b. Function:

The Reactor Coolant Pump recirculates primary (borated ) coolant water from the Once Through Steam Generator (OTSG) in its respective loop to the reactor vessel.

c. ASME Section XI Code Class:

Class 1

d. Construction Code and Class (If Applicable):

N/A

e. Valve Category (If Applicable):

N/A

II. Reference Code Requirement that has been determined to be impractical:

ASME Boiler and Pressure Vessel Code Section XI, Article IWB-2420 (A), The Sequence of Component Examinations, Item B12.010.001 (Unit 2) and Item B12.010.003 (Unit 3).

III. Basis for Requesting Relief:

Reactor Coolant Pump 2A1, Casing Weld and Casing, were last examined during the Second Period of the Second Inspection Interval (RFO # 9). Reactor Coolant 3B1, Casing Weld and Casing were last examined during the First Period of the Second Inspection Interval (RFO # 9). No reportable indications were found. In order to examine these items; Casing Weld and Casing, it will require approximately 7728 man-hours and approximately 22.5 person-rem to disassemble and reassemble the Reactor Coolant Pump.

In lieu of performing this examination at this time, we propose to defer the examination until such time that maintenance activities require disassembly of the Reactor Coolant Pump.

IV. Alternate Examination:

Volumetric examination will be deferred to when maintenance activities require disassembly of the Reactor Coolant Pump.

V. Implementation Schedule:

Use of this request for relief for Units 2 & 3 will defer scheduled inspections until the pump is disassembled for maintenance purposes.

Evaluated By: *A. J. Hogge, Jr.* Date *5-11-94*

Reviewed By: *J. R. Lawrence* Date *5/12/94*

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2

APERTURE CARD/HARD COPY AVAILABLE FROM  
RECORDS AND REPORTS MANAGEMENT BRANCH

DUKE POWER COMPANY

Request for Relief From  
Inservice Inspection Requirement

Station: **Oconee**

Unit: **1, 2 & 3**

Requesting Department: Nuclear Generation

Reference Code: ASME Section XI, 1989 Edition , no addenda

I. Component for which exemption is requested:

a. Name and Identification Number:

Letdown Cooler Nozzles ( Inside Radius Section) for Units 1, 2 & 3  
OM-201-3107 (Attachment "A"). The following item numbers are  
affected:

Oconee 1

Item No.

ID No.

B03.160.001  
B03.160.002  
B03.160.003  
B03.160.004

1-LDCA-IN-V1  
1-LDCA-OUT-V2  
1-LDCB-IN-V1  
1-LDCB-OUT-V2

Oconee 2

Item No.

ID No.

B03.160.001  
B03.160.002  
B03.160.003  
B03.160.004

2-LDCA-INLET-V2  
2-LDCA-OUTLET-V5  
2-LDCB-INLET-V1  
2-LDCB-OUTLET-V2

Ocone 3

<u>Item No.</u>	<u>ID No.</u>
B03.160.001	3-LDCA-IN-V1
B03.160.002	3-LDCA-OUT-V2
B03.160.003	3-LDCB-IN-V1
B03.160.004	3-LDCB-OUT-V2

b. Function:

The Letdown Cooler reduces the temperature of the letdown flow from the Reactor Coolant System to a temperature suitable for demineralization.

c. ASME Section XI Code Class:  
Class 1

d. Construction Code and Class (If Applicable):

N/A

e. Valve Category (If Applicable):

N/A

II. Reference Code Requirement that has been determined to be impractical:

Table IWB-2500, Examination Category B-D, Item Number B03.160. Table requires that an inside radius volumetric examination be performed on heat exchanger nozzles.

III. Basis for Requesting Relief:

Due to the size and geometry of the nozzle inside radius on the Letdown Coolers, we have been unable to perform a meaningful (i.e. unable to get sound into the area of interest) volumetric examination.

IV. Alternate Examination:

Perform the volumetric examination on the weld volume, as required by ASME Section XI, Table IWB-2500-1, Examination Category B-D, Item Number B03.150. This will provide adequate Assurance of the welded connection. The alternate proposed inservice testing will provide an acceptable level of quality and safety and ensures the level of public health and safety is not reduced.

V. Implementation Schedule:

Oconee 1

<u>Item No.</u>	<u>RFO</u>
B03.160.001	16
B03.160.002	16
B03.160.003	20
B03.160.004	20

Oconee 2

<u>Item No.</u>	<u>RFO</u>
B03.160.001	15
B03.160.002	15
B03.160.003	20
B03.160.004	20

Oconee 3

<u>Item No.</u>	<u>RFO</u>
B03.160.001	17
B03.160.002	17
B03.160.003	21
B03.160.004	21

Evaluated By:

A. J. Hogge, Jr.

Date

5-11-94

Reviewed By:

J. Barkman

Date

5/12/94

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DUKE POWER COMPANY

Request for Relief From  
Inservice Inspection Requirement

Station: **Oconee**

Unit: **1, 2 & 3**

Requesting Department: Nuclear Generation

Reference Code: ASME Boiler and Pressure Vessel Code, Section XI 1989  
Edition, no addenda

- I. Component for which exemption is requested:
  - a. Name and Identification Number:  
Main Steam A & B (See Attachment 1 for Weld Identification)
  - b. Function:  
Nozzles for Main Steam Relief Valves
  - c. ASME Section XI Code Class:  
Class 2
  - d. Construction Code and Class (If Applicable):  
N/A
  - e. Valve Category (If Applicable):  
N/A



II. Reference Code Requirement that has been determined to be impractical:

Table IWC-2500-1; Category C-F-2 ; Item No. C05.081 ; Pipe Branch Connections of Branch Piping equal to or greater than NPS 2 ; Circumferential Weld.

III. Basis for Requesting Relief:

Welds are inaccessible for surface examination due to location of guard pipe (See Attachment 2 for sketch).

IV. Alternate Examination:

Surface examination (MT) of welds shown on Attachment 2 . The system pressure test , when performed, will provide additional assurance of the integrity of the branch connection welds. These examinations will assure the safety and health of the public is not reduced as a result of this request.

V. Implementation Schedule:

Examinations shall be accomplished as follows:

Unit 1 : Refueling Outages 17, 18, 20, & 21

Unit 2 : Refueling Outages 15,16,17,18,19, & 20

Unit 3 : Refueling Outages 15,16,17,18,19,20 & 21

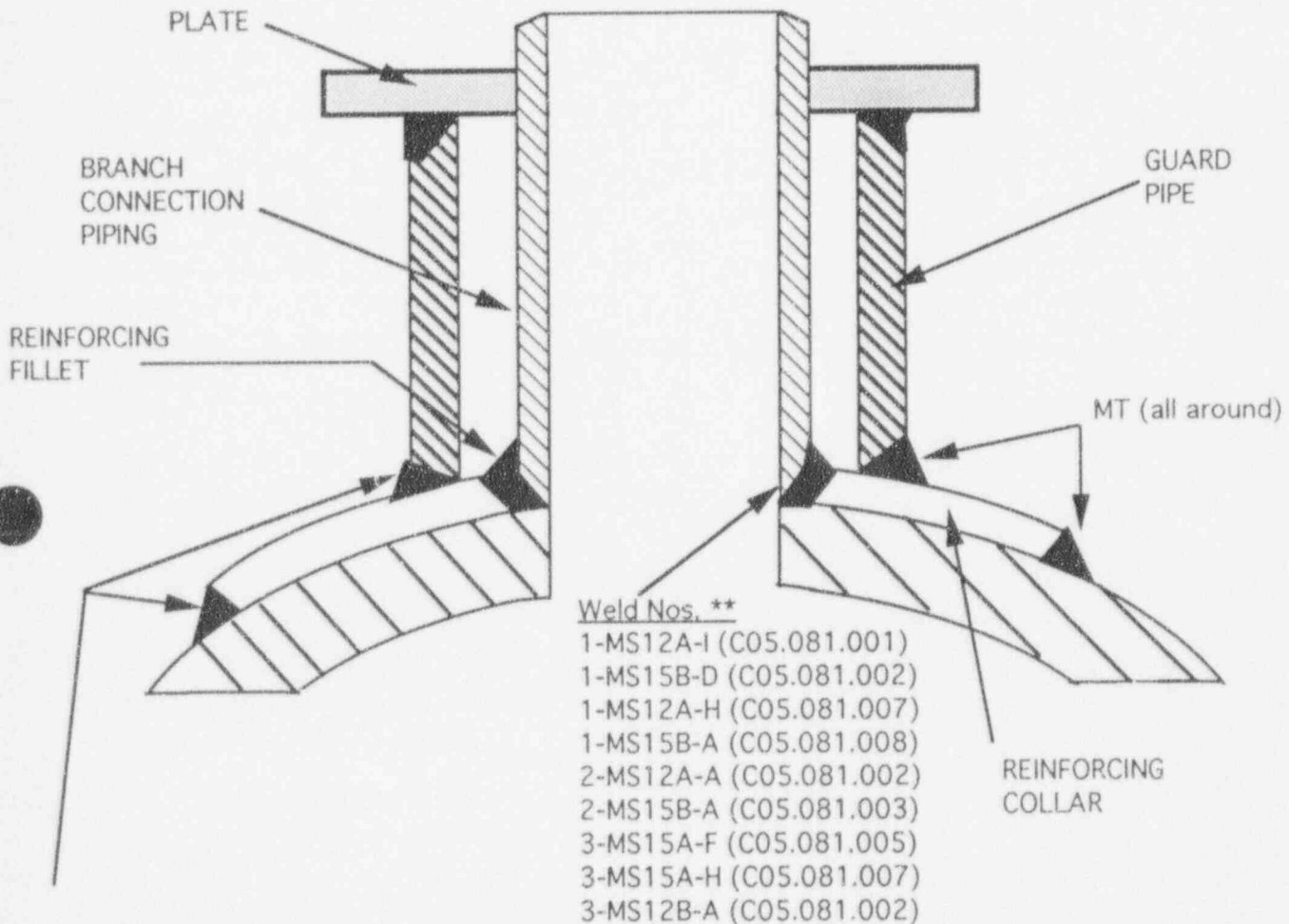
Evaluated By: A.J. Hogge Jr Date 5-11-94

Reviewed By: J. Barbour Date 5/12/94

TABLE OF WELD IDENTIFICATION

UNITS 1, 2 & 3

SYSTEM	ISOMETRIC	WELD NUMBER	ITEM NO.	COMMENT
Main Steam A	1-MS12A-H	1-MS12A-H	C05.081.001	Unit 1
Main Steam B	1-MS12A-I	1-MS12A-I	C05.081.002	Unit 1
Main Steam B	1-MS15B-A	1-MS15B-A	C05.081.007	Unit 1
Main Steam B	1-MS15B-D	1-MS15B-D	C05.081.008	Unit 1
Main Steam A	2-MS12A-A	2-MS12A-A	C05.081.002	Unit 2
Main Steam B	2-MS15B-A	2-MS15B-A	C05.081.003	Unit 2
Main Steam A	3-MS15A-F	3-MS15A-F	C05.081.005	Unit 3
Main Steam A	3-MS15A-H	3-MS15A-H	C05.081.007	Unit 3
Main Steam B	3-MS12B-A	3-MS12B-A	C05.081.002	Unit 3



These two welds will be examined under weld identification numbers of 1-MS12A-I-1 (C05.081.009), 1-MS15B-D-1 (C05.081.010), 1-MS12A-H-1 (C05.081.011) and 1-MS15B-A-1 (C05.081.012), 2-MS12A-A-1 (C05.081.006) and 2-MS15B-A-1 (C05.081.007) 3-MS12B-A-1 (C05.081.003) and 3-MS15-A-F-1 (C05.081.006) and 3-MS15A-H-1 (C05.081.008) respectively and will be treated as one weld. These welds will be examined in lieu of weld nos. referenced above which are inaccessible due to the guard pipe.

\*\* Welds will be examined if the guard pipe is ever removed.

DUKE POWER COMPANY

Request for Relief From  
Inservice Inspection Requirement

Station: Oconee

Unit: 3

Requesting Department: Nuclear Generation

Reference Code: ASME Boiler and Pressure Vessel Code, Section XI 1989  
Edition, No Addenda

- I. Component for which exemption is requested:
  - a. Name and Identification Number:  
3A2 and 3B1 Reactor Coolant Pump Flange Stud Holes  
(See Attachments "A" & "B")
  - b. Function:  
Studs attach the pump motor stand to the pump and clamp the stuffing  
box in place
  - c. ASME Section XI Code Class:  
ISI Class A / Duke Class A
  - d. Construction Code and Class (If Applicable):  
N/A
  - e. Valve Category (If Applicable):  
N/A

II. Reference Code Requirement that has been determined to be impractical:

ASME Boiler and Pressure Vessel Code Section XI , 1989 Edition (No Addenda) Paragraph IWB-2420 (b) , which states that if flaw indications are evaluated in accordance with IWB-3122.4 and the component qualifies as acceptable for continued service, the areas containing such flaw indications shall be re-examined during the next three successive inspection periods.

During Outage 9 as part of the Ten Year Inservice Inspection Plan (as reported June 19, 1987 pursuant to IWA-6230), Reactor Coolant Pumps (RCP) 3A1 and 3A2 Main Flange Studs and RCP 3B1 Seal Gland Bolts received an ultrasonic examination. RCPs 3A1,3A2,3B1, and 3B2 Flange Surfaces and RCPs 3A1 and 3A2 Main Flange Nuts, Bushings, and Washers received a visual examination. Reportable indications were found on RCPs 3A2 and 3B1 Stud Holes. An engineering evaluation has been performed and results indicate that damaged threads in stud holes are acceptable for continued operation of RCPs and 3A2 and 3B1. The results of the evaluation are based on an analysis which indicates that the RCPs are operable with 19 of 20 studs in place.

III. Basis for Requesting Relief:

The damage to the stud hole threads is not due to cracks in the base metal or pitting caused by boric acid corrosion but instead more characteristic of damage done during the process of removing the studs. The damage to the threads on the 3A2 RCP Casing is typically seen after removing a stuck stud. The damage on 3B1 Casing is typical of damage due to stud handling during removal and installation.

In addition, past experience has shown that it is not practical to remove a single stud without loosening all studs. Loosening all studs is necessary in order to allow some float in the motor stand and motor such that the stud to be removed will not bind. However, this would require removal of the pump in order to replace the flexatalic gasket which would then result in 25 person rem of additional unnecessary radiation exposure per pump. as such, performance of IWB-2420 required re-examinations during the next three inspection periods has been determined to be impractical.

IV. Alternate Examination:

During each refueling outage, the flange joint and surrounding area will be inspected for any accumulation of boron or visible stud degradation. If any degradation is noted, actual dimensional checks will be made of the studs. Additionally, when a RCP is disassembled for maintenance activities, all stud holes will be inspected as required by the Code. Stud holes will be examined during the Third Ten Year Interval as part of the Inservice Inspection Program.

The proposed alternate examination will minimize the possibility of further damage to the stud hole threads during removal and replacement.

The IWB-2420 required re-examinations verify operability of the subject studs. Evaluations indicate that the RCPs are operable with 19 of 20 studs in place. The basis for the evaluation is that even if one of the twenty studs is removed, the remaining 19 studs will still remain below the Code allowable stresses. As such, it is not necessary to take credit for the damaged stud hole. The alternate examinations assure that further stud degradation is detected and appropriate compensatory measures taken. Therefore, the proposed alternate examinations provide an acceptable level of quality and safety and will not endanger the health and safety of the public.

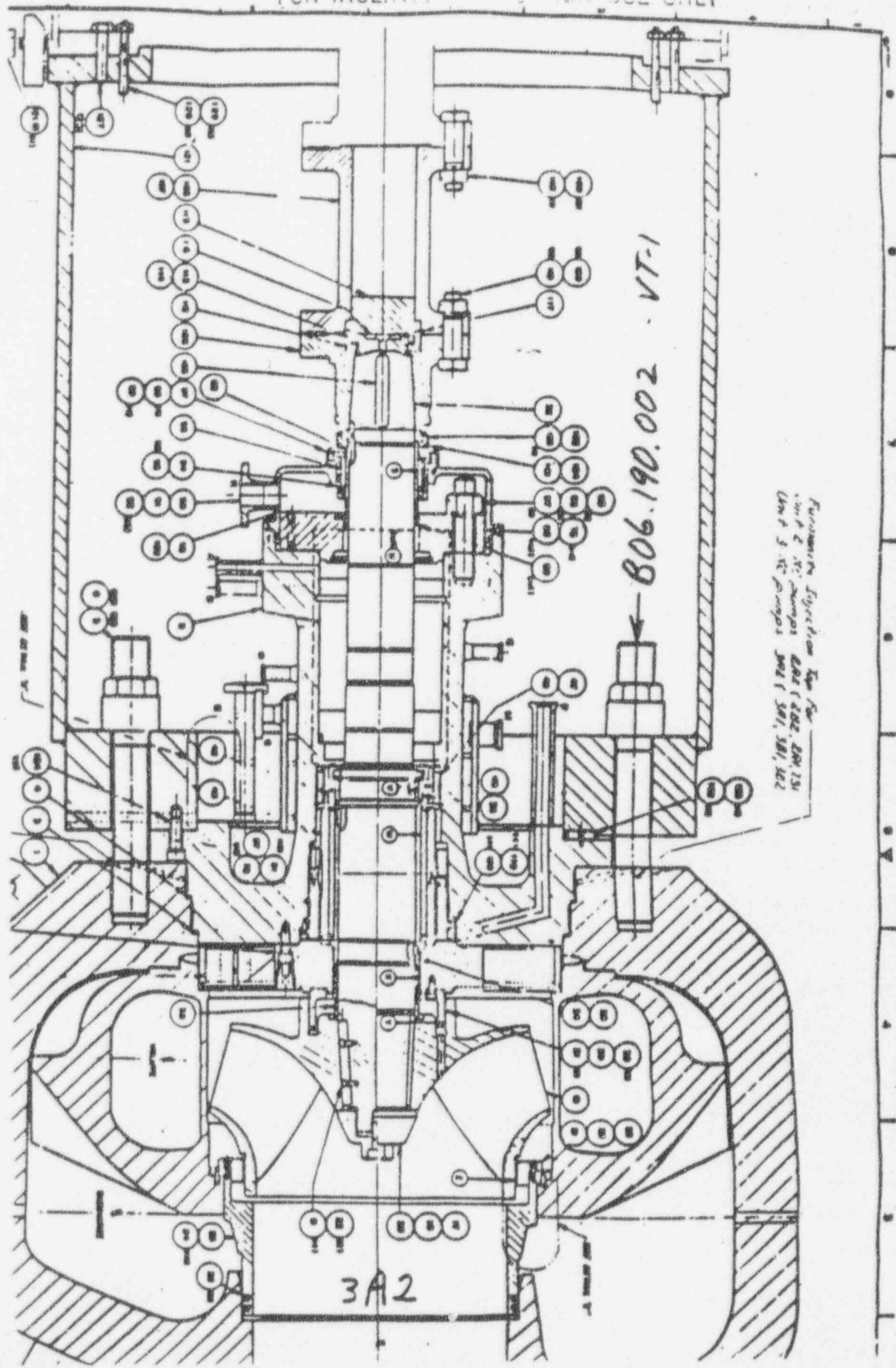
V. Implementation Schedule:

Alternate examinations will commence during the Unit 3 End of Cycle 11 Refueling Outage.

Evaluated By: A. J. Hogge, Jr Date 5-11-94

Evaluated By: J. Barlow Date 5/12/94

FOR INSERTION INTO CASE ONLY

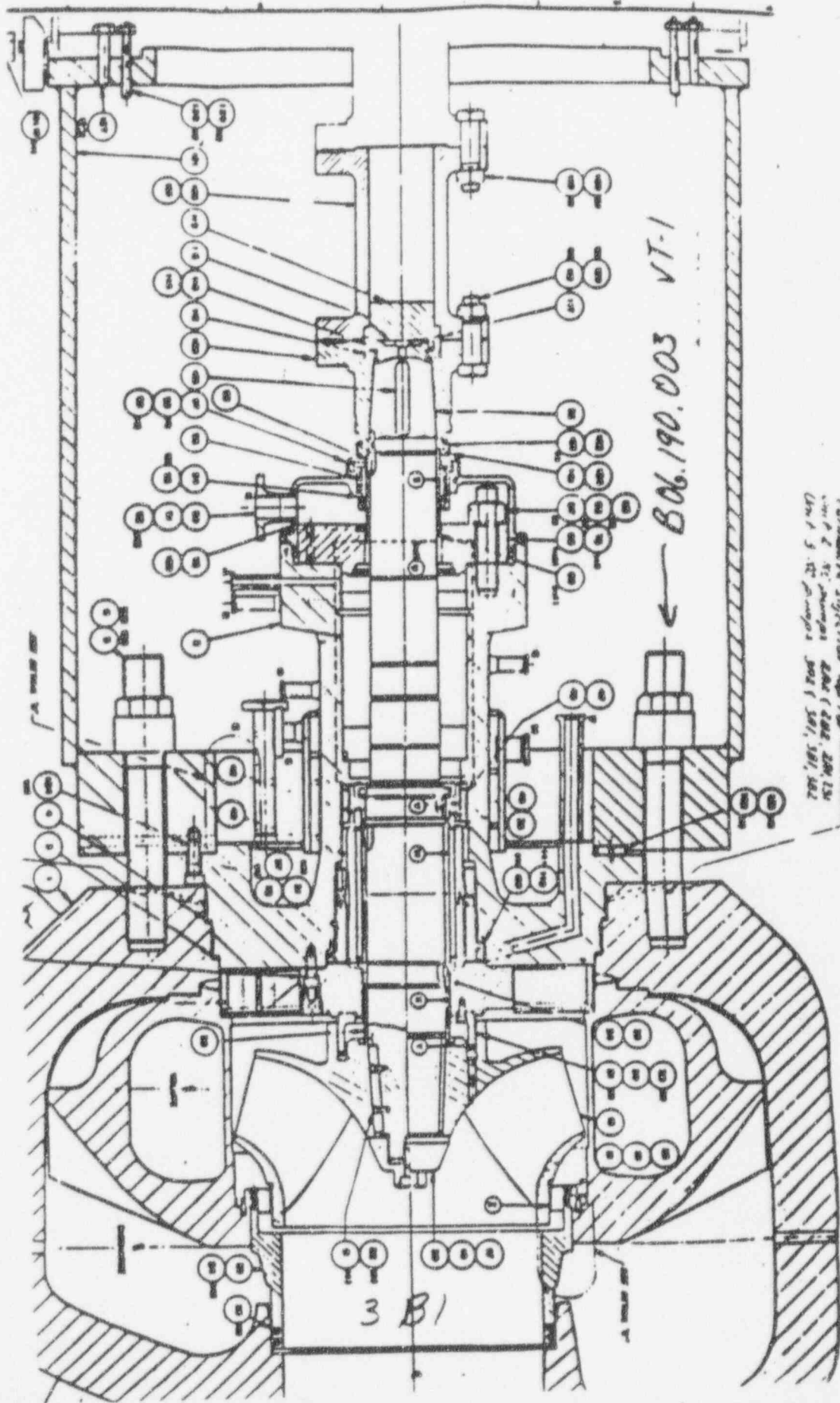


FOR INSERTION INTO CASE ONLY  
Unit 3-10 pumps and 3-11, 3-12, 3-13

3A2

806.190.002 - VT-1

FOR INSERVATION SECTION USE ONLY



← B06.190.003 VT-1

For use in the  
VT-1 & VT-2  
VT-3 & VT-4  
VT-5 & VT-6  
VT-7 & VT-8  
VT-9 & VT-10  
VT-11 & VT-12  
VT-13 & VT-14  
VT-15 & VT-16  
VT-17 & VT-18  
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VT-93 & VT-94  
VT-95 & VT-96  
VT-97 & VT-98  
VT-99 & VT-100

3 B1



## 10.0 Calibration Standards

### 10.1 Ultrasonic Calibration Standards

- 10.1.1 Calibration standards are prepared for each UT inspection listed in Section 8 of this plan. All calibration standards are designed in accordance with the requirements of ASME Section XI.
- 10.1.2 Oconee's third and fourth ten year inspection interval intermediate Reactor Pressure Vessel examinations will be performed using the calibration blocks listed in the Inservice Inspection Plan. In addition to the calibration blocks shown in the Inservice Inspection Plan, calibration block 50304 will also be used to meet near surface examination requirements of Regulatory Guide 1.150, Revision 1. Reference Section 1.0 paragraph 1.1.3 of the Inservice Inspection Plan.
- 10.1.3 Calibration standards for UT inspection shall be selected per the Calibration Block Listing. The number of the calibration standard used shall be recorded on the inspection data.

### 10.2 Eddy Current Calibration Standards

Eddy Current calibration standards are maintained by Diversified Services Group of the Generation Services Department. Eddy Current Examinations are scheduled and performed per Oconee technical specifications.

### 10.3 Calibration Standard Description

The Oconee Calibration Block Listing found in this section contains information concerning each calibration standard to be used for the inservice inspection of Oconee Units 1,2 & 3.

Duke Power Company  
Quality Assurance Technical Services  
Inservice Inspection Plan For:  
Oconee Unit 2  
Interval 3

**Calibration Block Listing**

Revision 0

Run Date: May 12, 1994

DUKE POWER COMPANY  
 QUALITY ASSURANCE TECHNICAL SERVICES  
 In-Service Inspection Database Management System  
 Calibration Block Listing

Report order: Block no.  
 Plant(s): ON2

Page 1  
 05/12/1994

BLOCK NO.	TYPE	DESCRIPTION	CODE REQ	MATERIAL TYPE/GRADE	DIAM SIZE	THICKNESS (LENGTH)	COMMENTS
40338	PLATE	36.5" x 6" x 7" SA 515 GR.70	89	CS		7.000	CLAD SS
40339	PLATE	26.5" x 6" x 5" SA 516 GR.70	89	CS		5.000	CLAD SS
40350	PLATE	11.5" x 6" x 3" SA 516 GR.70	89	CS		3.000	CLAD SS
40354	PIPE	10" SCH. 160 SA 376 T 304H	89	CS		1.125	
40378	PIPE	2.5" SCH. 160 SA 240 TYPE 304	89	SS		0.375	
40385	PLATE	3" X 6" X .75" SA 240 TYPE 304	89	SS		0.750	
40387	PLATE	6" X 7" X 28" SA508 CL.2	89	CS		7.000	HEAT# 158025C-1 SS CLAD
40388	PIPE	15.43" x 1.715" WALL SA 508-64	89	CS		1.724	STAINLESS CLAD
40389	PIPE	14" SCH. 140 SA 376 TYPE 316	89	SS		1.250	HEAT #26004
40390	ARIS	12.13" X 37.25" X 6" SA 508 CL	89	CS		12.125	170 IN. ID RADIUS SS CLAD
40392	ARIS	5"x6"x21" SA 508 CLASS 2	89	CS		5.000	STAINLESS CLAD
40393	ARIS	9" x 6" x 36" SA 533 GR. B	89	CS		9.000	SS CLAD
40394	PLATE	5" x 6" x 21" SA 515 GR. 70	89	CS		5.000	SS CLAD

DUKE POWER COMPANY  
 QUALITY ASSURANCE TECHNICAL SERVICES  
 In-Service Inspection Database Management System  
 Calibration Block Listing

Report order: Block no.  
 Plant(s): ON2

Page 2  
 05/12/1994

BLOCK NO.	TYPE	DESCRIPTION	CODE REQ	MATERIAL TYPE/GRADE	DIAM SIZE	THICKNESS (LENGTH)	COMMENTS
40395	PLATE	7x6x28 SA 516 GR. 70	89	CS		7.000	STAINLESS CLAD
40397	ARIS	3" X 6" X 12" SA240 T316	89	CS		3.000	HEAT# 28316
40399	PIPE	10" SCH. 140 SA 376 TYPE 316	89	SS		1.000	
40406	PIPE	4" SCH. 160 SA 376 TYPE 304	89	SS		0.531	HEAT # M0351
40411	PIPE	SA 182 TYPE 316L	89	SS		0.875	
40413	PIPE	SA 376 TYPE 316	89	SS		1.125	
40414	PIPE	12" X 1.50" WALL SA 105 GR. 2	89	CS		1.500	HEAT #T1807
40417	STUD	14.131" x 2.230"	89	CS		0.000	SA 193 ID B16
50225	PIPE	3" SCH 160 SA376 T304	89	SS		0.438	HEAT# M7282
50304	ARIS	9" X 36.65" X 37" SA508 CL.2	89	CS		36.650	HEAT# CCR801 SS CLAD HEAT# L3541
50438	PIPE	4" SCH 40 SA376/312 T304	89	SS		0.237	

Duke Power Company  
Quality Assurance Technical Services  
Inservice Inspection Plan For:  
Oconee Unit 3  
Interval 3

Calibration Block Listing

Revision 0

Run Date: May 12, 1994

DUKE POWER COMPANY  
 QUALITY ASSURANCE TECHNICAL SERVICES  
 In-Service Inspection Database Management System  
 Calibration Block Listing

Report order: Block no.  
 Plant(s): ON3

Page 1  
 05/12/1994

BLOCK NO.	TYPE	DESCRIPTION	CODE REQ	MATERIAL TYPE/GRADE	DIAM SIZE	THICKNESS (LENGTH)	COMMENTS
40338	PLATE	36.5" x 6" x 7" SA 515 GR.70	89	CS		7.000	CLAD SS
40339	PLATE	26.5" x 6" x 5" SA 516 GR.70	89	CS		5.000	CLAD SS
40350	PLATE	11.5" x 6" x 3" SA 516 GR.70	89	CS		3.000	CLAD SS
40354	PIPE	10" SCH. 160 SA 376 T 304H	89	CS		1.125	
40378	PIPE	2.5" SCH. 160 SA 240 TYPE 304	89	SS		0.375	
40385	PLATE	3" X 6" X .75" SA 240 TYPE 304	89	SS		0.750	
40387	PLATE	6" X 7" X 28" SA508 CL.2	89	CS		7.000	HEAT# 158025C-1 SS CLAD
40388	PIPE	15.43" x 1.715" WALL SA 508-64	89	CS		1.724	STAINLESS CLAD
40389	PIPE	14" SCH. 140 SA 376 TYPE 316	89	SS		1.250	HEAT #26004
40390	ARIS	12.13" X 37.25" X 6" SA 508 CL	89	CS		12.125	170 IN. ID RADIUS SS CLAD
40392	ARIS	5"x6"x21" SA 508 CLASS 2	89	CS		5.000	STAINLESS CLAD
40393	ARIS	9" x 6" x 36" SA 533 GR. B	89	CS		9.000	SS CLAD
40394	PLATE	5" x 6" x 21" SA 515 GR. 70	89	CS		5.000	SS CLAD

DUKE POWER COMPANY  
 QUALITY ASSURANCE TECHNICAL SERVICES  
 In-Service Inspection Database Management System  
 Calibration Block Listing

Report order: Block no.  
 Plant(s): ON3

Page 2  
 05/12/1994

BLOCK NO.	TYPE	DESCRIPTION	CODE REQ	MATERIAL TYPE/GRADE	DIAM SIZE	THICKNESS (LENGTH)	COMMENTS
40395	PLATE	7x6x28 SA 516 GR. 70	89	CS		7.000	STAINLESS CLAD
40397	ARIS	3" X 6" X 12" SA240 T316	89	CS		3.000	HEAT# 28316
40399	PIPE	10" SCH. 140 SA 376 TYPE 316	89	SS		1.000	
40406	PIPE	4" SCH. 160 SA 376 TYPE 304	89	SS		0.531	HEAT # M0351
40411	PIPE	SA 182 TYPE 316L	89	SS		0.875	
40413	PIPE	SA 376 TYPE 316	89	SS		1.125	
40414	PIPE	12" X 1.50" WALL SA 105 GR. 2	89	CS		1.500	HEAT #T1807
40416	PIPE	SA-479 TP-316	89	SS		0.750	
40417	STUD	14.131" x 2.230"	89	CS		0.000	SA 193 ID B16
50225	PIPE	3" SCH 160 SA376 T304	89	SS		0.438	HEAT# M7282
50304	ARIS	9" X 36.65" X 37" SA508 CL.2	89	CS		36.650	HEAT# CCR801 SS CLAD HEAT# L3541

THIRD INTERVAL  
INSERVICE INSPECTION PLAN  
OCONEE NUCLEAR STATION  
UNITS 1,2 & 3

Location: Highway 130/183 Seneca, South Carolina 29679

Commercial Service Date: July 15, 1973 (Unit 1)  
September 9, 1974 (Unit 2)  
December 16, 1974 (Unit 3)  
Third Interval Start Date: July 15, 1994 (Unit 1)  
December 16, 1994 (Unit 2)  
December 16, 1994 (Unit 3)

Owner: Duke Power Company  
526 South Church St.  
Mail Code EC07J  
Charlotte, N. C. 28201-1006

VOLUME 3

Revision 1

Prepared By: A. J. Hogge, Jr Date 5-12-94

Reviewed By: Larry C. Keith Date 5-12-94

Approved By: R. Barlowe Date 5/12/94

ANII Review A. Ireland Date 5/26/94

Copy No. \_\_\_\_\_ Assigned To \_\_\_\_\_

Controlled \_\_\_\_\_ Uncontrolled X



## Appendix A

### Oconee Unit 2 Inservice Inspection Examination Listing and Schedule

Revision 0

#### Detailed Inspection Plan for Oconee Unit 2

The detailed inspection plans for Inservice Inspection of Oconee Unit 2 are maintained in this volume. Appendix A is the examination listing, Appendix B the reference drawings.

#### Third Inspection Interval

<u>Start Date</u>			<u>End Date</u>
12/16/1994			09/09/2004
	<u>1ST Period</u>	<u>2ND Period</u>	<u>3RD Period</u>
	Outage 1 (RFO 15) Outage 2 (RFO 16)	Outage 3 (RFO 17) Outage 4 (RFO 18)	Outage 5 (RFO 19) Outage 6 (RFO 20)

Duke Power Company  
Quality Assurance Technical Services

Inservice Inspection Plan For:

Oconee Unit 2

Interval 3

ISI Outage 1

Refueling Outage EOC 15

**ISI Inspection Listing**

Revision 0

Run Date: May 11, 1994

**CATEGORY B-A, Pressure Retaining Welds  
in Reactor Vessel**

**Head Welds**

DUKE POWER COMPANY  
 QUALITY ASSURANCE TECHNICAL SERVICES  
 Inservice Inspection Database Management System  
 Oconee Unit 2  
 Inservice Inspection Plan for Interval 3 Outage 1

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ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DI/THK	CAL BLOCKS	COMMENTS
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\*\*\*\* Circumferential \*\*\*\*

B01.021.001	2-RPV-WH5 Circumferential	ISI-OCN2-001 OM-1201-455	NDE-660	UT	CS	0.000 6.625	40387	Reactor Vessel Closure Head Ring Pc. 23 to Closure Head Cap Pc. 24.
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Total B01.021 Items: 1

**CATEGORY B-A, Pressure Retaining Welds  
in Reactor Vessel**

DUKE POWER COMPANY  
QUALITY ASSURANCE TECHNICAL SERVICES  
Inservice Inspection Database Management System  
Oconee Unit 2  
Inservice Inspection Plan for Interval 3 Outage 1

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**Head-to-Flange Weld**

ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
B01.040.001	2-RPV-WH7 Circumferential	ISI-OCN2-001 OM-1201-455	NDE-660	UT	CS	0.000 6.625	40387	Reactor Vessel Closure Head Ring Pc. 23 to Closure Head Flange Pc. 22. 0-360 Degrees.
B01.040.001A	2-RPV-WH7 Circumferential	ISI-OCN2-001 OM-1201-455	NDE-25	MT	CS	0.000 6.625		Reactor Vessel Closure Head Ring Pc. 23 to Closure Head Flange Pc. 22 . 0-360 Degrees.
<b>Total B01.040 Items:</b>		<b>2</b>						
<b>Total Category B-A Items:</b>		<b>3</b>						

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

DUKE POWER COMPANY  
 QUALITY ASSURANCE TECHNICAL SERVICES  
 Inservice Inspection Database Management System  
 Oconee Unit 2  
 Inservice Inspection Plan for Interval 3 Outage 1

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**Pressurizer**

ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DI/THK	CAL BLOCKS	COMMENTS
<b>**** Shell-to-Head Welds; Circumferential ****</b>								
B02.011.001	2-PZR-WP76	ISI-OCN2-002	NDE-620	UT	CS	84.000	40394	Pressurizer Upper Head Pc. 5 to Upper Shell Course Pc. 1.
	Circumferential	OM-1201-456	NDE-640			4.750		Head to Upper Shell
<b>Total B02.011 Items:</b>		<b>1</b>						
<b>**** Shell-to-Head Welds; Longitudinal ****</b>								
B02.012.001	2-PZR-WP1-1	ISI-OCN2-002	NDE-620	UT	CS	0.000	40338	Pressurizer Upper Shell Course Pc. 1 to Upper Shell Course Pc. 1.
	Longitudinal	OM-1201-456	NDE-640			6.188		Shell to Shell
<b>Total B02.012 Items:</b>		<b>1</b>						

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

**Steam Generators (Primary Side)**

DUKE POWER COMPANY  
 QUALITY ASSURANCE TECHNICAL SERVICES  
 Inservice Inspection Database Management System  
 Oconee Unit 2  
 Inservice Inspection Plan for Interval 3 Outage 1

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ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
<b>**** Tubesheet-to-Head Weld ****</b>								
B02.040.001	2-SGA-WG58-1 Circumferential	ISI-OCN2-003 OM-1201-450	NDE-620 NDE-640	UT	CS	119.000	40393 8.000	Steam Generator 2A Upper Head Pc. 8 to Tubesheet Pc. 51.
				Head to Tubesheet				

Total B02.040 Items: 1

Total Category B-B Items: 3

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

Reactor Vessel

DUKE POWER COMPANY  
QUALITY ASSURANCE TECHNICAL SERVICES  
Inservice Inspection Database Management System  
Oconee Unit 2

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**Inservice Inspection Plan for Interval 3 Outage 1**

ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
<b>**** Nozzle-to-Vessel Welds ****</b>								
B03.090.001A	2-RPV-WR13 Circumferential	ISI-OCN2-001 OM-1201-454	ISI-138	UT	CS	60.000 12.000	50304	Reactor Vessel X-Outlet Nozzle Pc. 19 to Upper Shell Pc.86 & 87. UT from Nozzle ID. Note: For inspection in outage 1 see Request for Relief ONS-006.
B03.090.002A	2-RPV-WR13A Circumferential	ISI-OCN2-001 OM-1201-454	ISI-138	UT	CS	60.000 12.000	50304	Reactor Vessel Y-Outlet Nozzle Pc. 19 to Upper Shell Pc. 86 & Pc. 87. UT from Nozzle ID. Note: For inspection in outage 1, see Request for Relief ONS-006.
<b>Total B03.090 Items:</b>		<b>2</b>						

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

DUKE POWER COMPANY  
QUALITY ASSURANCE TECHNICAL SERVICES  
Inservice Inspection Database Management System  
Oconee Unit 2  
inservice Inspection Plan for interval 3 Outage 1

ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
<b>.... Nozzle Inside Radius Section ....</b>								
B03.100.001	2-RPV-WR13	ISI-OCN2-001 OM-1201-454	ISI-138	UT	CS	60.000 12.000	50304	Reactor Vessel X-Outlet Nozzle Pc. 19. UT from Nozzle ID. (Inside Radius Section)Note: For inspection in outage 1, see Request for Relief ONS-006.
B03.100.002	2-RPV-WR13A	ISI-OCN2-001 OM-1201-454	ISI-138	UT	CS	60.000 12.000	50304	Reactor Vessel Z-Outlet Nozzle Pc. 19. UT from Nozzle ID. (Inside Radius Section)Note: For inspection in outage 1, see Request for Relief ONS-006.

Total B03.100 Items: 2



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

**Steam Generators (Primary Side)**

DUKE POWER COMPANY  
 QUALITY ASSURANCE TECHNICAL SERVICES  
 Inservice Inspection Database Management System  
 Oconee Unit 2  
 Inservice Inspection Plan for Interval 3 Outage 1

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ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
<b>**** Nozzle-to-Vessel Welds ****</b>								
B03.130.003	2-SGB-WG50-2	ISI-OCN2-004	NDE-620	UT	CS	38.380	40393	Steam Generator 2B Outlet Nozzle Pc. 65 to Lower Head Pc. 7 Between W-Z Axis.
	Circumferential	OM-1201-450 B&W146467E	NDE-640				8.500	
				Nozzle to Head				
B03.130.004	2-SGB-WG50-1	ISI-OCN2-004	NDE-620	UT	CS	38.380	40393	Steam Generator 2B Outlet Nozzle Pc. 65 to Lower Head Pc. 7 Between Y-Z Axis.
	Circumferential	OM-1201-450 B&W146467E	NDE-640				8.500	
				Nozzle to Head				
<b>Total B03.130 Items:</b>		<b>2</b>						

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

**Steam Generator (Primary Side)**

DUKE POWER COMPANY  
 QUALITY ASSURANCE TECHNICAL SERVICES  
 Inservice Inspection Database Management System  
 Oconee Unit 2  
 Inservice Inspection Plan for Interval 3 Outage 1

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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 ****								
B03.140.003	2-SGB-WG50-2	ISI-OCN2-004 OM-1201-450 B&W103214D	NDE-680	UT	CS	38.380 8.500	40393	Steam Generator 2B Outlet Nozzle Pc.65 Between W-Z Axis. (Inside Radius Section)
				Nozzle to Lower Head				
B03.140.004	2-SGB-WG50-1	ISI-OCN2-004 OM-1201-450 B&W103214D	NDE-680	UT	CS	38.380 8.500	40393	Steam Generator 2B Outlet Nozzle Pc.65 Between Y-Z Axis. (Inside Radius Section)
				Nozzle to Lower Head				
Total B03.140 Items:		2						

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

DUKE POWER COMPANY  
QUALITY ASSURANCE TECHNICAL SERVICES  
Inservice Inspection Database Management System  
Oconee Unit 2

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**Inservice Inspection Plan for Interval 3 Outage 1**

**Heat Exchangers (Primary Side)**

ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DI/THK	CAL BLOCKS	COMMENTS
<b>.... Nozzle-to-Vessel Welds ....</b>								
B03.150.001	2-LDCA-INLET-V2 Circumferential	1-44773-2 OM-201-3107 OFD-101A-2.1	NDE-630	UT	SS	3.000 0.875	40411	LDC-2A Tubeside Inlet Nozzle Pc.5 to Channel Head Pc. 3.  Nozzle to Channel Body
B03.150.002	2-LDCA-OUTLET-V5 Circumferential	1-44773-2 OM-201-3107 OFD-101A-2.1	NDE-630	UT	SS	3.000 0.875	40411	LDC-2A Tubeside Outlet Nozzle Pc.5 to Channel Head Pc. 3.  Nozzle to Channel Body
<b>Total B03.150 Items:</b>		<b>2</b>						

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

**Heat Exchangers (Primary Side)**

DUKE POWER COMPANY  
 QUALITY ASSURANCE TECHNICAL SERVICES  
 Inservice Inspection Database Management System  
 Oconee Unit 2  
**Inservice Inspection Plan for Interval 3 Outage 1**

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ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DI/THK	CAL BLOCKS	COMMENTS
<b>**** Nozzle Inside Radius Section ****</b>								
B03.160.001	2-LDCA-INLET-V2	1-44773-2 OM-201-3107 OFD-101A-2.1	NDE-630	UT	SS	3.000 0.875	40411	LDC-2A Tubeside Inlet Nozzle Pc.5 (Inside Radius Section). Reference Request for Relief ONS-009.  Nozzle to Channel Body
B03.160.002	2-LDCA-OUTLET-V5	1-44773-2 OM-201-3107 OFD-101A-2.1	NDE-630	UT	SS	3.000 0.875	40411	LDC-2A Tubeside Outlet Nozzle Pc.5 (Inside Radius Section). Reference Request for Relief ONS-009.  Nozzle to Channel Body

Total B03.160 Items:      2

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Total Category B-D Items:    12

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

DUKE POWER COMPANY  
 QUALITY ASSURANCE TECHNICAL SERVICES  
 Inservice Inspection Database Management System  
 Oconee Unit 2  
 Inservice Inspection Plan for Interval 3 Outage 1

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Reactor Vessel

ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DI/THK	CAL BLOCKS	COMMENTS
**** NPS 4 or larger; Nozzle-to-Safe End Butt Welds ****								
B05.010.001	2-RPV-WR53 Circumferential	ISI-OCN2-001 OM-1201-1528	NDE-35	PT	SS/CS	15.625 1.688		A-Side Core Flood Nozzle Safe-End Pc. 89 to Nozzle Pc. 17 (W-Axis). See Request for Relief ONS-001.
				Nozzle to Safe-End				
B05.010.002	2-RPV-WR53A Circumferential	ISI-OCN2-001 OM-1201-1528	NDE-35	PT	SS/CS	15.625 1.688		B-Side Core Flood Nozzle Safe-End Pc. 89 to Nozzle Pc. 17 (Y-Axis). See Request for Relief ONS-001.
				Nozzle to Safe-End				

Total B05.010 Items: 2

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

**Pressurizer**

DUKE POWER COMPANY  
 QUALITY ASSURANCE TECHNICAL SERVICES  
 Inservice Inspection Database Management System  
 Oconee Unit 2  
 Inservice Inspection Plan for Interval 3 Outage 1

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ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS	
**** NPS 4 or Larger; Nozzle-to-Safe End Butt Welds ****									
B05.040.001	2-PZR-WP23	ISI-OCN2-002	NDE-35	PT	SS/CS	11.375		Pressurizer Surge Line Nozzle Safe-End Pc. 37 to Nozzle Pc. 8.	
	Circumferential	B&W149768E				1.930	Nozzle (Pc. 8) to Safe-End Pc. 37		
B05.040.001A	2-PZR-WP23	ISI-OCN2-002	NDE-610	UT	SS/CS	11.375	40414	Pressurizer Surge Line Nozzle Safe-End Pc. 37 to Nozzle Pc. 8. UT from Nozzle Side.	
	Circumferential	B&W149768E				1.930	Nozzle (Pc. 8) to Safe-End Pc. 37		
B05.040.001B	2-PZR-WP23	ISI-OCN2-002	NDE-610	UT	SS/CS	11.375	40354	Pressurizer Surge Line Nozzle Safe-End Pc. 37 to Nozzle Pc. 8. UT from Safe-End Side.	
	Circumferential	B&W149768E				1.930	Nozzle (Pc. 8) to Safe-End Pc. 37		
<b>Total B05.040 Items:</b>									<b>3</b>

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

DUKE POWER COMPANY  
QUALITY ASSURANCE TECHNICAL SERVICES  
Inservice Inspection Database Management System  
Oconee Unit 2  
**Inservice Inspection Plan for Interval 3 Outage 1**

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Piping

ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
<b>**** NPS 4 or Larger; Dissimilar Metal Butt Welds ****</b>								
B05.130.001	2-53A-10-10A Circumferential	2-53A-10 B&W146630E	NDE-610	UT	SS/Inconel	12.000 1.125	40413	Examine with 2-PHA-17. UT from the pipe side. Pipe to Nozzle (Decay Heat)
B05.130.001A	2-53A-10-10A Circumferential	2-53A-10 B&W146630E	NDE-610	UT	SS/Inconel	12.000 1.125	TBD	Examine with 2-PHA-17. UT from the nozzle side. Pipe to Nozzle (Decay Heat)
B05.130.001B	2-53A-10-10A Circumferential	2-53A-10 B&W146630E	NDE-35	PT	SS/Inconel	12.000 1.125		Pipe to Nozzle (Decay Heat)
B05.130.006	2-PHA-17 Circumferential	ISI-OCN2-005 B&W146630E	NDE-610	UT	CS/Inconel	12.750 1.125	TBD	Examine with B05.130.001 from the nozzle side. Buttering to Nozzle (Decay Heat)
B05.130.006A	2-PHA-17 Circumferential	ISI-OCN2-005 B&W146630E	NDE-610	UT	CS/Inconel	12.750 1.125	TBD	Examine with B05.130.001A from the pipe side. Buttering to Nozzle (Decay Heat)
B05.130.006B	2-PHA-17 Circumferential	ISI-OCN2-005 B&W146630E	NDE-35	PT	CS/Inconel	12.750 1.125		Examine with B05.130.001B. Buttering to Nozzle (Decay Heat)
<b>Total B05.130 Items:</b>		<b>6</b>						

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

DUKE POWER COMPANY  
 QUALITY ASSURANCE TECHNICAL SERVICES  
 Inservice Inspection Database Management System  
 Oconee Unit 2  
 Inservice Inspection Plan for Interval 3 Outage 1

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Piping

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

B05.140.004	2-PDA1-11	ISI-OCN2-011 B&W146829E	NDE-35	PT	SS/CS	3.500			
	Circumferential					0.750			Nozzle (Pc. 46) to Safe-End Pc.47

B05.140.010	2-PIB1-11	ISI-OCN2-009 B&W146635E	NDE-35	PT	CS/Inconel	3.500			
	Circumferential					0.672			Nozzle (Pc. 87) to Safe-End Pc. 88

Total B05.140 Items: 2

Total Category B-F Items: 13



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

**Reactor Vessel**

DUKE POWER COMPANY  
QUALITY ASSURANCE TECHNICAL SERVICES  
Inservice Inspection Database Management System  
Oconee Unit 2  
**Inservice Inspection Plan for Interval 3 Outage 1**

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ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
**** Closure Head Nuts ****								
B06.010.001	2-RPV-26-204-01	OM-1201-4 B&W152009E	NDE-25	MT	CS	9.250 1.300		Reactor Vessel Closure Nut Pc. 26.
B06.010.016	2-RPV-26-204-16	OM-1201-4 B&W152009E	NDE-25	MT	CS	9.250 1.300		Reactor Vessel Closure Nut Pc. 26.
B06.010.017	2-RPV-26-204-17	OM-1201-4 B&W152009E	NDE-25	MT	CS	9.250 1.300		Reactor Vessel Closure Nut Pc. 26.
B06.010.018	2-RPV-26-204-18	OM-1201-4 B&W152009E	NDE-25	MT	CS	9.250 1.300		Reactor Vessel Closure Nut Pc. 26.
B06.010.019	2-RPV-26-204-62	OM-1201-4 B&W152009E	NDE-25	MT	CS	9.250 1.300		Reactor Vessel Closure Nut Pc. 26.
B06.010.057	2-RPV-26-204-57	OM-1201-4 B&W152009E	NDE-25	MT	CS	9.250 1.300		Reactor Vessel Closure Nut Pc. 26.
B06.010.058	2-RPV-26-204-58	OM-1201-4 B&W152009E	NDE-25	MT	CS	9.250 1.300		Reactor Vessel Closure Nut Pc. 26.
B06.010.059	2-RPV-26-204-59	OM-1201-4 B&W152009E	NDE-25	MT	CS	9.250 1.300		Reactor Vessel Closure Nut Pc. 26.
B06.010.060	2-RPV-26-204-60	OM-1201-4 B&W152009E	NDE-25	MT	CS	9.250 1.300		Reactor Vessel Closure Nut Pc. 26.

**Total B06.010 Items: 9**

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

**Reactor Vessel**

DUKE POWER COMPANY  
 QUALITY ASSURANCE TECHNICAL SERVICES  
 Inservice Inspection Database Management System  
 Oconee Unit 2  
**Inservice Inspection Plan for interval 3 Outage 1**

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ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
**** Closure Studs, when removed ****								
B06.030.001	2-RPV-25-204-01	OM-1201-4 B&W152009E	NDE-942	UT	CS	6.500 0.000	TBD	Reactor Vessel Closure Studs - Removed; Pc. 25. Stud Length = 63.250.
B06.030.001A	2-RPV-25-204-01	OM-1201-4 B&W152009E	NDE-25	MT	CS	6.500 0.000		Reactor Vessel Closure Studs - Removed; Pc. 25. Stud Length = 63.250.
B06.030.015	2-RPV-25-204-15	OM-1201-4 B&W152009E	NDE-942	UT	CS	6.500 0.000	TBD	Reactor Vessel Closure Studs - Removed; Pc. 25. Stud Length = 63.250.
B06.030.015A	2-RPV-25-204-15	OM-1201-4 B&W152009E	NDE-25	MT	CS	6.500 0.000		Reactor Vessel Closure Studs - Removed; Pc. 25. Stud Length = 63.250.
B06.030.016	2-RPV-25-204-16	OM-1201-4 B&W152009E	NDE-942	UT	CS	6.500 0.000	TBD	Reactor Vessel Closure Studs - Removed; Pc. 25. Stud Length = 63.250.
B06.030.016A	2-RPV-25-204-16	OM-1201-4 B&W152009E	NDE-25	MT	CS	6.500 0.000		Reactor Vessel Closure Studs - Removed; Pc. 25. Stud Length = 63.250.
B06.030.017	2-RPV-25-204-17	OM-1201-4 B&W152009E	NDE-942	UT	CS	6.500 0.000	TBD	Reactor Vessel Closure Studs - Removed; Pc. 25. Stud Length = 63.250.
B06.030.017A	2-RPV-25-204-17	OM-1201-4 B&W152009E	NDE-25	MT	CS	6.500 0.000		Reactor Vessel Closure Studs - Removed; Pc. 25. Stud Length = 63.250.
B06.030.018	2-RPV-25-204-18	OM-1201-4 B&W152009E	NDE-942	UT	CS	6.500 0.000	TBD	Reactor Vessel Closure Studs - Removed; Pc. 25. Stud Length = 63.250.
B06.030.018A	2-RPV-25-204-18	OM-1201-4 B&W152009E	NDE-25	MT	CS	6.500 0.000		Reactor Vessel Closure Studs - Removed; Pc. 25. Stud Length = 63.250.

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

**Reactor Vessel**

DUKE POWER COMPANY  
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**Inservice Inspection Plan for Interval 3 Outage 1**

ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DI/THK	CAL BLOCKS	COMMENTS
B06.030.019	2-RPV-25-204-19	OM-1201-4 B&W152009E	NDE-942	UT	CS	6.500 0.000	TBD	Reactor Vessel Closure Studs - Removed; Pc. 25. Stud Length = 63.250.
B06.030.019A	2-RPV-25-204-19	OM-1201-4 B&W152009E	NDE-25	MT	CS	6.500 0.000		Reactor Vessel Closure Studs - Removed; Pc. 25. Stud Length = 63.250.
B06.030.038	2-RPV-25-204-38	OM-1201-4 B&W152009E	NDE-942	UT	CS	6.500 0.000	TBD	Reactor Vessel Closure Studs - Removed; Pc. 25. Stud Length = 63.250.
B06.030.038A	2-RPV-25-204-38	OM-1201-4 B&W152009E	NDE-25	MT	CS	6.500 0.000		Reactor Vessel Closure Studs - Removed; Pc. 25. Stud Length = 63.250.
B06.030.039	2-RPV-25-204-39	OM-1201-4 B&W152009E	NDE-942	UT	CS	6.500 0.000	TBD	Reactor Vessel Closure Studs - Removed; Pc. 25. Stud Length = 63.250.
B06.030.039A	2-RPV-25-204-39	OM-1201-4 B&W152009E	NDE-25	MT	CS	6.500 0.000		Reactor Vessel Closure Studs - Removed; Pc. 25. Stud Length = 63.250.
B06.030.040	2-RPV-25-204-40	OM-1201-4 B&W152009E	NDE-942	UT	CS	6.500 0.000	TBD	Reactor Vessel Closure Studs - Removed; Pc. 25. Stud Length = 63.250.
B06.030.040A	2-RPV-25-204-40	OM-1201-4 B&W152009E	NDE-25	MT	CS	6.500 0.000		Reactor Vessel Closure Studs - Removed; Pc. 25. Stud Length = 63.250.
B06.030.041	2-RPV-25-204-41	OM-1201-4 B&W152009E	NDE-942	UT	CS	6.500 0.000	TBD	Reactor Vessel Closure Studs - Removed; Pc. 25. Stud Length = 63.250.
B06.030.041A	2-RPV-25-204-41	OM-1201-4 B&W152009E	NDE-25	MT	CS	6.500 0.000		Reactor Vessel Closure Studs - Removed; Pc. 25. Stud Length = 63.250.

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

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**Reactor Vessel**

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ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK CAL BLOCKS	COMMENTS
B06.030.042	2-RPV-25-204-42	OM-1201-4 B&W152009E	NDE-942	UT	CS	6.500 TBD 0.000	Reactor Vessel Closure Studs - Removed; Pc. 25. Stud Length = 63.250.
B06.030.042A	2-RPV-25-204-42	OM-1201-4 B&W152009E	NDE-25	MT	CS	6.500 0.000	Reactor Vessel Closure Studs - Removed; Pc. 25. Stud Length = 63.250.
B06.030.057	2-RPV-25-204-57	OM-1201-4 B&W152009E	NDE-942	UT	CS	6.500 TBD 0.000	Reactor Vessel Closure Studs - Removed; Pc. 25. Stud Length = 63.250.
B06.030.057A	2-RPV-25-204-57	OM-1201-4 B&W152009E	NDE-25	MT	CS	6.500 0.000	Reactor Vessel Closure Studs - Removed; Pc. 25. Stud Length = 63.250.
B06.030.058	2-RPV-25-204-58	OM-1201-4 B&W152009E	NDE-942	UT	CS	6.500 TBD 0.000	Reactor Vessel Closure Studs - Removed; Pc. 25. Stud Length = 63.250.
B06.030.058A	2-RPV-25-204-58	OM-1201-4 B&W152009E	NDE-25	MT	CS	6.500 0.000	Reactor Vessel Closure Studs - Removed; Pc. 25. Stud Length = 63.250.
B06.030.059	2-RPV-25-204-59	OM-1201-4 B&W152009E	NDE-942	UT	CS	6.500 TBD 0.000	Reactor Vessel Closure Studs - Removed; Pc. 25. Stud Length = 63.250.
B06.030.059A	2-RPV-25-204-59	OM-1201-4 B&W152009E	NDE-25	MT	CS	6.500 0.000	Reactor Vessel Closure Studs - Removed; Pc. 25. Stud Length = 63.250.
B06.030.060	2-RPV-25-204-60	OM-1201-4 B&W152009E	NDE-942	UT	CS	6.500 TBD 0.000	Reactor Vessel Closure Studs - Removed; Pc. 25. Stud Length = 63.250.
B06.030.060A	2-RPV-25-204-60	OM-1201-4 B&W152009E	NDE-25	MT	CS	6.500 0.000	Reactor Vessel Closure Studs - Removed; Pc. 25. Stud Length = 63.250.

Total B06.030 Items: 30

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

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**Reactor Vessel**

ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DI/THK	CAL	BLOCKS	COMMENTS
**** Threads In Flange ****									
B06.040.001	2-RPV-LIGAMENTS	B&W151997E	NDE-640	UT	CS	200.000	40387	12.500	Reactor Vessel Flange Threads; Stud Holes 1 Thru 13, 17 Thru 33.

**Total B06.040 Items: 1**

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

**Reactor Vessel**

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ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DI/THK	CAL	BLOCKS	COMMENTS
**** Closure Washers, Bushings ****									
B06.050.001	2-RPV-WASH-BUSH	B&W152009E	QAL-13	VT-1	CS	9.750	0.000		Reactor Vessel Closure Washers and Bushings. Stud Holes 1, 15 Thru 19, 38 Thru 42, 57 Thru 60.

Total B06.050 Items: 1

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

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Pressurizer

ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DI/THK	CAL BLOCKS	COMMENTS
**** Flange Surface, when connection disassembled ****								
B06.070.001	2-PZR-MW-FLANGE	B&W149762E	QAL-13	VT-1	CS	28.000 0.000		Pressurizer Manway Flange Surface; Includes 1" Annular Surface surrounding each stud. Inspect when connection is disassembled.

Total B06.070 Items: 1

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

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**Inservice Inspection Plan for Interval 3 Outage 1**

Pumps

ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
**** Flange Surface, when connection disassembled ****								
B06.190.001	2-RCP-2A1-FLANGE	OM-1201D-0005 OM-1201-1217	QAL-13	VT-1	SS	0.000 0.000		Reactor Coolant Pump 2A1 Main Flange, Including 1" Annular Surface of Flange surrounding each stud. (Inspect only if disassembled.)
B06.190.002	2-RCP-2A2-FLANGE	OM-1201D-0005 OM-1201-1217	QAL-13	VT-1	SS	0.000 0.000		Reactor Coolant Pump 2A1 Main Flange, Including 1" Annular Surface of Flange surrounding each stud. (Inspect only if disassembled.)
B06.190.003	2-RCP-2B1-FLANGE	OM-1201D-0005 OM-1201-1217	QAL-13	VT-1	SS	0.000 0.000		Reactor Coolant Pump 2A1 Main Flange, Including 1" Annular Surface of Flange surrounding each stud. (Inspect only if disassembled.)
B06.190.004	2-RCP-2B2-FLANGE	OM-1201D-0005 OM-1201-1217	QAL-13	VT-1	SS	0.000 0.000		Reactor Coolant Pump 2A1 Main Flange, Including 1" Annular Surface of Flange surrounding each stud. (Inspect only if disassembled.)
<b>Total B06.190 Items:</b>		<b>4</b>						
<b>Total Category B-G-1 Items:</b>		<b>46</b>						



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

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**Inservice Inspection Plan for Interval 3 Outage 1**

**Pressurizer**

ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
**** Bolts, Studs, and Nuts ****								
B07.020.001	2-PZR-UHB-STUDS	B&W149775E	QAL-13	VT-1	CS	2.000 0.000		Pressurizer Upper Heater Bundle Studs Pc. 75 (Total 16 Studs). Length = 19.312".

**Total B07.020 Items: 1**

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

**Steam Generators**

DUKE POWER COMPANY  
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ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
<b>**** Bolts, Studs, and Nuts ****</b>								
B07.030.001	2-SGA-UMW-BOLT	OM-1201-1477	QAL-13	VT-1	SS	2.000 0.000		Steam Generator 2A Upper Head Manway Studs & Nuts (Total 16 Studs Pc. 111 and Nuts Pc. 109). Length = 11.500".
B07.030.002	2-SGA-LMW-BOLT	OM-1201-1477	QAL-13	VT-1	SS	2.000 0.000		Steam Generator 2A Lower Head Manway Studs & Nuts (Total 16 Studs Pc. 111 and Nuts Pc. 109). Length = 11.500".
<b>Total B07.030 Items:</b>		<b>2</b>						

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

**Piping**

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ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DI/THK	CAL BLOCKS	COMMENTS
<b>**** Bolts, Studs, and Nuts ****</b>								
B07.050.001	2-PZR-RC4-BOLT	OM-2245-86	QAL-13	VT-1	CS	1.125 0.000		Pressurizer EMO Valve 2RC-4 (Between W & Z Axis - Connected to Valve 2RC-66) Total 16 Studs Pc. 19; 16 Nuts Pc. 20.
<b>Total B07.050 Items:</b>		<b>1</b>						

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

**Valves**

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ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
<b>**** Bolts, Studs, and Nuts ****</b>								
B07.070.003	2-53A-CF13-BOLTS	OM-245-001 OFD-102A-2.3	QAL-13	VT-1	CS	0.000 0.000		Core Flood B - Valve CF-13 Bolting.
B07.070.004	2-53A-CF14-BOLTS	OM-245-001 OFD-102A-2.3	QAL-13	VT-1	SS	0.000 0.000		Core Flood B - Valve CF-14 Bolting.
<b>Total B07.070 Items:</b>		<b>2</b>						

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

**CRD Housings**

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ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
<b>**** Bolts, Studs, and Nuts ****</b>								
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 & 60 Inspected to date. (Inspect only if disassembled). Reference Request for Relief ONS-004 and ONS-005.
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 & 60) Inspected to date. (Inspect only if disassembled).

Total B07.080 Items: 2

Total Category B-G-2 Items: 8

**CATEGORY B Pressure Retaining Welds  
In Piping**

**NPS 4 or Larger**

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ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIATHK	CAL	BLOCKS	COMMENTS
<b>**** Circumferential Welds ****</b>									
B09.011.003	2-53A-8-1 Circumferential	2-53A-8(1) OFD-102A-2.2	NDE-600	UT	SS	10.000	40399	1.000	Pipe to Elbow
B09.011.003A	2-53A-8-1 Circumferential	2-53A-8(1) OFD-102A-2.2	NDE-35	PT	SS	10.000		1.000	Pipe to Elbow
B09.011.008	2-53A-8-48 Circumferential	2-53A-8(2) OFD-102A-2.3	NDE-600	UT	SS	14.000	40389	1.250	Pipe to Elbow
B09.011.008A	2-53A-8-48 Circumferential	2-53A-8(2) OFD-102A-2.3	NDE-35	PT	SS	14.000		1.250	Pipe to Elbow
B09.011.009	2-53A-8-50 Circumferential	2-53A-8(2) OFD-102A-2.3	NDE-600	UT	SS	14.000	40389	1.250	Pipe to Elbow
B09.011.009A	2-53A-8-50 Circumferential	2-53A-8(2) OFD-102A-2.3	NDE-35	PT	SS	14.000		1.250	Pipe to Elbow
B09.011.019	2-PHA-1 Circumferential Term end	ISI-OCN2-005 OM-1201-966	ISI-138	UT	CS	42.750	40350	3.000	For inspection in Outage 1, see Request for Relief ONS-006. TERMINAL END Nozzle ( Pc. 19) to Pipe (Pc. 32)
B09.011.019A	2-PHA-1 Circumferential Term end	ISI-OCN2-005 OM-1201-966	NDE-25	MT	CS	42.750		3.000	See Request for Relief ONS-002. TERMINAL END Nozzle ( Pc. 19) to Pipe (Pc. 32)
B09.011.021	2-PHB-1 Circumferential Term end	ISI-OCN2-006 OM-1201-966	ISI-138	UT	CS	42.750	40350	3.000	For inspection in Outage 1, see Request for Relief ONS-005. TERMINAL END Nozzle to Pipe
B09.011.021A	2-PHB-1 Circumferential Term end	ISI-OCN2-006 OM-1201-966	NDE-25	MT	CS	42.750		3.000	See Request for Relief ONS-002. TERMINAL END Nozzle to Pipe

**CATEGORY B-J, Pressure Retaining Welds  
In Piping**

**NPS 4 or Larger**

DUKE POWER COMPANY  
QUALITY ASSURANCE TECHNICAL SERVICES  
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**Inservice Inspection Plan for Interval 3 Outage 1**

ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
B09.011.022	2-PHB-12 Circumferential Term end	ISI-OCN2-006 OM-1201-966	NDE-600	UT	CS	42.750	40350 3.000	B Hot Leg Pc. 36 to Steam Generator Nozzle. TERMINAL END Nozzle to Pipe
B09.011.022A	2-PHB-12 Circumferential Term end	ISI-OCN2-006 OM-1201-966	NDE-25	MT	CS	42.750	3.000	TERMINAL END Nozzle to Pipe
B09.011.030	2-PIB2-4 Circumferential Stress weld	ISI-OCN2-010 OM-1201-966	NDE-600	UT	CS	33.500	40350 2.330	Pipe (Pc.63) to Elbow (Pc. 62)
B09.011.030A	2-PIB2-4 Circumferential Stress weld	ISI-OCN2-010 OM-1201-966	NDE-25	MT	CS	33.500	2.330	Pipe (Pc.63) to Elbow (Pc. 62)
B09.011.032A	2-PDA1-8 Circumferential Term end	ISI-OCN2-011	NDE-25	MT	CS	33.500	3.000	See Request for Relief ONS-002. TERMINAL END Nozzle to Pipe
B09.011.033A	2-PDA2-8 Circumferential Term end	ISI-OCN2-012	NDE-25	MT	CS	33.500	3.000	See Request for Relief ONS-002. TERMINAL END Nozzle to Pipe
B09.011.034A	2-PDB1-8 Circumferential Term end	ISI-OCN2-013	NDE-25	MT	CS	33.500	3.000	See Request for Relief ONS-002. TERMINAL END Nozzle to Pipe
B09.011.035A	2-PDB2-8 Circumferential Term end	ISI-OCN2-014	NDE-25	MT	CS	33.500	3.000	See Request for Relief ONS-002. TERMINAL END Nozzle to Pipe
B09.011.043	2-PSL-8 Circumferential Stress weld	ISI-OCN2-015 OFD-100A-2.2	NDE-600	UT	SS	10.000	40399 1.000	Pipe to Elbow
B09.011.043A	2-PSL-8 Circumferential Stress weld	ISI-OCN2-015 OFD-100A-2.2	NDE-35	PT	SS	10.000	1.000	Pipe to Elbow

**Total B09.011 Items: 20**

**CATEGORY B-J, Pressure Retaining Welds  
In Piping**

**NPS 4 or Larger**

DUKE POWER COMPANY  
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**inservice Inspection Plan for Interval 3 Outage 1**

ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DI/THK	CAL BLOCKS	COMMENTS
<b>**** Longitudinal Welds ****</b>								
B09.012.007	2-PIB2-62LI Longitudinal	ISI-OCN2-010 OM-1201-966	NDE-600	UT	CS	33.500	40350 2.330	Elbow (Pc. 62R) to Elbow (Pc. 62L)
B09.012.007A	2-PIB2-62LI Longitudinal	ISI-OCN2-010 OM-1201-966	NDE-25	MT	CS	33.500	2.330	Elbow (Pc. 62R) to Elbow (Pc. 62L)
B09.012.008	2-PIB2-62LO Longitudinal	ISI-OCN2-010 OM-1201-966	NDE-600	UT	CS	33.500	40350 2.330	Elbow (Pc. 62L) to Elbow (Pc. 62R)
B09.012.008A	2-PIB2-62LO Longitudinal	ISI-OCN2-010 OM-1201-966	NDE-25	MT	CS	33.500	2.330	Elbow (Pc. 62L) to Elbow (Pc. 62R)
<b>Total B09.012 Items:</b>		<b>4</b>						



**CATEGORY B-J. Pressure Retaining Welds  
in Piping  
Less Than NPS 4**

DUKE POWER COMPANY  
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**Inservice Inspection Plan for Interval 3 Outage 1**

ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSPE REQ	MAT/SCH	DIATHK CAL BLOCKS	COMMENTS
<b>**** Circumferential Welds ****</b>							
109.021.001	2-53A-36-1 Circumferential	2-53A-36 OFD-102A-2.1	NDE-35	PT	SS	3.000 0.438	Valve (2LP-103) to Pipe
109.021.002	2-51A-144-1 Circumferential	2-51A-144 OFD-101A-2.1	NDE-35	PT	SS	2.500 0.375	Valve (Valve 2HP-2) to Pipe
109.021.004	2-51A-144-23 Circumferential	2-51A-144 OFD-101A-2.1	NDE-35	PT		3.000 0.438	Pipe to Elbow
109.021.007	2-51A-145-13 Circumferential	2-51A-145 OFD-101A-2.1	NDE-35	PT	SS	2.500 0.375	Reducer to Valve (Valve 2HP-4)
109.021.010	2-51A-147-17 Circumferential	2-51A-147 OFD-101A-2.1	NDE-35	PT	SS	2.500 0.375	Pipe to Reducer
109.021.036	2-51A-35-43 Circumferential	2-51A-35 (2) OFD-101A-2.1	NDE-35	PT	SS	2.500 0.375	Tee to Valve (Valve 2HP-1)
109.021.037	2-51A-35-55 Circumferential	2-51A-35 (2) OFD-101A-2.1	NDE-35	PT	SS	2.500 0.375	Tee to Pipe
109.021.038	2-51A-35-56 Circumferential	2-51A-35 (2) OFD-101A-2.1	NDE-35	PT	SS	2.500 0.375	Pipe to Elbow
109.021.040	2-51A-39-46 Circumferential	2-51A-39 OFD-101A-2.4	NDE-35	PT	SS	2.500 0.375	Pipe to Valve (Valve 2HP-127)
109.021.044	2-50-11-3A Circumferential Stress weld	2-50-11 OFD-100A-2.2	NDE-35	PT	SS	1.500 0.281	Pipe to Valve (Valve 2LP-46)

**CATEGORY B-J, Pressure Retaining Welds  
In Piping**

**Less Than NPS 4**

DUKE POWER COMPANY  
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**Inservice Inspection Plan for Interval 3 Outage 1**

ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
309.021.048	2-50-7-17	2-50-7 (1) OFD-100A-2.1	NDE-35	PT	SS	1.500 0.281		Elbow to Pipe
309.021.058	2-PSP-7	ISI-OCN2-016 OFD-100A-2.2	NDE-35	PT	SS	2.500 0.375		Tee to Pipe
<b>Total B09.021 Items:</b>		<b>12</b>						

**CATEGORY B-J, Pressure Retaining Welds  
In Piping**

DUKE POWER COMPANY  
QUALITY ASSURANCE TECHNICAL SERVICES  
Inservice Inspection Database Management System  
Oconee Unit 2

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**Inservice Inspection Plan for Interval 3 Outage 1**

**Branch Pipe Connection Welds**

ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
<b>**** Less Than NPS 4 ****</b>								
B09.032.001	2-53A-35-1	2-53A-35 OFD-102A-2.1	NDE-35	PT	SS	3.000 0.438		Pipe to Pipe
B09.032.005	2-PDB1-12	ISI-OCN2-013 OM-1201-966 B&W146630E	NDE-35	PT	SS	2.500 2.250		Pressurizer Spray Nozzle. Nozzle (Pc. 51) to Pipe (Safe-End Pc.49)
Total B09.032 Items:	2							

**CATEGORY B-J, Pressure Retaining Welds**

**In Piping**

**Socket Welds**

DUKE POWER COMPANY  
QUALITY ASSURANCE TECHNICAL SERVICES  
Inservice Inspection Database Management System  
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ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
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B09.040.002	2-50-129-13A	2-50-129 OFD-100A-2.2	NDE-35	PT	SS	1.500 0.281		Tee to Pipe
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Total B09.040 Items: 1

Total Category B-J Items: 39

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

DUKE POWER COMPANY  
QUALITY ASSURANCE TECHNICAL SERVICES  
Inservice Inspection Database Management System  
Oconee Unit 2  
Inservice Inspection Plan for Interval 3 Outage 1

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**Pumps**

ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
<b>.... Pump Casing Welds ....</b>								
B12.010.001	2-RCP-2A1 Circumferential	ISI-OCN2-007 OM-1201D-0005 OM-1201-0001	NDE-12	RT	SS	68.000 0.000	Casing to Casing	Reactor Coolant Pump 2A1 Casing Weld. (Inspect only if pump is disassembled for maintenance purposes, repair, ect.) See Request for Relief ONS-008 Volume 1 Section 9.
B12.010.002	2-RCP-2A2 Circumferential	ISI-OCN2-008 OM-1201D-0005 OM-1201-0001	NDE-12	RT	SS	68.000 0.000	Casing to Casing	Reactor Coolant Pump 2A2 Casing Weld. (Inspect only if pump is disassembled)
B12.010.003	2-RCP-2B1 Circumferential	ISI-OCN2-009 OM-1201D-0005 OM-1201-0001	NDE-12	RT	SS	68.000 0.000	Casing to Casing	Reactor Coolant Pump 2B1 Casing Weld. (Inspect only if pump is disassembled)
B12.010.004	2-RCP-2B2 Circumferential	ISI-OCN2-010 OM-1201D-0005 OM-1201-0001	NDE-12	RT	SS	68.000 0.000	Casing to Casing	Reactor Coolant Pump 2B2 Casing Weld. (Inspect only if pump is disassembled)
<b>Total B12.010 Items:</b>		<b>4</b>						

**CATEGORY B-L-2, Pump Casings**

DUKE POWER COMPANY  
 QUALITY ASSURANCE TECHNICAL SERVICES  
 Inservice Inspection Database Management System  
 Oconee Unit 2  
**Inservice Inspection Plan for Interval 3 Outage 1**

**Pumps**

ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
<b>**** Pump Casing ****</b>								
B12.020.001	2-RCP-2A1-CASING	ISI-OCN2-007 OM-1201D-0005 OM-1201-0001	QAL-14	VT-3	SS	68.000 0.000		Reactor Coolant Pump 2A1 Casing Internal Surfaces. (Inspect only if pump is disassembled for maintenance purposes, repair,ect.)
B12.020.002	2-RCP-2A2-CASING	ISI-OCN2-008 OM-1201D-0005 OM-1201-0001	QAL-14	VT-3	SS	68.000 0.000		Reactor Coolant Pump 2A2 Casing Internal Surfaces. (Inspect only if pump is disassembled for maintenance purposes, repair,ect.)
B12.020.003	2-RCP-2B1-CASING	ISI-OCN2-009 OM-1201D-0005 OM-1201-0001	QAL-14	VT-3	SS	68.000 0.000		Reactor Coolant Pump 2B1 Casing Internal Surfaces. (Inspect only if pump is disassembled for maintenance purposes, repair,ect.)
B12.020.004	2-RCP-2B2-CASING	ISI-OCN2-010 OM-1201D-0005 OM-1201-0001	QAL-14	VT-3	SS	68.000 0.000		Reactor Coolant Pump 2B2 Casing Internal Surfaces. (Inspect only if pump is disassembled for maintenance purposes, repair,ect.)
<b>Total B12.020 Items:</b>		<b>4</b>						

**CATEGORY B-M-2, Valve Bodies**

DUKE POWER COMPANY  
 QUALITY ASSURANCE TECHNICAL SERVICES  
 Inservice Inspection Database Management System  
 Oconee Unit 2  
 Inservice Inspection Plan for Interval 3 Outage 1

**Valves**

ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIATHK CAL	BLOCKS	COMMENTS
<b>**** Valve Body, Exceeding NPS 4 ****</b>								
B12.050.001	2-53A-CF11	OM-245-001 OFD-102A-2.3	QAL-14	VT-3	SS	14.250 0.000		A-Side Core Flood (W-Axis) Valve Body - Valve CF-11. (Inspect only if valve is disassembled for maintenance purposes, valve repair, etc.)
B12.050.002	2-53A-CF12	OM-245-001 OFD-102A-2.3	QAL-14	VT-3	SS	14.250 0.000		A-Side Core Flood (W-Axis) Valve Body - Valve CF-12. (Inspect only if valve is disassembled for maintenance purposes, valve repair, etc.)
B12.050.003	2-53A-CF13	OM-245-001 OFD-102A-2.3	QAL-14	VT-3	SS	14.250 0.000		B-Side Core Flood (Y-Axis) Valve Body - Valve CF-13. (Inspect only if valve is disassembled for maintenance purposes, valve repair, etc.)
B12.050.004	2-53A-CF14	OM-245-001 OFD-102A-2.3	QAL-14	VT-3	SS	14.250 0.000		B-Side Core Flood (Y-Axis) Valve Body - Valve CF-14. (Inspect only if valve is disassembled for maintenance purposes, valve repair, etc.)
B12.050.005	2-53A-LP47	OM-245-001 OFD-102A-2.2	QAL-14	VT-3	SS	14.250 0.000		B-Side LPI Valve Body- Valve LP-47. (Inspect only if valve is disassembled for maintenance purposes, valve repair, etc.)
B12.050.006	2-53A-LP48	OM-245-001 OFD-102A-2.2	QAL-14	VT-3	SS	10.937 0.000		B-Side LPI Valve Body- Valve LP-48. (Inspect only if valve is disassembled for maintenance purposes, valve repair, etc.)
B12.050.007	2-53A-LP1	OM-201-165 OFD-102A-2.1	QAL-14	VT-3	SS	12.968 0.000		Decay Heat Suction Valve LP-1. (Inspect only if valve is disassembled for maintenance purposes, valve repair, etc.)
B12.050.008	2-53A-LP2	OM-201-165 OFD-102A-2.1	QAL-14	VT-3	SS	12.968 0.000		Decay Heat Valve LP-2. (Inspect only if valve is disassembled for maintenance purposes, valve repair, etc.)

**Total B12.050 Items: 8**

**Total Category B-M-2 Items: 16**

**CATEGORY B-O, Pressure Retaining Welds  
In Control Rod Housings**

Reactor Vessel

DUKE POWER COMPANY  
QUALITY ASSURANCE TECHNICAL SERVICES  
Inservice Inspection Database Management System  
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ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
---- Welds in CRD Housing ----								
B14.010.003	2-RPV-CRD-60WH9	OM-1201-1529 OM-1201-1530	NDE-35	PT	SS/Inconel	4.025 0.650		CRDM Housing Body to Adapter MK - 67 to MK- 55. Housing Body to Adapter
B14.010.006	2-RPV-CRD-60W60	DPS 706599-1056 OM-1201-1530	NDE-35	PT	SS/CS	5.000 0.500		CRDM Base to Motor Tube - CRDM # 60. CRDM Base to Motor Tube
B14.010.009	2-RPV-CRD-60	DPS 706599-1056 OM-1201-1530	NDE-35	PT	SS/CS	4.300 0.400		CRDM Motor Tube to Extension - CRDM # 60. CRDM Motor Tube to Extension
B14.010.012	2-RPV-CRD-60W61	DPS 706599-1056 OM-1201-1530	NDE-35	PT	SS	4.190 0.380		Peripheral CRDM Extension to Cap - CRDM # 60. Extension to Cap
Total B14.010 Items:		4						
Total Category B-O Items:		4						



**CATEGORY B-Q. Steam Generator Tubing**

DUKE POWER COMPANY  
 QUALITY ASSURANCE TECHNICAL SERVICES  
 Inservice Inspection Database Management System  
 Oconee Unit 2  
 Inservice Inspection Plan for interval 3 Outage 1

**Steam Generator Tubing In Straight Tube Design**

ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL	BLOCKS	COMMENTS
**** Steam Generator Tubing In Straight Tube Design ****									
B16.011.001	2-SGA-TUBES			ET	NA	0.000			Information on S/G Tube examinations can be acquired from the Diversified Services Group of the Generation Services Department, Duke Power Company.
B16.011.002	2-SGB-TUBES			ET	NA	0.000			Information on S/G Tube examinations can be acquired from the Diversified Services Group of the Generation Services Department, Duke Power Company.

Total B16.011 Items: 2  
 Total Category B-Q Items: 2

**CATEGORY C-A, Pressure Retaining Welds  
In Pressure Vessels**

DUKE POWER COMPANY  
 QUALITY ASSURANCE TECHNICAL SERVICES  
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 Oconee Unit 2  
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**Shell Circumferential Welds**

ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
C01.010.002	2-SGA-WG8-3 Circumferential	ISI-OCN2-003 OM-1201-450	NDE-620 NDE-640	UT	CS	138.000	40339 4.188	Steam Generator 2A Nozzle Belt Pc. 3 to Shell Pc. 2. SGA Shell to SGA Nozzle Belt

Total C01.010 Items: 1

**CATEGORY C-A, Pressure Retaining Welds  
In Pressure Vessels**

DUKE POWER COMPANY  
 QUALITY ASSURANCE TECHNICAL SERVICES  
 Inservice Inspection Database Management System  
 Oconee Unit 2  
 Inservice Inspection Plan for Interval 3 Outage 1

**Tubesheet-to-Shell Weld**

ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
C01.030.002	2-SGB-WG59 Circumferential	ISI-OCN2-004 OM-1201-450	NDE-620 NDE-640	UT	CS	138.000	40338 6.625	Steam Generator 2B Lower Tubesheet Pc. 50 to Shell Pc. 6.

Total C01.030 Items: 1  
 Total Category C-A Items: 2

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

**Nozzles in Vessels ≤ 1/2 in. Nominal Thickness**

DUKE POWER COMPANY  
 QUALITY ASSURANCE TECHNICAL SERVICES  
 Inservice Inspection Database Management System  
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ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
<b>**** Nozzle-to-Shell (or Head) Weld ****</b>								
C02.011.003	2-LPCB-INLET	OM-201-0286 OFD-102A-2.2	NDE-35	PT	SS	16.000 0.500		LP Cooler 2B Inlet Nozzle to Shell Weld.
	Circumferential							Inlet Nozzle to Shell
C02.011.004	2-LPCB-OUTLET	OM-201-0286 OFD-102A-2.2	NDE-35	PT	SS	16.000 0.500		LP Cooler 2B Outlet Nozzle to Shell Weld.
	Circumferential							Outlet Nozzle to Shell
<b>Total C02.011 Items:</b>		<b>2</b>						

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

DUKE POWER COMPANY  
 QUALITY ASSURANCE TECHNICAL SERVICES  
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**Nozzles With Reinforcing Plate In Vessels > 1/2  
In, Nominal Thickness**

ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DI/THK	CAL BLOCKS	COMMENTS
<b>**** Reinforcing Plate Welds to Nozzle and Vessel ****</b>								
C02.031.004	2-BWST-OUT-1Z		NDE-35	PT	SS	14.000		Borated Water Storage Tank Outlet Nozzle to
	Circumferential	OM-1201-80 OM-1201-86		Nozzle to Shell		0.500		Re-inforcing Plate Weld.
<b>Total C02.031 Items:</b>		<b>1</b>						
<b>**** Nozzle-to-Shell (or Head) Welds When Inside of Vessel Is Inaccessible ****</b>								
C02.033.004	2-BWST-OUT-1		QAL-15	VT-2	SS	14.000		Borated Water Storage Outlet Nozzle to Shell - inside of
	Circumferential	OM-1201-80 OM-1201-86		Nozzle to Shell		0.500		vessel not accessible.
<b>Total C02.033 Items:</b>		<b>1</b>						
<b>Total Category C-B Items:</b>		<b>4</b>						

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

DUKE POWER COMPANY  
QUALITY ASSURANCE TECHNICAL SERVICES  
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**Pressure Vessels**

**Inservice Inspection Plan for Interval 3 Outage 1**

ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
<b>**** Integrally Welded Attachments ****</b>								
C03.010.003	2-SGA-WG84-ZW	OM-1201-1511 OM-1201-95	NDE-25	MT	CS	0.000 1.000		Steam Generator 2A Feedwater Header Support Attachment Pc. 152/153 Z-W Quadrant nearest to Z-Axis.
C03.010.004	2-SGA-WG84-WZ	OM-1201-1511 OM-1201-95	NDE-25	MT	CS	0.000 1.000		Steam Generator 2A Feedwater Header Support Attachment Pc. 152/153 Z-W Quadrant nearest to W-Axis.
<b>Total C03.010 Items:</b>		<b>2</b>						

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

DUKE POWER COMPANY  
QUALITY ASSURANCE TECHNICAL SERVICES  
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Piping

ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
**** Integrally Welded Attachments ****								
C03.020.001	1-56-SR17 Rigid restraint	0-437B OFD-104A-1.2	NDE-35	PT	SS	8.000 0.750		FILE NO. OS-421, PROBLEM NO. 4-56-02, SHT 3 OF 11. SPENT FUEL COOLING.
C03.020.014	2-01A-H9B Constant support	0-1481A OFD-122A-2.1	NDE-25	MT	CS	26.000 1.000		FILE NO. OSC-440 PROBLEM NO. 2-01-01 PAGE 40 MAIN STEAM PIPING
C03.020.017	2-03-H15A Spring hanger	0-1481A OFD-121B-2.3	NDE-25	MT	CS	24.000 1.500		MAIN FEEDWATER WEST GEN. 2B, DWG 0-1490B-3.
C03.020.022	2-14B-H11E Rigid restraint	0-1479A OFD-124B-2.2	NDE-25	MT	CS	8.000 1.500		FILE NO. OSC-1325-09 PROBLEM NO. 2-14-10 VOL.1OF10 REACTOR BLDG. VENTILATION
C03.020.024	2-14B-H14 Rigid restraint	0-1479A OFD-124B-2.2	NDE-25	MT	CS	6.000 0.750		FILE NO. OSC-1325 PROBLEM NO. 2-14-16 VOL.6OF12 LP SERVICE WATER
C03.020.060	2-SGA-WG87-XY Rigid restraint	OM-201-1054 OFD-121B-2.3	NDE-25	MT	CS	0.000 1.000		SGA FDW. HDR. S/R ATTACH. X-Y QUAD. NEAR X-AXIS
C03.020.071	2-SGB-WG87-ZW Rigid restraint	OM-201-1054 OFD-121B-2.3	NDE-25	MT	CS	0.000 1.000		SGB FDW. HDR. S/R ATTACH. Z-W QUAD. NEAR Z-AXIS
<b>Total C03.020 Items:</b>		<b>7</b>						

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

DUKE POWER COMPANY  
QUALITY ASSURANCE TECHNICAL SERVICES  
Inservice Inspection Database Management System  
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**Pumps**

ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
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\*\*\*\* Integrally Welded Attachments \*\*\*\*

C03.030.001	2-HPI-A-SUPPORT	OM-201-1704 OFD-101A-2.3	NDE-35	PT	SS	0.000 2.000		Support for HPI Pump 2A. Attachment to Pump
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Total C03.030 Items: 1

Total Category C-C Items: 10



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

**Piping Welds  $\geq$  3/8 In. Nominal Wall Thickness for  
Piping  $>$  NPS 4**

DUKE POWER COMPANY  
QUALITY ASSURANCE TECHNICAL SERVICES  
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ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
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---- Circumferential Weld ----

C05.011.001	2-53A-8-16 Circumferential	2-53A-8(1) OFD-102A-2.2	NDE-600	UT	SS	10.000	40354 1.125	Pipe to Valve (2LP-47)
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C05.011.001A	2-53A-8-16 Circumferential	2-53A-8(1) OFD-102A-2.2	NDE-35	PT	SS	10.000	1.125	Pipe to Valve (2LP-47)
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C05.011.002	2-53A-8-17 Circumferential	2-53A-8(1) OFD-102A-2.2	NDE-600	UT	SS	10.000	40354 1.125	Pipe to Elbow
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C05.011.002A	2-53A-8-17 Circumferential	2-53A-8(1) OFD-102A-2.2	NDE-35	PT	SS	10.000	1.125	Pipe to Elbow
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C05.011.003	2-53A-8-18 Circumferential	2-53A-8(1) OFD-102A-2.2	NDE-600	UT	SS	10.000	40354 1.125	Pipe to Elbow
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C05.011.003A	2-53A-8-18 Circumferential	2-53A-8(1) OFD-102A-2.2	NDE-35	PT	SS	10.000	1.125	Pipe to Elbow
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C05.011.013	2-53B-78-10 Circumferential	2LP-78 OFD-102A-2.2	NDE-600	UT	SS	10.000	TBD 0.375	Flange to Reducer
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C05.011.013A	2-53B-78-10 Circumferential	2LP-78 OFD-102A-2.2	NDE-35	PT	SS	10.000	0.375	Flange to Reducer
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C05.011.014	2-53B-97-13 Circumferential	2LP-97 OFD-102A-2.2 OM 201-286	NDE-600	UT	SS	10.000	TBD 0.375	Flange to Reducer
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C05.011.014A	2-53B-97-13 Circumferential	2LP-97 OFD-102A-2.2 OM 201-286	NDE-35	PT	SS	10.000	0.375	Flange to Reducer
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**CATEGORY C-F-1, Pressure Retaining  
Welds In Austenitic SS or High Alloy Piping**

**Piping Welds  $\geq$  3/8 In. Nominal Wall Thickness for  
Piping  $>$  NPS 4**

DUKE POWER COMPANY  
QUALITY ASSURANCE TECHNICAL SERVICES  
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ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DI/THK	CAL BLOCKS	COMMENTS
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Total C05.011 Items: 10

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

DUKE POWER COMPANY  
QUALITY ASSURANCE TECHNICAL SERVICES  
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Piping Welds > 1/5 in. Nom Wall For Piping ≥  
NPS 2 And ≤ NPS 4

**Inservice Inspection Plan for Interval 3 Outage 1**

ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
<b>---- Circumferential Weld ----</b>								
C05.021.001	2-RCP-FTR2A-SH-1		NDE-600	UT	SS	4.000	40406	Reactor Coolant Pump seal Supply Filter 2A Pc. 10 to Pc. 1. TERMINAL END
	Circumferential Term end	OM-201-0473 OFD-101A-2.4				0.531		Filter Hub to Filter Housing
C05.021.001A	2-RCP-FTR2A-SH-1		NDE-35	PT	SS	4.000		TERMINAL END
	Circumferential Term end	OM-201-0473 OFD-101A-2.4				0.531		Filter Hub to Filter Housing
C05.021.002	2-RCP-FTR2A-SH-2		NDE-600	UT	SS	4.000	40406	Reactor Coolant Pump seal Supply Filter 2A Pc. 10 to Pc. 1. TERMINAL END
	Circumferential Term end	OM-201-0473 OFD-101A-2.4				0.531		Filter Hub to Filter Housing
C05.021.002A	2-RCP-FTR2A-SH-2		NDE-35	PT	SS	4.000		TERMINAL END
	Circumferential Term end	OM-201-0473 OFD-101A-2.4				0.531		Filter Hub to Filter Housing
C05.021.006	2-51A-129-9	2-51A-129	NDE-600	UT	SS	4.000	40406	
	Circumferential	OFD-101A-2.4				0.531		Elbow to Pipe
C05.021.006A	2-51A-129-9	2-51A-129	NDE-35	PT	SS	4.000		
	Circumferential	OFD-101A-2.4				0.531		Elbow to Pipe
C05.021.019	2-51A-17-44	2-51A-17 (1)	NDE-600	UT	SS	4.000	50438	TERMINAL END
	Circumferential Term end	OFD-101A-2.3				0.237		Elbow to Flange
C05.021.019A	2-51A-17-44	2-51A-17 (1)	NDE-35	PT	SS	4.000		TERMINAL END
	Circumferential Term end	OFD-101A-2.3				0.237		Elbow to Flange
C05.021.025	2-51A-17-100A	2-51A-17 (4)	NDE-600	UT	SS	4.000	40406	
	Circumferential	OFD-101A-2.3				0.531		Tee to Pipe
C05.021.025A	2-51A-17-100A	2-51A-17 (4)	NDE-35	PT	SS	4.000		
	Circumferential	OFD-101A-2.3				0.531		Tee to Pipe

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

DUKE POWER COMPANY  
QUALITY ASSURANCE TECHNICAL SERVICES  
Inservice Inspection Database Management System  
Oconee Unit 2  
Inservice Inspection Plan for Interval 3 Outage 1

Piping Welds > 1/5 in. Nom Wall For Piping ≥  
NPS 2 And ≤ NPS 4

ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
C05.021.026	2-51A-17-101 Circumferential	2-51A-17 (4) OFD-101A-2.3	NDE-600	UT	SS	4.000 0.531	40406	Tee to Tee
C05.021.026A	2-51A-17-101 Circumferential	2-51A-17 (4) OFD-101A-2.3	NDE-35	PT	SS	4.000 0.531		Tee to Tee
C05.021.027	2-51A-17-111 Circumferential	2-51A-17 (5) OFD-101A-2.3	NDE-600	UT	SS	4.000 0.531	40406	Pipe to Valve (2HP-128)
C05.021.027A	2-51A-17-111 Circumferential	2-51A-17 (5) OFD-101A-2.3	NDE-35	PT	SS	4.000 0.531		Pipe to Valve (2HP-128)
C05.021.028	2-51A-17-142 Circumferential	2-51A-17 (6) OFD-101A-2.3	NDE-600	UT	SS	4.000 0.531	40406	Pipe to Valve (Valve 2HP-117)
C05.021.028A	2-51A-17-142 Circumferential	2-51A-17 (6) OFD-101A-2.3	NDE-35	PT	SS	4.000 0.531		Pipe to Valve (Valve 2HP-117)
C05.021.029	2-51A-17-146 Circumferential	2-51A-17 (6) OFD-101A-2.3	NDE-600	UT	SS	4.000 0.531	40406	Pipe to Valve (Valve 2HP-148)
C05.021.029A	2-51A-17-146 Circumferential	2-51A-17 (6) OFD-101A-2.3	NDE-35	PT	SS	4.000 0.531		Pipe to Valve (Valve 2HP-148)
C05.021.074	2-51A-28-67 Circumferential	2-51A-28 (3) OFD-101A-2.4	NDE-600	UT	SS	2.500 0.375	40378	Tee to Pipe
C05.021.074A	2-51A-28-67 Circumferential	2-51A-28 (3) OFD-101A-2.4	NDE-35	PT	SS	2.500 0.375		Tee to Pipe

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

**Piping Welds > 1/5 In. Nom Wall For Piping ≥  
NPS 2 And ≤ NPS 4**

DUKE POWER COMPANY  
QUALITY ASSURANCE TECHNICAL SERVICES  
Inservice Inspection Database Management System  
Oconee Unit 2

Inservice Inspection Plan for Interval 3 Outage 1

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ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIATHK	CAL BLOCKS	COMMENTS
C05.021.075	2-51A-28-69 Circumferential	2-51A-28 (3) OFD-101A-2.4	NDE-600	UT	SS	2.500	40378 0.375	Elbow to Pipe
C05.021.075A	2-51A-28-69 Circumferential	2-51A-28 (3) OFD-101A-2.4	NDE-35	PT	SS	2.500	0.375	Elbow to Pipe
C05.021.076	2-51A-33-10 Circumferential	2-51A-33 OFD-101A-2.1	NDE-600	UT	SS	2.500	40378 0.375	Pipe to Elbow
C05.021.076A	2-51A-33-10 Circumferential	2-51A-33 OFD-101A-2.1	NDE-35	PT	SS	2.500	0.375	Pipe to Elbow
C05.021.077	2-51A-33-13 Circumferential	2-51A-33 OFD-101A-2.1	NDE-600	UT	SS	2.500	40378 0.375	Elbow to Pipe
C05.021.077A	2-51A-33-13 Circumferential	2-51A-33 OFD-101A-2.1	NDE-35	PT	SS	2.500	0.375	Elbow to Pipe
<b>Total C05.021 Items:</b>		<b>26</b>						

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

DUKE POWER COMPANY  
QUALITY ASSURANCE TECHNICAL SERVICES  
Inservice Inspection Database Management System  
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**2** Pipe Branch Connections of Branch Piping  $\geq$  NPS

**Inservice Inspection Plan for Interval 3 Outage 1**

ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
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---- Circumferential Weld ----

C05.041.001	2-53B-96-13	2LP-96 OFD-102A-2.2	NDE-35	PT	SS	6.000	0.280	Pipe to Pipe
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**Total C05.041 Items: 1**

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

**Piping Welds ≥ 3/8 In. Nominal Wall Thickness for  
Piping ≥ NPS 4**

DUKE POWER COMPANY  
QUALITY ASSURANCE TECHNICAL SERVICES  
Inservice Inspection Database Management System  
Oconee Unit 2

Inservice Inspection Plan for Interval 3 Outage 1

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ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DI/THK	CAL BLOCKS	COMMENTS
---- Circumferential Weld ----								
C05.051.007	2-01A-5-50	2-01A-5 (2) OFD-122A-2.1	NDE-12	RT	CS	24.000 0.969		S/G 2A Main Steam Nozzle to Reducer weld. TERMINAL END Reducer to Nozzle (S/G 2A)
C05.051.007A	2-01A-5-50	2-01A-5 (2) OFD-122A-2.1	NDE-25	MT	CS	24.000 0.969		S/G 2A Main Steam Nozzle to Reducer weld. TERMINAL END Reducer to Nozzle (S/G 2A)
C05.051.008	2-01A-5-51	2-01A-5 (2) OFD-122A-2.1	NDE-12	RT	CS	24.000 0.969		S/G 2A Main Steam Nozzle to Reducer weld. TERMINAL END Reducer to Nozzle (S/G 2A)
C05.051.008A	2-01A-5-51	2-01A-5 (2) OFD-122A-2.1	NDE-25	MT	CS	24.000 0.969		S/G 2A Main Steam Nozzle to Reducer weld. TERMINAL END Reducer to Nozzle (S/G 2A)
C05.051.016	2-03A-24-WG-106	2-03A-24 OFD-121B-2.3 OM-1201-1475	NDE-12	RT	CS	6.000 0.432		Pipe Cap to Pipe
C05.051.016A	2-03A-24-WG-106	2-03A-24 OFD-121B-2.3 OM-1201-1475	NDE-25	MT	CS	6.000 0.432		Pipe Cap to Pipe
C05.051.026	2-14B-48-109	2-14B-48 OFD-124B-2.2	NDE-12	RT	CS	8.000 0.500		Valve (Valve 2LPSW-21) to Pipe
C05.051.026A	2-14B-48-109	2-14B-48 OFD-124B-2.2	NDE-25	MT	CS	8.000 0.500		Valve (Valve 2LPSW-21) to Pipe
C05.051.027	2-14B-48-111	2-14B-48 OFD-124B-2.2	NDE-12	RT	CS	6.000 0.432		Tee to Flange
C05.051.027A	2-14B-48-111	2-14B-48 OFD-124B-2.2	NDE-25	MT	CS	6.000 0.432		Tee to Flange

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

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

DUKE POWER COMPANY  
QUALITY ASSURANCE TECHNICAL SERVICES  
Inservice Inspection Database Management System  
Oconee Unit 2

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ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DI/THK	CAL BLOCKS	COMMENTS
C05.051.028	2-14B-48-112 Circumferential	2-14B-48 OFD-124B-2.2	NDE-12	RT	CS	6.000 0.432		Flange to Pipe
C05.051.028A	2-14B-48-112 Circumferential	2-14B-48 OFD-124B-2.2	NDE-25	MT	CS	6.000 0.432		Flange to Pipe
C05.051.029	2-14B-48-3 Circumferential	2-14B-48 OFD-124B-2.2	NDE-12	RT	CS	8.000 0.500		Elbow to Elbow
C05.051.029A	2-14B-48-3 Circumferential	2-14B-48 OFD-124B-2.2	NDE-25	MT	CS	8.000 0.500		Elbow to Elbow
C05.051.030	2-14B-48-4 Circumferential	2-14B-48 OFD-124B-2.2	NDE-12	RT	CS	8.000 0.500		Elbow to Pipe
C05.051.030A	2-14B-48-4 Circumferential	2-14B-48 OFD-124B-2.2	NDE-25	MT	CS	8.000 0.500		Elbow to Pipe
<b>Total C05.051 Items:</b>		<b>16</b>						



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

DUKE POWER COMPANY  
QUALITY ASSURANCE TECHNICAL SERVICES  
Inservice Inspection Database Management System  
Oconee Unit 2

2  
**Pipe Branch Connections of Branch Piping ≥ NPS**

Inservice Inspection Plan for Interval 3 Outage 1

ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DI/THK	CAL BLOCKS	COMMENTS
**** Circumferential Weld ****								
C05.081.002	2-MS12A-A	2-01A-5(1)2MS-12A	NDE-25	MT	CS	8.000		For inspection in Outage 1; See Request for Relief ONS-010.
Branch		OFD-122A-2.1				0.906	Main Steam Header to Pipe	
C05.081.003	2-MS15B-A	2-01A-5(3)2MS-15B	NDE-25	MT	CS	8.000		For inspection in Outage 5; See Request for Relief ONS-010.
Branch		OFD-122A-2.1				0.906	Main Steam Header to Pipe	
C05.081.006	2-MS12A-A-1	2-01A-5(1)2MS-12A	NDE-25	MT	CS	20.000		Reference Request for Relief ONS-010.
		OFD-122A-2.1				1.031		

Total C05.081 Items: 3  
Total Category C-F-2 Items: 56

**CATEGORY C-G. Pressure Retaining Welds  
In Pumps And Valves**

DUKE POWER COMPANY  
QUALITY ASSURANCE TECHNICAL SERVICES  
Inservice Inspection Database Management System  
Oconee Unit 2

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**Inservice Inspection Plan for Interval 3 Outage 1**

**Valves**

ITEM NUMBER      ID NUMBER      ISO/DWG NUMBERS      PROC      INSP REQ      MAT/SCH      DIA/THK      CAL BLOCKS      COMMENTS

---- Vaive Body Welds ----

C06.020.001	2-FDW345	OM-245-796	NDE-25	MT	CS	0.000		Valve Body Weld on Valve 2FDW-345.
	Circumferential	OFD-121D-2.1				0.000		Valve Neck to Valve Body

Total C06.020 Items:      1

Total Category C-G Items:      1

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

**Integral Attachment**

DUKE POWER COMPANY  
QUALITY ASSURANCE TECHNICAL SERVICES  
Inservice Inspection Database Management System  
Oconee Unit 2  
Inservice Inspection Plan for Interval 3 Outage 1

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ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
<b>---- Component Supports and Restraints ----</b>								
D02.020.001	2-01A-DE027-A Rigid restraint	0-1403D OFD-122A-2.4	QAL-14	VT-3	NA	6.000 0.125		FILE NO. OSC-445, PROBLEM NO. 2-01-6, SHT 1 OF 4. STEAM SUPPLY TO EFWP.
D02.020.002	2-01A-DE032A Rigid restraint	0-1403D OFD-122A-2.4	QAL-14	VT-3	NA	6.000 0.125		FILE NO. OSC-445, PROBLEM NO. 2-01-6, SHT 1 OF 4. STEAM SUPPLY TO EFWP.
D02.020.004	2-01A-DJB-1004 Rigid restraint	4-0-1400H OFD-122A-2.4	QAL-14	VT-3	NA	6.000 0.216		FILE NO. OSC-445, PROBLEM NO. 2-01-6, SHT 2 OF 4.
D02.020.005	2-01A-R20 Rigid restraint	4-0-1403D OFD-122A-2.4	QAL-14	VT-3	NA	6.000 0.125		FILE NO. OSC-445, PROBLEM NO. 2-01-6, SHT 1 OF 4. STEAM SUPPLY TO EFWP.
D02.020.006	2-01A-R23 Rigid restraint	4-0-1403D OFD-122A-2.4	QAL-14	VT-3	NA	6.000 1.000		FILE NO. OSC-445, PROBLEM NO. 2-01-6, SHT 1 OF 4. STEAM SUPPLY TO EFWP.
D02.020.011	2-03-H60 Rigid restraint	0-551 OFD-121B-2.3	QAL-14	VT-3	NA	24.000 0.500		FILE NO. OS-454, PROBLEM NO. 2-03-01, PG 44.
D02.020.013	2-03A-DE015 Rigid restraint	0-1401B OFD-121D-2.1	QAL-14	VT-3	NA	6.000 0.375		File Number = OSC-447, Page No. 112; Problem Number = 2-03A-05; EFW to Main Feedwater Line
D02.020.014	2-03A-DE024 Rigid restraint	1-0-1400A OFD-121D-2.1	QAL-14	VT-3	NA	6.000 0.125		File Number = OSC-451, Page No. 64A; Problem Number = 2-03A-10; Sys 03A
D02.020.015	2-03A-DE025 Rigid restraint	1-0-1400A OFD-121D-2.1	QAL-14	VT-3	NA	6.000 0.216		File Number = OSC-451, Page No. 84A; Problem Number = 2-03A-10; Sys 03A
D02.020.016	1-03A-DE062 Rigid restraint	1-0-400B OFD-121D-2.1	QAL-14	VT-3	NA	6.000 0.750		File Number = OSC-450, Page No. 107; Problem Number = 2-03A-09; EFW Crossover

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

**Integral Attachment**

**DUKE POWER COMPANY  
QUALITY ASSURANCE TECHNICAL SERVICES  
Inservice Inspection Database Management System  
Oconee Unit 2**

**Inservice Inspection Plan for Interval 3 Outage 1**

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ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
002.020.017	2-03A-GC-1215 Rigid restraint	0-1401A OFD-121D-2.1	QAL-14	VT-3	NA	6.000 0.375		File Number = OSC-447, Page No. 110; Problem Number = 2-03A-05; EFW to Main Feedwater Line
002.020.021	2-03A-H100 Rigid restraint	1-0-2400A OFD-121D-2.1	QAL-14	VT-3	NA	6.000 0.500		File Number = OSC-449; Problem Number = 2-03A-08, Sht. 5 of 6; Emergency Feedwater Bypass Line
002.020.025	2-03A-H12 Rigid restraint	1-0-1437A OFD-121D-2.1	QAL-14	VT-3	NA	6.000 0.125		File Number = OSC-449; Problem Number = 2-03A-08, Sht 3 of 6; Emergency Feedwater Bypass Line
002.020.027	2-03A-H13 Rigid restraint	1-0-1437A OFD-121D-2.1	QAL-14	VT-3	NA	6.000 0.125		File Number = OSC-449; Problem Number = 2-03A-08, Sht 3 of 6; Emergency Feedwater Bypass Line
002.020.028	2-03A-H14 Rigid restraint	1-0-1437A OFD-121D-2.1	QAL-14	VT-3	NA	6.000 0.125		File Number = OSC-449; Problem Number = 2-03A-08, Sht. 4 of 6; Emergency Feedwater Bypass Line
002.020.033	2-03A-H24 Rigid restraint	1-0-1400B OFD-121D-2.1	QAL-14	VT-3	NA	6.000 0.500		File Number = OSC-449; Problem Number = 2-03A-08, Sht. 5 of 6; Emergency Feedwater Bypass Line
002.020.034	2-03A-H25 Rigid restraint	1-0-1400B OFD-121D-2.1	QAL-14	VT-3	NA	6.000 0.500		File Number = OSC-449; Problem Number = 2-03A-08, Sht. 5 of 6; Emergency Feedwater Bypass Line
002.020.036	2-03A-H28 Rigid restraint	1-0-1400A OFD-121D-2.1	QAL-14	VT-3	NA	6.000 0.500		File Number = OSC-450, Page No. 106; Problem Number = 2-03A-09; EFW Crossover
002.020.038	2-03A-H3 Rigid restraint	1-0-1437A OFD-121D-2.1	QAL-14	VT-3	NA	6.000 0.125		File Number = OSC-450, Page No. 105; Problem Number = 2-03A-09; EFW Crossover
002.020.041	2-03A-H38 Rigid restraint	1-0-1400B OFD-121D-2.1	QAL-14	VT-3	NA	6.000 0.375		File Number = OSC-451, Page No. 83; Problem Number = 2-03A-10; Sys 03A

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

**Integral Attachment**

**DUKE POWER COMPANY  
QUALITY ASSURANCE TECHNICAL SERVICES  
Inservice Inspection Database Management System  
Oconee Unit 2**

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**Inservice Inspection Plan for Interval 3 Outage 1**

ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIATHK	CAL BLOCKS	COMMENTS
002.020.044	2-03A-H5 Rigid restraint	1-0-1437A OFD-121D-2.1	QAL-14	VT-3	NA	6.000 0.125		File Number = OSC-450, Page No. 105; Problem Number = 2-03A-09; EFW Crossover
002.020.051	2-03A-H95 Rigid restraint	1-0-1400A OFD-121D-2.1	QAL-14	VT-3	NA	6.000 0.750		File Number = OSC-1213; Problem Number = 2-03A-12, Sht. 1 of 2; Aux Feedwater Discharge Sys.
002.020.061	2-03A-SR12 Rigid restraint	1-0-1437A OFD-121D-2.1	QAL-14	VT-3	NA	6.000 0.500		File Number = OSC-449; Problem Number = 2-03A-08, Sht 3 of 6; Emergency Feedwater Bypass Line
002.020.074	2-03A-SR26 Rigid restraint	1-0-1400A OFD-121D-2.1	QAL-14	VT-3	NA	6.000 0.500		File Number = OSC-450, Page No. 106; Problem Number = 2-03A-09; EFW Crossover
002.020.075	2-03A-SR27 Rigid restraint	1-0-1400A OFD-121D-2.1	QAL-14	VT-3	NA	6.000 0.500		File Number = OSC-450, Page No. 106; Problem Number = 2-03A-09; EFW Crossover
002.020.086	2-03A-SR34 Rigid restraint	1-0-1400B OFD-121D-2.1	QAL-14	VT-3	NA	6.000 0.500		File Number = OSC-451, Page No. 83; Problem Number = 2-03A-10; Sys 03A
002.020.091	2-03A-SR38 Rigid restraint	1-0-1400B OFD-121D-2.1	QAL-14	VT-3	NA	6.000 0.500		File Number = OSC-449; Problem Number = 2-03A-08, Sht. 4 of 6; Emergency Feedwater Bypass Line
002.020.092	2-03A-SR4 Rigid restraint	1-0-1437A OFD-121D-2.1	QAL-14	VT-3	NA	6.000 0.500		File Number = OSC-450, Page No. 105; Problem Number = 2-03A-09; EFW Crossover
002.020.095	2-03A-SR46 Rigid restraint	1-0-1401A OFD-121D-2.1	QAL-14	VT-3	NA	6.000 1.000		File Number = OSC-447, Page No. 110; Problem Number = 2-03A-05; EFW to Main Feedwater Line
002.020.097	2-03A-SR5 Rigid restraint	1-0-1444 OFD-121D-2.1	QAL-14	VT-3	NA	6.000 1.000		File Number = OSC-450, Page No. 105; Problem Number = 2-03A-09; EFW Crossover

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

**Integral Attachment**

DUKE POWER COMPANY  
QUALITY ASSURANCE TECHNICAL SERVICES  
Inservice Inspection Database Management System  
Oconee Unit 2

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**Inservice inspection Plan for Interval 3 Outage 1**

ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
D02.020.098	2-03A-SR55 Rigid restraint	1-0-1400A OFD-121D-2.1	QAL-14	VT-3	NA	6.000 1.000		File Number = OSC-1213; Problem Number = 2-03A-12, Sht. 1 of 2; Aux Feedwater Discharge Sys.
D02.020.101	2-03A-SR9 Rigid restraint	1-0-1401B OFD-121D-2.1	QAL-14	VT-3	NA	6.000 1.000		File Number = OSC-447, Page No. 112; Problem Number = 2-03A-05; EFW to Main Feedwater Line
D02.020.105	0-13-H7000 Rigid restraint	0-447A OFD-133A-2.5	QAL-14	VT-3	NA	16.000 1.000		FILE NO. OSC-1224-25 PROBLEM NO. 4-13-03 SHT.1OF1 SUCTION FOR AUX.&DIESEL ENGINE SWP
<b>Total D02.020 Items:</b>		<b>33,</b>						

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

**Integral Attachment**

DUKE POWER COMPANY  
QUALITY ASSURANCE TECHNICAL SERVICES  
Inservice Inspection Database Management System  
Oconee Unit 2

Inservice Inspection Plan for Interval 3 Outage 1

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ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
**** Spring Type Supports ****								
D02.040.010	2-03A-H18	1-0-1444	QAL-14	VT-3	NA	6.000		File Number = OSC-450, Page No. 105; Problem Number = 2-03A-09; EFW Crossover
	Spring hanger	OFD-121D-2.1				0.500		
D02.040.015	2-07A-H56	6-0-1400A	QAL-14	VT-3	NA	12.000		FILE NO. OSC-467, PROBLEM NO. 2-07-1 SHTS. 1 OF 6, 2 OF 6, & 3 OF 6. CONDENSATE SYSTEM.
	Spring hanger	OFD-121A-2.8				0.750		
D02.040.018	2-14B-H28	0-1436A	QAL-14	VT-3	NA	16.000		FILE NO. OSC-475 PROBLEM NO. 2-14-6 SHT3OF3 LP SERVICE WATER
	Spring hanger	OFD-124B-2.1				0.187		

Total D02.040 Items: 3

Total Category D-B Items: 36

**CATEGORY D-C, Systems In Support Of  
RHR From Spent Fuel Storage Pool**

DUKE POWER COMPANY  
QUALITY ASSURANCE TECHNICAL SERVICES  
Inservice Inspection Database Management System  
Oconee Unit 2

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**Inservice Inspection Plan for Interval 3 Outage 1**

Integral Attachment

ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIATHK	CAL BLOCKS	COMMENTS
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\*\*\*\* Component Supports and Restraints \*\*\*\*

D03.020.001	2-56-SR16 Rigid restraint	0-437B OFD-104A-1.1	QAL-14	VT-3	NA	8.000 0.500		Calclaton No. OS-421 Page 96.1; Problem No.4-56-02 Spent Fuel Cooling System 56
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Total D03.020 Items: 1

Total Category D-C Items: 1



**CATEGORY F-A, Supports (Category A)**

DUKE POWER COMPANY  
 QUALITY ASSURANCE TECHNICAL SERVICES  
 Inservice Inspection Database Management System  
 Oconee Unit 2

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

Inservice Inspection Plan for Interval 3 Outage 1

ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
F01.010.005	2-51A-H9B Rigid restraint	0-1479A OFD-101A-2.4	QAL-14	VT-3	NA	2.500 0.500		FILE NO. OSC-1323 PROBLEM NO.2-51-24 HPI SYSTEM WEST COOLANT LOOP SOUTH LEG
<b>Total F01.010 Items:</b>		<b>1</b>						
F01.011.006	2-53A-H28C Rigid restraint	0-1481A OFD-100A-2.2 0-2RB-25314-02	QAL-14	VT-3	NA	1.500 0.250		PROBLEM NO.2-53-14 LPINJ. TO PZR SPRAY
<b>Total F01.011 Items:</b>		<b>1</b>						
F01.012.002	2-50-H3 Hyd snubber	0-1481A OFD-100A-2.2	QAL-14	VT-3	NA	2.500 0.154		FILE NO. OSC-1324-06 SHT.1OF2 PROBLEM NO.2-53-14 PZR SPRAY SYSTEM
<b>Total F01.012 Items:</b>		<b>1</b>						

**CATEGORY F-A, Supports (Category A)**

DUKE POWER COMPANY  
 QUALITY ASSURANCE TECHNICAL SERVICES  
 Inservice Inspection Database Management System  
 Oconee Unit 2

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**Class 2 Weld Connections to Building Structure**

**Inservice Inspection Plan for Interval 3 Outage 1**

ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIATHK	CAL BLOCKS	COMMENTS
F01.020.002	2-01A-H21 Rigid restraint	0-1401B OFD-122A-2.1	QAL-14	VT-3	NA	36.000 0.000		FILE NO. OSC-440 PROBLEM NO. 2-01-01 PAGE 40 MAIN STEAM PIPING
F01.020.007	2-14B-H11E Rigid restraint	0-1479A OFD-124B-2.2	QAL-14	VT-3	NA	8.000 1.500		FILE NO. OSC-1325-09 PROBLEM NO. 2-14-10 sht.1of10 REACTOR BLDG. VENTILATION
F01.020.012	2-51A-DE008 Rigid restraint	0-435C OFD-101A-2.4	QAL-14	VT-3	NA	4.000 0.000		FILE NO. OSC-1023 PROBLEM NO.2-51-18 PAGE 49.1 HPI SYSTEM CROSSOVER LINE
F01.020.022	2-53B-DE016 Rigid restraint	0-435B OFD-102A-2.2	QAL-14	VT-3	NA	10.000 0.000		FILE NO. OS-487, PROBLEM NO. 2-53-01, SHT 3 OF 5. L. P. INJECTION & DECAY HEAT REMOVAL SYSTEM 53B.
F01.020.027	2-53B-H10 Rigid restraint	2-0-436E OFD-101A-2.3	QAL-14	VT-3	NA	6.000 0.216		File Number = OSC-481,Page 143; Problem Number = 51-2
F01.020.035	2-54A-H1 Rigid restraint	3-0-1444 OFD-103A-2.1	QAL-14	VT-3	NA	8.000 0.500		FILE NO. OS-494, PROBLEM NO. 2-54-1, SHT 1 OF 1. REACTOR BUILDING SPRAY LINE "2A".
F01.020.041	2-56-DE008 Rigid restraint	438C OFD-104A-1.1	QAL-14	VT-3	NA	8.000 0.000		Calculator No. OS-421 Page 97; Problem No.4-56-02 Spent Fuel Cooling System 56
<b>Total F01.020 Items:</b>		<b>7</b>						
F01.021.003	2-14B-DE193 Rigid restraint	0-1439A OFD-124B-2.2	QAL-14	VT-3	NA	8.000 0.000		FILE NO. OSC-474 PROBLEM NO. 4-14-04 SHT.3OF3 L.P.S.WATER DISCHARGE
F01.021.014	2-51A-H12 Rigid restraint	2-0-1439C OFD-101A-2.4	QAL-14	VT-3	NA	4.000 0.000		FILE NO. OSC-1023 PROBLEM NO.2-51-18 PAGE 51.1 HPI SYSTEM CROSSOVER LINE

**CATEGORY F-A, Supports (Category B)**

DUKE POWER COMPANY  
 QUALITY ASSURANCE TECHNICAL SERVICES  
 Inservice Inspection Database Management System  
 Oconee Unit 2

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**Class 2 Weld Connections to Building Structure**

Inservice Inspection Plan for Interval 3 Outage 1

ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS	
F01.021.026	2-54A-R3 Rigid restraint	3-0-1444 OFD-103A-2.1	QAL-14	VT-3	NA	8.000 0.500		FILE NO. OS-496, PROBLEM NO. 2-54-03, SHT 2 OF 2. SYSTEM 54A.	
<b>Total F01.021 Items:</b>		<b>3</b>							
F01.022.001	2-01A-H1 Spring hanger	0-1441 OFD-122A-2.1	QAL-14	VT-3	NA	36.000 0.500		FILE NO. OSC-440 PROBLEM NO. 2-01-01 PAGE 40 MAIN STEAM PIPING	
F01.022.007	2-03-H2A Constant support	0-1479A OFD-121B-2.3	QAL-14	VT-3	NA	14.000 0.000		MAIN FEEDWATER WEST GEN. 2B, DWG NO. O-1490 B-4.	
F01.022.014	2-53B-EMO-H50 Spring hanger	0-435B OFD-102A-2.1	QAL-14	VT-3	NA	14.000 0.000		FILE NO. OS-487, PROBLEM NO. 2-53-01, SHT 1 OF 5. LPI TO DECAY HEAT REMOVAL SYSTEM 53B.	
F01.022.020	2-54A-R101 Hyd snubber	3-0-435B OFD-103A-2.1	QAL-14	VT-3	NA	8.000 0.000		FILE NO. OS-494, PROBLEM NO. 2-54-1, SHT 1 OF 1. REACTOR BUILDING SPRAY LINE "2A".	
<b>Total F01.022 Items:</b>		<b>4</b>							

**CATEGORY F-A, Supports (Category A)**

DUKE POWER COMPANY  
 QUALITY ASSURANCE TECHNICAL SERVICES  
 Inservice Inspection Database Management System  
 Oconee Unit 2  
 Inservice Inspection Plan for Interval 3 Outage 1

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

ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
F01.030.006	2-03A-DE009 Rigid restraint	0-1401B OFD-121D-2.1	QAL-14	VT-3	NA	6.000 0.000		File Number = OSC-447, Page No. 112; Problem Number = 2-03A-05; EFW to Main Feedwater Line
F01.030.012	2-03A-H108 Rigid restraint	1-0-1400A OFD-121D-2.1	QAL-14	VT-3	NA	6.000 0.000		File Number = OSC-1213; Problem Number = 2-03A-12, Sht. 1 of 2; Aux Feedwater Discharge Sys.
F01.030.018	2-03A-H88 Rigid restraint	1-0-1400A OFD-121D-2.1	QAL-14	VT-3	NA	6.000 0.000		File Number = OSC-1213; Problem Number = 2-03A-12, Sht. 1 of 2; Aux Feedwater Discharge Sys.  Sway Strut to Other
F01.030.024	2-07A-H58 Rigid restraint	6-0-1400A OFD-121A-2.8	QAL-14	VT-3	NA	12.000 0.000		FILE NO. OSC-467, PROBLEM NO. 2-07-1 SHTS. 1 OF 6, 2 OF 6, & 3 OF 6. CONDENSATE SYSTEM.
F01.030.030	2-14B-DE105 Rigid restraint	0-400B OFD-124A-1.1	QAL-14	VT-3	NA	24.000 0.000		Calculation No. OS-395 Page 40 problem no. 1-14A-01 page 1 of 2 Low Pressure Service Water
F01.030.036	2-56-H29 Rigid restraint	2-0-437B OFD-104A-1.1	QAL-14	VT-3	NA	8.000 0.000		Calcalaton No. OS-421 Page 96.1; Problem No.4-56-02 Spent Fuel Cooling System 56
<b>Total F01.030 Items:</b>		<b>6</b>						
F01.031.001	0-13-H7000 Rigid restraint	0-447A OFD-133A-2.5	QAL-14	VT-3	NA	16.000 1.000		FILE NO. OSC-1224-25 PROBLEM NO. 4-13-03 SHT.1 OF 1 SUCTION FOR AUX.&DIESEL ENGINE SWP
F01.031.007	2-03A-H73 Rigid restraint	1-0-1400A OFD-121D-2.1	QAL-14	VT-3	NA	6.000 0.000		File Number = OSC-1212; Problem Number = 2-03A-11, Sht. 1 of 2; Aux Feedwater Discharge System
F01.031.012	2-03A-SR3 Rigid restraint	1-0-1401A OFD-121D-2.1	QAL-14	VT-3	NA	6.000 0.000		File Number = OSC-447, Page No. 111; Problem Number = 2-03A-05; EFW to Main Feedwater Line

**CATEGORY F-A, Supports (Category B)**

DUKE POWER COMPANY  
QUALITY ASSURANCE TECHNICAL SERVICES  
Inservice Inspection Database Management System  
Oconee Unit 2

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

**Inservice Inspection Plan for Interval 3 Outage 1**

ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIATHK	CAL BLOCKS	COMMENTS
<b>Total F01.031 Items:</b>		<b>3</b>						
F01.032.008	2-13-H9 Spring hanger	7-0-1400B OFD-133A-2.2	QAL-14	VT-3	NA	12.000 0.000		File Number = OS-471; Problem Number = 13-7, Sht. 1 of 1; Emergency Cooling Water Discharge
F01.032.009	2-14B-H28 Spring hanger	0-1436A OFD-124B-2.1	QAL-14	VT-3	NA	16.000 0.187		FILE NO. OSC-475 PROBLEM NO. 2-14-6 SHT3OF3 LP SERVICE WATER
<b>Total F01.032 Items:</b>		<b>2</b>						

**CATEGORY F-A, Supports**

DUKE POWER COMPANY  
 QUALITY ASSURANCE TECHNICAL SERVICES  
 Inservice Inspection Database Management System  
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**Clearances of Guides & Stops, Align of Supps,  
 Assembly of Supp Items**

**Inservice Inspection Plan for Interval 3 Outage 1**

ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
F01.040.003	2-PZFI-SKIRT	ISI-OCN2-002 OM-1201-858 B&W14977E	QAL-14	VT-3	CS	0.000 0.000		Pressurizer Support Stand. Class A. Lug to Shell
F01.040.005	2-DHRC-A-SUPPORT	OM-201-286 OFD-102A-2.2	QAL-14	VT-3	NA	0.000 0.000		Decay Heat Removal Cooler 2A Support. Class B
F01.040.012	2-LPI-PU-A	OM-1201-1121 OFD-102A-2.2	QAL-14	VT-3	NA	0.000 0.000		LPI Pump "A" Support Pad & Legs. Class B
F01.040.014	2-LPSW-STR-A	OM-240-0002 OFD-124A-1.1	QAL-14	VT-3	NA	0.000 0.000		Low Pressure Service Water Strainer 2A Support Legs. Class C

Total F01.040 Items: 4

Total Category F-A Items: 32

**CATEGORY AUG, Augmented Inspections**

DUKE POWER COMPANY  
 QUALITY ASSURANCE TECHNICAL SERVICES  
 Inservice Inspection Database Management System  
 Oconee Unit 2  
 inservice inspection Plan for Interval 3 Outage 1

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**Reactor Coolant Pump Flywheel**

ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIATHK	CAL BLOCKS	COMMENTS
G01.001.001A	2-RCP-2A1	OM-201D-038 OFD-100A-2.1	NDE-25	MT	CS	72.000 9.500		Reference Section 7 Paragraph 7.1.1 of the ISI Plan - Volume 1. RCP 2A1 Flywheel to Other
G01.001.002A	2-RCP-2A2	OM-201D-038 OFD-100A-2.1	NDE-25	MT	CS	72.000 9.500		Reference Section 7 Paragraph 7.1.1 of the ISI Plan - Volume 1. RCP 2A2 Flywheel to Other
G01.001.003A	2-RCP-2B1	OM-201D-038 OFD-100A-2.1	NDE-25	MT	CS	72.000 9.500		Reference Section 7 Paragraph 7.1.1 of the ISI Plan - Volume 1. RCP 2B1 Flywheel to Other
G01.001.004A	2-RCP-2B2	OM-201D-038 OFD-100A-2.1	NDE-25	MT	CS	72.000 9.500		Reference Section 7 Paragraph 7.1.1 of the ISI Plan - Volume 1. RCP 2B2 Flywheel to Other

Total G01.001 Items: 4

Total Category AUG Items: 4

**CATEGORY AUG, Augmented Inspections**

DUKE POWER COMPANY  
 QUALITY ASSURANCE TECHNICAL SERVICES  
 Inservice Inspection Database Management System  
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**High Pressure Injection Nozzle Safe End**

**Inservice Inspection Plan for Interval 3 Outage 1**

ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIATHK	CAL	BLOCKS	COMMENTS
G02.001.001	2-PDA1-47	ISI-OCN2-011 B&W146629E OFD-100A-2.1	NDE-610	UT	SS	3.500	TBD	0.750	A1 Discharge Make-Up Nozzle Safe-End Pc. 47. Reference Section 7 Paragraph 7.1.2 of the ISI Plan - Volume 1.
G02.001.001A	2-PDA1-47	ISI-OCN2-011 B&W146629E OFD-100A-2.1	NDE-12	RT	SS	3.500		0.750	A1 Discharge Make-Up Nozzle Safe-End Pc. 47. Reference Section 7 Paragraph 7.1.2 of the ISI Plan - Volume 1.
G02.001.002	2-PDA2-47	ISI-OCN2-012 B&W146629E OFD-100A-2.1	NDE-610	UT	SS	3.500	TBD	0.750	A2 Discharge Make-Up Nozzle Safe-End Pc. 47. Reference Section 7 Paragraph 7.1.2 of the ISI Plan - Volume 1.
G02.001.002A	2-PDA2-47	ISI-OCN2-012 B&W146629E OFD-100A-2.1	NDE-12	RT	SS	3.500		0.750	A2 Discharge Make-Up Nozzle Safe-End Pc. 47. Reference Section 7 Paragraph 7.1.2 of the ISI Plan - Volume 1.
G02.001.003	2-PDB1-47	ISI-OCN2-013 B&W146629E OFD-100A-2.1	NDE-12	RT	SS	3.500		0.750	B1 Discharge HPI Nozzle Safe-End Pc. 47. Reference Section 7 Paragraph 7.1.2 of the ISI Plan - Volume 1.
G02.001.004	2-PDB2-47	ISI-OCN2-014 B&W146629E OFD-100A-2.1	NDE-610	UT	SS	3.500	TBD	0.750	B2 Discharge HPI Nozzle Safe-End Pc. 47. Reference Section 7 Paragraph 7.1.2 of the ISI Plan - Volume 1.
G02.001.004A	2-PDB2-47	ISI-OCN2-014 B&W146629E OFD-100A-2.1	NDE-12	RT	SS	3.500		0.750	B2 Discharge HPI Nozzle Safe-End Pc. 47. Reference Section 7 Paragraph 7.1.2 of the ISI Plan - Volume 1.

**Total G02.001 Items: 7**

**Total Category AUG Items: 7**



**CATEGORY AUG, Augmented Inspections**

DUKE POWER COMPANY  
 QUALITY ASSURANCE TECHNICAL SERVICES  
 Inservice Inspection Database Management System  
 Oconee Unit 2

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Inservice Inspection Plan for Interval 3 Outage 1

ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK CAL BLOCKS	COMMENTS
G04.001.001	2-51A-39-90C Circumferential	2-51A-39(3) OFD-101A-2.4	NDE-600	UT	SS	2.500 TBD 0.375	Inspect 100% of weld & 1" of base material (axial & circumferential). Reference Section 7 Paragraph 7.1.4 of ISI Plan - Volume 1.  Pipe to Safe-End
G04.001.002	2-51A-39-90B Circumferential	2-51A-39(3) OFD-101A-2.4	NDE-600	UT	SS	2.500 TBD 0.375	Inspect 100% of weld & 1" of base material (axial & circumferential). Reference Section 7 Paragraph 7.1.4 of ISI Plan - Volume 1.  Pipe to Pipe
G04.001.003	2-51A-39-91 Circumferential	2-51A-39(3) OFD-101A-2.4	NDE-600	UT	SS	2.500 TBD 0.375	Inspect 100% of weld & 1" of base material (axial & circumferential). Reference Section 7 Paragraph 7.1.4 of ISI Plan - Volume 1.  Pipe to Valve (2HP-153)
G04.001.004	2-51A-39-92A Circumferential	2-51A-39(3) OFD-101A-2.4	NDE-600	UT	SS	2.500 TBD 0.375	Inspect 100% of weld & 1" of base material (axial & circumferential). Reference Section 7 Paragraph 7.1.4 of ISI Plan - Volume 1.  Pipe to Safe-End
G04.001.005	2-51A-39-92B Circumferential	2-51A-39(3) OFD-101A-2.4	NDE-600	UT	SS	2.500 TBD 0.375	Inspect 100% of weld & 1" of base material (axial & circumferential). Reference Section 7 Paragraph 7.1.4 of ISI Plan - Volume 1.  Pipe to Pipe
G04.001.006	2-51A-39-93 Circumferential	2-51A-39(3) OFD-101A-2.4	NDE-600	UT	SS	2.500 TBD 0.375	Inspect 100% of weld & 1" of base material (axial & circumferential). Reference Section 7 Paragraph 7.1.4 of ISI Plan - Volume 1.  Pipe to Valve (2HP-152)
G04.001.007	2-51A-27-73 Circumferential	2-51A-27(2) OFD-101A-2.4	NDE-600	UT	SS	2.500 TBD 0.375	Inspect 100% of weld & 1" of base material (axial & circumferential). Reference Section 7 Paragraph 7.1.4 of ISI Plan - Volume 1.  Elbow to Pipe
G04.001.008	2-51A-27-81 Circumferential	2-51A-27(2) OFD-101A-2.4	NDE-600	UT	SS	2.500 TBD 0.375	Inspect 100% of weld & 1" of base material (axial & circumferential). Reference Section 7 Paragraph 7.1.4 of ISI Plan - Volume 1.  Elbow to Pipe
G04.001.009	2-51A-27-82 Circumferential	2-51A-27(2) OFD-101A-2.4	NDE-600	UT	SS	2.500 TBD 0.375	Inspect 100% of weld & 1" of base material (axial & circumferential). Reference Section 7 Paragraph 7.1.4 of ISI Plan - Volume 1.  Pipe to Valve (2HP-152)
G04.001.010	2-51A-27-108 Circumferential	2-51A-27(3) OFD-101A-2.4	NDE-600	UT	SS	2.500 TBD 0.375	Inspect 100% of weld & 1" of base material (axial & circumferential). Reference Section 7 Paragraph 7.1.4 of ISI Plan - Volume 1.  Pipe to Elbow

**CATEGORY AUG, Augmented Inspections**

DUKE POWER COMPANY  
QUALITY ASSURANCE TECHNICAL SERVICES  
Inservice Inspection Database Management System  
Oconee Unit 2

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**Inservice Inspection Plan for Interval 3 Outage 1**

ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DI/THK	CAL BLOCKS	COMMENTS
G04.001.012	2-51A-27-111 Circumferential	2-51A-27(3) OFD-101A-2.4	NDE-600	UT	SS	2.500 0.375	TBD	Inspect 100% of weld & 1" of base material (axial & circumferential). Reference Section 7 Paragraph 7.1.4 of ISI Plan - Volume 1.

Total G04.001 Items: 11

Total Category AUG Items: 11

**CATEGORY AUG, Augmented Inspections**

DUKE POWER COMPANY  
 QUALITY ASSURANCE TECHNICAL SERVICES  
 Inservice Inspection Database Management System  
 Oconee Unit 2  
 Inservice Inspection Plan for Interval 3 Outage 1

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

ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
G09.001.002	2-51A-17-12 Circumferential	2-51A-17 (1) OFD-101A-2.3	NDE-35	PT	SS	6.000 0.280		Non-Legitimate Weld in Inspection Category C-F-1. Reference Section 7, Paragraph 7.1.9 in ISI Plan - Volume 1. Elbow to Pipe
G09.001.003	2-51A-17-16C Circumferential	2-51A-17 (1) OFD-101A-2.3	NDE-35	PT	SS	6.000 0.280		Non-Legitimate Weld in Inspection Category C-F-1. Reference Section 7, Paragraph 7.1.9 in ISI Plan - Volume 1. Pipe to Tee
G09.001.006	2-53B-17-118 Circumferential	2-53B-17(3) OFD-102A-2.2	NDE-35	PT	SS	14.000 0.250		Non-Legitimate Weld in Inspection Category C-F-1. Reference Section 7, Paragraph 7.1.9 in ISI Plan - Volume 1. Pipe to Tee
G09.001.008	2-53B-18-55 Circumferential	2-53B-18(3) OFD-102A-2.1	NDE-35	PT	SS	14.000 0.250		Non-Legitimate Weld in Inspection Category C-F-1. Reference Section 7, Paragraph 7.1.9 in ISI Plan - Volume 1. Pipe to Valve (2LP-8)
G09.001.014	2-53B-19-52 Circumferential	2-53B-19(4) OFD-102A-2.2	NDE-35	PT	SS	10.000 0.250		Non-Legitimate Weld in Inspection Category C-F-1. Reference Section 7, Paragraph 7.1.9 in ISI Plan - Volume 1. Pipe to Elbow
G09.001.027	2-53B-31-17E Circumferential	2-53B-31(2) OFD-102A-2.2	NDE-35	PT	SS	10.000 0.165		Non-Legitimate Weld in Inspection Category C-F-1. Reference Section 7, Paragraph 7.1.9 in ISI Plan - Volume 1. Pipe to Elbow
G09.001.028	2-53B-31-14 Circumferential	2-53B-31(2) OFD-102A-2.2	NDE-35	PT	SS	10.000 0.165		Non-Legitimate Weld in Inspection Category C-F-1. Reference Section 7, Paragraph 7.1.9 in ISI Plan - Volume 1. Pipe to Elbow
G09.001.029	2-53B-31-8 Circumferential	2-53B-31(2) OFD-102A-2.2	NDE-35	PT	SS	10.000 0.165		Non-Legitimate Weld in Inspection Category C-F-1. Reference Section 7, Paragraph 7.1.9 in ISI Plan - Volume 1. Pipe to Valve (2LP-13)
G09.001.030	2-53B-31-20 Circumferential	2-53B-31(3) OFD-102A-2.2	NDE-35	UT	SS	10.000 0.250		Non-Legitimate Weld in Inspection Category C-F-1. Reference Section 7, Paragraph 7.1.9 in ISI Plan - Volume 1. Pipe to Elbow

Total G09.001 Items: 9

Total Category AUG Items: 9

Duke Power Company  
Quality Assurance Technical Services

Inservice Inspection Plan For:

Oconee Unit 2

Interval 3

ISI Outage 1

Refueling Outage EOC 15

**Pressure Test Listing**

Revision 0

Run Date: March 22, 1994

OCONEE UNIT NUMBER 2  
CLASS A (CATEGORY B-F) REQUIREMENTS  
FOR OUTAGE NUMBER 15

<u>ITEM NO.</u>	<u>DRAWING</u>	<u>REV</u>	<u>TEST</u>	<u>COMP</u>	<u>COMP NAME</u>	<u>REQ. INSP</u>	<u>REQ. PROC</u>	<u>COMMENTS</u>
B15.050.001	SEE COMMENTS	N/A	LEAK	VARIOUS	RC SYSTEM	VT-2	QAL-15	Drawings that make up the Class A Leakage Boundary: OFDL-100A-2.1, OFDL-100A-2.2, OFDL-100A-2.3, OFDL-101A-2.1, OFDL-101A-2.4, OFDL-101A-2.5, OFDL-102A-2.1, OFDL-102A-2.2, OFDL-102A-2.3, OFDL-110A-2.1, OFDL-110A-2.4, OFDL-127B-2.2

OCONEK UNIT NUMBER 2  
CLASS B (CATEGORY C-H) REQUIREMENTS  
FOR OUTAGE NUMBER 15

ITEM NO.	DRAWING	REV	TEST	COMP	COMP NAME	REQ. INSP	REQ. PROC	COMMENTS
C07.030.001	OFDL-101A-2.1	00	INS/FUN	VARIOUS	HPI SYSTEM	VT-2	QAL-15	Penetrations 6 and 7
C07.030.002	OFDL-101A-2.2	00	INSER	VARIOUS	HPI SYSTEM	VT-2	QAL-15	
C07.030.003	OFDL-101A-2.3	00	INSER	VARIOUS	HPI SYSTEM	VT-2	QAL-15	
C07.030.004	OFDL-101A-2.4	00	INS/FUN	VARIOUS	HPI SYSTEM	VT-2	QAL-15	Penetrations 8, 9, 10, 23 and 52
C07.030.005	OFDL-101A-2.5	00	INSER	VARIOUS	HPI SYSTEM	VT-2	QAL-15	
C07.030.006	OFDL-102A-2.1	00	INS/FUN	VARIOUS	LPI SYSTEM	VT-2	QAL-15	Penetrations 36, 37 and 62
C07.030.007	OFDL-104A-1.1	00	FUNCT	VARIOUS	SF SYSTEM	VT-2	QAL-15	
C07.030.008	OFDL-104A-1.2	02	INSER	VARIOUS	SF SYSTEM	VT-2	QAL-15	
C07.030.009	OFDL-102A-2.2	00	INS/FUN	VARIOUS	LPI SYSTEM	VT-2	QAL-15	Penetrations 15 and 16
C07.030.010	OFDL-102A-2.3	00	FUNCT	VARIOUS	LPI SYSTEM	VT-2	QAL-15	Penetrations 39 and 59
C07.030.011	OFDL-103A-2.1	00	FUNCT	VARIOUS	BS SYSTEM	VT-2	QAL-15	
C07.030.012	OFDL-106E-2.1	00	FUNCT	VARIOUS	DW SYSTEM	VT-2	QAL-15	Penetrations 46 and 55
C07.030.013	OFDL-107A-2.1	00	FUNCT	VARIOUS	CS SYSTEM	VT-2	QAL-15	Penetrations 18 and 38
C07.030.014	OFDL-107A-2.2	00	FUNCT	VARIOUS	CS SYSTEM	VT-2	QAL-15	Penetration 29
C07.030.015	OFDL-107B-2.1	00	FUNCT	VARIOUS	LWD SYSTEM	VT-2	QAL-15	Penetration 5
C07.030.016	OFDL-107D-2.2	00	FUNCT	VARIOUS	LWD SYSTEM	VT-2	QAL-15	Penetration 40
C07.030.017	OFDL-110A-2.1	00	FUNCT	VARIOUS	CA SYSTEM	VT-2	QAL-15	Penetrations 2 and 58
C07.030.018	OFDL-110A-2.3	00	FUNCT	VARIOUS	CA SYSTEM	VT-2	QAL-15	Penetrations 24 and 42
C07.030.019	OFDL-110A-2.4	00	FUNCT	VARIOUS	CA SYSTEM	VT-2	QAL-15	
C07.030.020	OFDL-116A-2.1	00	FUNCT	VARIOUS	PR SYSTEM	VT-2	QAL-15	Penetrations 19 and 20

OCONEE UNIT NUMBER 2  
CLASS B (CATEGORY C-H) REQUIREMENTS  
FOR OUTAGE NUMBER 15

ITEM NO.	DRAWING	REV	TEST	COMP	COMP NAME	REQ. INSP	REQ. PROC	COMMENTS
C07.030.021	OFDL-116C-2.1	00	FUNCT	VARIOUS	PR SYSTEM	VT-2	QAL-15	Penetrations 60 and 61
C07.030.022	OFDL-121B-2.3	00	INS/FUN	VARIOUS	FDW SYSTEM	VT-2	QAL-15	Penetrations 25 and 27
C07.030.023	OFDL-121B-2.5	00	FUNCT	VARIOUS	FDW SYSTEM	VT-2	QAL-15	Penetrations 4 and 43
C07.030.024	OFDL-121D-2.1	00	FUNCT	VARIOUS	EFW SYSTEM	VT-2	QAL-15	Penetrations 17 and 50
C07.030.025	OFDL-122A-2.1	00	INSER	VARIOUS	MS SYSTEM	VT-2	QAL-15	Penetrations 26 and 28
C07.030.026	OFDL-122A-2.2	00	INSER	VARIOUS	MS SYSTEM	VT-2	QAL-15	
C07.030.027	OFDL-122A-2.3	00	INSER	VARIOUS	MS SYSTEM	VT-2	QAL-15	
C07.030.028	OFDL-122A-2.4	00	INSER	VARIOUS	MS SYSTEM	VT-2	QAL-15	
C07.030.029	OFDL-122B-2.1	00	INSER	VARIOUS	MS SYSTEM	VT-2	QAL-15	
C07.030.030	OFDL-124B-2.2	00	FUNCT	VARIOUS	LPSW SYSTEM	VT-2	QAL-15	Penetrations 30, 31, 32, 33, 34 and 35
C07.030.031	OFDL-124B-2.4	00	INSER	VARIOUS	LPSW SYSTEM	VT-2	QAL-15	Penetrations 21 and 22
C07.030.032	OFDL-127B-2.2	00	FUNCT	VARIOUS	N SYSTEM	VT-2	QAL-15	Penetrations 39 and 53
C07.030.034	OFDL-137A-2.3	00	INSER	VARIOUS	BA SYSTEM	VT-2	QAL-15	Penetration 48
C07.030.035	OFDL-137B-1.2	01	FUNCT	VARIOUS	IA SYSTEM	VT-2	QAL-15	Penetration 41
C07.030.036	OFDL-137E-1.1	01	FUNCT	VARIOUS	LRT SYSTEM	VT-2	QAL-15	Penetrations 45 and 51
C07.030.037	OFDL-144A-2.2	00	FUNCT	VARIOUS	CC SYSTEM	VT-2	QAL-15	Penetrations 3 and 54
C07.030.038	OFDL-144A-2.3	00	FUNCT	VARIOUS	CC SYSTEM	VT-2	QAL-15	Penetration 44

OCONEE UNIT NUMBER 2  
CLASS C (CATEGORY D-A) REQUIREMENTS  
FOR OUTAGE NUMBER 15

ITEM NO.	DRAWING	REV	TEST	COMP	COMP NAME	REQ. INSP	REQ. PROC	COMMENTS
D01.011.001	OFDL-100A-2.3	00	INSERT	VARIOUS	RC SYSTEM	VT-2	QAL-15	
D01.011.002	OFDL-101A-2.1	00	INSERT	VARIOUS	HPI SYSTEM	VT-2	QAL-15	
D01.011.003	OFDL-101A-2.2	00	INSERT	VARIOUS	HPI SYSTEM	VT-2	QAL-15	
D01.011.004	OFDL-101A-2.3	00	INSERT	VARIOUS	HPI SYSTEM	VT-2	QAL-15	
D01.011.005	OFDL-101A-2.4	00	INSERT	VARIOUS	HPI SYSTEM	VT-2	QAL-15	
D01.011.006	OFDL-101A-2.5	00	INSERT	VARIOUS	HPI SYSTEM	VT-2	QAL-15	
D01.011.007	OFDL-102A-2.1	00	INSERT	VARIOUS	LPI SYSTEM	VT-2	QAL-15	
D01.011.008	OFDL-109A-1.1	00	INSERT	VARIOUS	HP SYSTEM	VT-2	QAL-15	
D01.011.009	OFDL-102A-2.2	00	INSERT	VARIOUS	LPI SYSTEM	VT-2	QAL-15	
D01.011.010	OFDL-106A-2.2	00	INSERT	VARIOUS	CT SYSTEM	VT-2	QAL-15	
D01.011.011	OFDL-110A-2.1	00	INSERT	VARIOUS	CA SYSTEM	VT-2	QAL-15	
D01.011.012	OFDL-110A-2.4	00	INSERT	VARIOUS	CA SYSTEM	VT-2	QAL-15	
D01.011.013	OFDL-144A-2.2	00	INSERT	VARIOUS	CC SYSTEM	VT-2	QAL-15	



OCONEE UNIT NUMBER 2  
CLASS C (CATEGORY D-B) REQUIREMENTS  
FOR OUTAGE NUMBER 15

ITEM NO.	DRAWING	REV	TEST	COMP	COMP NAME	REQ. INSP	REQ. PROC	COMMENTS
D02.011.002	OFDL-121A-1.8	02	FUNCT	VARIOUS	C SYSTEM	VT-2	QAL-15	
D02.011.003	OFDL-121A-2.3	00	FUNCT	VARIOUS	C SYSTEM	VT-2	QAL-15	
D02.011.004	OFDL-121A-2.7	00	FUNCT	VARIOUS	C SYSTEM	VT-2	QAL-15	
D02.011.005	OFDL-121A-2.8	00	FUNCT	VARIOUS	C SYSTEM	VT-2	QAL-15	
D02.011.006	OFDH-121B-2.3	00	FUNCT	VARIOUS	FDW SYSTEM	VT-2	QAL-15	
D02.011.007	OFDL-121B-2.5	00	FUNCT	VARIOUS	FDW SYSTEM	VT-2	QAL-15	
D02.011.009	OFDL-121D-2.1	00	FUNCT	VARIOUS	EFW SYSTEM	VT-2	QAL-15	
D02.011.011	OFDL-121D-1.2	02	FUNCT	VARIOUS	EFW SYSTEM	VT-2	QAL-15	
D02.011.012	OFDL-122A-2.4	00	FUNCT	VARIOUS	MS SYSTEM	VT-2	QAL-15	
D02.011.013	OFDL-124A-1.1	02	FUNCT	VARIOUS	LPSW SYSTEM	VT-2	QAL-15	
D02.011.014	OFDL-124A-2.3	00	FUNCT	VARIOUS	LPSW SYSTEM	VT-2	QAL-15	
D02.011.015	OFDL-124B-2.1	01	FUNCT	VARIOUS	LPSW SYSTEM	VT-2	QAL-15	
D02.011.016	OFDL-124B-2.2	00	FUNCT	VARIOUS	LPSW SYSTEM	VT-2	QAL-15	
D02.011.017	OFDL-124B-2.4	00	FUNCT	VARIOUS	LPSW SYSTEM	VT-2	QAL-15	
D02.011.018	OFDL-133A-2.1	01	FUNCT	VARIOUS	CCW SYSTEM	VT-2	QAL-15	
D02.011.019	OFDL-133A-2.2	01	FUNCT	VARIOUS	CCW SYSTEM	VT-2	QAL-15	
D02.011.020	OFDL-124C-2.2	00	FUNCT	VARIOUS	CCW SYSTEM	VT-2	QAL-15	
D02.011.021	OFDL-133A-2.3	00	FUNCT	VARIOUS	CCW SYSTEM	VT-2	QAL-15	
D02.011.022	OFDL-133A-2.5	01	FUNCT	VARIOUS	CCW SYSTEM	VT-2	QAL-15	
D02.011.023	OFDL-135A-1.2	00	FUNCT	VARIOUS	FO SYSTEM	VT-2	QAL-15	This is a unit 1 system tested as a unit 2 component.

OCONEE UNIT NUMBER 2  
CLASS C (CATEGORY D-B) REQUIREMENTS  
FOR OUTAGE NUMBER 15

<u>ITEM NO.</u>	<u>DRAWING</u>	<u>REV</u>	<u>TEST</u>	<u>COMP</u>	<u>COMP NAME</u>	<u>REQ. INSP</u>	<u>REQ. PROC</u>	<u>COMMENTS</u>
D02.011.024	OFDL-135B-1.4	00	FUNCT	VARIOUS	DLO SYSTEM	VT-2	QAL-15	This is a Unit 1 drawing but is examined as a Unit 2 component.

Duke Power Company  
Quality Assurance Technical Services  
Inservice Inspection Plan For:  
Oconee Unit 2  
Interval 3  
ISI Outage 2  
Refueling Outage EOC 16

## ISI Inspection Listing

Revision 0

Run Date: May 11, 1994

CATEGORY B-A. Pressure Retaining Welds  
in Reactor Vessel

Shell-to-Flange Weld

DUKE POWER COMPANY  
QUALITY ASSURANCE TECHNICAL SERVICES  
Inservice Inspection Database Management System  
Oconee Unit 2

Inservice Inspection Plan for Interval 3 Outage 2

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

Total B01.030 Items: 1

Total Category B-A Items: 1

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

**Pressurizer**

DUKE POWER COMPANY  
QUALITY ASSURANCE TECHNICAL SERVICES  
Inservice Inspection Database Management System  
Oconee Unit 2

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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
<b>**** Nozzle-to-Vessel Welds ****</b>								
B03.110.001	2-PZR-WP15 Circumferential	ISI-OCN2-002 OM-1201-456 B&W149768E	NDE-620 NDE-640	UT	CS	15.250 4.750	40394	Pressurizer Surge Nozzle Pc. 08 to Lower Head Pc. 06. Nozzle to Lower Head
B03.110.006	2-PZR-WP26-4 Circumferential	ISI-OCN2-002 OM-1201-456 B&W149771E	NDE-620 NDE-640	UT	CS	5.750 6.187	40395	Pressurizer Sensing Nozzle Pc. 30 to Shell Pc. 01 Between W & X Axis. Nozzle to Shell
B03.110.007	2-PZR-WP26-5 Circumferential	ISI-OCN2-002 OM-1201-456 B&W149771E	NDE-620 NDE-640	UT	CS	5.750 6.187	40395	Pressurizer Sensing Nozzle Pc.30 to Shell Pc. 01 Between Z & Y Axis. Nozzle to Shell
B03.110.008	2-PZR-WP26-6 Circumferential	ISI-OCN2-002 OM-1201-456 B&W149771E	NDE-620 NDE-640	UT	CS	5.750 6.187	40395	Pressurizer Sensing Nozzle Pc.30 to Shell Pc. 01 Between W & Z Axis. Nozzle to Shell
<b>Total B03.110 Items:</b>		<b>4</b>						

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

**Pressurizer**

DUKE POWER COMPANY  
QUALITY ASSURANCE TECHNICAL SERVICES  
Inservice Inspection Database Management System  
Oconee Unit 2

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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 3.375	40394	Pressurizer Surge Nozzle Pc. 08. (Inside Radius Section).
				Nozzle to Lower Head				
B03.120.006	2-PZR-WP26-4	ISI-OCN2-002 B&W149771E	NDE-680	UT	CS	5.750 2.531	40395	Pressurizer Sensing Nozzle Pc. 30 Between W & X Axis (Inside Radius Section).
				Nozzle to Shell				
B03.120.007	2-PZR-WP26-5	ISI-OCN2-002 B&W149771E	NDE-680	UT	CS	5.750 2.531	40395	Pressurizer Sensing Nozzle Pc. 30 Between Z & Y Axis (Inside Radius Section).
				Nozzle to Shell				
B03.120.008	2-PZR-WP26-6	ISI-OCN2-002 B&W149771E	NDE-680	UT	CS	5.750 2.531	40395	Pressurizer Sensing Nozzle Pc. 30 Between W & Z Axis (Inside Radius Section).
				Nozzle to Shell				
<b>Total B03.120 Items:</b>		<b>4</b>						

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

**Steam Generators (Primary Side)**

DUKE POWER COMPANY  
QUALITY ASSURANCE TECHNICAL SERVICES  
Inservice Inspection Database Management System  
Oconee Unit 2

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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
<b>.... Nozzle-to-Vessel Welds ....</b>								
B03.130.006	2-SGB-WG25 Circumferential	ISI-OCN2-004 OM-1201-450 B&W103213D	NDE-620 NDE-640	UT	CS	48.630 8.000	40393	Steam Generator 2B Inlet Nozzle Pc. 70 to Upper Head Pc. 8.
<b>Total B03.130 Items:</b>		<b>1</b>						

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

**Steam Generators (Primary Side)**

DUKE POWER COMPANY  
QUALITY ASSURANCE TECHNICAL SERVICES  
Inservice Inspection Database Management System  
Oconee Unit 2

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**Inservice Inspection Plan for Interval 3 Outage 2**

ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
**** Nozzle Inside Radius Section ****								
B03.140.006	2-SGB-WG25	ISI-OCN2-004 OM-1201-450 B&W103213D	NDE-680	UT	CS	48.630 8.000	40393	Steam Generator 2B Inlet Nozzle Pc.70. (Inside Radius Section)
			Nozzle to Other					

Total B03.140 Items: 1

Total Category B-D Items: 10



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

DUKE POWER COMPANY  
QUALITY ASSURANCE TECHNICAL SERVICES  
Inservice Inspection Database Management System  
Oconee Unit 2  
Inservice Inspection Plan for Interval 3 Outage 2

Piping

ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
**** NPS 4 or Larger; Dissimilar Metal Butt Welds ****								
B05.130.004	2-PDB1-2 Circumferential	ISI-OCN2-013 OM-1201-966	NDE-610	UT	SS/CS	33.500 2.330	40350	UT from elbow side Elbow (Pc. 53) to Safe-End (Pc. 49)
B05.130.004A	2-PDB1-2 Circumferential	ISI-OCN2-013 OM-1201-966	NDE-610	UT	SS/CS	33.500 2.330	40397	UT from safe-end side Elbow (Pc. 53) to Safe-End (Pc. 49)
B05.130.004B	2-PDB1-2 Circumferential	ISI-OCN2-013 OM-1201-966	NDE-35	PT	SS/CS	33.500 2.330	40350	Elbow (Pc. 53) to Safe-End (Pc. 49)
B05.130.007	2-PHB-17 Circumferential	ISI-OCN2-006 B&W146622E	NDE-610	UT	SS/Inconel	10.750 1.000	TBD	Examine with 2-PSL-10 from nozzle side. Buttering to Nozzle (Surge Nozzle)
B05.130.007A	2-PHB-17 Circumferential	ISI-OCN2-006 B&W146622E	NDE-610	UT	SS/Inconel	10.750 1.000	TBD	Examine with 2-PSL-10 from the pipe side. Buttering to Nozzle (Surge Nozzle)
B05.130.007B	2-PHB-17 Circumferential	ISI-OCN2-006 B&W146622E	NDE-35	PT	SS/Inconel	10.750 1.000		Examine with 2-PSL-10. Buttering to Nozzle (Surge Nozzle)
B05.130.012	2-PSL-10 Circumferential Stress weld	ISI-OCN2-015 B&W146622E	NDE-610	UT	SS/CS	10.750 1.000	TBD	UT from nozzle side Nozzle (Pc. 25) to Pipe (Pressurizer Surge Pc. 85)
B05.130.012A	2-PSL-10 Circumferential	ISI-OCN2-015 B&W146622E	NDE-610	UT	SS/CS	10.750 1.000	TBD	UT from the pipe side Nozzle (Pc. 25) to Pipe (Pressurizer Surge Pc. 85)
B05.130.012B	2-PSL-10 Circumferential	ISI-OCN2-015 B&W146622E	NDE-35	PT	SS/CS	10.750 1.000		Nozzle (Pc. 25) to Pipe (Pressurizer Surge Pc. 85)

Total B05.130 Items: 9

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

DUKE POWER COMPANY  
QUALITY ASSURANCE TECHNICAL SERVICES  
Inservice Inspection Database Management System  
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**Inservice Inspection Plan for Interval 3 Outage 2**

Piping

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

B05.140.006	2-PDB1-11 Circumferential	ISI-OCN2-013 B&W146829E	NDE-35	PT	CS/Inconel	3.500 0.750		Nozzle (Pc. 46) to Safe-End Pc. 47
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Total B05.140 Items: 1

Total Category B-F Items: 10

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

Reactor Vessel

DUKE POWER COMPANY  
QUALITY ASSURANCE TECHNICAL SERVICES  
Inservice Inspection Database Management System  
Oconee Unit 2

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ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/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.
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.
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.
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.
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.
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.
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.
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.
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.
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.

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

DUKE POWER COMPANY  
QUALITY ASSURANCE TECHNICAL SERVICES  
Inservice Inspection Database Management System  
Oconee Unit 2

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Inservice Inspection Plan for Interval 3 Outage 2

Reactor Vessel

ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
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Total B06.010 Items: 10

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

DUKE POWER COMPANY  
QUALITY ASSURANCE TECHNICAL SERVICES  
Inservice Inspection Database Management System  
Oconee Unit 2

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**Inservice Inspection Plan for Interval 3 Outage 2**

Reactor Vessel

ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
**** Closure Studs, when removed ****								
B06.030.027	2-RPV-25-204-27	OM-1201-4 B&W152009E	NDE-942	UT	CS	6.500 0.000	TBD	Reactor Vessel Closure Studs - Removed; Pc. 25. Stud Length = 63.250.
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.
B06.030.028	2-RPV-25-204-28	OM-1201-4 B&W152009E	NDE-942	UT	CS	6.500 0.000	TBD	Reactor Vessel Closure Studs - Removed; Pc. 25. Stud Length = 63.250.
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.
B06.030.029	2-RPV-25-204-29	OM-1201-4 B&W152009E	NDE-942	UT	CS	6.500 0.000	TBD	Reactor Vessel Closure Studs - Removed; Pc. 25. Stud Length = 63.250.
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.
B06.030.030	2-RPV-25-204-30	OM-1201-4 B&W152009E	NDE-942	UT	CS	6.500 0.000	TBD	Reactor Vessel Closure Studs - Removed; Pc. 25. Stud Length = 63.250.
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.
B06.030.031	2-RPV-25-204-31	OM-1201-4 B&W152009E	NDE-942	UT	CS	6.500 0.000	TBD	Reactor Vessel Closure Studs - Removed; Pc. 25. Stud Length = 63.250.
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.

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

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Reactor Vessel

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
B06.030.032	2-RPV-25-204-32	OM-1201-4 B&W152009E	NDE-942	UT	CS	6.500 0.000	TBD	Reactor Vessel Closure Studs - Removed; Pc. 25. Stud Length = 63.250.
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.
B06.030.033	2-RPV-25-204-33	OM-1201-4 B&W152009E	NDE-942	UT	CS	6.500 0.000	TBD	Reactor Vessel Closure Studs - Removed; Pc. 25. Stud Length = 63.250.
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.
B06.030.034	2-RPV-25-204-34	OM-1201-4 B&W152009E	NDE-942	UT	CS	6.500 0.000	TBD	Reactor Vessel Closure Studs - Removed; Pc. 25. Stud Length = 63.250.
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.
B06.030.035	2-RPV-25-204-35	OM-1201-4 B&W152009E	NDE-942	UT	CS	6.500 0.000	TBD	Reactor Vessel Closure Studs - Removed; Pc. 25. Stud Length = 63.250.
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.
B06.030.036	2-RPV-25-204-36	OM-1201-4 B&W152009E	NDE-942	UT	CS	6.500 0.000	TBD	Reactor Vessel Closure Studs - Removed; Pc. 25. Stud Length = 63.250.
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.

Total B06.030 Items: 20

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

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Reactor Vessel

ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
---- Closure Washers, Bushings ----								
B06.050.001A	2-RPV-WASH-BUSH	B&W152009E	QAL-13	VT-1	CS	9.750 0.000		Reactor Vessel Closure Washers and Bushings. Stud Holes 22 Thru 36.

Total B06.050 Items: 1

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

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ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
**** Flange Surface, when connection disassembled ****								
B06.070.001	2-PZR-MW-FLANGE	B&W149762E	QAL-13	VT-1	CS	28.000 0.000		Pressurizer Manway Flange Surface; Includes 1" Annular Surface surrounding each stud. Inspect when connection is disassembled.

Total B06.070 Items: 1



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

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Oconee Unit 2  
Inservice Inspection Plan for interval 3 Outage 2

Pumps

ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
---- Flange Surface, when connection disassembled ----								
B06.190.001	2-RCP-2A1-FLANGE	OM-1201D-0005 OM-1201-1217	QAL-13	VT-1	SS	0.000 0.000		Reactor Coolant Pump 2A1 Main Flange.Including 1" Annular Surface of Flange surrounding each stud.(Inspect only if disassembled.)
B06.190.002	2-RCP-2A2-FLANGE	OM-1201D-0005 OM-1201-1217	QAL-13	VT-1	SS	0.000 0.000		Reactor Coolant Pump 2A1 Main Flange.Including 1" Annular Surface of Flange surrounding each stud.(Inspect only if disassembled.)
B06.190.003	2-RCP-2B1-FLANGE	OM-1201D-0005 OM-1201-1217	QAL-13	VT-1	SS	0.000 0.000		Reactor Coolant Pump 2A1 Main Flange.Including 1" Annular Surface of Flange surrounding each stud.(Inspect only if disassembled.)
B06.190.004	2-RCP-2B2-FLANGE	OM-1201D-0005 OM-1201-1217	QAL-13	VT-1	SS	0.000 0.000		Reactor Coolant Pump 2A1 Main Flange.Including 1" Annular Surface of Flange surrounding each stud.(Inspect only if disassembled.)
Total B06.190 Items:		4						
Total Category B-G-1 Items:		36						

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

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**Inservice Inspection Plan for Interval 3 Outage 2**

Valves

ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DI/THK	CAL BLOCKS	COMMENTS
<b>**** Bolts, Studs, and Nuts ****</b>								
B07.070.010	2-50-RC67-BOLTS	OM-254-207	QAL-13	VT-1	NA	0.000 0.000		Pressurizer Relief Valve RC-67. Valve Bolting.
B07.070.011	2-50-RC68-BOLTS	OM-254-207	QAL-13	VT-1	NA	0.000 0.000		Pressurizer Relief Valve RC-68. Valve Bolting.
B07.070.012	2-51A-HP126-BOLTS	OM-246-015 OFD-101A-2.4	QAL-13	VT-1	NA	0.000 0.000		High Pressure Injection Valve HP-126. Valve Bolting.
B07.070.019	2-51A-HP188-BOLTS	OM-245-017 OFD-101A-2.4	QAL-13	VT-1	NA	0.000 0.000		High Pressure Injection Valve HP-188. Valve Bolting.
<b>Total B07.070 Items:</b>		<b>4</b>						

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

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**CRD Housings**

ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
<b>.... Bolts, Studs, and Nuts ....</b>								
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 & 60 Inspected to date. (Inspect only if disassembled). Reference Request for Relief ONS-004 and ONS-005.
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 & 60) Inspected to date. (Inspect only if disassembled).
<b>Total B07.080 Items:</b>		<b>2</b>						
<b>Total Category B-G-2 Items:</b>		<b>6</b>						

CATEGORY B-J, Pressure Retaining Welds

In Piping

NPS 4 or Larger

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ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
**** Circumferential Welds ****								
B09.011.004	2-53A-8-12	2-53A-8(1)	NDE-600	UT	SS	10.000	40399	
	Circumferential	OFD-102A-2.2					1.000	Pipe to Elbow
B09.011.004A	2-53A-8-12	2-53A-8(1)	NDE-35	PT	SS	10.000	1.000	Pipe to Elbow
	Circumferential	OFD-102A-2.2						
B09.011.016	2-53A-9-5	2-53A-9	NDE-600	UT	SS	10.000	40399	
	Circumferential	OFD-102A-2.3					1.000	Pipe to Elbow
B09.011.016A	2-53A-9-5	2-53A-9	NDE-35	PT	SS	10.000	1.000	Pipe to Elbow
	Circumferential	OFD-102A-2.3						
B09.011.018	2-51A-30-1	2-51A-30	NDE-600	UT	SS	4.000	40406	
	Circumferential	OFD-101A-2.4					0.531	Valve (Valve 2HP-194) to Pipe
B09.011.018A	2-51A-30-1	2-51A-30	NDE-35	PT	SS	4.000	0.531	Valve (Valve 2HP-194) to Pipe
	Circumferential	OFD-101A-2.4						
B09.011.029	2-PIB2-1	ISI-OCN2-01C	NDE-600	UT	CS	33.500	40350	TERMINAL END
	Circumferential	OM-1201-966					2.330	Nozzle (Steam Gen. 2B) to Pipe (Pc. 67)
	Term end							
B09.011.029A	2-PIB2-1	ISI-OCN2-010	NDE-25	MT	CS	33.500		TERMINAL END
	Circumferential	OM-1201-966					2.330	Nozzle (Steam Gen. 2B) to Pipe (Pc. 67)
	Term end							
B09.011.036	2-PSL-1	ISI-OCN2-015	NDE-600	UT	SS	10.000	40399	TERMINAL END
	Circumferential	OFD-100A-2.2					1.000	Nozzle (Pressurizer Surge) to Elbow (Pc. 80)
	Term end / Stress weld							
B09.011.036A	2-PSL-1	ISI-OCN2-015	NDE-35	PT	SS	10.000		TERMINAL END
	Circumferential	OFD-100A-2.2					1.000	Nozzle (Pressurizer Surge) to Elbow (Pc. 80)
	Term end / Stress weld							

**CATEGORY B-J, Pressure Retaining Welds  
In Piping**

**NPS 4 or Larger**

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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
B09.011.044	2-PSL-9	ISI-OCN2-015 OFD-100A-2.2	NDE-600	UT	SS	10.000	40399 1.000	Elbow to Pipe
B09.011.044A	2-PSL-9	ISI-OCN2-015 OFD-100A-2.2	NDE-35	PT	SS	10.000	1.000	Elbow to Pipe

**Total B09.011 Items: 12**

**CATEGORY B-J, Pressure Retaining Welds  
In Piping  
Less Than NPS 4**

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ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
**** Circumferential Welds ****								
B09.021.003	2-51A-144-17 Circumferential	2-51A-144 OFD-101A-2.1	NDE-35	PT	SS	2.500 0.375		Pipe to Reducer
B09.021.005	2-51A-144-24 Circumferential Term end	2-51A-144 OFD-101A-2.1	NDE-35	PT	SS	3.000 0.438		2B Letdown Cooler Inlet Nozzle to elbow weld. TERMINAL END Elbow to Nozzle
B09.021.006	2-51A-145-1 Circumferential Term end	2-51A-145 OFD-101A-2.1	NDE-35	PT	SS	3.000 0.438		2B Letdown Cooler Outlet Nozzle to Elbow weld. TERMINAL END Nozzle to Elbow
B09.021.027	2-51A-30-32 Circumferential	2-51A-30 OFD-101A-2.4	NDE-35	PT	SS	2.500 0.375		Reducer to Pipe
B09.021.032	2-51A-35-24 Circumferential	2-51A-35 (1) OFD-101A-2.1	NDE-35	PT	SS	2.500 0.375		Elbow to Pipe
B09.021.043	2-51A-39-93 Circumferential	2-51A-39 OFD-101A-2.4	NDE-35	PT	SS	2.500 0.375		Pipe to Valve (Valve 2HP-152)
B09.021.045	2-50-129-9 Circumferential	2-50-129 OFD-100A-2.2	NDE-35	PT	SS	1.500 0.281		Elbow to Pipe
B09.021.047	2-50-7-125 Circumferential	2-50-7 (1) OFD-100A-2.1	NDE-35	PT	SS	1.500 0.281		Pipe to Valve (Valve 2RC-29)
<b>Total B09.021 Items:</b>		<b>8</b>						

**CATEGORY B-J. Pressure Retaining Welds  
In Piping**

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**Inservice Inspection Plan for Interval 3 Outage 2**

**Branch Pipe Connection Welds**

ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
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\*\*\*\* NPS 4 or Larger \*\*\*\*

B09.031.001	2-PHB-16	ISI-OCN2-006 B&W149768E	NDE-600	UT	CS	23.000 2.875	40350	Nozzle (Pc.25) to Pipe (Pc. 32)
	Branch Stress weld							

B09.031.001A	2-PHB-16	ISI-OCN2-006 B&W149768E	NDE-25	MT	CS	23.000 2.875		Nozzle (Pc.25) to Pipe (Pc. 32)
	Branch Stress weld							

Total B09.031 Items: 2

Total Category B-J Items: 22

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

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**Inservice Inspection Plan for Interval 3 Outage 2**

**Pumps**

ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
<b>.... Pump Casing Welds ....</b>								
B12.010.001	2-RCP-2A1 Circumferential	ISI-OCN2-007 OM-1201D-0005 OM-1201-0001	NDE-12	RT	SS	68.000 0.000		Reactor Coolant Pump 2A1 Casing Weld. (Inspect only if pump is disassembled for maintenance purposes, repair, ect.) See Request for Relief ONS-008 Volume 1 Section 9.
B12.010.002	2-RCP-2A2 Circumferential	ISI-OCN2-008 OM-1201D-0005 OM-1201-0001	NDE-12	RT	SS	68.000 0.000		Reactor Coolant Pump 2A2 Casing Weld. (Inspect only if pump is disassembled)
B12.010.003	2-RCP-2B1 Circumferential	ISI-OCN2-009 OM-1201D-0005 OM-1201-0001	NDE-12	RT	SS	68.000 0.000		Reactor Coolant Pump 2B1 Casing Weld. (Inspect only if pump is disassembled)
B12.010.004	2-RCP-2B2 Circumferential	ISI-OCN2-010 OM-1201D-0005 OM-1201-0001	NDE-12	RT	SS	68.000 0.000		Reactor Coolant Pump 2B2 Casing Weld. (Inspect only if pump is disassembled)
<b>Total B12.010 Items:</b>		<b>4</b>						



CATEGORY B-L-2, Pump Casings

DUKE POWER COMPANY  
 QUALITY ASSURANCE TECHNICAL SERVICES  
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Pumps

Inservice Inspection Plan for Interval 3 Outage 2

ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIATHK	CAL BLOCKS	COMMENTS
*** Pump Casing ***								
B12.020.001	2-RCP-2A1-CASING	ISI-OCN2-007 OM-1201D-0005 OM-1201-0001	QAL-14	VT-3	SS	68.000 0.000		Reactor Coolant Pump 2A1 Casing Internal Surfaces. (Inspect only if pump is disassembled for maintenance purposes, repair,ect.)
B12.020.002	2-RCP-2A2-CASING	ISI-OCN2-008 OM-1201D-0005 OM-1201-0001	QAL-14	VT-3	SS	68.000 0.000		Reactor Coolant Pump 2A2 Casing Internal Surfaces. (Inspect only if pump is disassembled for maintenance purposes, repair,ect.)
B12.020.003	2-RCP-2B1-CASING	ISI-OCN2-009 OM-1201D-0005 OM-1201-0001	QAL-14	VT-3	SS	68.000 0.000		Reactor Coolant Pump 2B1 Casing Internal Surfaces. (Inspect only if pump is disassembled for maintenance purposes, repair,ect.)
B12.020.004	2-RCP-2B2-CASING	ISI-OCN2-010 OM-1201D-0005 OM-1201-0001	QAL-14	VT-3	SS	68.000 0.000		Reactor Coolant Pump 2B2 Casing Internal Surfaces. (Inspect only if pump is disassembled for maintenance purposes, repair,ect.)
Total B12.020 Items:		4						

**CATEGORY B-M-2, Valve Bodies**

DUKE POWER COMPANY  
 QUALITY ASSURANCE TECHNICAL SERVICES  
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**Valves**

ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
---- Valve Body, Exceeding NPS 4 ----								
B12.050.001	2-53A-CF11	OM-245-001 OFD-102A-2.3	QAL-14	VT-3	SS	14.250 0.000		A-Side Core Flood (W-Axis) Valve Body - Valve CF-11. (Inspect only if valve is disassembled for maintenance purposes, valve repair, etc.)
B12.050.002	2-53A-CF12	OM-245-001 OFD-102A-2.3	QAL-14	VT-3	SS	14.250 0.000		A-Side Core Flood (W-Axis) Valve Body - Valve CF-12. (Inspect only if valve is disassembled for maintenance purposes, valve repair, etc.)
B12.050.003	2-53A-CF13	OM-245-001 OFD-102A-2.3	QAL-14	VT-3	SS	14.250 0.000		B-Side Core Flood (Y-Axis) Valve Body - Valve CF-13. (Inspect only if valve is disassembled for maintenance purposes, valve repair, etc.)
B12.050.004	2-53A-CF14	OM-245-001 OFD-102A-2.3	QAL-14	VT-3	SS	14.250 0.000		B-Side Core Flood (Y-Axis) Valve Body - Valve CF-14. (Inspect only if valve is disassembled for maintenance purposes, valve repair, etc.)
B12.050.005	2-53A-LP47	OM-245-001 OFD-102A-2.2	QAL-14	VT-3	SS	14.250 0.000		B-Side LPI Valve Body- Valve LP-47. (Inspect only if valve is disassembled for maintenance purposes, valve repair, etc.)
B12.050.006	2-53A-LP48	OM-245-001 OFD-102A-2.2	QAL-14	VT-3	SS	10.937 0.000		B-Side LPI Valve Body- Valve LP-48. (Inspect only if valve is disassembled for maintenance purposes, valve repair, etc.)
B12.050.007	2-53A-LP1	OM-201-165 OFD-102A-2.1	QAL-14	VT-3	SS	12.968 0.000		Decay Heat Suction Valve LP-1. (Inspect only if valve is disassembled for maintenance purposes, valve repair, etc.)
B12.050.008	2-53A-LP2	OM-201-165 OFD-102A-2.1	QAL-14	VT-3	SS	12.968 0.000		Decay Heat Valve LP-2. (Inspect only if valve is disassembled for maintenance purposes, valve repair, etc.)
<b>Total B12.050 Items:</b>		<b>8</b>						
<b>Total Category B-M-2 Items:</b>		<b>16</b>						

CATEGORY B-N-1, Interior of Reactor

Vessel

Reactor Vessel

DUKE POWER COMPANY  
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ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
**** Vessel Interior ****								
B13.010.001	2-RPV-INT-SURFACE	B&W152008E ISI-OCN2-001	QAL-14	VT-3	SS	0.000 0.000		Reactor Vessel Internal Surfaces

Total B13.010 Items: 1

Total Category B-N-1 Items: 1

CATEGORY B-Q, Steam Generator Tubing

DUKE POWER COMPANY  
QUALITY ASSURANCE TECHNICAL SERVICES  
Inservice Inspection Database Management System  
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Steam Generator Tubing In Straight Tube Design

ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
**** Steam Generator Tubing In Straight Tube Design ****								
B16.011.001	2-SGA-TUBES			ET	NA	0.000	0.000	Information on S/G Tube examinations can be acquired from the Diversified Services Group of the Generation Services Department, Duke Power Company.
B16.011.002	2-SGB-TUBES			ET	NA	0.000	0.000	Information on S/G Tube examinations can be acquired from the Diversified Services Group of the Generation Services Department, Duke Power Company.

Total B16.011 Items: 2

Total Category B-Q Items: 2

**CATEGORY C-A, Pressure Retaining Welds  
In Pressure Vessels**

DUKE POWER COMPANY  
QUALITY ASSURANCE TECHNICAL SERVICES  
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**Shell Circumferential Welds**

ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
C01.010.005	2-BWST-STS-1 Circumferential	OM-1201-80 OFD-102A-2.1	NDE-630	UT	SS	0.000 0.352	TBD	Borated Water Storage Tank
C01.010.006	2-BWST-STS-2 Circumferential	OM-1201-80 OFD-102A-2.1	NDE-630	UT	SS	0.000 0.405	TBD	Borated Water Storage Tank
C01.010.007	2-BWST-STS-3 Circumferential	OM-1201-80 OFD-102A-2.1	NDE-630	UT	SS	0.000 0.459	TBD	Borated Water Storage Tank
<b>Total C01.010 Items:</b>		<b>3</b>						
<b>Total Category C-A Items:</b>		<b>3</b>						

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

DUKE POWER COMPANY  
QUALITY ASSURANCE TECHNICAL SERVICES  
Inservice Inspection Database Management System  
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**Inservice Inspection Plan for Interval 3 Outage 2**

**Piping**

ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
<b>.... Integrally Welded Attachments ....</b>								
C03.020.006	2-01A-H1A Constant support	0-1481A OFD-122A-2.1	NDE-25	MT	CS	26.000 1.500		FILE NO. OSC-440 PROBLEM NO. 2-01-01 PAGE 40 MAIN STEAM PIPING
C03.020.011	2-01A-H7A Constant support	0-1481A OFD-122A-2.1	NDE-25	MT	CS	26.000 1.000		FILE NO. OSC-440 PROBLEM NO. 2-01-01 PAGE 40 MAIN STEAM PIPING
C03.020.013	2-01A-H9A Constant support	0-1481A OFD-122A-2.1	NDE-25	MT	CS	26.000 1.000		FILE NO. OSC-440 PROBLEM NO. 2-01-01 PAGE 40 MAIN STEAM PIPING
C03.020.026	2-14B-H19D Rigid restraint	0-1479A OFD-124B-2.2	NDE-25	MT	CS	8.000 1.500		FILE NO. OSC-1325 PROBLEM NO. 2-14-16 VOL.6OF12 LP SERVICE WATER
C03.020.027	2-14B-H20A Rigid restraint	0-1479A OFD-124B-2.2	NDE-25	MT	CS	8.000 1.500		FILE NO. OSC-1325 PROBLEM NO. 2-14-16 VOL.5OF12 LP SERVICE WATER
C03.020.028	2-14B-H20D Rigid restraint	0-1479A OFD-124B-2.2	NDE-25	MT	CS	8.000 1.500		FILE NO. OSC-1325 PROBLEM NO. 2-14-16 VOL.6OF12 LP SERVICE WATER
C03.020.029	2-14B-H22 Rigid restraint	0-1480A OFD-124B-2.2	NDE-25	MT	CS	8.000 1.500		FILE NO. OSC-1325 PROBLEM NO. 2-14-16 VOL.6OF12 LP SERVICE WATER
C03.020.030	2-14B-H22A Rigid restraint	0-1480A OFD-124B-2.2	NDE-25	MT	CS	8.000 1.500		FILE NO. OSC-1325 PROBLEM NO. 2-14-16 VOL.5OF12 LP SERVICE WATER
C03.020.048	2-53B-H6 Rigid restraint	5-0-1444 OFD-102A-2.2	NDE-35	PT	SS	10.000 1.000		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".
C03.020.055	2-54A-R2B Hyd snubber	3-0-435B OFD-103A-2.1	NDE-35	PT	SS	8.000 1.000		FILE NO. OS-495, PROBLEM NO. 2-54-02, SHT 1 OF 1. REACTOR BUILDING SPRAY LINE "2B".

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

DUKE POWER COMPANY  
QUALITY ASSURANCE TECHNICAL SERVICES  
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**Inservice Inspection Plan for interval 3 Outage 2**

Piping

ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
C03.020.059	2-SGA-WG87-XW Rigid restraint	OM-201-1054 OFD-121B-2.3	NDE-25	MT	CS	0.000 1.000		SGA FDW. HDR. S/R ATTACH. X-W QUAD. NEAR X-AXIS
C03.020.062	2-SGA-WG87-YZ Rigid restraint	OM-201-1054 OFD-121B-2.3	NDE-25	MT	CS	0.000 1.000		SGA FDW. HDR. S/R ATTACH. Y-Z QUAD. NEAR Y-AXIS
C03.020.064	2-SGA-WG87-ZY Rigid restraint	OM-201-1054 OFD-121B-2.3	NDE-25	MT	CS	0.000 1.000		SGA FDW. HDR. S/R ATTACH. Z-Y QUAD. NEAR Z-AXIS
<b>Total C03.020 Items:</b>		<b>13</b>						
<b>Total Category C-C Items:</b>		<b>13</b>						

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

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

DUKE POWER COMPANY  
QUALITY ASSURANCE TECHNICAL SERVICES  
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ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
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---- Circumferential Weld ----

C05.011.004	2-53A-8-19 Circumferential	2-53A-8(1) OFD-102A-2.2	NDE-600	UT	SS	10.000	40354 1.125	Pipe to Valve (2LP-18)
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C05.011.004A	2-53A-8-19 Circumferential	2-53A-8(1) OFD-102A-2.2	NDE-35	PT	SS	10.000	1.125	Pipe to Valve (2LP-18)
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C05.011.006	2-53A-9-36 Circumferential	2-53A-9 OFD-102A-2.3	NDE-600	UT	SS	10.000	40354 1.125	Pipe to Elbow
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C05.011.006A	2-53A-9-36 Circumferential	2-53A-9 OFD-102A-2.3	NDE-35	PT	SS	10.000	1.125	Pipe to Elbow
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C05.011.007	2-53A-9-37 Circumferential	2-53A-9 OFD-102A-2.3	NDE-600	UT	SS	10.000	40354 1.125	Pipe to Elbow
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C05.011.007A	2-53A-9-37 Circumferential	2-53A-9 OFD-102A-2.3	NDE-35	PT	SS	10.000	1.125	Pipe to Elbow
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C05.011.008	2-53A-9-38 Circumferential	2-53A-9 OFD-102A-2.3	NDE-600	UT	SS	10.000	40354 1.125	Pipe to Elbow
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C05.011.008A	2-53A-9-38 Circumferential	2-53A-9 OFD-102A-2.3	NDE-35	PT	SS	10.000	1.125	Pipe to Elbow
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**Total C05.011 Items: 8**



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

DUKE POWER COMPANY  
QUALITY ASSURANCE TECHNICAL SERVICES  
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**Inservice Inspection Plan for Interval 3 Outage 2**

Piping Welds > 1/5 In. Nom Wall For Piping ≥  
NPS 2 And ≤ NPS 4

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-600	UT	SS	4.000	40406	Reactor Coolant Pump seal Supply Filter 2B Pc. 10 to Pc. 1.TERMINAL END
	Circumferential	OM-201-0473				0.531		Filter Hub to Filter Housing
	Term end	OFD-101A-2.4						
C05.021.003A	2-RCP-FTR2B-SH-1		NDE-35	PT	SS	4.000		TERMINAL END
	Circumferential	OM-201-0473				0.531		Filter Hub to Filter Housing
	Term end	OFD-101A-2.4						
C05.021.004	2-RCP-FTR2B-SH-2		NDE-600	UT	SS	4.000	40406	Reactor Coolant Pump seal Supply Filter 2B Pc. 10 to Pc. 1.TERMINAL END
	Circumferential	OM-201-0473				0.531		Filter Hub to Filter Housing
	Term end	OFD-101A-2.4						
C05.021.004A	2-RCP-FTR2B-SH-2		NDE-35	PT	SS	4.000		TERMINAL END
	Circumferential	OM-201-0473				0.531		Filter Hub to Filter Housing
	Term end	OFD-101A-2.4						
C05.021.005	2-51A-129-5	2-51A-129	NDE-600	UT	SS	4.000	40406	
	Circumferential	OFD-101A-2.4				0.531		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		Pipe to Tee
C05.021.030	2-51A-17-147	2-51A-17 (7)	NDE-600	UT	SS	4.000	40406	
	Circumferential	OFD-101A-2.3				0.531		Valve (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		Valve (Valve 2HP-148) to Elbow
C05.021.031	2-51A-17-158	2-51A-17 (7)	NDE-600	UT	SS	4.000	40406	
	Circumferential	OFD-101A-2.3				0.531		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		Eibow 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

**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
C05.021.032	2-51A-27-25 Circumferential	2-51A-27 (1) OFD-101A-2.4	NDE-600	UT	SS	4.000	40406 0.531	Elbow to Pipe
C05.021.032A	2-51A-27-25 Circumferential	2-51A-27 (1) OFD-101A-2.4	NDE-35	PT	SS	4.000	0.531	Elbow to Pipe
C05.021.033	2-51A-27-41AA Circumferential	2-51A-27 (1) OFD-101A-2.4	NDE-600	UT	SS	4.000	40406 0.674	Valve (Valve 2HP-227) to Tee
C05.021.033A	2-51A-27-41AA Circumferential	2-51A-27 (1) OFD-101A-2.4	NDE-35	PT	SS	4.000	0.674	Valve (Valve 2HP-227) to Tee
C05.021.034	2-51A-27-41C Circumferential	2-51A-27 (1) OFD-101A-2.4	NDE-600	UT	SS	4.000	40406 0.674	Tee to Pipe
C05.021.034A	2-51A-27-41C Circumferential	2-51A-27 (1) OFD-101A-2.4	NDE-35	PT	SS	4.000	0.674	Tee to Pipe
C05.021.035	2-51A-27-54 Circumferential	2-51A-27 (3) OFD-101A 2.4	NDE-600	UT	SS	4.000	40406 0.674	Pipe to Valve (Valve 2HP-188)
C05.021.035A	2-51A-27-54 Circumferential	2-51A-27 (3) OFD-101A-2.4	NDE-35	PT	SS	4.000	0.674	Pipe to Valve (Valve 2HP-188)

**Total C05.021 Items: 18**

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

**Piping Welds ≥ 3/8 In. Nominal Wall Thickness for  
Piping > NPS 4**

DUKE POWER COMPANY  
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ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL	BLOCKS	COMMENTS
**** Circumferential Weld ****									
C05.051.001	2-01A-4-17	2-01A-4 (1) OFD-122A-2.1	NDE-12	RT	CS	36.000			
	Circumferential					1.164			Reducing Y Fitting to Elbow
C05.051.001A	2-01A-4-17	2-01A-4 (1) OFD-122A-2.1	NDE-25	MT	CS	36.000			
	Circumferential					1.164			Reducing Y Fitting to Elbow
C05.051.009	2-01A-5-35	2-01A-5(4) OFD-122A-2.1	NDE-12	RT	CS	24.000			S/G 2B Main Steam Nozzle to Reducer weld. TERMINAL
	Circumferential Term end					0.969			END Nozzle (S/G 2B) to Reducer
C05.051.009A	2-01A-5-35	2-01A-5(4) OFD-122A-2.1	NDE-25	MT	CS	24.000			S/G 2B Main Steam Nozzle to Reducer weld. TERMINAL
	Circumferential Term end					0.969			END Nozzle (S/G 2B) to Reducer
C05.051.010	2-01A-5-36	2-01A-5(4) OFD-122A-2.1	NDE-12	RT	CS	24.000			S/G 2B Main Steam Nozzle to Reducer weld. TERMINAL
	Circumferential Term end					0.969			END Nozzle (S/G 2B) to Reducer
C05.051.010A	2-01A-5-36	2-01A-5(4) OFD-122A-2.1	NDE-25	MT	CS	24.000			S/G 2B Main Steam Nozzle to Reducer weld. TERMINAL
	Circumferential Term end					0.969			END Nozzle (S/G 2B) to Reducer
C05.051.015	2-03A-10-61	2-03A-10 OFD-121D-2.1	NDE-12	RT	CS	6.000			
	Circumferential					0.562			Tee to Pipe
C05.051.015A	2-03A-10-61	2-03A-10 OFD-121D-2.1	NDE-25	MT	CS	6.000			
	Circumferential					0.562			Tee to Pipe
C05.051.020	2-03-18-3	2-03-18 (1) OFD-121B-2.3	NDE-12	RT	CS	14.000			
	Circumferential					0.750			Elbow to Reducer
C05.051.020A	2-03-18-3	2-03-18 (1) OFD-121B-2.3	NDE-25	MT	CS	14.000			
	Circumferential					0.750			Elbow to Reducer

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

**Piping Welds  $\geq$  3/8 in. Nominal Wall Thickness for  
Piping  $\geq$  NPS 4**

DUKE POWER COMPANY  
QUALITY ASSURANCE TECHNICAL SERVICES  
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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
C05.051.021	2-03-18-35 Circumferential	2-03-18 (2) OFD-121B-2.3	NDE-12	RT	CS	14.000 0.750		Pipe to Tee
C05.051.021A	2-03-18-35 Circumferential	2-03-18 (2) OFD-121B-2.3	NDE-25	MT	CS	14.000 0.750		Pipe to Tee
C05.051.023	2-03-20-WG91-D Circumferential	2-03-20 OFD-121B-2.3 OM-1201-451	NDE-12	RT	CS	14.000 0.750		Pipe to Pipe Cap
C05.051.023A	2-03-20-WG91-D Circumferential	2-03-20 OFD-121B-2.3 OM-1201-451	NDE-25	MT	CS	14.000 0.750		Pipe to Pipe Cap

**Total C05.051 Items: 14**

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

**Pipe Branch Connections of Branch Piping ≥ NPS**

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ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
**** Circumferential Weld ****								
C05.081.002	2-MS12A-A Branch	2-01A-5(1)/2MS-12A OFD-122A-2.1	NDE-25	MT	CS	8.000 0.906		For inspection in Outage 1; See Request for Relief ONS-010. Main Steam Header to Pipe
C05.081.003	2-MS15B-A Branch	2-01A-5(3)/2MS-15B OFD-122A-2.1	NDE-25	MT	CS	8.000 0.906		For inspection in Outage 5; See Request for Relief ONS-010. Main Steam Header to Pipe
C05.081.004	2-FWD63-B Branch	2-03-18 (2) OFD-121B-2.3 2FWD-63	NDE-25	MT	CS	20.000 1.031		Pipe to Pipe
Total C05.081 Items:		3						
Total Category C-F-2 Items:		43						

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

**Integral Attachment**

DUKE POWER COMPANY  
QUALITY ASSURANCE TECHNICAL SERVICES  
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ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
**** Component Supports and Restraints ****								
D02.020.003	2-01A-DE042 Rigid restraint	0-1403D OFD-122A-2.4	QAL-14	VT-3	NA	6.000 0.500		FILE NO. OSC-445, PROBLEM NO. 2-01-6, SHT 2 OF 4.
D02.020.018	2-03A-GC-1421 Rigid restraint	0-1401A OFD-121D-2.1	QAL-14	VT-3	NA	6.000 0.375		File Number = OSC-447, Page No. 111; Problem Number = 2-03A-05, EFW to Main Feedwater Line
D02.020.019	2-03A-H10 Rigid restraint	1-0-1437A OFD-121D-2.1	QAL-14	VT-3	NA	6.000 0.125		File Number = OSC-449; Problem Number = 2-03A-08, Sht 3 of 6; Emergency Feedwater Bypass Line
D02.020.020	2-03A-H10 Rigid restraint	1-0-1439B OFD-121D-2.1	QAL-14	VT-3	NA	6.000 1.000		File Number = OSC-459; Problem Number = 2-03A-06, Sht 3 of 4; Emergency Feedwater Sys; Thickness = 1.00 & .375
D02.020.023	2-03A-H11 Rigid restraint	1-0-1439B OFD-121D-2.1	QAL-14	VT-3	NA	6.000 0.375		File Number = OSC-459; Problem Number = 2-03A-06, Sht 3 of 4; Emergency Feedwater Sys
D02.020.032	2-03A-H23 Rigid restraint	1-0-1400A OFD-121D-2.1	QAL-14	VT-3	NA	6.000 0.500		File Number = OSC-449; Problem Number = 2-03A-08, Sht. 5 of 6; Emergency Feedwater Bypass Line
D02.020.039	2-03A-H33A Rigid restraint	1-0-1400A OFD-121D-2.1	QAL-14	VT-3	NA	6.000 0.500		File Number = OSC-451, Page No. 85; Problem Number = 2-03A-10; Sys 03A
D02.020.040	2-03A-H37 Rigid restraint	1-0-1400B OFD-121D-2.1	QAL-14	VT-3	NA	6.000 0.500		File Number = OSC-1213; Problem Number = 2-03A-12, Sht. 1 of 2; Aux Feedwater Discharge Sys. Thickness = .500 & .125
D02.020.050	2-03A-H9 Rigid restraint	1-0-1439C OFD-121D-2.1	QAL-14	VT-3	NA	6.000 0.312		File Number = OSC-459; Problem Number = 2-03A-06, Sht 3 of 4; Emergency Feedwater Bypass Line
D02.020.052	2-03A-JEJ-0701 Rigid restraint	0-437B OFD-121D-2.1	QAL-14	VT-3	NA	6.000 1.000		File Number = OSC-450, Page No. 105; Problem Number = 2-03A-09; EFW Crossover

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

**Integral Attachment**

DUKE POWER COMPANY  
QUALITY ASSURANCE TECHNICAL SERVICES  
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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
D02.020.057	2-03A-RL-0800 Rigid restraint	0-1437A OFD-121D-2.1	QAL-14	VT-3	NA	6.000 0.500		File Number = OSC-449; Problem Number = 2-03A-08, Sht 3 of 6; Emergency Feedwater Bypass Line
D02.020.066	2-03A-SR19 Rigid restraint	1-0-1401A OFD-121D-2.1	QAL-14	VT-3	NA	6.000 1.000		File Number = OSC-457; Problem Number = 2-03A-04 Sht. 1 of 4; Emergency Feedwater Bypass Line.
D02.020.067	2-03A-SR2 Rigid restraint	1-0-437B OFD-121D-2.1	QAL-14	VT-3	NA	6.000 0.500		File Number = OSC-450, Page No. 105; Problem Number = 2-03A-09; EFW Crossover
D02.020.068	2-03A-SR20 Rigid restraint	1-0-400B OFD-121D-2.1	QAL-14	VT-3	NA	6.000 0.750		File Number = OSC-450; Problem Number = 2-03A-09 PAGE NO. 107 EFW CROSSOVER
D02.020.078	2-03A-SR29 Rigid restraint	1-0-1400A OFD-121D-2.1	QAL-14	VT-3	NA	6.000 0.500		File Number = OSC-451, Page No. 85; Problem Number = 2-03A-10;SYS. 03A
D02.020.083	2-03A-SR32 Rigid restraint	1-0-1400A OFD-121D-2.1	QAL-14	VT-3	NA	6.000 0.500		File Number = OSC-451, Page No. 84A; Problem Number = 2-03A-10; Sys 03A
D02.020.084	2-03A-SR33 Rigid restraint	1-0-1400A OFD-121D-2.1	QAL-14	VT-3	NA	6.000 0.500		File Number = OSC-451, Page No. 84A; Problem Number = 2-03A-10; Sys 03A
D02.020.085	2-03A-SR34 Rigid restraint	1-0-1400A OFD-121D-2.1	QAL-14	VT-3	NA	6.000 1.000		File Number = OSC-1213; Problem Number = 2-03A-12, Sht. 1 of 2; Aux Feedwater Discharge Sys.
D02.020.093	2-03A-SR41 Rigid restraint	1-0-1401B OFD-121D-2.1	QAL-14	VT-3	NA	6.000 0.500		File Number = OSC-449; Problem Number = 2-03A-08, Sht. 4 of 6; Emergency Feedwater Bypass Line
D02.020.103	2-07A-DE055 Rigid restraint	0-1400A OFD-121A-2.8	QAL-14	VT-3	NA	8.000 1.500		FILE NO. OSC-466, PROBLEM NO. 2-07-02, SHTS. 1 OF 3, & 3 OF 3. SYSTEM 07A.

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

Integral Attachment

DUKE POWER COMPANY  
QUALITY ASSURANCE TECHNICAL SERVICES  
Inservice Inspection Database Management System  
Oconee Unit 2

Inservice Inspection Plan for Interval 3 Outage 2

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ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
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
								SHT.10F5 AUX.SWP DISCHARGE

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Total D02.020 Items: 21

Total Category D-B Items: 21



**CATEGORY F-A, Supports (Category A)**

DUKE POWER COMPANY  
 QUALITY ASSURANCE TECHNICAL SERVICES  
 Inservice Inspection Database Management System  
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**Inservice Inspection Plan for Interval 3 Outage 2**

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

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

**CATEGORY F-A, Supports (Category A)**

DUKE POWER COMPANY  
 QUALITY ASSURANCE TECHNICAL SERVICES  
 Inservice Inspection Database Management System  
 Oconee Unit 2  
 Inservice Inspection Plan for Interval 3 Outage 2

**Class 2 Weld Connections to Building Structure**

ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
F01.020.005	2-03-H1B Rigid restraint	0-1479A OFD-121B-2.3	QAL-14	VT-3	NA	14.000 0.280		MAIN FEEDWATER EAST GEN. 2A, DWG NO. O-1490B-2.  SWAY STRUT to Other
F01.020.008	2-14B-H18C Rigid restraint	0-1479A OFD-124B-2.2	QAL-14	VT-3	NA	8.000 0.000		FILE NO. OSC-1325 PROBLEM NO. 2-14-13 VOL.3 OF 12 LP SERVICE WATER
F01.020.018	2-51A-H187 Rigid restraint	0-1444 OFD-101A-2.4	QAL-14	VT-3	NA	4.000 0.000		FILE NO. OSC-1023 PAGE 48.1 PROBLEM NO.2-51-18 HPI SYSTEM CROSSOVER LINE
F01.020.020	2-51A-SR58 Rigid restraint	6-0-435B OFD-101A-2.3	QAL-14	VT-3	NA	6.000 0.000		File Number = OSC-481,Page 143; Problem Number = 51-2
F01.020.023	2-53B-DE019 Rigid restraint	0-435B OFD-102A-2.2	QAL-14	VT-3	NA	10.000 0.000		FILE NO. OS-487, PROBLEM NO. 2-53-01, SHT 3 OF 5. L. P. INJECTION & DECAY HEAT REMOVAL SYSTEM 53B.
F01.020.031	2-53B-H60 Rigid restraint	0-439A OFD-102A-2.2	QAL-14	VT-3	NA	10.000 0.000		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".
F01.020.036	2-54A-H15 Rigid restraint	3-0-1439B OFD-103A-2.1	QAL-14	VT-3	NA	8.000 0.125		FILE NO. OS-496, PROBLEM NO. 2-54-03 SHT 1 OF 2 SYSTEM 54A.
<b>Total F01.020 Items:</b>		<b>7</b>						
F01.021.004	2-14B-H1 Rigid restraint	0-1479A OFD-124B-2.2	QAL-14	VT-3	NA	6.000 0.216		FILE NO. OSC-1325 PROBLEM NO. 2-14-14 vol.4of12 LP SWATER
F01.021.010	2-14B-H2 Rigid restraint	0-1479A OFD-124B-2.2	QAL-14	VT-3	NA	8.000 0.216		FILE NO. OSC-1325 PROBLEM NO. 2-14-13 VOL.3 OF 12 LP SERVICE WATER

**CATEGORY F-A, Supports (Category B)**

DUKE POWER COMPANY  
 QUALITY ASSURANCE TECHNICAL SERVICES  
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**Class 2 Weld Connections to Building Structure**

**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
F01.021.015	2-51A-H19C Rigid restraint	0-1479A OFD-101A-2.1	QAL-14	VT-3	NA	2.500 0.000		File Number = OSC-1322; Problem Number = 2-51-25; Drawing No. = 0-1492B-4(s) & Drawing No. = 0-1492B-4A(s); SYSTEM 51A
F01.021.027	2-56-DE001 Rigid restraint	1439E OFD-104A-1.1	QAL-15	VT-3	NA	8.000 0.000		Calclaton No. OS-421 Page 97; Problem No. 4-55-02 Spent Fuel Cooling System 56
<b>Total F01.021 Items:</b>		<b>4</b>						
F01.022.003	2-01A-H24 Spring hanger	0-1401B OFD-122A-2.1	QAL-14	VT-3	NA	36.000 0.000		FILE NO. OSC-440 PROBLEM NO. 2-01-01 PAGE 40 MAIN STEAM PIPING
F01.022.012	2-53A-H19 Spring hanger	4-0-435B OFD-102A-2.2	QAL-14	VT-3	NA	12.000 0.000		FILE NO. OS-487, PROBLEM NO. 2-53-01, SHT 1 OF 5. L. P. INJECTION & DECAY HEAT REMOVAL SYSTEM 53B.
F01.022.018	2-53B-H71 Spring hanger	5-0-435B OFD-102A-2.2	QAL-14	VT-3	NA	10.000 0.000		FILE NO. OS-487, PROBLEM NO. 2-53-01, SHT 3 OF 5. L. P. INJECTION & DECAY HEAT REMOVAL SYSTEM 53B.
<b>Total F01.022 Items:</b>		<b>3</b>						

**CATEGORY F-A, Supports (Category A)**

DUKE POWER COMPANY  
 QUALITY ASSURANCE TECHNICAL SERVICES  
 Inservice Inspection Database Management System  
 Oconee Unit 2

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Inservice Inspection Plan for Interval 3 Outage 2

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

ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
F01.030.001	0-13-H7024 Rigid restraint	0-447A OFD-133A-2.5	QAL-14	VT-3	NA	12.000 0.000		FILE NO. OSC-1224-25 PROBLEM NO. 4-13-03 SHT.1OF1 SUCTION FOR AUX.&DIESEL ENGINE SWP
F01.030.009	2-03A-GC-0804 Rigid restraint	0-1401A OFD-121D-2.1	QAL-14	VT-3	NA	6.000 0.000		File Number = OSC-457; Problem Number = 2-03A-04 Sht. 1 of 4; Emergency Feedwater Bypass Line
F01.030.014	2-03A-H23 Rigid restraint	1-0-1439A OFD-121D-2.1	QAL-14	VT-3	NA	6.000 0.000		File Number = OSC-447, Page No. 107; Problem Number = 2-03A-05;
F01.030.019	2-03A-JG-1101 Rigid restraint	0-1401A OFD-121D-2.1	QAL-14	VT-3	NA	6.000 0.000		File Number = OSC-457; Problem Number = 2-03A-04 Sht. 1 of 4; Emergency Feedwater Bypass Line.
F01.030.031	2-14B-DE154 Rigid restraint	0-1439B OFD-124B-2.2	QAL-14	VT-3	NA	8.000 0.187		FILE NO. OSC-475 PROBLEM NO. 2-14-6 SHT.2OF3 LPSWATER
F01.030.037	2-57-NWIX Rigid restraint	0-1480A OFD-107A-2.1	QAL-14	VT-3	NA	12.000 0.000		FILE NO. OSC-1332-06, PROBLEM NO. 2-57-01, PG 14.1.
				SWAY STRUT to Other				
<b>Total F01.030 Items:</b>		<b>6</b>						
F01.031.005	2-03-H52 Rigid restraint	0-1439B OFD-121B-2.3	QAL-14	VT-3	NA	24.000 0.000		FILE NO. OS-454, PROBLEM NO. 2-03-01, PG 44.
				SWAY STRUT to Other				
F01.031.010	2-03A-SR2 Rigid restraint	1-0-1401A OFD-121D-2.1	QAL-14	VT-3	NA	6.000 0.000		File Number = OSC-447, Page No. 111; Problem Number = 2-03A-05; EFW to Main Feedwater Line
F01.031.018	2-14B-DE107 Rigid restraint	0-438C OFD-121D-1.2	QAL-14	VT-3	NA	6.000 0.000		FILE NO. OSC-394, PROBLEM NO. 4-14-3, SHT 8 OF 9. AUX. SERVICE WATER PIPE.

CATEGORY F-A, Supports (Category B)

DUKE POWER COMPANY  
QUALITY ASSURANCE TECHNICAL SERVICES  
Inservice Inspection Database Management System  
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Class 3 Weld/Mech Conns at Inter Joints In  
Multiconn Int & NonInt Supp

ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
<u>Total F01.031 Items:</u>		<u>3</u>						
F01.032.004	2-03A-H45 Spring hanger	1-0-1401B OFD-121D-2.1	QAL-14	VT-3	NA	6.000 0.000		File Number = OSC-449; Problem Number = 2-03A-08, Sht. 4 of 6; Emergency Feedwater Bypass Line
<u>Total F01.032 Items:</u>		<u>1</u>						

**CATEGORY F-A, Supports**

DUKE POWER COMPANY  
 QUALITY ASSURANCE TECHNICAL SERVICES  
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Clearances of Guides & Stops, Align of Supps,  
 Assembly of Supp Items

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
F01.040.010	2-EFDW-PT	OM-200B-0006 OFD-121D-2.1	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

Total F01.040 Items: 2

Total Category F-A Items: 29



CATEGORY AUG, Augmented Inspections

DUKE POWER COMPANY  
 QUALITY ASSURANCE TECHNICAL SERVICES  
 Inservice Inspection Database Management System  
 Oconee Unit 2

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Inservice Inspection Plan for Interval 3 Outage 2

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

ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS	
G07.001.001	2-53B-17-101L Longitudinal	2-53B-17 (4) OFD-102A-2.1	NDE-35	PT	SS	8.000 0.250		Non-Legitimate Weld in Inspect. Category C-F-1. Long seam Weld for 2-53B-17.4-101L. Ref. Sect. 7 Para. 7.1.7 of ISI Plan, Vol. 1.	
Total G07.001 Items:				1					
Total Category AUG Items:				1					

Tee to Tee



**CATEGORY AUG, Augmented Inspections**

DUKE POWER COMPANY  
 QUALITY ASSURANCE TECHNICAL SERVICES  
 Inservice Inspection Database Management System  
 Oconee Unit 2

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**Inservice Inspection Plan for interval 3 Outage 2**

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

ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
G09.001.004	2-51A-17-25 Circumferential	2-51A-17 (1) OFD-101A-2.3	NDE-35	PT	SS	6.000 0.280		Non-Legitimate Weld in Inspection Category C-F-1. Reference Section 7, Paragraph 7.1.9 in ISI Plan - Volume 1.  Pipe to Elbow
G09.001.009	2-53B-18-60 Circumferential	2-53B-18(3) OFD-102A-2.2	NDE-35	PT	SS	14.000 0.250		Non-Legitimate Weld in Inspection Category C-F-1. Reference Section 7, Paragraph 7.1.9 in ISI Plan - Volume 1.  Pipe to Elbow
G09.001.010	2-53B-18-65 Circumferential Term end	2-53B-18(3) OFD-102A-2.2	NDE-35	PT	SS	12.000 0.180		Non-Legitimate Weld in Inspection Category C-F-1. Reference Section 7, Paragraph 7.1.9 in ISI Plan - Volume 1. TERMINAL END  Elbow to Flange
G09.001.011	2-53B-19-100 Circumferential	2-53B-19(2) OFD-102A-2.2	NDE-35	PT	SS	8.000 0.148		Non-Legitimate Weld in Inspection Category C-F-1. Reference Section 7, Paragraph 7.1.9 in ISI Plan - Volume 1.  Elbow to Tee
G09.001.017	2-53B-26-58 Circumferential	2-53B-26(1) OFD-102A-2.2	NDE-35	PT	SS	8.000 0.250		Non-Legitimate Weld in Inspection Category C-F-1. Reference Section 7, Paragraph 7.1.9 in ISI Plan - Volume 1.  Reducer to Pipe
G09.001.034	2-54A-5-40 Circumferential	2-54A-5(1) OFD-102A-2.1	NDE-35	PT	SS	10.000 0.250		Non-Legitimate Weld in Inspection Category C-F-1. Reference Section 7, Paragraph 7.1.9 in ISI Plan - Volume 1.  Pipe to Elbow

**Total G09.001 Items: 6**

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**Total Category AUG Items: 6**



Duke Power Company  
Quality Assurance Technical Services

Inservice Inspection Plan For:

Oconee Unit 2

Interval 3

ISI Outage 2

Refueling Outage EOC 16

**Pressure Test Listing**

Revision 0

OCONEE UNIT NUMBER 2  
CLASS A (CATEGORY B-P) REQUIREMENTS  
FOR OUTAGE NUMBER 16

<u>ITEM NO.</u>	<u>DRAWING</u>	<u>REV</u>	<u>TEST</u>	<u>COMP</u>	<u>COMP NAME</u>	<u>REQ. INSP</u>	<u>REQ. PROC</u>	<u>COMMENTS</u>
B15.050.001	SEE COMMENTS	N/A	LEAK	VARIOUS	RC SYSTEM	VT-2	QAL-15	Drawings that make up the Class A Leakage Boundary: OFDL-100A-2.1, OFDL-100A-2.2, OFDL-100A-2.3, OFDL-101A-2.1, OFDL-101A-2.4, OFDL-101A-2.5, OFDL-102A-2.1, OFDL-102A-2.2, OFDL-102A-2.3, OFDL-110A-2.1, OFDL-110A-2.4, OFDL-127B-2.2

OCONEE UNIT NUMBER 2  
CLASS B (CATEGORY C-H) REQUIREMENTS  
FOR OUTAGE NUMBER 16

ITEM NO	DRAWING	REV	TEST	COMP	COMP NAME	REQ. INSP	REQ. PROC	COMMENTS
C07.030.001	OFDL-101A-2.1	00	INS/FUN	VARIOUS	HPI SYSTEM	VT-2	QAL-15	Penetrations 6 and 7
C07.030.002	OFDL-101A-2.2	00	INSER	VARIOUS	HPI SYSTEM	VT-2	QAL-15	
C07.030.003	OFDL-101A-2.3	00	INSER	VARIOUS	HPI SYSTEM	VT-2	QAL-15	
C07.030.004	OFDL-101A-2.4	00	INS/FUN	VARIOUS	HPI SYSTEM	VT-2	QAL-15	Penetrations 8, 9, 10, 23 and 52
C07.030.005	OFDL-101A-2.5	00	INSER	VARIOUS	HPI SYSTEM	VT-2	QAL-15	
C07.030.006	OFDL-102A-2.1	00	INS/FUN	VARIOUS	LPI SYSTEM	VT-2	QAL-15	Penetrations 36, 37 and 62
C07.030.007	OFDL-104A-1.1	00	FUNCT	VARIOUS	SF SYSTEM	VT-2	QAL-15	
C07.030.008	OFDL-104A-1.2	02	INSER	VARIOUS	SF SYSTEM	VT-2	QAL-15	
C07.030.009	OFDL-102A-2.2	00	INS/FUN	VARIOUS	LPI SYSTEM	VT-2	QAL-15	Penetrations 15 and 16
C07.030.010	OFDL-102A-2.3	00	FUNCT	VARIOUS	LPI SYSTEM	VT-2	QAL-15	Penetrations 39 and 59
C07.030.011	OFDL-103A-2.1	00	FUNCT	VARIOUS	BS SYSTEM	VT-2	QAL-15	
C07.030.012	OFDL-106E-2.1	00	FUNCT	VARIOUS	DW SYSTEM	VT-2	QAL-15	Penetrations 46 and 55
C07.030.013	OFDL-107A-2.1	00	FUNCT	VARIOUS	CS SYSTEM	VT-2	QAL-15	Penetrations 18 and 38
C07.030.014	OFDL-107A-2.2	00	FUNCT	VARIOUS	CS SYSTEM	VT-2	QAL-15	Penetration 29
C07.030.015	OFDL-107B-2.1	00	FUNCT	VARIOUS	LWD SYSTEM	VT-2	QAL-15	Penetration 5
C07.030.016	OFDL-107D-2.2	00	FUNCT	VARIOUS	LWD SYSTEM	VT-2	QAL-15	Penetration 40
C07.030.017	OFDL-110A-2.1	00	FUNCT	VARIOUS	CA SYSTEM	VT-2	QAL-15	Penetrations 2 and 58
C07.030.018	OFDL-110A-2.3	00	FUNCT	VARIOUS	CA SYSTEM	VT-2	QAL-15	Penetrations 24 and 42
C07.030.019	OFDL-110A-2.4	00	FUNCT	VARIOUS	CA SYSTEM	VT-2	QAL-15	
C07.030.020	OFDL-116A-2.1	00	FUNCT	VARIOUS	PR SYSTEM	VT-2	QAL-15	Penetrations 19 and 20

OCONEE UNIT NUMBER 2  
CLASS B (CATEGORY C-H) REQUIREMENTS  
FOR OUTAGE NUMBER 16

ITEM NO.	DRAWING	REV	TEST	COMP	COMP NAME	REQ. INSP	REQ. PROC	COMMENTS
C07.030.021	OFDL-116C-2.1	00	FUNCT	VARIOUS	PR SYSTEM	VT-2	QAL-15	Penetrations 60 and 61
C07.030.022	OFDL-121B-2.3	00	INS/FUN	VARIOUS	FDW SYSTEM	VT-2	QAL-15	Penetrations 25 and 27
C07.030.023	OFDL-121B-2.5	00	FUNCT	VARIOUS	FDW SYSTEM	VT-2	QAL-15	Penetrations 4 and 43
C07.030.024	OFDL-121D-2.1	00	FUNCT	VARIOUS	EFW SYSTEM	VT-2	QAL-15	Penetrations 17 and 50
C07.030.025	OFDL-122A-2.1	00	INSER	VARIOUS	MS SYSTEM	VT-2	QAL-15	Penetrations 26 and 28
C07.030.026	OFDL-122A-2.2	00	INSER	VARIOUS	MS SYSTEM	VT-2	QAL-15	
C07.030.027	OFDL-122A-2.3	00	INSER	VARIOUS	MS SYSTEM	VT-2	QAL-15	
C07.030.028	OFDL-122A-2.4	00	INSER	VARIOUS	MS SYSTEM	VT-2	QAL-15	
C07.030.029	OFDL-122B-2.1	00	INSER	VARIOUS	MS SYSTEM	VT-2	QAL-15	
C07.030.030	OFDL-124B-2.2	00	FUNCT	VARIOUS	LPSW SYSTEM	VT-2	QAL-15	Penetrations 30, 31, 32, 33, 34 and 35
C07.030.031	OFDL-124B-2.4	00	INSER	VARIOUS	LPSW SYSTEM	VT-2	QAL-15	Penetrations 21 and 22
C07.030.032	OFDL-127B-2.2	00	FUNCT	VARIOUS	N SYSTEM	VT-2	QAL-15	Penetrations 39 and 53
C07.030.034	OFDL-137A-2.3	00	INSER	VARIOUS	BA SYSTEM	VT-2	QAL-15	Penetration 48
C07.030.035	OFDL-137B-1.2	01	FUNCT	VARIOUS	IA SYSTEM	VT-2	QAL-15	Penetration 41
C07.030.036	OFDL-137E-1.1	01	FUNCT	VARIOUS	LRT SYSTEM	VT-2	QAL-15	Penetrations 45 and 51
C07.030.037	OFDL-144A-2.2	00	FUNCT	VARIOUS	CC SYSTEM	VT-2	QAL-15	Penetrations 3 and 54
C07.030.038	OFDL-144A-2.3	00	FUNCT	VARIOUS	CC SYSTEM	VT-2	QAL-15	Penetration 44

OCONEE UNIT NUMBER 2  
CLASS C (CATEGORY D-A) REQUIREMENTS  
FOR OUTAGE NUMBER 16

ITEM NO.	DRAWING	REV	TEST	COMP	COMP NAME	REQ. INSP	REQ. PROC	COMMENTS
D01.011.001	OFDL-100A-2.3	00	INSER	VARIOUS	RC SYSTEM	VT-2	QAL-15	
D01.011.002	OFDL-101A-2.1	00	INSER	VARIOUS	HPI SYSTEM	VT-2	QAL-15	
D01.011.003	OFDL-101A-2.2	00	INSER	VARIOUS	HPI SYSTEM	VT-2	QAL-15	
D01.011.004	OFDL-101A-2.3	00	INSER	VARIOUS	HPI SYSTEM	VT-2	QAL-15	
D01.011.005	OFDL-101A-2.4	00	INSER	VARIOUS	HPI SYSTEM	VT-2	QAL-15	
D01.011.006	OFDL-101A-2.5	00	INSER	VARIOUS	HPI SYSTEM	VT-2	QAL-15	
D01.011.007	OFDL-102A-2.1	00	INSER	VARIOUS	LPI SYSTEM	VT-2	QAL-15	
D01.011.008	OFDL-109A-1.1	00	INSER	VARIOUS	HP SYSTEM	VT-2	QAL-15	
D01.011.009	OFDL-102A-2.2	00	INSER	VARIOUS	LPI SYSTEM	VT-2	QAL-15	
D01.011.010	OFDL-106A-2.2	00	INSER	VARIOUS	CT SYSTEM	VT-2	QAL-15	
D01.011.011	OFDL-110A-2.1	00	INSER	VARIOUS	CA SYSTEM	VT-2	QAL-15	
D01.011.012	OFDL-110A-2.4	00	INSER	VARIOUS	CA SYSTEM	VT-2	QAL-15	
D01.011.013	OFDL-144A-2.2	00	INSER	VARIOUS	CC SYSTEM	VT-2	QAL-15	

OCONEE UNIT NUMBER 2  
CLASS C (CATEGORY D-B) REQUIREMENTS  
FOR OUTAGE NUMBER 16

ITEM NO.	DRAWING	REV	TEST	COMP	COMP NAME	REQ. INSP	REQ. PROC	COMMENTS
D02.011.002	OFDL-121A-1.8	02	FUNCT	VARIOUS	C SYSTEM	VT-2	QAL-15	
D02.011.003	OFDL-121A-2.3	00	FUNCT	VARIOUS	C SYSTEM	VT-2	QAL-15	
D02.011.004	OFDL-121A-2.7	00	FUNCT	VARIOUS	C SYSTEM	VT-2	QAL-15	
D02.011.005	OFDL-121A-2.8	00	FUNCT	VARIOUS	C SYSTEM	VT-2	QAL-15	
D02.011.006	OFDH-121B-2.3	00	FUNCT	VARIOUS	FDW SYSTEM	VT-2	QAL-15	
D02.011.007	OFDL-121B-2.5	00	FUNCT	VARIOUS	FDW SYSTEM	VT-2	QAL-15	
D02.011.009	OFDL-121D-2.1	00	FUNCT	VARIOUS	EFW SYSTEM	VT-2	QAL-15	
D02.011.011	OFDL-121D-1.2	02	FUNCT	VARIOUS	EFW SYSTEM	VT-2	QAL-15	
D02.011.012	OFDL-122A-2.4	00	FUNCT	VARIOUS	MS SYSTEM	VT-2	QAL-15	
D02.011.013	OFDL-124A-1.1	02	FUNCT	VARIOUS	LPSW SYSTEM	VT-2	QAL-15	
D02.011.014	OFDL-124A-2.3	00	FUNCT	VARIOUS	LPSW SYSTEM	VT-2	QAL-15	
D02.011.015	OFDL-124B-2.1	01	FUNCT	VARIOUS	LPSW SYSTEM	VT-2	QAL-15	
D02.011.016	OFDL-124B-2.2	00	FUNCT	VARIOUS	LPSW SYSTEM	VT-2	QAL-15	
D02.011.017	OFDL-124B-2.4	00	FUNCT	VARIOUS	LPSW SYSTEM	VT-2	QAL-15	
D02.011.018	OFDL-133A-2.1	01	FUNCT	VARIOUS	CCW SYSTEM	VT-2	QAL-15	
D02.011.019	OFDL-133A-2.2	01	FUNCT	VARIOUS	CCW SYSTEM	VT-2	QAL-15	
D02.011.020	OFDL-124C-2.2	00	FUNCT	VARIOUS	CCW SYSTEM	VT-2	QAL-15	
D02.011.021	OFDL-133A-2.3	00	FUNCT	VARIOUS	CCW SYSTEM	VT-2	QAL-15	
D02.011.022	OFDL-133A-2.5	01	FUNCT	VARIOUS	CCW SYSTEM	VT-2	QAL-15	
D02.011.023	OFDL-135A-1.2	00	FUNCT	VARIOUS	FO SYSTEM	VT-2	QAL-15	This is a unit 1 system tested as a unit 2 component.



OCONEE UNIT NUMBER 2  
CLASS C (CATEGORY D-B) REQUIREMENTS  
FOR OUTAGE NUMBER 16

<u>ITEM NO.</u>	<u>DRAWING</u>	<u>REV</u>	<u>TEST</u>	<u>COMP</u>	<u>COMP NAME</u>	<u>REQ. INSP</u>	<u>REQ. PROC</u>	<u>COMMENTS</u>
D02.011.024	OFDL-135B-1.4	00	FUNCT	VARIOUS	DLO SYSTEM	VT-2	QAL-15	This is a Unit 1 drawing but is examined as a Unit 2 component.

Duke Power Company  
Quality Assurance Technical Services  
Inservice Inspection Plan For:  
Oconee Unit 2  
Interval 3  
ISI Outage 3  
Refueling Outage EOC 17

## **ISI Inspection Listing**

Revision 0

Run Date: May 11, 1994

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

DUKE POWER COMPANY  
 QUALITY ASSURANCE TECHNICAL SERVICES  
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Steam Generators (Primary Side)

ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
**** Tubesheet-to-Head Weld ****								
B02.040.002	2-SGA-WG58-2 Circumferential	ISI-OCN2-003 OM-1201-450	NDE-620 NDE-640	UT	CS	119.000	40393 8.000	Steam Generator 2A Lower Head Pc. 7 to Tubesheet Pc. 50. Head to Tubesheet

Total B02.040 Items: 1

Total Category B-B Items: 1

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

**Pressurizer**

DUKE POWER COMPANY  
QUALITY ASSURANCE TECHNICAL SERVICES  
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**Inservice Inspection Plan for Interval 3 Outage 3**

ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIATHK CAL	BLOCKS	COMMENTS
<b>**** Nozzle-to-Vessel Welds ****</b>								
B03.110.002	2-PZR-WP34	ISI-OCN2-002 OM-1201-456 B&W149769E	NDE-620 NDE-640	UT	CS	7.750 4.750	40394	Pressurizer Spray Nozzle Pc. 09 to Upper Head Pc. 05. Nozzle to Upper Head
B03.110.003	2-PZR-WP33-3	ISI-OCN2-002 OM-1201-456 B&W149770E	NDE-620 NDE-640	UT	CS	6.875 4.750	40394	Pressurizer Relief Nozzle Pc.31 to Upper Head Pc. 05 Between W&Z Axis.
B03.110.004	2-PZR-WP33-2	ISI-OCN2-002 OM-1201-456 B&W149770E	NDE-620 NDE-640	UT	CS	6.875 4.750	40394	Pressurizer Relief Nozzle Pc.31 to Head Pc. 05 on Y- Axis.
B03.110.005	2-PZR-WP33-1	ISI-OCN2-002 OM-1201-456 B&W149770E	NDE-620 NDE-640	UT	CS	6.875 4.750	40394	Pressurizer Relief Nozzle Pc.31 to Head Pc. 05 Between W&X Axis.
<b>Total B03.110 Items:</b>		<b>4</b>						

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

**Pressurizer**

DUKE POWER COMPANY  
QUALITY ASSURANCE TECHNICAL SERVICES  
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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 ****								
B03.120.002	2-PZR-WP34	ISI-OCN2-002 B&W149768E	NDE-680	UT	CS	7.750 2.125	40394	Pressurizer Spray Nozzle Pc. 09 (Inside Radius Section)
								Nozzle to Upper Head
B03.120.003	2-PZR-WP33-3	ISI-OCN2-002 B&W149770E	NDE-680	UT	CS	6.875 2.310	40394	Pressurizer Relief Nozzle Pc. 31 Between W & Z Axis. (Inside Radius Section).
								Nozzle to Upper Head
B03.120.004	2-PZR-WP33-2	ISI-OCN2-002 B&W149770E	NDE-680	UT	CS	6.875 2.310	40394	Pressurizer Relief Nozzle Pc. 31. Y- Axis (Inside Radius Section).
								Nozzle to Upper Head
B03.120.005	2-PZR-WP33-1	ISI-OCN2-002 B&W149770E	NDE-680	UT	CS	6.875 2.310	40394	Pressurizer Relief Nozzle Pc. 31 W & X Axis (Inside Radius Section).
								Nozzle to Upper Head
<b>Total B03.120 Items:</b>		<b>4</b>						

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

**Steam Generators (Primary Side)**

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ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
<b>**** Nozzle-to-Vessel Welds ****</b>								
B03.130.001	2-SGA-WG50-2 Circumferential	ISI-OCN2-003 OM-1201-450 B&W146467E	NDE-620 NDE-640	UT Nozzle to Head	CS	38.380 8.500	40393	Steam Generator 2A Outlet Nozzle Pc. 65 to Lower Head Pc. 7 Between W-Z Axis.
B03.130.002	2-SGA-WG50-1 Circumferential	ISI-OCN2-003 OM-1201-450 B&W146467E	NDE-620 NDE-640	UT Nozzle to Head	CS	38.380 8.500	40393	Steam Generator 2A Outlet Nozzle Pc. 65 to Lower Head Pc. 7 Between Y-Z Axis.
<b>Total B03.130 Items:</b>		<b>2</b>						

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

**Steam Generators (Primary Side)**

DUKE POWER COMPANY  
QUALITY ASSURANCE TECHNICAL SERVICES  
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**Inservice Inspection Plan for Interval 3 Outage 3**

ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
**** Nozzle Inside Radius Section ****								
B03.140.001	2-SGA-WG50-2	ISI-OCN2-003 OM-1201-450 B&W103214D	NDE-680	UT	CS	38.380 8.500	40393	Steam Generator 2A Outlet Nozzle Pc.65 Between W-Z Axis. (Inside Radius Section)
				Nozzle to Lower Head				
B03.140.002	2-SGA-WG50-1	ISI-OCN2-003 OM-1201-450 B&W103214D	NDE-680	UT	CS	38.380 8.500	40393	Steam Generator 2A Outlet Nozzle Pc.65 Between Y-Z Axis. (Inside Radius Section)
				Nozzle to Lower Head				

Total B03.140 Items: 2

Total Category B-D Items: 12

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

DUKE POWER COMPANY  
QUALITY ASSURANCE TECHNICAL SERVICES  
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**Inservice Inspection Plan for Interval 3 Outage 3**

Piping

ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DI A/THK	CAL BLOCKS	COMMENTS
<b>**** NPS 4 or Larger; Dissimilar Metal Butt Welds ****</b>								
B05.130.008	2-PIA1-7 Circumferential	ISI-OCN2-007 OM-1201-966	NDE-610	UT	SS/CS	33.500	40393 3.000	UT from the pipe side. Pipe (Pc. 56) to Safe-End (Pc. 55)
B05.130.008A	2-PIA1-7 Circumferential	ISI-OCN2-007 OM-1201-966	NDE-610	UT	SS/CS	33.500	40397 3.000	UT from the safe-end side. Pipe (Pc. 56) to Safe-End (Pc. 55)
B05.130.008B	2-PIA1-7 Circumferential	ISI-OCN2-007 OM-1201-966	NDE-35	PT	SS/CS	33.500	3.000	Pipe (Pc. 56) to Safe-End (Pc. 55)
B05.130.010	2-PIB1-7 Circumferential	ISI-OCN2-009 OM-1201-966	NDE-610	UT	SS/CS	33.500	40350 2.330	UT from pipe side Pipe (Pc. 56) to Safe-End (Pc. 55)
B05.130.010A	2-PIB1-7 Circumferential	ISI-OCN2-009 OM-1201-966	NDE-610	UT	SS/CS	33.500	40397 2.330	UT from the safe-end side Pipe (Pc. 56) to Safe-End (Pc. 55)
B05.130.010B	2-PIB1-7 Circumferential	ISI-OCN2-009 OM-1201-966	NDE-35	PT	SS/CS	33.500	2.330	Pipe (Pc. 56) to Safe-End (Pc. 55)
B05.130.011	2-PIB2-7 Circumferential	ISI-OCN2-010 OM-1201-966	NDE-610	UT	SS/CS	33.500	40350 2.330	UT from pipe side Pipe (Pc. 56) to Safe-End (Pc. 55)
B05.130.011A	2-PIB2-7 Circumferential	ISI-OCN2-010 OM-1201-966	NDE-610	UT	SS/CS	33.500	40397 2.330	UT from the safe-end side. Pipe (Pc. 56) to Safe-End (Pc. 55)
B05.130.011B	2-PIB2-7 Circumferential	ISI-OCN2-010 OM-1201-966	NDE-35	PT	SS/CS	33.500	2.330	Pipe (Pc. 56) to Safe-End (Pc. 55)

Total B05.130 Items: 9



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

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Piping

ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
<b>**** Less Than NPS 4; Dissimilar Metal Butt Welds ****</b>								
B05.140.001	2-50-7-14	2-50-7 (1) OFD-100A-2.1	NDE-35	PT	SS/Inconel	1.500 0.281		Pump 2A2 Suction Nozzle to elbow weld. Nozzle to Elbow
B05.140.002	2-50-7-29	2-50-7 (1) OFD-100A-2.1	NDE-35	PT	SS/Inconel	1.500 0.281		Pump 2A1 Suction Nozzle to elbow weld. Nozzle to Elbow
B05.140.003	2-50-7-8	2-50-7 (2) OFD-100A-2.1	NDE-35	PT	SS/Inconel	1.500 0.281		Pump 2B2 Suction Nozzle to elbow weld. Elbow to Nozzle
B05.140.007	2-PDB2-11	ISI-OCN2-014 B&W146829E	NDE-35	PT	CS/Inconel	3.500 0.750		Nozzle (Pc. 46) to Safe-End Pc. 47
Total B05.140 Items:		4						
Total Category B-F Items:		13						

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

DUKE POWER COMPANY  
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Reactor Vessel

ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
**** Closure Head Nuts ****								
B06.010.022	2-RPV-26-204-22	OM-1201-4 B&W152009E	NDE-25	MT	CS	9.250 1.300		Reactor Vessel Closure Nut Pc. 26.
B06.010.023	2-RPV-26-204-23	OM-1201-4 B&W152009E	NDE-25	MT	CS	9.250 1.300		Reactor Vessel Closure Nut Pc. 26.
B06.010.024	2-RPV-26-204-24	OM-1201-4 B&W152009E	NDE-25	MT	CS	9.250 1.300		Reactor Vessel Closure Nut Pc. 26.
B06.010.025	2-RPV-26-204-25	OM-1201-4 B&W152009E	NDE-25	MT	CS	9.250 1.300		Reactor Vessel Closure Nut Pc. 26.
B06.010.026	2-RPV-26-204-26	OM-1201-4 B&W152009E	NDE-25	MT	CS	9.250 1.300		Reactor Vessel Closure Nut Pc. 26.
Total B06.010 Items:		5						

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

**DUKE POWER COMPANY  
QUALITY ASSURANCE TECHNICAL SERVICES  
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Reactor Vessel

ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
**** Closure Studs, when removed ****								
B06.030.022	2-RPV-25-204-22	OM-1201-4 B&W152009E	NDE-942	UT	CS	6.500 0.000	TBD	Reactor Vessel Closure Studs - Removed; Pc. 25. Stud Length = 63.250.
B06.030.022A	2-RPV-25-204-22	OM-1201-4 B&W152009E	NDE-25	MT	CS	6.500 0.000		Reactor Vessel Closure Studs - Removed; Pc. 25. Stud Length = 63.250.
B06.030.023	2-RPV-25-204-23	OM-1201-4 B&W152009E	NDE-942	UT	CS	6.500 0.000	TBD	Reactor Vessel Closure Studs - Removed; Pc. 25. Stud Length = 63.250.
B06.030.023A	2-RPV-25-204-23	OM-1201-4 B&W152009E	NDE-25	MT	CS	6.500 0.000		Reactor Vessel Closure Studs - Removed; Pc. 25. Stud Length = 63.250.
B06.030.024	2-RPV-25-204-24	OM-1201-4 B&W152009E	NDE-942	UT	CS	6.500 0.000	TBD	Reactor Vessel Closure Studs - Removed; Pc. 25. Stud Length = 63.250.
B06.030.024A	2-RPV-25-204-24	OM-1201-4 B&W152009E	NDE-25	MT	CS	6.500 0.000		Reactor Vessel Closure Studs - Removed; Pc. 25. Stud Length = 63.250.
B06.030.025	2-RPV-25-204-25	OM-1201-4 B&W152009E	NDE-942	UT	CS	6.500 0.000	TBD	Reactor Vessel Closure Studs - Removed; Pc. 25. Stud Length = 63.250.
B06.030.025A	2-RPV-25-204-25	OM-1201-4 B&W152009E	NDE-25	MT	CS	6.500 0.000		Reactor Vessel Closure Studs - Removed; Pc. 25. Stud Length = 63.250.
B06.030.026	2-RPV-25-204-26	OM-1201-4 B&W152009E	NDE-942	UT	CS	6.500 0.000	TBD	Reactor Vessel Closure Studs - Removed; Pc. 25. Stud Length = 63.250.
B06.030.026A	2-RPV-25-204-26	OM-1201-4 B&W152009E	NDE-25	MT	CS	6.500 0.000		Reactor Vessel Closure Studs - Removed; Pc. 25. Stud Length = 63.250.

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

Reactor Vessel

DUKE POWER COMPANY  
QUALITY ASSURANCE TECHNICAL SERVICES  
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ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
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Total B06.030 Items: 10

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

DUKE POWER COMPANY  
QUALITY ASSURANCE TECHNICAL SERVICES  
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Pressurizer

ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
**** Flange Surface, when connection disassembled ****								
B06.070.001	2-PZR-MW-FLANGE	B&W149762E	QAL-13	VT-1	CS	28.000 0.000		Pressurizer Manway Flange Surface; Includes 1" Annular Surface surrounding each stud. Inspect when connection is disassembled.

Total B06.070 Items: 1

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

DUKE POWER COMPANY  
QUALITY ASSURANCE TECHNICAL SERVICES  
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Pumps

**Inservice Inspection Plan for Interval 3 Outage 3**

ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
**** Flange Surface, when connection disassembled ****								
B06.190.001	2-RCP-2A1-FLANGE	OM-1201D-0005 OM-1201-1217	QAL-13	VT-1	SS	0.000 0.000		Reactor Coolant Pump 2A1 Main Flange, Including 1" Annular Surface of Flange surrounding each stud. (Inspect only if disassembled.)
B06.190.002	2-RCP-2A2-FLANGE	OM-1201D-0005 OM-1201-1217	QAL-13	VT-1	SS	0.000 0.000		Reactor Coolant Pump 2A1 Main Flange, Including 1" Annular Surface of Flange surrounding each stud. (Inspect only if disassembled.)
B06.190.003	2-RCP-2B1-FLANGE	OM-1201D-0005 OM-1201-1217	QAL-13	VT-1	SS	0.000 0.000		Reactor Coolant Pump 2A1 Main Flange, Including 1" Annular Surface of Flange surrounding each stud. (Inspect only if disassembled.)
B06.190.004	2-RCP-2B2-FLANGE	OM-1201D-0005 OM-1201-1217	QAL-13	VT-1	SS	0.000 0.000		Reactor Coolant Pump 2A1 Main Flange, Including 1" Annular Surface of Flange surrounding each stud. (Inspect only if disassembled.)
Total B06.190 Items:		4						
Total Category B-G-1 Items:		20						

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

DUKE POWER COMPANY  
QUALITY ASSURANCE TECHNICAL SERVICES  
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**Inservice Inspection Plan for interval 3 Outage 3**

**Pressurizer**

ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
*** Bolts, Studs, and Nuts ***								
B07.020.002	2-PZR-CHB-STUDS	B&W149775E	QAL-13	VT-1	CS	2.000 0.000		Pressurizer Center Heater Bundle Studs Pc. 75 (Total 16 Studs). Length = 19.312".

Total B07.020 Items: 1

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

Piping

DUKE POWER COMPANY  
QUALITY ASSURANCE TECHNICAL SERVICES  
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**Inservice Inspection Plan for Interval 3 Outage 3**

ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
<b>**** Bolts, Studs, and Nuts ****</b>								
B07.050.002	2-PZR-RC66-BOLT	OM-1201-1526 B&W149762E	QAL-13	VT-1	CS	1.125 0.000		Pressurizer Relief Valve RC-66 Nozzle Flange Bolting ( Nozzle between W & Z Axis ) Total 8 Bolts and Nuts.
B07.050.003	2-PZR-RC67-BOLT	OM-1201-1526 B&W149762E	QAL-13	VT-1	CS	1.125 0.000		Pressurizer Relief Valve RC-67 Nozzle Flange Bolting ( Nozzle between W & X Axis ) Total 8 Bolts and Nuts.
B07.050.004	2-PZR-RC68-BOLT	OM-1201-1526 B&W149762E	QAL-13	VT-1	CS	1.125 0.000		Pressurizer Relief Valve RC-68 Nozzle Flange Bolting ( Nozzle 15 Degrees off Y - Axis ) Total 8 Bolts and Nuts.
<b>Total B07.050 Items:</b>		<b>3</b>						



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

DUKE POWER COMPANY  
QUALITY ASSURANCE TECHNICAL SERVICES  
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**Inservice Inspection Plan for Interval 3 Outage 3**

Valves

ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
**** Bolts, Studs, and Nuts ****								
B07.070.013	2-51A-HP127-BOLTS	OM-246-015 OFD-101A-2.4	QAL-13	VT-1	NA	0.000 0.000		High Pressure Injection Valve HP-127. Valve Bolting.

Total B07.070 Items: 1

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

DUKE POWER COMPANY  
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CRD Housings

ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/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 & 60 Inspected to date. (Inspect only if disassembled). Reference Request for Relief ONS-004 and ONS-005.
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 & 60)Inspected to date.(Inspect only if disassembled).

Total B07.080 Items: 2

Total Category B-G-2 Items: 7

**CATEGORY B-J, Pressure Retaining Welds  
In Piping**

**NPS 4 or Larger**

**DUKE POWER COMPANY  
QUALITY ASSURANCE TECHNICAL SERVICES  
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ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
**** Circumferential Welds ****								
B09.011.001	2-53A-10-3 Circumferential	2-53A-10 OFD-102A-2.1	NDE-600	UT	SS	12.000	40413 1.125	Valve (2LP-1) to Pipe
B09.011.001A	2-53A-10-3 Circumferential	2-53A-10 OFD-102A-2.1	NDE-35	PT	SS	12.000	1.125	Valve (2LP-1) to Pipe
B09.011.007	2-53A-8-43 Circumferential	2-53A-8(2) OFD-102A-2.3	NDE-600	UT	SS	14.000	40389 1.250	Pipe to Elbow
B09.011.007A	2-53A-8-43 Circumferential	2-53A-8(2) OFD-102A-2.3	NDE-35	PT	SS	14.000	1.250	Pipe to Elbow
B09.011.015	2-53A-9-16 Circumferential	2-53A-9 OFD-102A-2.3	NDE-600	UT	SS	10.000	40399 1.000	Pipe to Valve (2LP-48)
B09.011.015A	2-53A-9-16 Circumferential	2-53A-9 OFD-102A-2.3	NDE-35	PT	SS	10.000	1.000	Pipe to Valve (2LP-48)
B09.011.023	2-PIA1-1 Circumferential Term end	ISI-OCN2-007 OM-1201-966	NDE-600	UT	CS	33.500	40350 2.330	TERMINAL END Nozzle (Steam Gen. 2A) to Pipe (Pc. 67)
B09.011.023A	2-PIA1-1 Circumferential Term end	ISI-OCN2-007 OM-1201-966	NDE-25	MT	CS	33.500	2.330	TERMINAL END Nozzle (Steam Gen. 2A) to Pipe (Pc. 67)
B09.011.025	2-PIA2-1 Circumferential Term end	ISI-OCN2-008 OM-1201-966	NDE-600	UT	CS	33.500	40350 2.330	TERMINAL END Nozzle (Steam Gen. 2A) to Pipe (Pc. 67)
B09.011.025A	2-PIA2-1 Circumferential Term end	ISI-OCN2-008 OM-1201-966	NDE-25	MT	CS	33.500	2.330	TERMINAL END Nozzle (Steam Gen. 2A) to Pipe (Pc. 67)

**CATEGORY B-J, Pressure Retaining Welds  
In Piping**

**NPS 4 or Larger**

DUKE POWER COMPANY  
QUALITY ASSURANCE TECHNICAL SERVICES  
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ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
B09.011.027	2-PIB1-1	ISI-OCN2-009 OM-1201-966	NDE-600	UT	CS	33.500	40350	TERMINAL END
	Circumferential Term end					2.330		Nozzle (Steam Gen. 2B) to Pipe (Pc. 67)
B09.011.027A	2-PIB1-1	ISI-OCN2-009 OM-1201-966	NDE-25	MT	CS	33.500		TERMINAL END
	Circumferential Term end					2.330		Nozzle (Steam Gen. 2B) to Pipe (Pc. 67)
B09.011.031	2-PIB2-8	ISI-OCN2-010 OM-1201-966	NDE-600	UT	SS	33.500	40397	
	Circumferential					2.330		RCP 2B2 Casing to Pipe (Safe-End Pc. 55)
B09.011.031A	2-PIB2-8	ISI-OCN2-010 OM-1201-966	NDE-35	PT	SS	33.500		
	Circumferential					2.330		RCP 2B2 Casing to Pipe (Safe-End Pc. 55)
B09.011.045	2-PSP-3	ISI-OCN2-016 OFD-100A-2.2	NDE-600	UT	SS	4.000	TBD	
	Circumferential Stress weld					0.438		Elbow to Reducer
B09.011.045A	2-PSP-3	ISI-OCN2-016 OFD-100A-2.2	NDE-35	PT	SS	4.000		
	Circumferential Stress weld					0.438		Elbow to Reducer
<b>Total B09.011 Items:</b>		<b>16</b>						

**CATEGORY B-J, Pressure Retaining Welds  
In Piping**

Less Than NPS 4

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---- Circumferential Welds ----								
B09.021.011	2-51A-147-26	2-51A-147 OFD-101A-2.1	NDE-35	PT	SS	2.500		
	Circumferential					0.375		Pipe to Pipe
B09.021.023	2-51A-30-15	2-51A-30 OFD-101A-2.4	NDE-35	PT	SS	2.500		
	Circumferential					0.375		Pipe to Pipe
B09.021.029	2-51A-30-40	2-51A-30 OFD-101A-2.4	NDE-35	PT	SS	2.500		
	Circumferential					0.375		Elbow to Pipe
B09.021.031	2-51A-30-52	2-51A-30 OFD-101A-2.4	NDE-35	PT	SS	2.500		
	Circumferential					0.375		Elbow to Pipe
B09.021.033	2-51A-35-28A	2-51A-35 (2) OFD-101A-2.1	NDE-35	PT	SS	2.500		
	Circumferential					0.375		Pipe to Elbow
B09.021.034	2-51A-35-33	2-51A-35 (2) OFD-101A-2.1	NDE-35	PT	SS	2.500		
	Circumferential					0.375		Pipe to Elbow
B09.021.049	2-50-7-30	2-50-7 (1) OFD-100A-2.1	NDE-35	PT	SS	1.500		
	Circumferential					0.281		Elbow to Pipe
B09.021.051	2-50-7-9	2-50-7 (2) OFD-100A-2.1	NDE-35	PT	SS	1.500		
	Circumferential					0.281		Pipe to Elbow
B09.021.053	2-PSP-25	ISI-OCN2-016 OFD-100A-2.2	NDE-35	PT	SS	1.500		
	Circumferential Stress weld					0.281		Tee to Reducer
B09.021.059	2-PSP-14	ISI-OCN2-016 OFD-100A-2.2	NDE-35	PT	SS	2.500		
	Circumferential Stress weld					0.375		Elbow to Tee

CATEGORY B-J, Pressure Retaining Welds  
In Piping

Less Than NPS 4

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ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
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Total B09.021 Items: 10

**CATEGORY B-J. Pressure Retaining Welds  
In Piping**

DUKE POWER COMPANY  
QUALITY ASSURANCE TECHNICAL SERVICES  
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**Inservice Inspection Plan for Interval 3 Outage 3**

**Branch Pipe Connection Welds**

ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
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.... Less Than NPS 4 ....

B09.032.004	2-PDB1-10	ISI-OCN2-013	NDE-25	MT	CS	3.000		
	Branch	OM-1201-966				2.250		
	Stress weld	OM-1201-969						Nozzle (Pc. 46) to Pipe (Pc.44)

Total B09.032 Items: 1

**CATEGORY B-J, Pressure Retaining Welds  
In Piping**

**Socket Welds**

DUKE POWER COMPANY  
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ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
B09.040.004	2-50-129-3B	2-50-129 OFD-100A-2.2	NDE-35	PT	SS	1.500 0.281		Elbow to Pipe

Total B09.040 Items: 1

Total Category B-J Items: 28



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

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**Inservice Inspection Plan for Interval 3 Outage 3**

**Pumps**

ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
<b>.... Pump Casing Welds ....</b>								
B12.010.001	2-RCP-2A1 Circumferential	ISI-OCN2-007 OM-1201D-0005 OM-1201-0001	NDE-12	RT	SS	68.000 0.000	Casing to Casing	Reactor Coolant Pump 2A1 Casing Weld. (Inspect only if pump is disassembled for maintenance purposes, repair, ect.) See Request for Relief ONS-008 Volume 1 Section 9.
B12.010.002	2-RCP-2A2 Circumferential	ISI-OCN2-008 OM-1201D-0005 OM-1201-0001	NDE-12	RT	SS	68.000 0.000	Casing to Casing	Reactor Coolant Pump 2A2 Casing Weld. (Inspect only if pump is disassembled)
B12.010.003	2-RCP-2B1 Circumferential	ISI-OCN2-009 OM-1201D-0005 OM-1201-0001	NDE-12	RT	SS	68.000 0.000	Casing to Casing	Reactor Coolant Pump 2B1 Casing Weld. (Inspect only if pump is disassembled)
B12.010.004	2-RCP-2B2 Circumferential	ISI-OCN2-010 OM-1201D-0005 OM-1201-0001	NDE-12	RT	SS	68.000 0.000	Casing to Casing	Reactor Coolant Pump 2B2 Casing Weld. (Inspect only if pump is disassembled)
<b>Total B12.010 Items:</b>		<b>4</b>						

**CATEGORY B-L-2. Pump Casings**

DUKE POWER COMPANY  
 QUALITY ASSURANCE TECHNICAL SERVICES  
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Inservice Inspection Plan for Interval 3 Outage 3

**Pumps**

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 OM-1201D-0005 OM-1201-0001	QAL-14	VT-3	SS	68.000 0.000		Reactor Coolant Pump 2A1 Casing Internal Surfaces. (Inspect only if pump is disassembled for maintenance purposes, repair,ect.)
B12.020.002	2-RCP-2A2-CASING	ISI-OCN2-008 OM-1201D-0005 OM-1201-0001	QAL-14	VT-3	SS	68.000 0.000		Reactor Coolant Pump 2A2 Casing Internal Surfaces. (Inspect only if pump is disassembled for maintenance purposes, repair,ect.)
B12.020.003	2-RCP-2B1-CASING	ISI-OCN2-009 OM-1201D-0005 OM-1201-0001	QAL-14	VT-3	SS	68.000 0.000		Reactor Coolant Pump 2B1 Casing Internal Surfaces. (Inspect only if pump is disassembled for maintenance purposes, repair,ect.)
B12.020.004	2-RCP-2B2-CASING	ISI-OCN2-010 OM-1201D-0005 OM-1201-0001	QAL-14	VT-3	SS	68.000 0.000		Reactor Coolant Pump 2B2 Casing Internal Surfaces. (Inspect only if pump is disassembled for maintenance purposes, repair,ect.)
<b>Total B12.020 Items:</b>		<b>4</b>						

**CATEGORY B-M-2, Valve Bodies**

DUKE POWER COMPANY  
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**Inservice Inspection Plan for Interval 3 Outage 3**

**Valves**

ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
<b>**** Valve Body, Exceeding NPS 4 ****</b>								
B12.050.001	2-53A-CF11	OM-245-001 OFD-102A-2.3	QAL-14	VT-3	SS	14.250 0.000		A-Side Core Flood (W-Axis) Valve Body - Valve CF-11. (Inspect only if valve is disassembled for maintenance purposes, valve repair, etc.)
B12.050.002	2-53A-CF12	OM-245-001 OFD-102A-2.3	QAL-14	VT-3	SS	14.250 0.000		A-Side Core Flood (W-Axis) Valve Body - Valve CF-12. (Inspect only if valve is disassembled for maintenance purposes, valve repair, etc.)
B12.050.003	2-53A-CF13	OM-245-001 OFD-102A-2.3	QAL-14	VT-3	SS	14.250 0.000		B-Side Core Flood (Y-Axis) Valve Body - Valve CF-13. (Inspect only if valve is disassembled for maintenance purposes, valve repair, etc.)
B12.050.004	2-53A-CF14	OM-245-001 OFD-102A-2.3	QAL-14	VT-3	SS	14.250 0.000		B Side Core Flood (Y-Axis) Valve Body - Valve CF-14. (Inspect only if valve is disassembled for maintenance purposes, valve repair, etc.)
B12.050.005	2-53A-LP47	OM-245-001 OFD-102A-2.2	QAL-14	VT-3	SS	14.250 0.000		B-Side LPI Valve Body- Valve LP-47. (Inspect only if valve is disassembled for maintenance purposes, valve repair, etc.)
B12.050.006	2-53A-LP48	OM-245-001 OFD-102A-2.2	QAL-14	VT-3	SS	10.937 0.000		B-Side LPI Valve Body- Valve LP-48. (Inspect only if valve is disassembled for maintenance purposes, valve repair, etc.)
B12.050.007	2-53A-LP1	OM-201-165 OFD-102A-2.1	QAL-14	VT-3	SS	12.968 0.000		Decay Heat Suction Valve LP-1. (Inspect only if valve is disassembled for maintenance purposes, valve repair, etc.)
B12.050.008	2-53A-LP2	OM-201-165 OFD-102A-2.1	QAL-14	VT-3	SS	12.968 0.000		Decay Heat Valve LP-2. (Inspect only if valve is disassembled for maintenance purposes, valve repair, etc.)

**Total B12.050 Items: 8**

**Total Category B-M-2 Items: 16**

**CATEGORY B-O, Pressure Retaining Welds  
In Control Rod Housings**

Reactor Vessel

DUKE POWER COMPANY  
QUALITY ASSURANCE TECHNICAL SERVICES  
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ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
**** Welds in CRD Housing ****								
B14.010.002	2-RPV-CRD-47WH9	OM-1201-1529 OM-1201-1530	NDE-35	PT	SS/Inconel	4.025 0.650		CRDM Housing Body to Adapter MK - 67 to MK- 55. Housing Body to Adapter
B14.010.004	2-RPV-CRD-47W60	DPS 706599-1056 OM-1201-1530	NDE-35	PT	SS/CS	5.000 0.500		CRDM Base to Motor Tube - CRDM # 47. CRDM Base to Motor Tube
B14.010.007	2-RPV-CRD-47	DPS 706599-1056 OM-1201-1530	NDE-35	PT	SS/CS	4.300 0.400		CRDM Motor Tube to Extension - CRDM # 47. CRDM Motor Tube to Extension
B14.010.010	2-RPV-CRD-47W61	DPS 706599-1056 OM-1201-1530	NDE-35	PT	SS	4.190 0.380		Peripheral CRDM Extension to Cap - CRDM # 47. Extension to Cap
Total B14.010 Items:								4
Total Category B-O Items:								4

CATEGORY B-Q, Steam Generator Tubing

DUKE POWER COMPANY  
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Steam Generator Tubing In Straight Tube Design

ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
---- Steam Generator Tubing In Straight Tube Design ----								
B16.011.001	2-SGA-TUBES			ET	NA	0.000 0.000		Information on S/G Tube examinations can be acquired from the Diversified Services Group of the Generation Services Department, Duke Power Company.
B16.011.002	2-SGB-TUBES			ET	NA	0.000 0.000		Information on S/G Tube examinations can be acquired from the Diversified Services Group of the Generation Services Department, Duke Power Company.
Total B16.011 Items:		2						
Total Category B-Q Items:		2						



**CATEGORY C-A, Pressure Retaining Welds  
In Pressure Vessels**

DUKE POWER COMPANY  
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**Tubesheet-to-Shell Weld**

ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
C01.030.003	2-LPCB-SH-TUBE Circumferential	OM-201-0286 OFD-102A-2.2	NDE-630	UT	SS/CS	46.000 0.750	40385	LP Cooler 2B S/S Shell to Tubesheet Flange

Total C01.030 Items: 1  
 Total Category C-A Items: 2

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

DUKE POWER COMPANY  
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**Nozzles Without Reinforcing Plate In Vessels >  
1/2 In. Nom. Thickness**

**Inservice Inspection Plan for Interval 3 Outage 3**

ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
<b>**** Nozzle-to-Shell (or Head) Weld ****</b>								
C02.021.001	2-SGA-WG23-1	ISI-OCN2-003 OM-1201-450 B&W103214D	NDE-620 NDE-640	UT	CS	29.000 6.750	40338	Steam Generator 2A Steam Outlet Nozzle (W-Axis) Pc. 14 to Shell Pc. 3.
	Circumferential			Outlet Nozzle to Shell				
C02.021.001A	2-SGA-WG23-1	ISI-OCN2-003 OM-1201-450 B&W103214D	NDE-25	MT	CS	29.000 6.750		Steam Generator 2A Steam Outlet Nozzle (W-Axis) Pc. 14 to Shell Pc. 3.
	Circumferential			Outlet Nozzle to Shell				
C02.021.002	2-SGA-WG23-2	ISI-OCN2-003 OM-1201-450 B&W103214D	NDE-620 NDE-640	UT	CS	29.000 6.750	40338	Steam Generator 2A Steam Outlet Nozzle (X-YAxis) Pc. 14 to Shell Pc. 3.
	Circumferential			Outlet Nozzle to Shell				
C02.021.002A	2-SGA-WG23-2	ISI-OCN2-003 OM-1201-450 B&W103214D	NDE-25	MT	CS	29.000 6.750		Steam Generator 2A Steam Outlet Nozzle (X-YAxis) Pc. 14 to Shell Pc. 3.
	Circumferential			Outlet Nozzle to Shell				
<b>Total C02.021 Items:</b>		<b>4</b>						

<b>**** Nozzle Inside Radius Section ****</b>								
C02.022.001	2-SGA-WG23-1	ISI-OCN2-003 OM-1201-450 B&W103214D	NDE-620 NDE-640	UT	CS	29.000 6.750	40338	Steam Generator 2A Steam Outlet Nozzle (W-X Axis) Pc. 14 to Shell Pc. 3. (Inside Radius Section)
				Outlet Nozzle to Shell				
C02.022.002	2-SGA-WG23-2	ISI-OCN2-003 OM-1201-450 B&W103214D	NDE-680	UT	CS	29.000 6.750	40338	Steam Generator 2A Steam Outlet Nozzle (X-Y Axis) Pc. 14 to Shell Pc. 3. (Inside Radius Section)
				Outlet Nozzle to Shell				
<b>Total C02.022 Items:</b>		<b>2</b>						
<b>Total Category C-B Items:</b>		<b>6</b>						



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

**Pressure Vessels**

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ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
**** Integrally Welded Attachments ****								
C03.010.001	2-SGA-WG84-YZ	OM-1201-1511 OM-1201-95	NDE-25	MT	CS	0.000 1.000		Steam Generator 2A Feedwater Header Support Attachment Pc. 152/153 Y-Z Quadrant nearest to Y- Axis
C03.010.002	2-SGA-WG84-ZY	OM-1201-1511 OM-1201-95	NDE-25	MT	CS	0.000 1.000		Steam Generator 2A Feedwater Header Support Attachment Pc. 152/153 Y-Z Quadrant nearest to Z - Axis.
C03.010.005	2-SGB-WG84-XY	OM-1201-1511 OM-1201-95	NDE-25	MT	CS	0.000 1.000		Steam Generator 2B Feedwater Header Support Attachment Pc. 152/153 X-Y Quadrant nearest to X- Axis.
C03.010.006	2-SGB-WG84-YX	OM-1201-1511 OM-1201-95	NDE-25	MT	CS	0.000 1.000		Steam Generator 2B Feedwater Header Support Attachment Pc. 152/153 X-Y Quadrant nearest to Y- Axis.
<b>Total C03.010 Items:</b>		<b>4</b>						

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

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**Inservice Inspection Plan for Interval 3 Outage 3**

Piping

ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
<b>**** Integrally Welded Attachments ****</b>								
C03.020.012	2-01A-H7B Constant support	0-1481A OFD-122A-2.1	NDE-25	MT	CS	26.000 1.000		FILE NO. OSC-440 PROBLEM NO. 2-01-01 PAGE 40 MAIN STEAM PIPING
C03.020.023	2-14B-H12 Rigid restraint	0-1479A OFD-124B-2.2	NDE-25	MT	CS	6.000 0.750		FILE NO. OSC-1325 PROBLEM NO. 2-14-16 VOL .6OF12 LP SERVICE WATER
C03.020.034	2-14B-H5F Rigid restraint	0-1479A OFD-124B-2.2	NDE-25	MT	CS	8.000 1.500		FILE NO. OSC-1325 PROBLEM NO. 2-14-14 vol. 4of12 LPSWATER
C03.020.035	2-51-DE047 Rigid restraint	1-0-1439A OFD-101A-2.1	NDE-35	PT	SS	4.000 1.000		File Number = OSC-483, Page 54; Problem Number = 2-51-06; R C Pump Seal Return Line.
C03.020.042	2-53B-DE082 Rigid restraint	0-1439C OFD-102A-2.2	NDE-35	PT	SS	10.000 1.000		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".
C03.020.043	2-53B-H1 Spring hanger	5-0-1444 OFD-102A-2.1	NDE-35	PT	SS	12.000 1.000		FILE NO. OS-487, PROBLEM NO. 2-53-01, SHT3 OF 5. LPI TO DECAY HEAT REMOVAL SYSTEM 53B.
C03.020.044	2-53B-H14 Rigid restraint	6-0-438C OFD-102A-2.1	NDE-35	PT	SS	8.000 1.000		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".
C03.020.050	2-53B-R11 Rigid restraint	0-1439B OFD-102A-2.2	NDE-35	PT	SS	10.000 1.500		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".  SWAY STRUT to Other
C03.020.058	2-SGA-WG87-WZ Rigid restraint	OM-201-1054 OFD-121B-2.3	NDE-25	MT	CS	0.000 1.000		SGA FDW. HDR. S/R ATTACH. W-Z QUAD. NEAR W-AXIS

Total C03.020 Items: 9

Total Category C-C Items: 13

CATEGORY C-D, Pressure Retaining  
Bolting Greater Than 2 in. In Diameter

DUKE POWER COMPANY  
QUALITY ASSURANCE TECHNICAL SERVICES  
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Valves

ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
**** Bolts and Studs ****								
C04.040.002	2-01A-SV2-STUD	OM-200-195 OFD-122B-2.1	NDE-942	UT	CS	2.250	40417 0.000	Main Steam Stop Valve SV2.

Total C04.040 Items: 1

Total Category C-D Items: 1

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

DUKE POWER COMPANY  
QUALITY ASSURANCE TECHNICAL SERVICES  
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**Inservice Inspection Plan for Interval 3 Outage 3**

**Piping Welds  $\geq$  3/8 In. Nominal Wall Thickness for  
Piping  $>$  NPS 4**

ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
<b>**** Circumferential Weld ****</b>								
C05.011.005	2-53A-9-17	2-53A-9 OFD-102A-2.3	NDE-600	UT	SS	10.000	40354	
	Circumferential						1.125	Pipe to Valve (2LP-48)
C05.011.005A	2-53A-9-17	2-53A-9 OFD-102A-2.3	NDE-35	PT	SS	10.000		
	Circumferential						1.125	Pipe to Valve (2LP-48)
<hr/>								
<b>Total C05.011 Items:</b>		<b>2</b>						

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

DUKE POWER COMPANY  
QUALITY ASSURANCE TECHNICAL SERVICES  
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Piping Welds > 1/5 In. Nom Wall For Piping ≥  
NPS 2 And ≤ NPS 4

ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL	BLOCKS	COMMENTS
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\*\*\*\* Circumferential Weld \*\*\*\*

C05.021.007	2-51A-130-14 Circumferential	2-51A-130 OFD-101A-2.4	NDE-600	UT	SS	4.000	40406	0.531	Pipe to Elbow
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C05.021.007A	2-51A-130-14 Circumferential	2-51A-130 OFD-101A-2.4	NDE-35	PT	SS	4.000		0.531	Pipe to Elbow
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C05.021.008	2-51A-130-4A Circumferential	2-51A-130 OFD-101A-2.4	NDE-600	UT	SS	4.000	40406	0.531	Pipe to Elbow
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C05.021.008A	2-51A-130-4A Circumferential	2-51A-130 OFD-101A-2.4	NDE-35	PT	SS	4.000		0.531	Pipe to Elbow
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C05.021.009	2-51A-131-1 Circumferential	2-51A-131 OFD-101A-2.4	NDE-600	UT	SS	4.000	40406	0.531	Pipe to Elbow
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C05.021.009A	2-51A-131-1 Circumferential	2-51A-131 OFD-101A-2.4	NDE-35	PT	SS	4.000		0.531	Pipe to Elbow
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C05.021.010	2-51A-131-11 Circumferential	2-51A-131 OFD-101A-2.4	NDE-600	UT	SS	4.000	40406	0.531	Elbow to Pipe
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C05.021.010A	2-51A-131-11 Circumferential	2-51A-131 OFD-101A-2.4	NDE-35	PT	SS	4.000		0.531	Elbow to Pipe
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C05.021.036	2-51A-28-15 Circumferential	2-51A-28 (1) OFD-101A-2.4	NDE-600	UT	SS	4.000	40406	0.531	Pipe to Flange
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C05.021.036A	2-51A-28-15 Circumferential	2-51A-28 (1) OFD-101A-2.4	NDE-35	PT	SS	4.000		0.531	Pipe to Flange
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**CATEGORY C-F-1, Pressure Retaining  
Welds In Austenitic SS or High Alloy Piping**

**Piping Welds > 1/5 In. Nom Wall For Piping ≥  
NPS 2 And ≤ NPS 4**

DUKE POWER COMPANY  
QUALITY ASSURANCE TECHNICAL SERVICES  
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**Inservice Inspection Plan for Interval 3 Outage 3**

ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
C05.021.027	2-51A-28-17 Circumferential	2-51A-28 (1) OFD-101A-2.4	NDE-600	UT	SS	4.000	40406 0.531	Tee to Pipe
C05.021.037A	2-51A-28-17 Circumferential	2-51A-28 (1) OFD-101A-2.4	NDE-35	PT	SS	4.000	0.531	Tee to Pipe
C05.021.038	2-51A-28-21 Circumferential	2-51A-28 (1) OFD-101A-2.4	NDE-600	UT	SS	4.000	40406 0.531	Pipe to Valve (Valve 2HP-135)
C05.021.038A	2-51A-28-21 Circumferential	2-51A-28 (1) OFD-101A-2.4	NDE-35	PT	SS	4.000	0.531	Pipe to Valve (Valve 2HP-135)
C05.021.039	2-51A-28-23 Circumferential	2-51A-28 (1) OFD-101A-2.4	NDE-600	UT	SS	4.000	40406 0.531	Tee to Elbow
C05.021.039A	2-51A-28-23 Circumferential	2-51A-28 (1) OFD-101A-2.4	NDE-35	PT	SS	4.000	0.531	Tee to Elbow
C05.021.040	2-51A-28-101 Circumferential	2-51A-28 (2) OFD-101A-2.4	NDE-600	UT	SS	4.000	40406 0.674	Valve (Valve 2HP-V24A) to Tee
C05.021.040A	2-51A-28-101 Circumferential	2-51A-28 (2) OFD-101A-2.4	NDE-35	PT	SS	4.000	0.674	Valve (Valve 2HP-V24A) to Tee
C05.021.041	2-51A-28-104 Circumferential	2-51A-28 (2) OFD-101A-2.4	NDE-600	UT	SS	4.000	40406 0.674	Elbow to Pipe
C05.021.041A	2-51A-28-104 Circumferential	2-51A-28 (2) OFD-101A-2.4	NDE-35	PT	SS	4.000	0.674	Elbow to Pipe

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

DUKE POWER COMPANY  
QUALITY ASSURANCE TECHNICAL SERVICES  
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**Inservice Inspection Plan for Interval 3 Outage 3**

Piping Welds > 1/5 In. Nom Wall For Piping ≥  
NPS 2 And ≤ NPS 4

ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
C05.021.065	2-51A-146-19 Circumferential	2-51A-146 OFD-101A-2.1	NDE-600	UT	SS	2.500	40378 0.375	Pipe to Elbow
C05.021.065A	2-51A-146-19 Circumferential	2-51A-146 OFD-101A-2.1	NDE-35	PT	SS	2.500	0.375	Pipe to Elbow
C05.021.066	2-51A-17-93 Circumferential	2-51A-17 (2) OFD-101A-2.3	NDE-600	UT	SS	2.500	40378 0.375	Tee to Pipe
C05.021.066A	2-51A-17-93 Circumferential	2-51A-17 (2) OFD-101A-2.3	NDE-35	PT	SS	2.500	0.375	Tee to Pipe
C05.021.067	2-51A-17-98EA Circumferential	2-51A-17 (2) OFD-101A-2.2	NDE-600	UT	SS	2.500	40378 0.375	Valve (Valve 2HP-63) to Elbow
C05.021.067A	2-51A-17-98EA Circumferential	2-51A-17 (2) OFD-101A-2.2	NDE-35	PT	SS	2.500	0.375	Valve (Valve 2HP-63) to Elbow
C05.021.068	2-51A-17-98EB Circumferential	2-51A-17 (2) OFD-101A-2.2	NDE-600	UT	SS	2.500	40378 0.375	Elbow to Valve (Valve 2HP-62)
C05.021.068A	2-51A-17-98EB Circumferential	2-51A-17 (2) OFD-101A-2.2	NDE-35	PT	SS	2.500	0.375	Elbow to Valve (Valve 2HP-62)
C05.021.069	2-51A-28-102 Circumferential	2-51A-28 (2) OFD-101A-2.4	NDE-600	UT	SS	2.500	TBD 0.552	Pipe to Tee
C05.021.069A	2-51A-28-102 Circumferential	2-51A-28 (2) OFD-101A-2.4	NDE-35	PT	SS	2.500	0.552	Pipe to Tee

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

**Piping Welds > 1/5 In. Nom Wall For Piping ≥  
NPS 2 And ≤ NPS 4**

DUKE POWER COMPANY  
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ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
C05.021.070	2-51A-28-72	2-51A-28 (2) OFD-101A-2.4	NDE-600	UT	SS	2.500	40378 0.375	Pipe to Tee
C05.021.070A	2-51A-28-72	2-51A-28 (2) OFD-101A-2.4	NDE-35	PT	SS	2.500	0.375	Pipe to Tee
C05.021.071	2-51A-28-75	2-51A-28 (2) OFD-101A-2.4	NDE-600	UT	SS	2.500	40378 0.375	Pipe to Elbow
C05.021.071A	2-51A-28-75	2-51A-28 (2) OFD-101A-2.4	NDE-35	PT	SS	2.500	0.375	Pipe to Elbow
C05.021.072	2-51A-28-77	2-51A-28 (2) OFD-101A-2.4	NDE-600	UT	SS	2.500	40378 0.375	Valve (Valve 2HP-119) to Elbow
C05.021.072A	2-51A-28-77	2-51A-28 (2) OFD-101A-2.4	NDE-35	PT	SS	2.500	0.375	Valve (Valve 2HP-119) to Elbow
C05.021.073	2-51A-28-89	2-51A-28 (2) OFD-101A-2.4	NDE-600	UT	SS	2.500	40378 0.375	Valve (Valve 2HP-122) to Tee
C05.021.073A	2-51A-28-89	2-51A-28 (2) OFD-101A-2.4	NDE-35	PT	SS	2.500	0.375	Valve (Valve 2HP-122) to Tee

**Total C05.021 Items: 38**



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

DUKE POWER COMPANY  
QUALITY ASSURANCE TECHNICAL SERVICES  
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**Inservice Inspection Plan for Interval 3 Outage 3**

Piping Welds  $\geq 3/8$  In. Nominal Wall Thickness for  
Piping  $> NPS 4$

ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
**** Circumferential Weld ****								
C05.051.002	2-01A-4-29	2-01A-4 (2) OFD-122A-2.1	NDE-12	RT	CS	36.000		
	Circumferential					1.164		Pipe to Elbow
C05.051.002A	2-01A-4-29	2-01A-4 (2) OFD-122A-2.1	NDE-25	MT	CS	36.000		
	Circumferential					1.164		Pipe to Elbow
C05.051.004	2-MS1A-B	2-01A-5(2)/2MS-1A OFD-122A-2.1	NDE-12	RT	CS	26.000		
	Circumferential					0.875		Pipe to Reducer
C05.051.004A	2-MS1A-B	2-01A-5(2)/2MS-1A OFD-122A-2.1	NDE-25	MT	CS	26.000		
	Circumferential					0.875		Pipe to Reducer
C05.051.011	2-MSB10-E	2-01A-15/2MSB-10 OFD-122A-2.2	NDE-12	RT	CS	12.000		
	Circumferential					0.562		Elbow to Pipe
C05.051.011A	2-MSB10-E	2-01A-15/2MSB-10 OFD-122A-2.2	NDE-25	MT	CS	12.000		
	Circumferential					0.562		Elbow to Pipe
C05.051.031	2-14B-49-136	2-14B-49 OFD-124B-2.2	NDE-12	RT	CS	8.000		
	Circumferential					0.500		Valve (Valve 2LPSW-18) to Pipe
C05.051.031A	2-14B-49-136	2-14B-49 OFD-124B-2.2	NDE-25	MT	CS	8.000		
	Circumferential					0.500		Valve (Valve 2LPSW-18) to Pipe
C05.051.033	2-14B-50-111	2-14B-50 OFD-124B-2.2	NDE-12	RT	CS	8.000		
	Circumferential					0.500		Elbow to Pipe
C05.051.033A	2-14B-50-111	2-14B-50 OFD-124B-2.2	NDE-25	MT	CS	8.000		
	Circumferential					0.500		Elbow to Pipe

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

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

DUKE POWER COMPANY  
QUALITY ASSURANCE TECHNICAL SERVICES  
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ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS	
C05.051.034	2-14B-51-1 Circumferential	2-14B-51 OFD-124B-2.2	NDE-12	RT	CS	8.000 0.500		Valve (Valve-2LPSW-19) to Pipe	
C05.051.034A	2-14B-51-1 Circumferential	2-14B-51 OFD-124B-2.2	NDE-25	MT	CS	8.000 0.500		Valve (Valve-2LPSW-19) to Pipe	
<b>Total C05.051 Items:</b>		<b>12</b>							
<b>**** Longitudinal Weld ****</b>									
C05.052.001	2-01A-4-29L Longitudinal	2-01A-4 (2) OFD-122A-2.1	NDE-12	RT	CS	36.000 1.164		Long Seam Weld for C05.051.002 Elbow to Elbow	
C05.052.001A	2-01A-4-29L Longitudinal	2-01A-4 (2) OFD-122A-2.1	NDE-25	MT	CS	36.000 1.164		Long Seam Weld for C05.051.002A Elbow to Elbow	
C05.052.002	2-01A-MS1A-BL Longitudinal	2-01A-5(2)/2MS-1A OFD-122A-2.1	NDE-12	RT	CS	26.000 0.875		Long Seam Weld for C05.051.004 Reducer to Reducer	
C05.052.002A	2-01A-MS1A-BL Longitudinal	2-01A-5(2)/2MS-1A OFD-122A-2.1	NDE-25	MT	CS	26.000 0.875		Long Seam Weld for C05.051.004A Reducer to Reducer	
<b>Total C05.052 Items:</b>		<b>4</b>							

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

DUKE POWER COMPANY  
QUALITY ASSURANCE TECHNICAL SERVICES  
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Inservice Inspection Plan for Interval 3 Outage 3

■ Pipe Branch Connections of Branch Piping ≥ NPS  
2

ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
**** Circumferential Weld ****								
C05.081.002	2-MS12A-A	2-01A-5(1)/2MS-12A	NDE-25	MT	CS	8.000		For inspection in Outage 1; See Request for Relief ONS-010.
Branch		OFD-122A-2.1				0.906	Main Steam Header to Pipe	
C05.081.003	2-MS15B-A	2-01A-5(3)/2MS-15B	NDE-25	MT	CS	8.000		For inspection in Outage 5; See Request for Relief ONS-010.
Branch		OFD-122A-2.1				0.906	Main Steam Header to Pipe	

Total C05.081 Items: 2

Total Category C-F-2 Items: 58

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

Integral Attachment

DUKE POWER COMPANY  
QUALITY ASSURANCE TECHNICAL SERVICES  
Inservice Inspection Database Management System  
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ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
**** Component Supports and Restraints ****								
D02.020.009	2-03-H49	0-551 OFD-121B-2.3	QAL-14	VT-3	NA	24.000 1.500		FILE NO. OS-454, PROBLEM NO. 2-03-01, PG 44.
	Rigid restraint						SWAY STRUT to Other	
D02.020.049	2-03A-H8A	0-1480A OFD-121D-2.1	QAL-14	VT-3	NA	6.000 0.203		File Number = OSC-1224-17, Page No. 50.1; Problem Number = 2-03A-13; Aux Service Water Piping
D02.020.053	2-03A-R59	1-0-1439A OFD-121D-2.1	QAL-14	VT-3	NA	6.000 1.000		File Number = OSC-447, Page No. 107; Problem Number = 2-03A-05;
D02.020.056	2-03A-RL-0603	0-1401B OFD-121D-2.1	QAL-14	VT-3	NA	6.000 0.500		File Number = OSC-449; Problem Number = 2-03A-08, Sht. 4 of 6; Emergency Feedwater Bypass Line
D02.020.060	2-03A-SR11	1-0-1437A OFD-121D-2.1	QAL-14	VT-3	NA	6.000 1.000		File Number = OSC-449; Problem Number = 2-03A-08, Sht 3 of 6; Emergency Feedwater Bypass Line
D02.020.064	2-03A-SR16	1-0-437B OFD-121D-2.1	QAL-14	VT-3	NA	6.000 1.000		File Number = OSC-450, Page No. 105; Problem Number = 2-03A-09; EFW Crossover
D02.020.065	2-03A-SR17	1-0-1401B OFD-121D-2.1	QAL-14	VT-3	NA	6.000 1.000		File Number = OSC-457, Page No. 43; problem Number = 2-03a-04; EFW Bypass Line to EFW Pumps
D02.020.071	2-03A-SR24	1-0-1400B OFD-121D-2.1	QAL-14	VT-3	NA	6.000 0.500		File Number = OSC-449; Problem Number = 2-03A-08, Sht. 5 of 6; Emergency Feedwater Bypass Line
D02.020.079	2-03A-SR3	1-0-1437A OFD-121D-2.1	QAL-14	VT-3	NA	6.000 1.000		File Number = OSC-450, Page No. 105; Problem Number = 2-03A-09; EFW Crossover
D02.020.082	2-03A-SR31	1-0-1401A OFD-121D-2.1	QAL-14	VT-3	NA	6.000 1.000		File Number = OS-459; Problem Number = 2-03A-06 Sht. 1 of 4; Emergency Feedwater

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

DUKE POWER COMPANY  
QUALITY ASSURANCE TECHNICAL SERVICES  
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**Integral Attachment**

**Inservice Inspection Plan for Interval 3 Outage 3**

ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
D02.020.094	2-03A-SR44 Rigid restraint	1-0-1439C OFD-121D-2.1	QAL-14	VT-3	NA	6.000 0.375		File Number = OSC-1224-21; Problem Numbers = 2-03A-14, Shts. 1 of 3 & 2of 3; Aux Service Water Pipe
D02.020.107	2-13-SR2 Rigid restraint	7-0-1400B OFD-133A-2.2	QAL-14	VT-3	NA	24.000 0.500		File Number = OS-471; Problem Number = 13-7, Sht. 1of 1; Emergency Cooling Water Discharge
D02.020.108	0-14-H7010 Rigid restraint	0-447B OFD-133A-2.5	QAL-14	VT-3	NA	6.000 0.500		File Number = OSC-1224-28; Problem Number = 4-14-15, Sht. 1of 1
D02.020.110	2-14B-DE026 Rigid restraint	0-437B OFD-124B-1.1	QAL-14	VT-3	NA	12.000 1.000		Calclaton No. OSC-1541; Problem No. 1-14-06 SHT.3 OF 3. System 14B;PAGE 102; LPSW SUPPLY TO COMPONENT COOLERS & LP COOLERS 1A & 1B
D02.020.111	2-14B-DE135 Rigid restraint	0-1437A OFD-124B-2.1	QAL-14	VT-3	NA	20.000 1.000		FILE NO. OSC-475 PROBLEM NO. 2-14-6 SHT.3OF3 LP SERVICE WATER
D02.020.112	2-14B-DE136 Rigid restraint	0-1437A OFD-124B-2.1	QAL-14	VT-3	NA	20.000 1.000		FILE NO. OSC-475 PROBLEM NO. 2-14-6 SHT3OF3 LP SERVICE WATER
D02.020.113	2-14B-DE137 Rigid restraint	0-1437A OFD-124B-2.1	QAL-14	VT-3	NA	20.000 1.000		FILE NO. OSC-475 PROBLEM NO. 2-14-6 SHT3OF3 LP SERVICE WATER
D02.020.114	2-14B-DE139 Rigid restraint	0-1437A OFD-124B-2.1	QAL-14	VT-3	NA	16.000 1.000		FILE NO. OSC-474 PROBLEM NO. 4-14-04 SHT1OF3 LP SERVICE WATER
D02.020.115	2-14B-DE141 Rigid restraint	0-1437A OFD-124B-2.1	QAL-14	VT-3	NA	16.000 1.000		FILE NO. OSC-474 PROBLEM NO. 4-14-04 SHT1OF3 LP SERVICE WATER
D02.020.117	2-14B-DE180 Rigid restraint	0-1439A OFD-124B-2.2	QAL-14	VT-3	NA	8.000 0.125		FILE NO. OSC-475 PROBLEM NO. 2-14-6 SHT.2OF3 LP SWATER

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

DUKE POWER COMPANY  
QUALITY ASSURANCE TECHNICAL SERVICES  
Inservice Inspection Database Management System  
Oconee Unit 2  
Inservice Inspection Plan for Interval 3 Outage 3

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Integral Attachment

ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
D02.020.118	2-14B-DE181 Rigid restraint	0-1439A OFD-124B-2.2	QAL-14	VT-3	NA	8.000 0.125		FILE NO. OSC-475 PROBLEM NO. 2-14-6 SHT.2OF3 LPSWATER
D02.020.119	2-14B-GLJ-1001 Rigid restraint	0-400B OFD-124A-1.1	QAL-14	VT-3 SS to Other	NA	18.000 0.375		Calculation No. OS-395 Page 40 problem no. 1-14A-01 page 1 of 2 Low Pressure Service Water
D02.020.120	2-14B-H2 Rigid restraint	1-0-1437A OFD-124B-2.1	QAL-14	VT-3 SWAY STRUT to Other	NA	16.000 1.500		FILE NO. OSC-475 PROBLEM NO. 2-14-6 SHT3OF3 LP SERVICE WATER
D02.020.121	2-14B-H22 Rigid restraint	0-1436A OFD-124B-2.1	QAL-14	VT-3	NA	16.000 0.187		FILE NO. OSC-474 PROBLEM NO. 4-14-04 SHT1OF3 LP SERVICE WATER
D02.020.122	2-14B-H3 Rigid restraint	1-0-1444 OFD-124B-2.1	QAL-14	VT-3	NA	14.000 1.500		FILE NO. OSC-475 PROBLEM NO. 2-14-6 SHT1OF3 LP SERVICE WATER
Total D02.020 Items:		25						

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

DUKE POWER COMPANY  
QUALITY ASSURANCE TECHNICAL SERVICES  
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ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
**** Mechanical and Hydraulic Snubbers ****								
D02.030.005	2-03A-H3A Mech snubber	0-1480A OFD-121D-2.1	QAL-14	VT-3	NA	6.000 0.237		File Number = OSC-1224-17, Page No. 50.1; Problem Number = 2-03A-13; Aux Service Water Piping
D02.030.006	2-03A-SR100 Hyd snubber	1-0-1400B OFD-121D-2.1	QAL-14	VT-3	NA	6.000 0.203		File Number = OSC-449; Problem Number = 2-03A-08, Sht. 5 of 6; Emergency Feedwater Bypass Line
Total D02.030 Items:		2						

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

Integral Attachment

**DUKE POWER COMPANY  
QUALITY ASSURANCE TECHNICAL SERVICES  
Inservice Inspection Database Management System  
Oconee Unit 2  
Inservice Inspection Plan for Interval 3 Outage 3**

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ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
**** Spring Type Supports ****								
D02.040.007	2-03-H63 Spring hanger	0-1439A OFD-121B-2.3	QAL-14	VT-3	NA	24.000 0.500		FILE NO. OS-454, PROBLEM NO. 2-03-01, PG 44.
D02.040.012	2-03A-H36 Spring hanger	1-0-1400A OFD-121D-2.1	QAL-14	VT-3	NA	6.000 0.125		File Number = OSC-1213; Problem Number = 2-03A-12, Sht. 1 of 2; Aux Feedwater Discharge Sys.
D02.040.013	2-03A-H49 Spring hanger	1-0-1401B OFD-121D-2.1	QAL-14	VT-3	NA	6.000 0.500		File Number = OSC-449; Problem Number = 2-03A-08, Sht. 4 of 6; Emergency Feedwater Bypass Line

Total D02.040 Items: 3

Total Category D-B Items 30



CATEGORY D-C, Systems In Support Of  
RHR From Spent Fuel Storage Pool

Integral Attachment

DUKE POWER COMPANY  
QUALITY ASSURANCE TECHNICAL SERVICES  
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ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
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\*\*\*\* Component Supports and Restraints \*\*\*\*

D03.020.003	2-56-SR31 Rigid restraint	0-1439E OFD-104A-1.1	QAL-14	VT-3	NA	8.000 0.750		Calclaton No. OS-421 Page 97; Problem No.4-56-02 Spent Fuel Cooling System 56
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Total D03.020 Items: 1

Total Category D-C Items: 1

CATEGORY F-A, Supports (Category A)

DUKE POWER COMPANY  
 QUALITY ASSURANCE TECHNICAL SERVICES  
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Class 1 Mech, Conn. to Press. Retaining Comp. &  
 Bid. Structure

ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
F01.010.004	2-51A-H5C Rigid restraint	0-1478A OFD-101A-2.1	QAL-14	VT-3	NA	2.500 0.500		File Number = OSC-1660-06, Page 84.1; Problem Number = 2-51-12; RC Pump Piping to HP Injection Letdown Coolers
<u>Total F01.010 Items:</u>		<u>1</u>						
F01.011.003	2-51A-H8A Rigid restraint	0-1479A OFD-101A-2.4	QAL-14	VT-3	NA	2.500 0.000		FILE NO. OSC-1324-06 SHT.4OF5 PROBLEM NO.2-53-15 HPI SYSTEM EAST COOLANT LOOP
<u>Total F01.011 Items:</u>		<u>1</u>						
F01.012.003	2-50-H8 Hyd snubber	0-1480A OFD-100A-2.2	QAL-14	VT-3	NA	2.500 0.000		FILE NO. OSC-1324-06 SHT.1OF2 PROBLEM NO.2-53-14 PZR SPRAY SYSTEM
F01.012.008	2-57-RJP-H0801 Hyd snubber	0-1481A OFD-100A-2.2	QAL-14	VT-3	NA	2.500 0.000		FILE NO. OSC-1332-06 PAGE 14.1 PROBLEM NO.2-57-01 PZR RELIEF VLV SYSTEM
<u>Total F01.012 Items:</u>		<u>2</u>						

**CATEGORY F-A, Supports (Category A)**

DUKE POWER COMPANY  
 QUALITY ASSURANCE TECHNICAL SERVICES  
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**Class 2 Weld Connections to Building Structure**

ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIATHK	CAL BLOCKS	COMMENTS
F01.020.004	2-01A-H7 Rigid restraint	0-1401B OFD-122A-2.1	QAL-14	VT-3	NA	36.000 0.000		FILE NO. OSC-440 PROBLEM NO. 2-01-01 PAGE 40 MAIN STEAM PIPING
F01.020.009	2-14B-H22C Rigid restraint	0-1480A OFD-124B-2.2	QAL-14	VT-3	NA	8.000 0.000		FILE NO. OSC-1325 PROBLEM NO. 2-14-13 VOL.3OF12 LP SERVICE WATER
F01.020.013	2-51A-H10C Rigid restraint	0-1478A OFD-101A-2.1	QAL-14	VT-3	NA	2.500 0.500		File Number = OSC-1322; Problem Number = 2-51-25; Drawing No.= 0-1492B-4(s) & Drawing No.= 0-1492B-4A(s); SYSTEM 51A
F01.020.016	2-51A-H175 Rigid restraint	0-1439A OFD-101A-2.4	QAL-14	VT-3	NA	4.000 0.000		FILE NO. OSC-1023 PAGE 47.1 PROBLEM NO.2-51-18 HPI SYSTEM CROSSOVER LINE
F01.020.019	2-51A-H7 Rigid restraint	2-0-437B OFD-101A-2.4	QAL-14	VT-3	NA	4.000 0.000		FILE NO. OSC-1023 PAGE 52.1 PROBLEM NO.2-51-18 HPI SYSTEM CROSSOVER LINE
F01.020.024	2-53B-DE054 Rigid restraint	0-1436A OFD-102A-2.2	QAL-14	VT-3	NA	10.000 0.000		FILE NO. OS-487, PROBLEM NO. 2-53-01, SHT 3 OF 5. L. P. INJECTION & DECAY HEAT REMOVAL SYSTEM 53B.
F01.020.029	2-53B-H31 Rigid restraint	5-0-1439C OFD-102A-2.2	QAL-14	VT-3	NA	10.000 0.500		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".
F01.020.037	2-54A-H25 Rigid restraint	3-0-1439A OFD-103A-2.1	QAL-14	VT-3	NA	8.000 0.000		FILE NO. OS-496, PROBLEM NO. 2-54-03, SHT 2 OF 2. SYSTEM 54A.
<b>Total F01.020 Items:</b>		<b>8</b>						
F01.021.005	2-14B-H12 Rigid restraint	0-1479A OFD-124B-2.2	QAL-14	VT-3	NA	6.000 0.750		FILE NO. OSC-1325 PROBLEM NO. 2-14-16 VOL.6 OF 12 LP SERVICE WATER

CATEGORY F-A, Supports (Category B)

DUKE POWER COMPANY  
 QUALITY ASSURANCE TECHNICAL SERVICES  
 Inservice Inspection Database Management System  
 Oconee Unit 2

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Class 2 Weld Connections to Building Structure

Inservice Inspection Plan for Interval 3 Outage 3

ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIATHK	CAL BLOCKS	COMMENTS
F01.021.008	2-51A-SR116 Rigid restraint	1-0-436J OFD-101A-2.3	QAL-14	VT-3	NA	4.000 0.750		FILE NO. OSC-481, Page 142.1; Problem Number = 51-2
F01.021.016	2-51A-H6 Rigid restraint	3-0-437B OFD-101A-2.4	QAL-14	VT-3	NA	4.000 0.000		FILE NO. OSC-1023 PAGE 52.1 PROBLEM NO.2-51-18 HPI SYSTEM CROSSOVER LINE
F01.021.020	2-53-H5 Rigid restraint	0-1478A OFD-102A-2.1	QAL-14	VT-3	NA	12.000 0.337		FILE NO. OSC-1320-06, PROBLEM NO. 2-53-10, PAGE 83. DECAY HEAT REMOVAL SYSTEM

Total F01.021 Items: 4

F01.022.004	2-01A-H3 Spring hanger	2-1-0-1401B OFD-122A-2.3	QAL-14	VT-3	NA	8.000 0.000		FILE NO. OSC-446 PROBLEM NO. 2-01-5 SHT 1 OF 3 STEAM SUPPLY TO FWP TURBINE
F01.022.008	2-03-H7A Hyd snubber	0-1480A OFD-121B-2.3	QAL-14	VT-3	NA	24.000 0.237		MAIN FEEDWATER WEST GEN. 2B, DWG NO. O-1490 B-4.
F01.022.016	2-53B-H2 Spring hanger	10-0-435B OFD-102A-2.2	QAL-14	VT-3	NA	8.000 0.216		FILE NO. OS-487, PROBLEM NO. 2-53-01, SHT 3 OF 5. L. P. INJECTION & DECAY HEAT REMOVAL SYSTEM 53B.
F01.022.022	2-57-H16 Hyd snubber	0-1481A OFD-100A-2.2	QAL-14	VT-3	NA	6.000 0.000		FILE NO. OSC-1332-06 PAGE 14.1 PROBLEM NO.2-57-01 PZR RELIEF VLV SYSTEM

Total F01.022 Items: 4

**CATEGORY F-A, Supports (Category A)**

DUKE POWER COMPANY  
 QUALITY ASSURANCE TECHNICAL SERVICES  
 Inservice Inspection Database Management System  
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**Class 3 Weld/Mech Conns at Inter Joints In  
 Multiconn int & Nonint Supp**

ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
F01.030.002	0-14-H7020 Rigid restraint	0-447A OFD-133A-2.5	QAL-14	VT-3	NA	6.000 0.000		File Number = OSC-1224-28; Problem Number = 4-14-15, Sht. 1 of 1
F01.030.005	2-03A-DE007 Rigid restraint	0-1401B OFD-121D-2.1	QAL-14	VT-3	NA	6.000 0.000		File Number = OSC-457, Page No. 43; problem Number = 2-03a-04; EFW Bypass Line to EFW Pumps
F01.030.011	2-03A-GC-907 Rigid restraint	0-1401A OFD-121D-2.1	QAL-14	VT-3	NA	6.000 0.000		File Number = OS-459; Problem Number = 2-03A-06 Sht. 1 of 4; Emergency Feedwater
F01.030.020	2-03A-SR16 Rigid restraint	1-0-1401B OFD-121D-2.1	QAL-14	VT-3	NA	6.000 0.000		File Number = OSC-457, Page No. 43; problem Number = 2-03a-04; EFW Bypass Line to EFW Pumps
F01.030.026	2-07A-R44 Rigid restraint	6-0-1402A OFD-121A-2.7	QAL-14	VT-3	NA	24.000 0.000		FILE NO. OSC-467, PROBLEM NO. 2-07-01, PG 108. UPPER SURGE TANK TO CONDENSER SYSTEM 07A.
F01.030.032	2-14B-H25 Rigid restraint	0-1437A OFD-124B-2.1	QAL-14	VT-3	NA	16.000 0.000		FILE NO. OSC-473 PROBLEM NO. 2-14-5 SHT3OF3 LP SERVICE WATER
<b>Total F01.030 Items:</b>		<b>6</b>						
F01.031.002	0-13-H7007 Rigid restraint	0-447A OFD-133A-2.5	QAL-14	VT-3	NA	8.000 0.000		FILE NO. OSC-1224-25 PROBLEM NO. 4-13-03 SHT.1 OF 1 SUCTION FOR AUX.&DIESEL ENGINE SWP
F01.031.009	2-03A-SR11 Rigid restraint	1-0-1401B OFD-121D-2.1	QAL-14	VT-3	NA	6.000 0.000		File Number = OSC-447, Page No. 112; Problem Number = 2-03A-05; EFW to Main Feedwater Line
F01.031.016	2-07A-SR3 Rigid restraint	0-1400A OFD-121A-2.8	QAL-14	VT-3	NA	8.000 0.000		FILE NO. OSC-466, PROBLEM NO. 2-07-02, SHTS. 1 OF 3, & 3 OF 3. SYSTEM 07A.

**CATEGORY F-A, Supports (Category B)**

DUKE POWER COMPANY  
 QUALITY ASSURANCE TECHNICAL SERVICES  
 Inservice Inspection Database Management System  
 Oconee Unit 2

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

**Inservice Inspection Plan for Interval 3 Outage 3**

ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK CAL BLOCKS	COMMENTS
F01.031.020	2-56-SR31 Rigid restraint	0-1439E OFD-104A-1.1	QAL-14	VT-3	NA	8.000 0.750	Calclaton No. OS-421 Page 97; Problem No.4-56-02 Spent Fuel Cooling System 56
<b>Total F01.031 Items:</b>		<b>4</b>					
F01.032.001	2-01A-H8 Spring hanger	4-0-1403D OFD-122A-2.4	QAL-14	VT-3	NA	6.000 0.000	FILE NO. OSC-445, PROBLEM NO. 2-01-6, SHT 1 OF 4. STEAM SUPPLY TO EFWP.
F01.032.010	2-56-H13 Spring hanger	4-0-437B OFD-104A-1.1	QAL-15	VT-3	NA	8.000 0.000	Calclaton No. OS-421 Page 96.1; Problem No.4-56-02 Spent Fuel Cooling System 56
<b>Total F01.032 Items:</b>		<b>2</b>					

**CATEGORY F-A, Supports**

DUKE POWER COMPANY  
 QUALITY ASSURANCE TECHNICAL SERVICES  
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Clearances of Guides & Stops, Align of Supps,  
 Assembly of Supp Items

**Inservice Inspection Plan for Interval 3 Outage 3**

ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
F01.040.004	2-LDCB-SUPPORT	1-34097-2 OM-201-3107 OFD-101A-2.1	QAL-14	VT-3	CS	0.000 0.000		2B Letdown Cooler Supports. Class C. Pc. 12 to Casing Shell Pc. 8
F01.040.007	2-SSF-ACC-SUPPORT	OM-231-0013 OFD-101A-2.5	QAL-14	VT-3	SS	0.000 0.000		SSF Make-up Accumulator. Cl. B
F01.040.009	2-EFDW-MD-PU-A	OM-206-0036 OFD-121D-2.1	QAL-14	VT-3	NA	0.000 0.000		Emergency Feedwater Motor Driven Pump 2A. Pump Support & Pad. Class C
F01.040.011	2-EFDW-TD-PU	OM-206A-0001 OFD-121D-2.1	QAL-14	VT-3	NA	0.000 0.000		Emergency Feedwater Turbine Driven Pump. Pump Support & Pad. Class C
Total F01.040 Items:								4
Total Category F-A Items:								36





**CATEGORY AUG. Augmented Inspections**

**DUKE POWER COMPANY  
QUALITY ASSURANCE TECHNICAL SERVICES  
Inservice Inspection Database Management System  
Oconee Unit 2**

**Inservice Inspection Plan for Interval 3 Outage 3**

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ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
G04.001.001	2-51A-39-90C Circumferential	2-51A-39(3) OFD-101A-2.4	NDE-600	UT	SS	2.500 0.375	TBD	Inspect 100% of weld & 1" of base material (axial & circumferential). Reference Section 7 Paragraph 7.1.4 of ISI Plan - Volume 1.  Pipe to Safe-End
G04.001.002	2-51A-39-90B Circumferential	2-51A-39(3) OFD-101A-2.4	NDE-600	UT	SS	2.500 0.375	TBD	Inspect 100% of weld & 1" of base material (axial & circumferential). Reference Section 7 Paragraph 7.1.4 of ISI Plan - Volume 1.  Pipe to Pipe
G04.001.003	2-51A-39-91 Circumferential	2-51A-39(3) OFD-101A-2.4	NDE-600	UT	SS	2.500 0.375	TBD	Inspect 100% of weld & 1" of base material (axial & circumferential). Reference Section 7 Paragraph 7.1.4 of ISI Plan - Volume 1.  Pipe to Valve (2HP-153)
G04.001.004	2-51A-39-92A Circumferential	2-51A-39(3) OFD-101A-2.4	NDE-600	UT	SS	2.500 0.375	TBD	Inspect 100% of weld & 1" of base material (axial & circumferential). Reference Section 7 Paragraph 7.1.4 of ISI Plan - Volume 1.  Pipe to Safe-End
G04.001.005	2-51A-39-92B Circumferential	2-51A-39(3) OFD-101A-2.4	NDE-600	UT	SS	2.500 0.375	TBD	Inspect 100% of weld & 1" of base material (axial & circumferential). Reference Section 7 Paragraph 7.1.4 of ISI Plan - Volume 1.  Pipe to Pipe
G04.001.006	2-51A-39-93 Circumferential	2-51A-39(3) OFD-101A-2.4	NDE-600	UT	SS	2.500 0.375	TBD	Inspect 100% of weld & 1" of base material (axial & circumferential). Reference Section 7 Paragraph 7.1.4 of ISI Plan - Volume 1.  Pipe to Valve (2HP-152)
G04.001.007	2-51A-27-73 Circumferential	2-51A-27(2) OFD-101A-2.4	NDE-600	UT	SS	2.500 0.375	TBD	Inspect 100% of weld & 1" of base material (axial & circumferential). Reference Section 7 Paragraph 7.1.4 of ISI Plan - Volume 1.  Elbow to Pipe
G04.001.008	2-51A-27-81 Circumferential	2-51A-27(2) OFD-101A-2.4	NDE-600	UT	SS	2.500 0.375	TBD	Inspect 100% of weld & 1" of base material (axial & circumferential). Reference Section 7 Paragraph 7.1.4 of ISI Plan - Volume 1.  Elbow to Pipe
G04.001.009	2-51A-27-82 Circumferential	2-51A-27(2) OFD-101A-2.4	NDE-600	UT	SS	2.500 0.375	TBD	Inspect 100% of weld & 1" of base material (axial & circumferential). Reference Section 7 Paragraph 7.1.4 of ISI Plan - Volume 1.  Pipe to Valve ( 2HP-152)
G04.001.010	2-51A-27-108 Circumferential	2-51A-27(3) OFD-101A-2.4	NDE-600	UT	SS	2.500 0.375	TBD	Inspect 100% of weld & 1" of base material (axial & circumferential). Reference Section 7 Paragraph 7.1.4 of ISI Plan - Volume 1.  Pipe to Elbow

**CATEGORY AUG, Augmented Inspections**

DUKE POWER COMPANY  
 QUALITY ASSURANCE TECHNICAL SERVICES  
 Inservice Inspection Database Management System  
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**Inservice Inspection Plan for Interval 3 Outage 3**

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ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK CAL BLOCKS	COMMENTS
G04.001.011	2-51A-27-110 Circumferential	2-51A-27(3) OFD-101A-2.4	NDE-600	UT	SS	2.500 TBD 0.375	Inspect 100% of weld & 1" of base material (axial & circumferential). Reference Section 7 Paragraph 7.1.4 of ISI Plan - Volume 1.  Elbow to Pipe
G04.001.012	2-51A-27-111 Circumferential	2-51A-27(3) OFD-101A-2.4	NDE-600	UT	SS	2.500 TBD 0.375	Inspect 100% of weld & 1" of base material (axial & circumferential). Reference Section 7 Paragraph 7.1.4 of ISI Plan - Volume 1.  Pipe to Valve ( 2HP-153)

Total G04.001 Items: 12

Total Category AUG Items: 12

**CATEGORY AUG, Augmented Inspections**

DUKE POWER COMPANY  
 QUALITY ASSURANCE TECHNICAL SERVICES  
 Inservice Inspection Database Management System  
 Oconee Unit 2

Plan Report  
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**Inservice Inspection Plan for Interval 3 Outage 3**

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

ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
G09.001.001	2-14B-250-2 Circumferential	2-14B-250 OFD-124B-2.2	NDE-35	PT	SS	8.000 0.322		Non-Legitimate Weld in Inspection Category C-F-1. Reference Section 7, Paragraph 7.1.9 in ISI Plan - Volume 1.  Pipe to Elbow
G09.001.012	2-53B-19-58 Circumferential	2-53B-19(3) OFD-102A-2.2	NDE-35	PT	SS	10.000 0.250		Non-Legitimate Weld in Inspection Category C-F-1. Reference Section 7, Paragraph 7.1.9 in ISI Plan - Volume 1.  Pipe to Valve (2LP-10)
G09.001.024	2-53B-28-44 Circumferential	2-53B-28(2) OFD-102A-2.2	NDE-35	PT	SS	6.000 0.134		Non-Legitimate Weld in Inspection Category C-F-1. Reference Section 7, Paragraph 7.1.9 in ISI Plan - Volume 1.  Elbow to Reducer
G09.001.031	2-53B-31-5 Circumferential	2-53B-31(4) OFD-102A-2.2	NDE-35	PT	SS	10.000 0.165		Non-Legitimate Weld in Inspection Category C-F-1. Reference Section 7, Paragraph 7.1.9 in ISI Plan - Volume 1.  Pipe to Elbow
G09.001.037	2-54A-8-2 Circumferential	2-54A-8 (1) OFD-103A-2.1	NDE-35	PT	SS	8.000 0.250		Non-Legitimate Weld in Inspection Category C-F-1. Reference Section 7, Paragraph 7.1.9 in ISI Plan - Volume 1.  Elbow to Pipe
G09.001.038	2-54A-8-9 Circumferential	2-54A-8 (1) OFD-103A-2.1	NDE-35	PT	SS	8.000 0.250		Non-Legitimate Weld in Inspection Category C-F-1. Reference Section 7, Paragraph 7.1.9 in ISI Plan - Volume 1.  Pipe to Elbow
G09.001.039	2-54A-8-13 Circumferential	2-54A-8 (1) OFD-103A-2.1	NDE-35	PT	SS	8.000 0.250		Non-Legitimate Weld in Inspection Category C-F-1. Reference Section 7, Paragraph 7.1.9 in ISI Plan - Volume 1.  Pipe to Elbow

Total G09.001 Items: 7

Total Category AUG Items: 7

CATEGORY AUG. Augmented Inspections

DUKE POWER COMPANY  
 QUALITY ASSURANCE TECHNICAL SERVICES  
 Inservice Inspection Database Management System  
 Oconee Unit 2

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Inservice Inspection Plan for Interval 3 Outage 3

Class 1 RTE Mounting Bosses

ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
G10.001.009	2-PIB1-12 Circumferential	ISI-OCN2-009 OM-1201-1521	NDE-35	PT	CS/Inconel	8.750 2.250		Reference Section 7, Paragraph 7.1.10 in ISI Plan - Volume 1. The diameter of hole that penetrates the nozzle into RCP 2B1 Suction Piping = .613.
G10.001.010	2-PIB2-12 Circumferential	ISI-OCN2-010 OM-1201-1521	NDE-35	PT	CS/Inconel	8.750 2.250		Reference Section 7, Paragraph 7.1.10 in ISI Plan - Volume 1. The diameter of hole that penetrates the nozzle into RCP 2B2 Suction Piping = .613.
Total G10.001 Items:								2
Total Category AUG Items:								2

Duke Power Company  
Quality Assurance Technical Services

Inservice Inspection Plan For:

Oconee Unit 2

Interval 3

ISI Outage 3

Refueling Outage EOC 17

**Pressure Test Listing**

Revision 0

Run Date: March 22, 1994

OCONEE UNIT NUMBER 2  
CLASS A (CATEGORY B-P) REQUIREMENTS  
FOR OUTAGE NUMBER 17

<u>ITEM NO.</u>	<u>DRAWING</u>	<u>REV</u>	<u>TEST</u>	<u>COMP</u>	<u>COMP NAME</u>	<u>REQ. INSP</u>	<u>REQ. PROC</u>	<u>COMMENTS</u>
B15.050.001	SEE COMMENTS	N/A	LEAK	VARIOUS	RC SYSTEM	VT-2	QAL-15	Drawings that make up the Class A Leakage Boundary: OFDL-100A-2.1, OFDL-100A-2.2, OFDL-100A-2.3, OFDL-101A-2.1, OFDL-101A-2.4, OFDL-101A-2.5, OFDL-102A-2.1, OFDL-102A-2.2, OFDL-102A-2.3, OFDL-110A-2.1, OFDL-110A-2.4, OFDL-127B-2.2

OCONEE UNIT NUMBER 2  
CLASS B (CATEGORY C-H) REQUIREMENTS  
FOR OUTAGE NUMBER 17

ITEM NO.	DRAWING	REV	TEST	COMP	COMP NAME	REQ INSP	REQ. PROC	COMMENTS
C07.030.001	OFDL-101A-2.1	00	INS/FUN	VARIOUS	HPI SYSTEM	VT-2	QAL-15	Penetrations 6 and 7
C07.030.002	OFDL-101A-2.2	00	INSER	VARIOUS	HPI SYSTEM	VT-2	QAL-15	
C07.030.003	OFDL-101A-2.3	00	INSER	VARIOUS	HPI SYSTEM	VT-2	QAL-15	
C07.030.004	OFDL-101A-2.4	00	INS/FUN	VARIOUS	HPI SYSTEM	VT-2	QAL-15	Penetrations 8, 9, 10, 23 and 52
C07.030.005	OFDL-101A-2.5	00	INSER	VARIOUS	HPI SYSTEM	VT-2	QAL-15	
C07.030.006	OFDL-102A-2.1	00	INS/FUN	VARIOUS	LPI SYSTEM	VT-2	QAL-15	Penetrations 36, 37 and 62
C07.030.007	OFDL-104A-1.1	00	FUNCT	VARIOUS	SF SYSTEM	VT-2	QAL-15	
C07.030.009	OFDL-102A-2.2	00	INS/FUN	VARIOUS	LPI SYSTEM	VT-2	QAL-15	Penetrations 15 and 16
C07.030.010	OFDL-102A-2.3	00	FUNCT	VARIOUS	LPI SYSTEM	VT-2	QAL-15	Penetrations 39 and 59
C07.030.011	OFDL-103A-2.1	00	FUNCT	VARIOUS	BS SYSTEM	VT-2	QAL-15	
C07.030.012	OFDL-106E-2.1	00	FUNCT	VARIOUS	DW SYSTEM	VT-2	QAL-15	Penetrations 46 and 55
C07.030.013	OFDL-107A-2.1	00	FUNCT	VARIOUS	CS SYSTEM	VT-2	QAL-15	Penetrations 18 and 38
C07.030.014	OFDL-107A-2.2	00	FUNCT	VARIOUS	CS SYSTEM	VT-2	QAL-15	Penetration 29
C07.030.015	OFDL-107B-2.1	00	FUNCT	VARIOUS	LWD SYSTEM	VT-2	QAL-15	Penetration 5
C07.030.016	OFDL-107D-2.2	00	FUNCT	VARIOUS	LWD SYSTEM	VT-2	QAL-15	Penetration 40
C07.030.017	OFDL-110A-2.1	00	FUNCT	VARIOUS	CA SYSTEM	VT-2	QAL-15	Penetrations 2 and 58
C07.030.018	OFDL-110A-2.3	00	FUNCT	VARIOUS	CA SYSTEM	VT-2	QAL-15	Penetrations 24 and 42
C07.030.019	OFDL-110A-2.4	00	FUNCT	VARIOUS	CA SYSTEM	VT-2	QAL-15	
C07.030.020	OFDL-116A-2.1	00	FUNCT	VARIOUS	PR SYSTEM	VT-2	QAL-15	Penetrations 19 and 20
C07.030.021	OFDL-116C-2.1	00	FUNCT	VARIOUS	PR SYSTEM	VT-2	QAL-15	Penetrations 60 and 61

OCONEE UNIT NUMBER 2  
CLASS B (CATEGORY C-H) REQUIREMENTS  
FOR OUTAGE NUMBER 17

ITEM NO.	DRAWING	REV	TEST	COMP	COMP NAME	REQ. INSP	REQ. PROC	COMMENTS
C07.030.022	OFDL-121B-2.3	00	INS/FUN	VARIOUS	FDW SYSTEM	VT-2	QAL-15	Penetrations 25 and 27
C07.030.023	OFDL-121B-2.5	00	FUNCT	VARIOUS	FDW SYSTEM	VT-2	QAL-15	Penetrations 4 and 43
C07.030.024	OFDL-121D-2.1	00	FUNCT	VARIOUS	EFW SYSTEM	VT-2	QAL-15	Penetrations 17 and 50
C07.030.025	OFDL-122A-2.1	00	INSER	VARIOUS	MS SYSTEM	VT-2	QAL-15	Penetrations 26 and 28
C07.030.026	OFDL-122A-2.2	00	INSER	VARIOUS	MS SYSTEM	VT-2	QAL-15	
C07.030.027	OFDL-122A-2.3	00	INSER	VARIOUS	MS SYSTEM	VT-2	QAL-15	
C07.030.028	OFDL-122A-2.4	00	INSER	VARIOUS	MS SYSTEM	VT-2	QAL-15	
C07.030.029	OFDL-122B-2.1	00	INSER	VARIOUS	MS SYSTEM	VT-2	QAL-15	
C07.030.030	OFDL-124B-2.2	00	FUNCT	VARIOUS	LPSW SYSTEM	VT-2	QAL-15	Penetrations 30, 31, 32, 33, 34 and 35
C07.030.031	OFDL-124B-2.4	00	INSER	VARIOUS	LPSW SYSTEM	VT-2	QAL-15	Penetrations 21 and 22
C07.030.032	OFDL-127B-2.2	00	FUNCT	VARIOUS	N SYSTEM	VT-2	QAL-15	Penetrations 39 and 53
C07.030.034	OFDL-137A-2.3	00	INSER	VARIOUS	BA SYSTEM	VT-2	QAL-15	Penetration 48
C07.030.035	OFDL-137B-1.2	01	FUNCT	VARIOUS	IA SYSTEM	VT-2	QAL-15	Penetration 41
C07.030.036	OFDL-137E-1.1	01	FUNCT	VARIOUS	LRT SYSTEM	VT-2	QAL-15	Penetrations 45 and 51
C07.030.037	OFDL-144A-2.2	00	FUNCT	VARIOUS	CC SYSTEM	VT-2	QAL-15	Penetrations 3 and 54
C07.030.038	OFDL-144A-2.3	00	FUNCT	VARIOUS	CC SYSTEM	VT-2	QAL-15	Penetration 44
C07.040.002	OFDH-101A-2.2	00	HYDRO	VARIOUS	HPI SYSTEM	VT-2	QAL-15	
C07.040.003	OFDH-101A-2.3	00	HYDRO	VARIOUS	HPI SYSTEM	VT-2	QAL-15	
C07.040.006	OFDH-102A-2.1	00	HYDRO	VARIOUS	LPI SYSTEM	VT-2	QAL-15	Penetrations 36, 37 and 62
C07.040.008	OFDH-104A-1.2	01	HYDRO	VARIOUS	SF SYSTEM	VT-2	QAL-15	



OCONEE UNIT NUMBER 2  
CLASS B (CATEGORY C-H) REQUIREMENTS  
FOR OUTAGE NUMBER 17

<u>ITEM NO.</u>	<u>DRAWING</u>	<u>REV</u>	<u>TEST</u>	<u>COMP</u>	<u>COMP NAME</u>	<u>REQ. INSP</u>	<u>REQ. PROC</u>	<u>COMMENTS</u>
C07.040.009	OPDH-102A-2.2	00	HYDRO	VARIOUS	LPI SYSTEM	VT-2	QAL-15	Penetrations 15 and 16

OCONEE UNIT NUMBER 2  
CLASS C (CATEGORY D-A) REQUIREMENTS  
FOR OUTAGE NUMBER 17

ITEM NO.	DRAWING	REV	TEST	COMP	COMP NAME	REQ. INSP	REQ. PROC	COMMENTS
D01.011.001	OFDL-100A-2.3	00	INSER	VARIOUS	RC SYSTEM	VT-2	QAL-15	
D01.011.002	OFDL-101A-2.1	00	INSER	VARIOUS	HPI SYSTEM	VT-2	QAL-15	
D01.011.003	OFDL-101A-2.2	00	INSER	VARIOUS	HPI SYSTEM	VT-2	QAL-15	
D01.011.004	OFDL-101A-2.3	00	INSER	VARIOUS	HPI SYSTEM	VT-2	QAL-15	
D01.011.005	OFDL-101A-2.4	00	INSER	VARIOUS	HPI SYSTEM	VT-2	QAL-15	
D01.011.006	OFDL-101A-2.5	00	INSER	VARIOUS	HPI SYSTEM	VT-2	QAL-15	
D01.011.007	OFDL-102A-2.1	00	INSER	VARIOUS	LPI SYSTEM	VT-2	QAL-15	
D01.011.008	OFDL-109A-1.1	00	INSER	VARIOUS	HP SYSTEM	VT-2	QAL-15	
D01.011.009	OFDL-102A-2.2	00	INSER	VARIOUS	LPI SYSTEM	VT-2	QAL-15	
D01.011.010	OFDL-106A-2.2	00	INSER	VARIOUS	CT SYSTEM	VT-2	QAL-15	
D01.011.011	OFDL-110A-2.1	00	INSER	VARIOUS	CA SYSTEM	VT-2	QAL-15	
D01.011.012	OFDL-110A-2.4	00	INSER	VARIOUS	CA SYSTEM	VT-2	QAL-15	
D01.011.013	OFDL-144A-2.2	00	INSER	VARIOUS	CC SYSTEM	VT-2	QAL-15	

OCONEE UNIT NUMBER 2  
CLASS C (CATEGORY D-B) REQUIREMENTS  
FOR OUTAGE NUMBER 17

ITEM NO.	DRAWING	REV	TEST	COMP	COMP NAME	REQ. INSP	REQ. PROC	COMMENTS
D02.011.002	OFDL-121A-1.8	02	FUNCT	VARIOUS	C SYSTEM	VT-2	QAL-15	
D02.011.003	OFDL-121A-2.3	00	FUNCT	VARIOUS	C SYSTEM	VT-2	QAL-15	
D02.011.004	OFDL-121A-2.7	00	FUNCT	VARIOUS	C SYSTEM	VT-2	QAL-15	
D02.011.005	OFDL-121A-2.8	00	FUNCT	VARIOUS	C SYSTEM	VT-2	QAL-15	
D02.011.006	OFDH-121B-2.3	00	FUNCT	VARIOUS	FDW SYSTEM	VT-2	QAL-15	
D02.011.007	OFDL-121B-2.5	00	FUNCT	VARIOUS	FDW SYSTEM	VT-2	QAL-15	
D02.011.009	OFDL-121D-2.1	00	FUNCT	VARIOUS	EFW SYSTEM	VT-2	QAL-15	
D02.011.011	OFDL-121D-1.2	02	FUNCT	VARIOUS	EFW SYSTEM	VT-2	QAL-15	
D02.011.012	OFDL-122A-2.4	00	FUNCT	VARIOUS	MS SYSTEM	VT-2	QAL-15	
D02.011.013	OFDL-124A-1.1	02	FUNCT	VARIOUS	LPSW SYSTEM	VT-2	QAL-15	
D02.011.014	OFDL-124A-2.3	00	FUNCT	VARIOUS	LPSW SYSTEM	VT-2	QAL-15	
D02.011.015	OFDL-124B-2.1	01	FUNCT	VARIOUS	LPSW SYSTEM	VT-2	QAL-15	
D02.011.016	OFDL-124B-2.2	00	FUNCT	VARIOUS	LPSW SYSTEM	VT-2	QAL-15	
D02.011.017	OFDL-124B-2.4	00	FUNCT	VARIOUS	LPSW SYSTEM	VT-2	QAL-15	
D02.011.018	OFDL-133A-2.1	01	FUNCT	VARIOUS	CCW SYSTEM	VT-2	QAL-15	
D02.011.019	OFDL-133A-2.2	01	FUNCT	VARIOUS	CCW SYSTEM	VT-2	QAL-15	
D02.011.020	OFDL-124C-2.2	00	FUNCT	VARIOUS	CCW SYSTEM	VT-2	QAL-15	
D02.011.021	OFDL-133A-2.3	00	FUNCT	VARIOUS	CCW SYSTEM	VT-2	QAL-15	
D02.011.022	OFDL-133A-2.5	01	FUNCT	VARIOUS	CCW SYSTEM	VT-2	QAL-15	
D02.011.023	OFDL-135A-1.2	00	FUNCT	VARIOUS	FO SYSTEM	VT-2	QAL-15	This is a unit 1 system tested as a unit 2 component.

OCONEE UNIT NUMBER 2  
CLASS C (CATEGORY D-B) REQUIREMENTS  
FOR OUTAGE NUMBER 17

<u>ITEM NO.</u>	<u>DRAWING</u>	<u>REV</u>	<u>TEST</u>	<u>COMP</u>	<u>COMP NAME</u>	<u>REQ. INSP</u>	<u>REQ. PROC</u>	<u>COMMENTS</u>
D02.011.024	OFDL-135B-1.4	00	FUNCT	VARIOUS	DLO SYSTEM	VT-2	QAL-15	This is a Unit 1 drawing but is examined as a Unit 2 component.

Duke Power Company  
Quality Assurance Technical Services

Inservice Inspection Plan For:

Oconee Unit 2

Interval 3

ISI Outage 4

Refueling Outage EOC 18

**ISI Inspection Listing**

Revision 0

Run Date: May 11, 1994

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

DUKE POWER COMPANY  
 QUALITY ASSURANCE TECHNICAL SERVICES  
 Inservice Inspection Database Management System  
 Oconee Unit 2  
 Inservice Inspection Plan for Interval 3 Outage 4

Plan Report  
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Pressurizer

ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIATHK	CAL BLOCKS	COMMENTS
<b>**** Shell-to-Head Welds; Circumferential ****</b>								
B02.011.002	2-PZR-WP28	ISI-OCN2-002	NDE-620	UT	CS	84.000	40394	Pressurizer Lower Head Pc. 6 to Heater Belt Shell Pc. 4 and Lower Heater Belt Forging Pc. 40.
	Circumferential	OM-1201-456	NDE-640			4.750		
Head to Heater Belt Shell								
Total B02.011 Items:		1						
<b>**** Shell-to-Head Welds; Longitudinal ****</b>								
B02.012.002	2-PZR-WP7-1	ISI-OCN2-002	NDE-620	UT	CS	0.000	40338	Pressurizer Heater Belt Shell Pc. 4 to Lower Heater Belt Forging Pc. 40 and Upper Heater Belt Forging Pc.41 (Y-Z Quadrant).
	Longitudinal	OM-1201-456	NDE-640			6.188		
Shell to Heater Belt Forging								
B02.012.003	2-PZR-WP7-2	ISI-OCN2-002	NDE-620	UT	CS	0.000	40338	Pressurizer Heater Belt Shell Pc. 4 to Lower Heater Belt Forging Pc. 40 and Upper Heater Belt Forging Pc.41 (W-X Quadrant).
	Longitudinal	OM-1201-456	NDE-640			6.188		
Shell to Heater Belt Forging								
Total B02.012 Items:		2						
Total Category B-B Items:		3						

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

**Pressurizer**

DUKE POWER COMPANY  
QUALITY ASSURANCE TECHNICAL SERVICES  
Inservice Inspection Database Management System  
Oconee Unit 2

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**Inservice Inspection Plan for Interval 3 Outage 4**

ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
<b>**** Nozzle-to-Vessel Welds ****</b>								
B03.110.009	2-PZR-WP26-1 Circumferential	ISI-OCN2-002 OM-1201-456 B&W149771E	NDE-620 NDE-640	UT Nozzle to Shell	CS	5.750 6.187	40395	Pressurizer Sensing Nozzle Pc.30 to Shell Pc. 04 Between W & X Axis.
B03.110.010	2-PZR-WP26-2 Circumferential	ISI-OCN2-002 OM-1201-456 B&W149771E	NDE-620 NDE-640	UT Nozzle to Shell	CS	5.750 6.187	40395	Pressurizer Sensing Nozzle Pc.30 to Shell Pc. 04 Between Y & Z Axis.
B03.110.011	2-PZR-WP26-3 Circumferential	ISI-OCN2-002 OM-1201-456 B&W149771E	NDE-620 NDE-640	UT Nozzle to Shell	CS	5.750 6.187	40395	Pressurizer Sensing Nozzle Pc.30 to Shell Pc. 04 (47 Degrees off W- Axis).
B03.110.012	2-PZR-WP26-7 Circumferential	ISI-OCN2-002 OM-1201-456	NDE-620 NDE-640	UT Nozzle to Shell	CS	5.750 6.187	40395	Pressurizer Sampling Nozzle Pc.30 to Shell Pc. 04 (40 Degrees off W-Axis).
<b>Total B03.110 Items:</b>		<b>4</b>						

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

DUKE POWER COMPANY  
 QUALITY ASSURANCE TECHNICAL SERVICES  
 Inservice Inspection Database Management System  
 Oconee Unit 2  
 Inservice Inspection Plan for Interval 3 Outage 4

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Pressurizer

ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
**** Nozzle Inside Radius Section ****								
B03.120.009	2-PZR-WP26-1	ISI-OCN2-002 OM-1201-456 B&W149771E	NDE-680	UT	CS	5.750 40395 2.531		Pressurizer Sensing Nozzle Pc. 30 Between W & X Axis (Inside Radius Section). Nozzle to Shell
B03.120.010	2-PZR-WP26-2	ISI-OCN2-002 OM-1201-456 B&W149771E	NDE-680	UT	CS	5.750 40395 2.531		Pressurizer Sensing Nozzle Pc. 30 Between Y & Z Axis (Inside Radius Section). Nozzle to Shell
B03.120.011	2-PZR-WP26-3	ISI-OCN2-002 OM-1201-456 B&W149771E	NDE-680	UT	CS	5.750 40395 2.531		Pressurizer Sensing Nozzle Pc. 30. 47 Degrees off W- Axis. (Inside Radius Section) Nozzle to Shell
B03.120.012	2-PZR-WP26-7	ISI-OCN2-002 OM-1201-456 B&W149771E	NDE-680	UT	CS	5.750 40395 2.531		Pressurizer Sampling Nozzle Pc. 30. 40 Degrees off W- Axis (Inside Radius Section). Nozzle to Shell
Total B03.120 Items:		4						



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

DUKE POWER COMPANY  
QUALITY ASSURANCE TECHNICAL SERVICES  
Inservice Inspection Database Management System  
Oconee Unit 2

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**Inservice Inspection Plan for Interval 3 Outage 4**

**Steam Generators (Primary Side)**

ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
<b>.... Nozzle-to-Vessel Welds ....</b>								
B03.130.005	2-SGA-WG25	ISI-OCN2-003	NDE-620	UT	CS	48.630	40393	Steam Generator 2A Inlet Nozzle Pc. 70 to Upper Head
	Circumferential	OM-1201-450	NDE-640				8.000	Pc. 8.
		B&W103213D		Nozzles to Head				

**Total B03.130 Items: 1**

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

Steam Generators (Primary Side)

DUKE POWER COMPANY  
 QUALITY ASSURANCE TECHNICAL SERVICES  
 Inservice Inspection Database Management System  
 Oconee Unit 2  
 Inservice Inspection Plan for Interval 3 Outage 4

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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 ****								
B03.140.005	2-SGA-WG25	ISI-OCN2-003 OM-1201-450 B&W103213D	NDE-680	UT	CS	48.630	40393 8.000	Steam Generator 2A Inlet Nozzle Pc.70. (Inside Radius Section)
				Nozzle to Upper Head				

Total B03.140 Items: 1

Total Category B-D Items: 10

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

**Pressurizer**

DUKE POWER COMPANY  
QUALITY ASSURANCE TECHNICAL SERVICES  
Inservice Inspection Database Management System  
Oconee Unit 2

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**Inservice Inspection Plan for Interval 3 Outage 4**

ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
<b>**** Less Than NPS 4; Nozzle-to-Safe End Butt Welds ****</b>								
B05.050.001	2-PZR-WP91-1 Circumferential	ISI-OCN2-002 OM-1201-1526	NDE-35	PT	SS/CS	2.500 0.375		Pressurizer Relief Nozzle Pc. 31 to Safe-End Pc. 32 W-X Axis.
B05.050.002	2-PZR-WP91-2 Circumferential	ISI-OCN2-002 OM-1201-1526	NDE-35	PT	SS/CS	2.500 0.375		Pressurizer Relief Nozzle Pc. 31 to Safe-End Pc. 32 W-X Axis.
B05.050.003	2-PZR-WP91-3 Circumferential	ISI-OCN2-002 OM-1201-1526	NDE-35	PT	SS/CS	2.500 0.375		Pressurizer Relief Nozzle Pc. 31 to Safe-End Pc. 32 Z-W Axis.
<b>Total B05.050 Items:</b>		<b>3</b>						

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

**DUKE POWER COMPANY  
QUALITY ASSURANCE TECHNICAL SERVICES  
Inservice Inspection Database Management System  
Oconee Unit 2  
Inservice Inspection Plan for Interval 3 Outage 4**

Piping

ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
<b>**** NPS 4 or Larger; Dissimilar Metal Butt Welds ****</b>								
B05.130.003	2-PDA2-2	ISI-OCN2-012 OM-1201-955	NDE-610	UT	SS/CS	33.500	40350 2.330	UT from elbow side Elbow (Pc. 53) to Safe-End (Pc. 49)
B05.130.003A	2-PDA2-2	ISI-OCN2-012 OM-1201-966	NDE-610	UT	SS/CS	33.500	40397 2.330	UT from safe-end side Elbow (Pc. 53) to Safe-End (Pc. 49)
B05.130.003B	2-PDA2-2	ISI-OCN2-012 OM-1201-966	NDE-35	PT	SS/CS	33.500	2.330	Elbow (Pc. 53) to Safe-End (Pc. 49)
B05.130.005	2-PDB2-2	ISI-OCN2-014 OM-1201-966	NDE-610	UT	SS/CS	33.500	40350 2.330	UT from elbow side Elbow (Pc. 53) to Safe-End (Pc. 49)
B05.130.005A	2-PDB2-2	ISI-OCN2-014 OM-1201-966	NDE-610	UT	SS/CS	33.500	40397 2.330	UT from safe-end side Elbow (Pc. 53) to Safe-End (Pc. 49)
B05.130.005B	2-PDB2-2	ISI-OCN2-014 OM-1201-966	NDE-35	PT	SS/CS	33.500	2.330	Elbow (Pc. 53) to Safe-End (Pc. 49)
<b>Total B05.130 Items:</b>		<b>6</b>						

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

DUKE POWER COMPANY  
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**Piping**

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

B05.140.012	2-51A-35-15A	2-51A-35 (1) OFD-101A-2.1	NDE-35	PT	SS/Inconel	2.500 0.375		Pipe that goes to Pump 2B1 Elbow to Pipe
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Total B05.140 Items: 1

Total Category B-F Items: 10

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

DUKE POWER COMPANY  
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Reactor Vessel

ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIATHK	CAL	BLOCKS	COMMENTS
**** Closure Head Nuts ****									
B06.010.002	2-RPV-26-204-02	OM-1201-4 B&W152009E	NDE-25	MT	CS	9.250 1.300			Reactor Vessel Closure Nut Pc. 26.
B06.010.003	2-RPV-26-204-03	OM-1201-4 B&W152009E	NDE-25	MT	CS	9.250 1.300			Reactor Vessel Closure Nut Pc. 26.
B06.010.004	2-RPV-26-204-04	OM-1201-4 B&W152009E	NDE-25	MT	CS	9.250 1.300			Reactor Vessel Closure Nut Pc. 26.
B06.010.005	2-RPV-26-204-05	OM-1201-4 B&W152009E	NDE-25	MT	CS	9.250 1.300			Reactor Vessel Closure Nut Pc. 26.
B06.010.006	2-RPV-26-204-06	OM-1201-4 B&W152009E	NDE-25	MT	CS	9.250 1.300			Reactor Vessel Closure Nut Pc. 26.
B06.010.007	2-RPV-26-204-07	OM-1201-4 B&W152009E	NDE-25	MT	CS	9.250 1.300			Reactor Vessel Closure Nut Pc. 26.
B06.010.008	2-RPV-26-204-08	OM-1201-4 B&W152009E	NDE-25	MT	CS	9.250 1.300			Reactor Vessel Closure Nut Pc. 26.
B06.010.009	2-RPV-26-204-09	OM-1201-4 B&W152009E	NDE-25	MT	CS	9.250 1.300			Reactor Vessel Closure Nut Pc. 26.
B06.010.010	2-RPV-26-204-10	OM-1201-4 B&W152009E	NDE-25	MT	CS	9.250 1.300			Reactor Vessel Closure Nut Pc. 26.
B06.010.011	2-RPV-26-204-11	OM-1201-4 B&W152009E	NDE-25	MT	CS	9.250 1.300			Reactor Vessel Closure Nut Pc. 26.

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

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**Inservice Inspection Plan for Interval 3 Outage 4**

Reactor Vessel

ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
B06.010.012	2-RPV-26-204-12	OM-1201-4 B&W152009E	NDE-25	MT	CS	9.250 1.300		Reactor Vessel Closure Nut Pc. 26.
B06.010.013	2-RPV-26-204-13	OM-1201-4 B&W152009E	NDE-25	MT	CS	9.250 1.300		Reactor Vessel Closure Nut Pc. 26.
B06.010.014	2-RPV-26-204-14	OM-1201-4 B&W152009E	NDE-25	MT	CS	9.250 1.300		Reactor Vessel Closure Nut Pc. 26.
B06.010.015	2-RPV-26-204-15	OM-1201-4 B&W152009E	NDE-25	MT	CS	9.250 1.300		Reactor Vessel Closure Nut Pc. 26.
B06.010.020	2-RPV-26-204-20	OM-1201-4 B&W152009E	NDE-25	MT	CS	9.250 1.300		Reactor Vessel Closure Nut Pc. 26.
B06.010.021	2-RPV-26-204-21	OM-1201-4 B&W152009E	NDE-25	MT	CS	9.250 1.300		Reactor Vessel Closure Nut Pc. 26.
<b>Total B06.010 Items:</b>		<b>16</b>						

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

**DUKE POWER COMPANY  
QUALITY ASSURANCE TECHNICAL SERVICES  
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Reactor Vessel

ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
**** Closure Studs, when removed ****								
B06.030.002	2-RPV-25-204-02	OM-1201-4 B&W152009E	NDE-942	UT	CS	6.500 0.000	TBD	Reactor Vessel Closure Studs - Removed; Pc. 25. Stud Length = 63.250.
B06.030.002A	2-RPV-25-204-02	OM-1201-4 B&W152009E	NDE-25	MT	CS	6.500 0.000		Reactor Vessel Closure Studs - Removed; Pc. 25. Stud Length = 63.250.
B06.030.003	2-RPV-25-204-03	OM-1201-4 B&W152009E	NDE-942	UT	CS	6.500 0.000	TBD	Reactor Vessel Closure Studs - Removed; Pc. 25. Stud Length = 63.250.
B06.030.003A	2-RPV-25-204-03	OM-1201-4 B&W152009E	NDE-25	MT	CS	6.500 0.000		Reactor Vessel Closure Studs - Removed; Pc. 25. Stud Length = 63.250.
B06.030.004	2-RPV-25-204-64	OM-1201-4 B&W152009E	NDE-942	UT	CS	6.500 0.000	TBD	Reactor Vessel Closure Studs - Removed; Pc. 25. Stud Length = 63.250.
B06.030.004A	2-RPV-25-204-64	OM-1201-4 B&W152009E	NDE-25	MT	CS	6.500 0.000		Reactor Vessel Closure Studs - Removed; Pc. 25. Stud Length = 63.250.
B06.030.005	2-RPV-25-204-05	OM-1201-4 B&W152009E	NDE-942	UT	CS	6.500 0.000	TBD	Reactor Vessel Closure Studs - Removed; Pc. 25. Stud Length = 63.250.
B06.030.005A	2-RPV-25-204-05	OM-1201-4 B&W152009E	NDE-25	MT	CS	6.500 0.000		Reactor Vessel Closure Studs - Removed; Pc. 25. Stud Length = 63.250.
B06.030.006	2-RPV-25-204-06	OM-1201-4 B&W152009E	NDE-942	UT	CS	6.500 0.000	TBD	Reactor Vessel Closure Studs - Removed; Pc. 25. Stud Length = 63.250.
B06.030.006A	2-RPV-25-204-06	OM-1201-4 B&W152009E	NDE-25	MT	CS	6.500 0.000		Reactor Vessel Closure Studs - Removed; Pc. 25. Stud Length = 63.250.



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

**DUKE POWER COMPANY  
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**Inservice Inspection Plan for Interval 3 Outage 4**

Reactor Vessel

ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIATHK CAL	BLOCKS	COMMENTS
B06.030.007	2-RPV-25-204-07	OM-1201-4 B&W152009E	NDE-942	UT	CS	6.500 0.000	TBD	Reactor Vessel Closure Studs - Removed; Pc. 25. Stud Length = 63.250.
B06.030.007A	2-RPV-25-204-07	OM-1201-4 B&W152009E	NDE-25	MT	CS	6.500 0.000		Reactor Vessel Closure Studs - Removed; Pc. 25. Stud Length = 63.250.
B06.030.008	2-RPV-25-204-08	OM-1201-4 B&W152009E	NDE-942	UT	CS	6.500 0.000	TBD	Reactor Vessel Closure Studs - Removed; Pc. 25. Stud Length = 63.250.
B06.030.008A	2-RPV-25-204-08	OM-1201-4 B&W152009E	NDE-25	MT	CS	6.500 0.000		Reactor Vessel Closure Studs - Removed; Pc. 25. Stud Length = 63.250.
B06.030.009	2-RPV-25-204-09	OM-1201-4 B&W152009E	NDE-942	UT	CS	6.500 0.000	TBD	Reactor Vessel Closure Studs - Removed; Pc. 25. Stud Length = 63.250.
B06.030.009A	2-RPV-25-204-09	OM-1201-4 B&W152009E	NDE-25	MT	CS	6.500 0.000		Reactor Vessel Closure Studs - Removed; Pc. 25. Stud Length = 63.250.
B06.030.010	2-RPV-25-204-10	OM-1201-4 B&W152009E	NDE-942	UT	CS	6.500 0.000	TBD	Reactor Vessel Closure Studs - Removed; Pc. 25. Stud Length = 63.250.
B06.030.010A	2-RPV-25-204-10	OM-1201-4 B&W152009E	NDE-25	MT	CS	6.500 0.000		Reactor Vessel Closure Studs - Removed; Pc. 25. Stud Length = 63.250.
B06.030.011	2-RPV-25-204-11	OM-1201-4 B&W152009E	NDE-942	UT	CS	6.500 0.000	TBD	Reactor Vessel Closure Studs - Removed; Pc. 25. Stud Length = 63.250.
B06.030.011A	2-RPV-25-204-11	OM-1201-4 B&W152009E	NDE-25	MT	CS	6.500 0.000		Reactor Vessel Closure Studs - Removed; Pc. 25. Stud Length = 63.250.

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

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**Inservice Inspection Plan for Interval 3 Outage 4**

Reactor Vessel

ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
B06.030.012	2-RPV-25-204-12	OM-1201-4 B&W152009E	NDE-942	UT	CS	6.500 0.000	TBD	Reactor Vessel Closure Studs - Removed; Pc. 25. Stud Length = 63.250.
B06.030.012A	2-RPV-25-204-12	OM-1201-4 B&W152009E	NDE-25	MT	CS	6.500 0.000		Reactor Vessel Closure Studs - Removed; Pc. 25. Stud Length = 63.250.
B06.030.013	2-RPV-25-204-13	OM-1201-4 B&W152009E	NDE-942	UT	CS	6.500 0.000	TBD	Reactor Vessel Closure Studs - Removed; Pc. 25. Stud Length = 63.250.
B06.030.013A	2-RPV-25-204-13	OM-1201-4 B&W152009E	NDE-25	MT	CS	6.500 0.000		Reactor Vessel Closure Studs - Removed; Pc. 25. Stud Length = 63.250.
B06.030.014	2-RPV-25-204-14	OM-1201-4 B&W152009E	NDE-942	UT	CS	6.500 0.000	TBD	Reactor Vessel Closure Studs - Removed; Pc. 25. Stud Length = 63.250.
B06.030.014A	2-RPV-25-204-14	OM-1201-4 B&W152009E	NDE-25	MT	CS	6.500 0.000		Reactor Vessel Closure Studs - Removed; Pc. 25. Stud Length = 63.250.
B06.030.020	2-RPV-25-204-20	OM-1201-4 B&W152009E	NDE-942	UT	CS	6.500 0.000	TBD	Reactor Vessel Closure Studs - Removed; Pc. 25. Stud Length = 63.250.
B06.030.020A	2-RPV-25-204-20	OM-1201-4 B&W152009E	NDE-25	MT	CS	6.500 0.000		Reactor Vessel Closure Studs - Removed; Pc. 25. Stud Length = 63.250.
B06.030.021	2-RPV-25-204-21	OM-1201-4 B&W152009E	NDE-942	UT	CS	6.500 0.000	TBD	Reactor Vessel Closure Studs - Removed; Pc. 25. Stud Length = 63.250.
B06.030.021A	2-RPV-25-204-21	OM-1201-4 B&W152009E	NDE-25	MT	CS	6.500 0.000		Reactor Vessel Closure Studs - Removed; Pc. 25. Stud Length = 63.250.

Total B06.030 Items: 30

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

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Reactor Vessel

ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
.... Closure Washers, Bushings ....								
B06.050.001B	2-RPV-WASH-BUSH	B&W152009E	QAL-13	VT-1	CS	9.750 0.000		Reactor Vessel Closure Washers and Bushings. Stud Holes 2 Thru 14, 20 & 21.

Total B06.050 Items: 1

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

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Pressurizer

ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
**** Bolts and Studs ****								
B06.060.001	2-PZR-MW-STUDS	B&W149775E	NDE-942	UT	CS	2.750 0.000	TBD	Pressurizer Manway Studs Pc. 67; 12 Studs. Stud Length = 14.875"

Total B06.060 Items: 1

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

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Pressurizer

ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
**** Flange Surface, when connection disassembled ****								
B06.070.001	2-PZR-MW-FLANGE	B&W149762E	QAL-13	VT-1	CS	28.000 0.000		Pressurizer Manway Flange Surface; Includes 1" Annular Surface surrounding each stud. Inspect when connection is disassembled.

Total B06.070 Items: 1

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

DUKE POWER COMPANY  
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Pressurizer

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

Total B06.080 Items: 1

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

**Pumps**

DUKE POWER COMPANY  
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ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
**** Bolts and Studs ****								
B06.180.003	2-RCP-2B1-FB	OM-1201D-0005 OM-1201-1217	NDE-942	UT	CS	3.750 TBD 0.000		Reactor Coolant Pump 2B1 Main Flange Bolts - Pc. 19 (Total 20 Bolts). Length = 32.00"
B06.180.004	2-RCP-2B2-FB	OM-1201D-0005 OM-1201-1217	NDE-942	UT	CS	3.750 TBD 0.000		Reactor Coolant Pump 2B2 Main Flange Bolts - Pc. 19 (Total 20 Bolts). Length = 32.00"
Total B06.180 Items:		2						

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

**Pumps**

DUKE POWER COMPANY  
QUALITY ASSURANCE TECHNICAL SERVICES  
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ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIATHK	CAL BLOCKS	COMMENTS
**** Flange Surface, when connection disassembled ****								
B06.190.001	2-RCP-2A1-FLANGE	OM-1201D-0005 OM-1201-1217	QAL-13	VT-1	SS			Reactor Coolant Pump 2A1 Main Flange Including 1" Annular Surface of Flange surrounding each stud.(Inspect only if disassembled.)
B06.190.002	2-RCP-2A2-FLANGE	OM-1201D-0005 OM-1201-1217	QAL-13	VT-1	SS			Reactor Coolant Pump 2A1 Main Flange Including 1" Annular Surface of Flange surrounding each stud.(Inspect only if disassembled.)
B06.190.003	2-RCP-2B1-FLANGE	OM-1201D-0005 OM-1201-1217	QAL-13	VT-1	SS			Reactor Coolant Pump 2A1 Main Flange Including 1" Annular Surface of Flange surrounding each stud.(Inspect only if disassembled.)
B06.190.004	2-RCP-2B2-FLANGE	OM-1201D-0005 OM-1201-1217	QAL-13	VT-1	SS			Reactor Coolant Pump 2A1 Main Flange Including 1" Annular Surface of Flange surrounding each stud.(Inspect only if disassembled.)

Total B06.190 Items: 4



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

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Pumps

Oconee Unit 2

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ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
**** Nuts, Bushings, and Washers ****								
B06.200.003	2-RCP-2B1-NUTS	OM-1201.D-0057	QAL-13	VT-1	CS	0.000 0.000		Reactor Coolant Pump 2B1 Main Flange; 20 Nuts, Bushings, Washers.
B06.200.004	2-RCP-2B2-NUTS	OM-1201D-0057	QAL-13	VT-1	CS	0.000 0.000		Reactor Coolant Pump 2B2 Main Flange; 20 Nuts, Bushings, Washers.

Total B06.200 Items: 2

Total Category B-G-1 Items: 58

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

Steam Generators

DUKE POWER COMPANY  
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ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
**** Bolts, Studs, and Nuts ****								
B07.030.005	2-SGA-UHIC-BOLT	OM-1201-1477	QAL-13	VT-1	SS	1.000 0.000		Steam Generator 2A Upper Head Inspection Cover Studs & Nuts (Total 12 Studs Pc. 112 and Nuts Pc. 110). Length = 6.000".
B07.030.006	2-SGA-LHIC-BOLT	OM-1201-1477	QAL-13	VT-1	SS	1.000 0.000		Steam Generator 2A Lower Head Inspection Cover Studs & Nuts (Total 12 Studs Pc. 112 and Nuts Pc. 110). Length = 6.000".
Total B07.030 Items:		2						

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

DUKE POWER COMPANY  
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Valves

ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
**** Bolts, Studs, and Nuts ****								
B07.070.006	2-53A-LP48-BOLTS	OM-245-001 OFD-102A-2.2	QAL-13	VT-1	SS	0.000 0.000		Low Pressure Injection fs. Valve LP48 Bolting.
B07.070.007	2-53A-LP1-BOLTS	OM-245-001 OFD-102A-2.1	QAL-13	VT-1	SS	0.000 0.000		Decay Heat Removal Valve LP-1 Bolting.
B07.070.015	2-51A-HP153-BOLTS	OM-246-015 OFD-101A-2.3	QAL-13	VT-1	NA	0.000 0.000		High Pressure Injection Valve HP-153 Valve Bolting.
B07.070.020	2-51A-HP194-BOLTS	OM-245-017 OFD-101A-2.4	QAL-13	VT-1	NA	0.000 0.000		High Pressure Injection Valve HP-194 Valve Bolting.
<b>Total B07.070 Items:</b>		<b>4</b>						

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

**CRD Housings**

DUKE POWER COMPANY  
QUALITY ASSURANCE TECHNICAL SERVICES  
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ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/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 & 60 Inspected to date. (Inspect only if disassembled). Reference Request for Relief ONS-004 and ONS-005.
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 & 60 Inspected to date (Inspect only if disassembled).

Total B07.080 Items: 2

Total Category B-G-2 Items: 8

**CATEGORY B-J, Pressure Retaining Welds  
In Piping**

**NPS 4 or Larger**

DUKE POWER COMPANY  
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ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
**** Circumferential Welds ****								
B09.011.002	2-53A-10-8 Circumferential	2-53A-10 OFD-102A-2.1	NDE-600	UT	SS	12.000	40413 1.125	Pipe to Elbow
B09.011.003	2-53A-10-8 Circumferential	2-53A-10 OFD-102A-2.1	NDE-35	PT	SS	12.000	1.125	Pipe to Elbow
B09.011.010	2-53A-8-60 Circumferential	2-53A-8(2) OFD-102A-2.3	NDE-600	UT	SS	14.000	40389 1.250	Elbow to Tee
B09.011.010A	2-53A-8-60 Circumferential	2-53A-8(2) OFD-102A-2.3	NDE-35	PT	SS	14.000	1.250	Elbow to Tee
B09.011.020	2-PHA-12 Circumferential Term end	ISI-OCN2-005 OM-1201-966	NDE-600	UT	CS	42.750	40350 3.000	TERMINAL END Nozzle (Pc. 70) to Pipe (Pc. 36)
B09.011.020A	2-PHA-12 Circumferential Term end	ISI-OCN2-005 OM-1201-966	NDE-25	MT	CS	42.750	3.000	TERMINAL END Nozzle (Pc.70) to Pipe (Pc. 36)
B09.011.024	2-PIA1-4 Circumferential Stress weld	ISI-OCN2-007 OM-1201-966	NDE-600	UT	CS	33.500	40350 2.330	Request for Relief ONS-003 Pipe (Pc.63) to Elbow (Pc. 62)
B09.011.024A	2-PIA1-4 Circumferential Stress weld	ISI-OCN2-007 OM-1201-966	NDE-25	MT	CS	33.500	2.330	Pipe (Pc.63) to Elbow (Pc. 62)
B09.011.026	2-PIA2-4 Circumferential Stress weld	ISI-OCN2-008 OM-1201-966	NDE-600	UT	CS	33.500	40350 2.330	Pipe (Pc. 63) to Elbow (Pc.62)
B09.011.026A	2-PIA2-4 Circumferential Stress weld	ISI-OCN2-008 OM-1201-966	NDE-25	MT	CS	33.500	2.330	Pipe (Pc. 63) to Elbow (Pc.62)

**CATEGORY B-J, Pressure Retaining Welds  
In Piping**

**NPS 4 or Larger**

DUKE POWER COMPANY  
 QUALITY ASSURANCE TECHNICAL SERVICES  
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B09.011.028	2-PIB1-4 Circumferential Stress weld	ISI-OCN2-009 OM-1201-966	NDE-600	UT	CS	33.500 2.330	40350	Pipe (Pc. 63) to Elbow (Pc. 62)	
B09.011.028A	2-PIB1-4 Circumferential Stress weld	ISI-OCN2-009 OM-1201-966	NDE-25	MT	CS	33.500 2.330		Pipe (Pc. 63) to Elbow (Pc. 62)	
<b>Total B09.011 Items:</b>		<b>12</b>							
<b>**** Longitudinal Welds ****</b>									
B09.012.001	2-PIA1-62LI Longitudinal	ISI-OCN2-007 OM-1201-966	NDE-600	UT	CS	33.500 2.330	40350	Elbow (Pc.62R) to Elbow (Pc. 62L)	
B09.012.001A	2-PIA1-62LI Longitudinal	ISI-OCN2-007 OM-1201-966	NDE-25	MT	CS	33.500 2.330		Elbow (Pc.62R) to Elbow (Pc. 62L)	
B09.012.002	2-PIA1-62LO Longitudinal	ISI-OCN2-007 OM-1201-966	NDE-600	UT	CS	33.500 2.330	40350	Elbow (Pc.62L) to Elbow ( Pc. 62R)	
B09.012.002A	2-PIA1-62LO Longitudinal	ISI-OCN2-007 OM-1201-966	NDE-25	MT	CS	33.500 2.330		Elbow (Pc.62L) to Elbow (Pc. 62R)	
B09.012.003	2-PIA2-62LI Longitudinal	ISI-OCN2-008 OM-1201-966	NDE-600	UT	CS	33.500 2.330	40350	Elbow ( Pc. 62R) to Elbow ( Pc. 62L)	
B09.012.003A	2-PIA2-62LI Longitudinal	ISI-OCN2-008 OM-1201-966	NDE-25	MT	CS	33.500 2.330		Elbow ( Pc. 62R) to Elbow ( Pc. 62L)	
B09.012.004	2-PIA2-62LO Longitudinal	ISI-OCN2-008 OM-1201-966	NDE-600	UT	CS	33.500 2.330	40350	Elbow ( Pc. 62L) to Elbow ( Pc. 62R)	

**CATEGORY B-J, Pressure Retaining Welds  
In Piping**

**NPS 4 or Larger**

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ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
B09.012.004A	2-PIA2-62LO Longitudinal	ISI-OCN2-008 OM-1201-966	NDE-25	MT	CS	33.500 2.330		Elbow ( Pc. 62L) to Elbow ( Pc. 62R)
B09.012.005	2-PIB1-62LI Longitudinal	ISI-OCN2-009 OM-1201-966	NDE-600	UT	CS	33.500 40350 2.330		Elbow ( Pc. 62R) to Elbow ( Pc. 62L)
B09.012.005A	2-PIB1-62LI Longitudinal	ISI-OCN2-009 OM-1201-966	NDE-25	MT	CS	33.500 2.330		Elbow ( Pc. 62R) to Elbow ( Pc. 62L)
B09.012.006	2-PIB1-62LO Longitudinal	ISI-OCN2-009 OM-1201-966	NDE-600	UT	CS	33.500 40350 2.330		Elbow ( Pc. 62L) to Elbow ( Pc. 62R)
B09.012.006A	2-PIB1-62LO Longitudinal	ISI-OCN2-009 OM-1201-966	NDE-25	MT	CS	33.500 2.330		Elbow ( Pc. 62L) to Elbow ( Pc. 62R)
<b>Total B09.012 Items:</b>		<b>12</b>						

**CATEGORY B-J, Pressure Retaining Welds  
In Piping**

**Less Than NPS 4**

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ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
**** Circumferential Welds ****								
B09.021.022	2-51A-30-11 Circumferential	2-51A-30 OFD-101A-2.4	NDE-35	PT	SS	2.500 0.375		Pipe to Pipe
B09.021.024	2-51A-30-22 Circumferential	2-51A-30 OFD-101A-2.4	NDE-35	PT	SS	2.500 0.375		Pipe to Elbow
B09.021.030	2-51A-30-44 Circumferential	2-51A-30 OFD-101A-2.4	NDE-35	PT	SS	2.500 0.375		Flange to Pipe
B09.021.035	2-51A-35-40 Circumferential	2-51A-35 (2) OFD-101A-2.1	NDE-35	PT	SS	2.500 0.375		Pipe to Elbow
B09.021.039	2-51A-39-44 Circumferential Stress weld	2-51A-39 OFD-101A-2.4	NDE-35	PT	SS	2.500 0.375		Pipe to Pipe
J09.021.041	2-51A-39-90C Circumferential Stress weld	2-51A-39 OFD-101A-2.4	NDE-35	PT	SS	2.500 0.375		Pipe to Pipe
B09.021.042	2-51A-39-92A Circumferential Stress weld	2-51A-39 OFD-101A-2.4	NDE-35	PT	SS	2.500 0.375		Pipe to Pipe
B09.021.050	2-50-7-34 Circumferential	2-50-7 (1) OFD-100A-2.1	NDE-35	PT	SS	1.500 0.281		Elbow to Pipe
B09.021.052	2-PSP-24 Circumferential Stress weld	ISI-OCN2-016 OFD-100A-2.2	NDE-35	PT	SS	1.500 0.281		Tee to Reducer

Total B09.021 Items: 9



**CATEGORY B-J, Pressure Retaining Welds**

**In Piping**

**Branch Pipe Connection Welds**

DUKE POWER COMPANY  
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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 ****								
B09.032.006	2-PDB2-10	ISI-OCN2-014 OM-1201-966 OM-1201-969	NDE-25	MT	CS	3.000 2.250		B2 Discharge HPI Nozzle Nozzle (Pc. 46) to Pipe (Pc.44)
Total B09.032 Items:	1							

**CATEGORY B. Pressure Retaining Welds  
In Piping**

**Socket Welds**

DUKE POWER COMPANY  
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ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
B09.040.005	2-50-129-7	2-50-129 OFD-100A-2.2	NDE-35	PT	SS	1.500 0.281		Elbow to Pipe
Total B09.040 Items:		1						
Total Category B-J Items:		35						

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

DUKE POWER COMPANY  
QUALITY ASSURANCE TECHNICAL SERVICES  
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**Inservise Inspection Plan for Interval 3 Outage 4**

ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIATHK	CAL	BLOCKS	COMMENTS
<b>.... Pump Casing Welds ....</b>									
B12.010.001	2-RCP-2A1 Circumferential	ISI-OCN2-007 OM-1201D-0005 OM-1201-0001	NDE-12	RT	SS				Reactor Coolant Pump 2A1 Casing Weld. (Inspect only if pump is disassembled for maintenance purposes, repair act.) See Request for Relief ONS-008 Volume 1 Section 9.
B12.010.002	2-RCP-2A2 Circumferential	ISI-OCN2-008 OM-1201D-0005 OM-1201-0001	NDE-12	RT	SS				Reactor Coolant Pump 2A2 Casing Weld. (Inspect only if pump is disassembled)
B12.010.003	2-RCP-2B1 Circumferential	ISI-OCN2-009 OM-1201D-0005 OM-1201-0001	NDE-12	RT	SS				Reactor Coolant Pump 2B1 Casing Weld. (Inspect only if pump is disassembled)
B12.010.004	2-RCP-2B2 Circumferential	ISI-OCN2-010 OM-1201D-0005 OM-1201-0001	NDE-12	RT	SS				Reactor Coolant Pump 2B2 Casing Weld. (Inspect only if pump is disassembled)

Total B12.010 Items: 4

**CATEGORY B-L-2, Pump Casings**

DUKE POWER COMPANY  
 QUALITY ASSURANCE TECHNICAL SERVICES  
 Inservice Inspection Database Management System  
 Oconee Unit 2

**Pumps**

**Inservice Inspection Plan for Interval 3 Outage 4**

ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL	BLOCKS	COMMENTS
<b>.... Pump Casing ....</b>									
B12.020.001	2-RCP-2A1-CASING	ISI-OCN2-007 OM-1201D-0005 OM-1201-0001	QAL-14	VT-3	SS	68.000 0.000			Reactor Coolant Pump 2A1 Casing Internal Surfaces. (Inspect only if pump is disassembled for maintenance purposes, repair, ect.)
B12.020.002	2-RCP-2A2-CASING	ISI-OCN2-008 OM-1201D-0005 OM-1201-0001	QAL-14	VT-3	SS	68.000 0.000			Reactor Coolant Pump 2A2 Casing Internal Surfaces. (Inspect only if pump is disassembled for maintenance purposes, repair, ect.)
B12.020.003	2-RCP-2B1-CASING	ISI-OCN2-009 OM-1201D-0005 OM-1201-0001	QAL-14	VT-3	SS	68.000 0.000			Reactor Coolant Pump 2B1 Casing Internal Surfaces. (Inspect only if pump is disassembled for maintenance purposes, repair, ect.)
B12.020.004	2-RCP-2B2-CASING	ISI-OCN2-010 OM-1201D-0005 OM-1201-0001	QAL-14	VT-3	SS	68.000 0.000			Reactor Coolant Pump 2B2 Casing Internal Surfaces. (Inspect only if pump is disassembled for maintenance purposes, repair, ect.)

Total B12.020 Items: 4

**CATEGORY B-M-2, Valve Bodies**

DUKE POWER COMPANY  
 QUALITY ASSURANCE TECHNICAL SERVICES  
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**Inservice Inspection Plan for Interval 3 Outage 4**

**Valves**

ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
**** Valve Body, Exceeding NPS 4 ****								
B12.050.001	2-53A-CF11	OM-245-001 OFD-102A-2.3	QAL-14	VT-3	SS	14.250 0.000		A-Side Core Flood (W-Axis) Valve Body - Valve CF-11. (Inspect only if valve is disassembled for maintenance purposes, valve repair, etc.)
B12.050.002	2-53A-CF12	OM-245-001 OFD-102A-2.3	QAL-14	VT-3	SS	14.250 0.000		A-Side Core Flood (W-Axis) Valve Body - Valve CF-12. (Inspect only if valve is disassembled for maintenance purposes, valve repair, etc.)
B12.050.003	2-53A-CF13	OM-245-001 OFD-102A-2.3	QAL-14	VT-3	SS	14.250 0.000		B-Side Core Flood (Y-Axis) Valve Body - Valve CF-13. (Inspect only if valve is disassembled for maintenance purposes, valve repair, etc.)
B12.050.004	2-53A-CF14	OM-245-001 OFD-102A-2.3	QAL-14	VT-3	SS	14.250 0.000		B-Side Core Flood (Y-Axis) Valve Body - Valve CF-14. (Inspect only if valve is disassembled for maintenance purposes, valve repair, etc.)
B12.050.005	2-53A-LP47	OM-245-001 OFD-102A-2.2	QAL-14	VT-3	SS	14.250 0.000		B-Side LPI Valve Body- Valve LP-47. (Inspect only if valve is disassembled for maintenance purposes, valve repair, etc.)
B12.050.006	2-53A-LP48	OM-245-001 OFD-102A-2.2	QAL-14	VT-3	SS	10.937 0.000		B-Side LPI Valve Body- Valve LP-48. (Inspect only if valve is disassembled for maintenance purposes, valve repair, etc.)
B12.050.007	2-53A-LP1	OM-201-165 OFD-102A-2.1	QAL-14	VT-3	SS	12.968 0.000		Decay Heat Suction Valve LP-1. (Inspect only if valve is disassembled for maintenance purposes, valve repair, etc.)
B12.050.008	2-53A-LP2	OM-201-165 OFD-102A-2.1	QAL-14	VT-3	SS	12.968 0.000		Decay Heat Valve LP-2. (Inspect only if valve is disassembled for maintenance purposes, valve repair, etc.)

Total B12.050 Items: 8

Total Category B-M-2 Items: 16

CATEGORY B-N-1, Interior of Reactor

Vessel

Reactor Vessel

DUKE POWER COMPANY  
QUALITY ASSURANCE TECHNICAL SERVICES  
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ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
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.... Vessel Interior ....

B13.010.001	2-RPV-INT-SURFACE	B&W152008E ISI-OCN2-001	QAL-14	VT-3	SS	0.000 0.000		Reactor Vessel Internal Surfaces
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Total B13.010 Items: 1

Total Category B-N-1 Items: 1

CATEGORY B-Q, Steam Generator Tubing

DUKE POWER COMPANY  
QUALITY ASSURANCE TECHNICAL SERVICES  
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Steam Generator Tubing In Straight Tube Design

ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
**** Steam Generator Tubing In Straight Tube Design ****								
B16.011.001	2-SGA-TUBES			ET	NA	0.000 0.000		Information on S/G Tube examinations can be acquired from the Diversified Services Group of the Generation Services Department, Duke Power Company.
B16.011.002	2-SGB-TUBES			ET	NA	0.000 0.000		Information on S/G Tube examinations can be acquired from the Diversified Services Group of the Generation Services Department, Duke Power Company.
Total B16.011 Items:		2						
Total Category B-Q Items:		2						

**CATEGORY C-A, Pressure Retaining Welds  
In Pressure Vessels**

Shell Circumferential Welds

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ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
C01.010.001	2-SGA-WG8-1 Circumferential	ISI-OCN2-003 OM-1201-450	NDE-620 NDE-640	UT	CS	138.000	40339 4.188	Steam Generator 2A Shell Pc. 1 to Shell Pc. 2. SGA Shell to SGA Shell

Total C01.010 Items: 1



CATEGORY C-A, Pressure Retaining Welds  
In Pressure Vessels

DUKE POWER COMPANY  
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Head Circumferential Welds

ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
C01.020.005	2-RC-STR-HD-1 Circumferential	OM-240-0076 OFD-101A-2.5	NDE-630	UT	SS	6.625 0.216	TBD	SSF Make-UP Strainer Pc. 1 Body to Pc. 1 Head.

Total C01.020 Items: 1

**CATEGORY C-A, Pressure Retaining Welds  
In Pressure Vessels**

DUKE POWER COMPANY  
QUALITY ASSURANCE TECHNICAL SERVICES  
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**Inservice Inspection Plan for Interval 3 Outage 4**

**Tubesheet-to-Shell Weld**

ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
C01.030.001	2-SGA-WG60 Circumferential	ISI-OCN2-003 OM-1201-450	NDE-620 NDE-640	UT	CS	138.000 6.625	40338	Steam Generator 2A Upper Tubesheet Pc. 51 to Shell Pc. 1.
				Tubesheet to Shell				

Total C01.030 Items: 1

Total Category C-A Items: 3

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

DUKE POWER COMPANY  
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**Inservice Inspection Plan for Interval 3 Outage 4**

**Nozzles in Vessels ≤ 1/2 In. Nominal Thickness**

ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
<b>**** Nozzle-to-Shell (or Head) Weld ****</b>								
C02.011.001	2-BWST-INLET-NOZ		NDE-35	PT	SS	8.000		Borated Water Storage Tank Inlet Nozzle from Decay Heat Removal Discharge.
	Circumferential	OM-1201-80 OFD-102A-2.2		Nozzle to Shell		0.500		
C02.011.002	2-BWST-ROOF-NOZ		NDE-35	PT	SS	8.000		Borated Water Storage Tank Roof Nozzle to Head Weld.
	Circumferential	OM-1201-80 OFD-102A-2.2		Nozzle to Head		0.500		

Total C02.011 Items: 2

Total Category C-B Items: 2

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

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Piping

ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
**** Integrally Welded Attachments ****								
C03.020.002	2-01A-H11B Constant support	0-1481A OFD-122A-2.1	NDE-25	MT	CS	36.000 2.000		FILE NO. OSC-440 PROBLEM NO. 2-01-01 PAGE 40 MAIN STEAM PIPING
C03.020.003	2-01A-H12 Rigid restraint	0-1441 OFD-122A-2.1	NDE-25	MT	CS	36.000 0.750		FILE NO. OSC-440 PROBLEM NO. 2-01-01 PAGE 40 MAIN STEAM PIPING
C03.020.004	2-01A-H13 Rigid restraint	0-1441 OFD-122A-2.1	NDE-25	MT	CS	36.000 0.750		FILE NO. OSC-440 PROBLEM NO. 2-01-01 PAGE 40 MAIN STEAM PIPING
C03.020.007	2-01A-H1B Constant support	0-1480A OFD-122A-2.1	NDE-25	MT	CS	26.000 1.000		FILE NO. OSC-440 PROBLEM NO. 2-01-01 PAGE 40 MAIN STEAM PIPING
C03.020.016	2-01A-R7 Mech snubber	0-1441 OFD-122A-2.1	NDE-25	MT	CS	36.000 1.000		FILE NO. OSC-440 PROBLEM NO. 2-01-01 PAGE 40 MAIN STEAM PIPING
C03.020.037	2-51A-H13C Rigid restraint	0-1478A OFD-101A-2.1	NDE-35	PT	SS	2.500 0.750		File Number = OSC-1322; Problem Number = 2-51-25; Drawing No. = 0-1492b-4(s) & Drawing No. = 0-1492b-4A(s); SYSTEM 51a
C03.020.038	2-51A-H173 Rigid restraint	0-1439B OFD-101A-2.4	NDE-35	PT	SS	4.000 0.750		FILE NO. OSC-1023 PAGE 47.1 PROBLEM NO 2-51-18 HPI SYSTEM CROSSOVER LINE
C03.020.039	2-51A-SR116 Rigid restraint	1-0-436J OFD-101A-2.3	NDE-35	PT	SS	4.000 0.750		File Number = OSC-481, Page 142.1; Problem Number = 51-2
C03.020.040	2-53B-DE048 Rigid restraint	0-1439A OFD-102A-2.2	NDE-35	PT	SS	10.000 1.000		FILE NO. OS-491, PROBLEM NO. 2-53-5, SHT 1 OF 1. DECAY HEAT COOLER 2A TO PENETRATION 15 SYSTEM 53B.
C03.020.054	2-54A-H5 Rigid restraint	3-0-1439C OFD-103A-2.1	NDE-35	PT	SS	8.000 1.000		FILE NO. OS-496, PROBLEM NO. 2-54-03 SHT 1 OF 2. SYSTEM 54A.

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

DUKE POWER COMPANY  
QUALITY ASSURANCE TECHNICAL SERVICES  
Inservice Inspection Database Management System  
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**Inservice Inspection Plan for Interval 3 Outage 4**

ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
C03.020.061	2-SGA-WG87-YX Rigid restraint	OM-201-1054 OFD-121B-2.3	NDE-25	MT	CS	0.000 1.000		SGA FDW. HDR. S/R ATTACH. Y-X QUAD. NEAR Y-AXIS
C03.020.066	2-SGB-WG87-WZ Rigid restraint	OM-201-1054 OFD-121B-2.3	NDE-25	MT	CS	0.000 1.000		SGB FDW. HDR. S/R ATTACH. W-Z QUAD. NEAR W-AXIS
C03.020.068	2-SGB-WG87-XY Rigid restraint	OM-201-1054 OFD-121B-2.3	NDE-25	MT	CS	0.000 1.000		SGB FDW. HDR. S/R ATTACH. X-Y QUAD. NEAR X-AXIS
C03.020.070	2-SGB-WG87-YZ Rigid restraint	OM-201-1054 OFD-121B-2.3	NDE-25	MT	CS	0.000 1.000		SGB FDW. HDR. S/R ATTACH. Y-Z QUAD. NEAR Y-AXIS
<b>Total C03.020 Items:</b>		<b>14</b>						
<b>Total Category C-C Items:</b>		<b>14</b>						

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

**Piping Welds  $\geq$  3/8 In. Nominal Wall Thickness for  
Piping  $>$  NPS 4**

DUKE POWER COMPANY  
QUALITY ASSURANCE TECHNICAL SERVICES  
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ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
**** Circumferential Weld ****								
C05.011.009	2-53A-9-39	2-53A-9 OFD-102A-2.3	NDE-600	UT	SS	10.000	40354	
	Circumferential			Pipe to Elbow		1.125		
C05.011.009A	2-53A-9-39	2-53A-9 OFD-102A-2.3	NDE-35	PT	SS	10.000		
	Circumferential			Pipe to Elbow		1.125		
C05.011.010	2-53A-9-40	2-53A-9 OFD-102A-2.3	NDE-600	UT	SS	10.000	40354	
	Circumferential			Pipe to Elbow		1.125		
C05.011.010A	2-53A-9-40	2-53A-9 OFD-102A-2.3	NDE-35	PT	SS	10.000		
	Circumferential			Pipe to Elbow		1.125		
<hr/>								
Total C05.011 Items:		4						

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

DUKE POWER COMPANY  
QUALITY ASSURANCE TECHNICAL SERVICES  
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Piping Welds > 1/5 In. Nom Wall For Piping ≥  
NPS 2 And ≤ NPS 4

Inservice Inspection Plan for Interval 3 Outage 4

ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
**** Circumferential Weld ****								
C05.021.011	2-51A-131-13	2-51A-131 OFD-101A-2.4	NDE-600	UT	SS	4.000	40406	0.531 Elbow to Pipe
C05.021.011A	2-51A-131-13	2-51A-131 OFD-101A-2.4	NDE-35	PT	SS	4.000		0.531 Elbow to Pipe
C05.021.012	2-51A-131-6C	2-51A-131 OFD-101A-2.4	NDE-600	UT	SS	4.000	40406	0.531 Elbow to Pipe
C05.021.012A	2-51A-131-6C	2-51A-131 OFD-101A-2.4	NDE-35	PT	SS	4.000		0.531 Elbow to Pipe
C05.021.042	2-51A-28-106AA	2-51A-28 (2) OFD-101A-2.4	NDE-600	UT	SS	4.000	40406	0.674 Elbow to Tee
C05.021.042A	2-51A-28-106AA	2-51A-28 (2) OFD-101A-2.4	NDE-35	PT	SS	4.000		0.674 Elbow to Tee
C05.021.043	2-51A-28-106C	2-51A-28 (2) OFD-101A-2.4	NDE-600	UT	SS	4.000	40406	0.674 Tee to Pipe
C05.021.043A	2-51A-28-106C	2-51A-28 (2) OFD-101A-2.4	NDE-35	PT	SS	4.000		0.674 Tee to Pipe
C05.021.044	2-51A-28-80A	2-51A-28 (2) OFD-101A-2.4	NDE-600	UT	SS	4.000	40406	0.531 Valve (Valve 2HP-V23) to Reducer
C05.021.044A	2-51A-28-80A	2-51A-28 (2) OFD-101A-2.4	NDE-35	PT	SS	4.000		0.531 Valve (Valve 2HP-V23) to Reducer

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

DUKE POWER COMPANY  
QUALITY ASSURANCE TECHNICAL SERVICES  
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**Inservice Inspection Plan for Interval 3 Outage 4**

**Piping Welds > 1/5 In. Nom Wall For Piping ≥  
NPS 2 And ≤ NPS 4**

ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIATHK	CAL BLOCKS	COMMENTS
C05.021.045	2-51A-28-65 Circumferential	2-51A-28 (3) OFD-101A-2.4	NDE-600	UT	SS	4.000 0.531	40406	Pipe to Tee
C05.021.045A	2-51A-28-65 Circumferential	2-51A-28 (3) OFD-101A-2.4	NDE-35	PT	SS	4.000 0.531		Pipe to Tee
C05.021.060	2-51A-145-14 Circumferential	2-51A-145 OFD-101A-2.1	NDE-600	UT	SS	2.500 0.375	40378	Valve (Valve 2HP-4) to Elbow
C05.021.060A	2-51A-145-14 Circumferential	2-51A-145 OFD-101A-2.1	NDE-35	PT	SS	2.500 0.375		Valve (Valve 2HP-4) to Elbow
C05.021.061	2-51A-145-17 Circumferential	2-51A-145 OFD-101A-2.1	NDE-600	UT	SS	2.500 0.375	40378	Elbow to Pipe
C05.021.061A	2-51A-145-17 Circumferential	2-51A-145 OFD-101A-2.1	NDE-35	PT	SS	2.500 0.375		Elbow to Pipe
C05.021.062	2-51A-145-23 Circumferential Term end	2-51A-145 OFD-101A-2.1	NDE-600	UT	SS	2.500 0.375	40378	TERMINAL END Elbow to Pipe
C05.021.062A	2-51A-145-23 Circumferential	2-51A-145 OFD-101A-2.1	NDE-35	PT	SS	2.500 0.375		Elbow to Pipe
C05.021.063	2-51A-146-11 Circumferential	2-51A-146 OFD-100A-2.1	NDE-600	UT	SS	2.500 0.375	40378	Valve (Valve 2HP-3) to Elbow
C05.021.063A	2-51A-146-11 Circumferential	2-51A-146 OFD-100A-2.1	NDE-35	PT	SS	2.500 0.375		Valve (Valve 2HP-3) to Elbow



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

DUKE POWER COMPANY  
QUALITY ASSURANCE TECHNICAL SERVICES  
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**Inservice Inspection Plan for Interval 3 Outage 4**

Piping Welds > 1/5 in. Nom Wall For Piping ≥  
NPS 2 And ≤ NPS 4

ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
C05.021.064	2-51A-146-15 Circumferential	2-51A-146 OFD-101A-2.1	NDE-600	UT	SS	2.500	40378 0.375	Pipe to Elbow
C05.021.064A	A2-51A-146-15 Circumferential	2-51A-146 OFD-101A-2.1	NDE-35	PT	SS	2.500	0.375	Pipe to Elbow

Total C05.021 Items: 22

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

DUKE POWER COMPANY  
QUALITY ASSURANCE TECHNICAL SERVICES  
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Piping Welds  $\geq 3/8$  in. Nominal Wall Thickness for  
Piping  $\geq$  NPS 4

ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIATHK	CAL	BLOCKS	COMMENTS
**** Circumferential Weld ****									
C05.051.005	2-01A-5-27	2-01A-5(4) OFD-122A-2.1	NDE-12	RT	CS	26.000			
	Circumferential					0.875			Pipe to Elbow
C05.051.005A	2-01A-5-27	2-01A-5(4) OFD-122A-2.1	NDE-25	MT	CS	26.000			
	Circumferential					0.875			Pipe to Elbow
C05.051.006	2-01A-5-9	2-01A-5 (1) OFD-122A-2.1	NDE-12	RT	CS	8.000			
	Circumferential					0.906			Pipe to Valve (Valve 2MS-2)
C05.051.006A	2-01A-5-9	2-01A-5 (1) OFD-122A-2.1	NDE-25	MT	CS	8.000			
	Circumferential					0.906			Pipe to Valve (Valve 2MS-2)
C05.051.014	2-03A-10-21	2-03A-10 OFD-121D-2.1	NDE-12	RT	CS	6.000			
	Circumferential					0.432			Pipe to Elbow
C05.051.014A	2-03A-10-21	2-03A-10 OFD-121D-2.1	NDE-25	MT	CS	6.000			
	Circumferential					0.432			Pipe to Elbow
C05.051.018	2-03A-67-7	2-03A-67 OFD-121D-2.1	NDE-12	RT	CS	6.000			
	Circumferential					0.562			Pipe to Elbow
C05.051.018A	2-03A-67-7	2-03A-67 OFD-121D-2.1	NDE-25	MT	CS	6.000			
	Circumferential					0.562			Pipe to Elbow
C05.051.022	2-03-18-37	2-03-18 (2) OFD-121B-2.3	NDE-12	RT	CS	20.000			
	Circumferential					1.031			Elbow to Pipe
C05.051.022A	2-03-18-37	2-03-18 (2) OFD-121B-2.3	NDE-25	MT	CS	20.000			
	Circumferential					1.031			Elbow to Pipe

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

**Piping Welds ≥ 3/8 In. Nominal Wall Thickness for  
Piping > NPS 4**

DUKE POWER COMPANY  
QUALITY ASSURANCE TECHNICAL SERVICES  
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ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
C05.051.024	2-03-21-WG91-E	2-03-21 OFD-121B-2.3 OM-1201-451	NDE-12	RT	CS	14.000 0.750		Tee to Pipe
C05.051.024A	2-03-21-WG91-E	2-03-21 OFD-121B-2.3 OM-1201-451	NDE-25	MT	CS	14.000 0.750		Tee to Pipe
C05.051.035	2-14B-51-2	2-14B-51 OFD-124B-2.2	NDE-12	RT	CS	8.000 0.500		Pipe to Elbow
C05.051.035A	2-14B-51-2	2-14B-51 OFD-124B-2.2	NDE-25	MT	CS	8.000 0.500		Pipe to Elbow
C05.051.036	2-14B-51-3	2-14B-51 OFD-124B-2.2	NDE-12	RT	CS	8.000 0.500		Elbow to Elbow
C05.051.036A	2-14B-51-3	2-14B-51 OFD-124B-2.2	NDE-25	MT	CS	8.000 0.500		Elbow to Elbow
C05.051.038	2-14B-51-82	2-14B-51 OFD-124B-2.2	NDE-12	RT	CS	8.000 0.500		Elbow to Tee
C05.051.038A	2-14B-51-82	2-14B-51 OFD-124B-2.2	NDE-25	MT	CS	8.000 0.500		Elbow to Tee

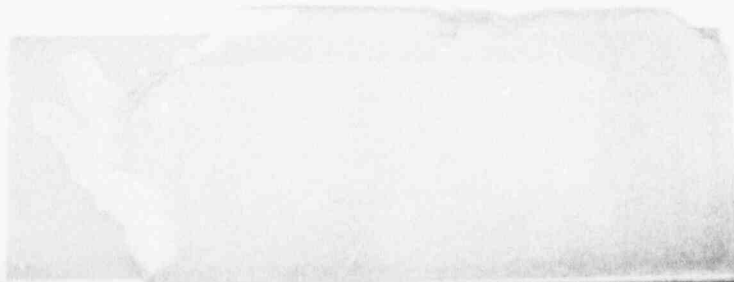
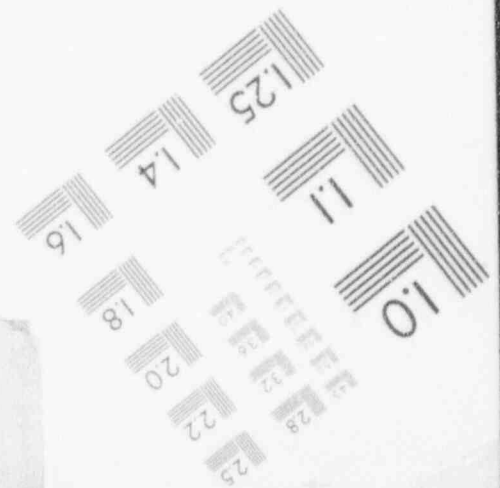
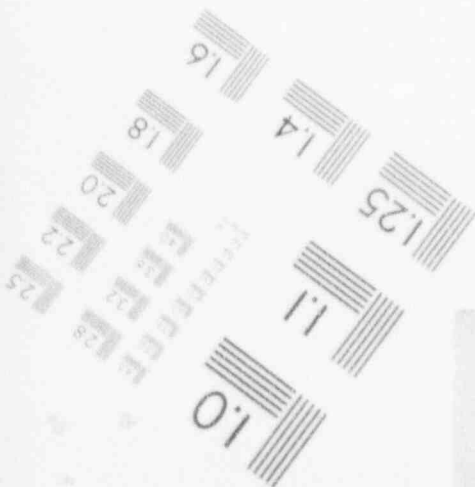
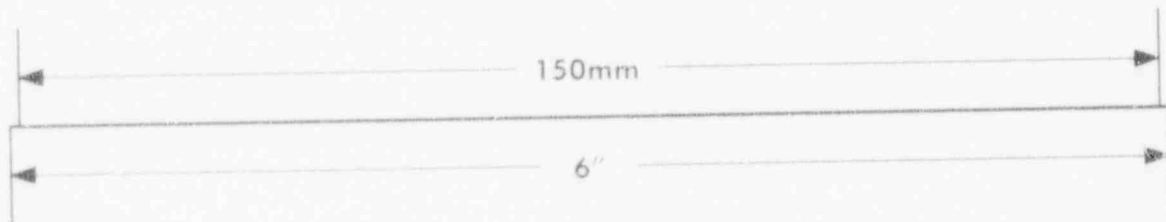
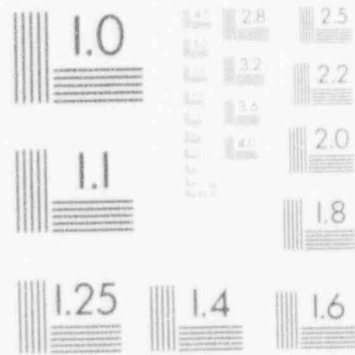
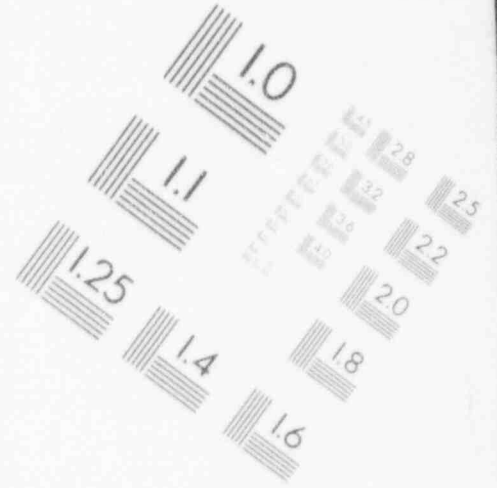
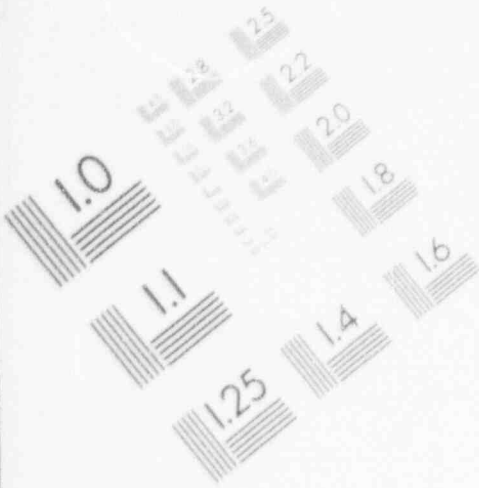
Total C05.051 Items: 18

---- Longitudinal Weld ----

C05.052.003	2-01A-5-27L	2-01A-5(4) OFD-122A-2.1	NDE-12	RT	CS	26.000 0.875		Long Seam Weld for C05.051.005 Elbow to Elbow
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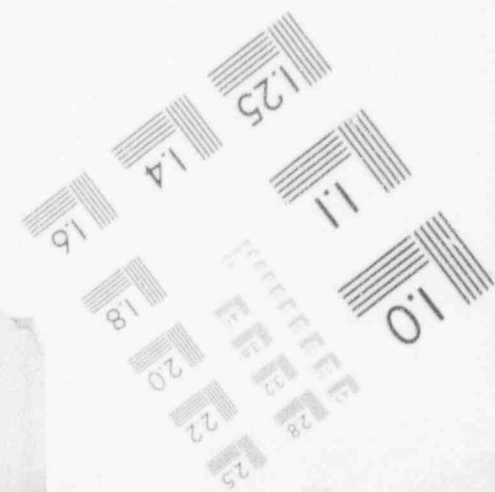
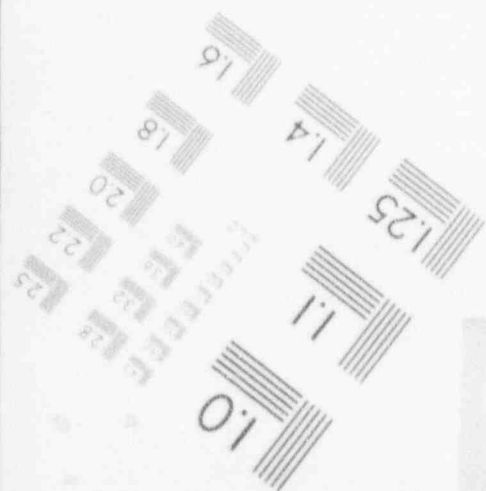
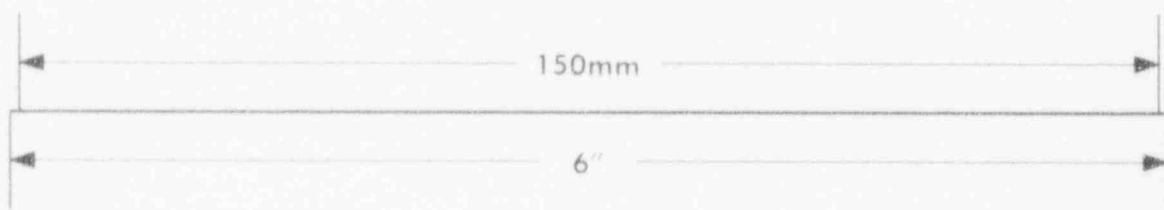
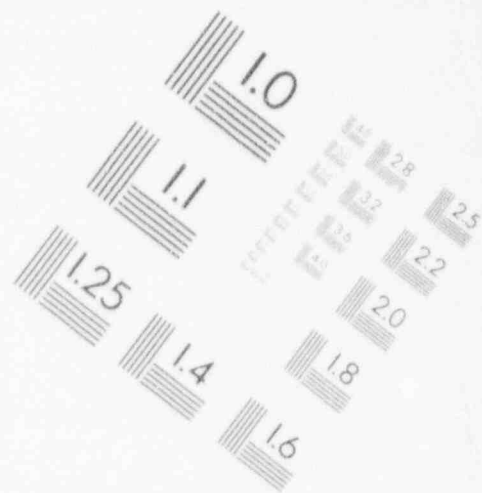
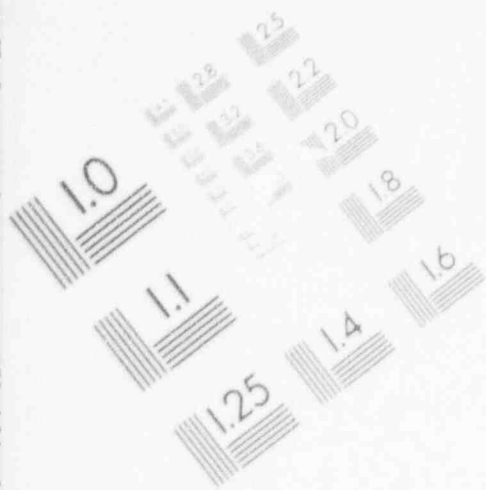
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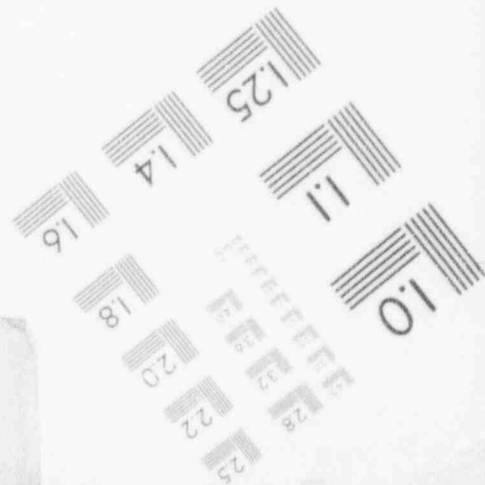
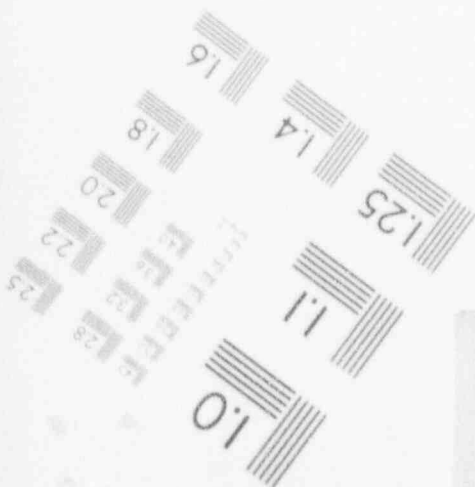
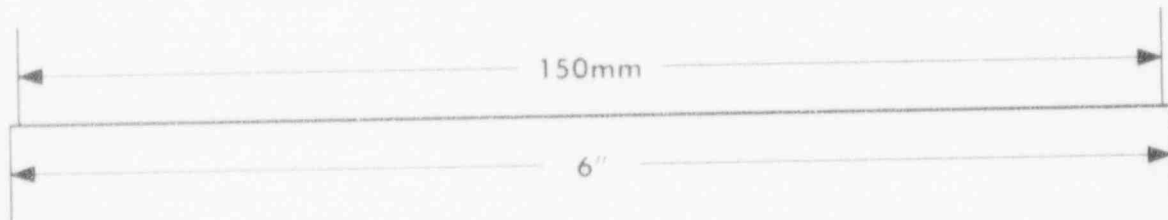
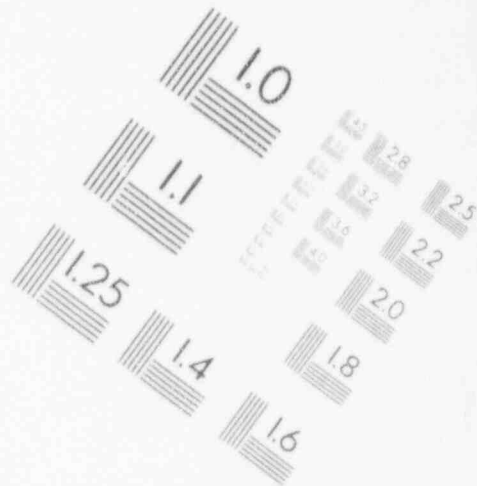
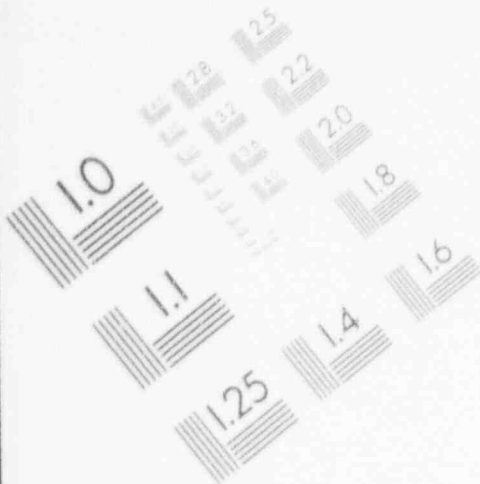
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## IMAGE EVALUATION TEST TARGET (MT-3)



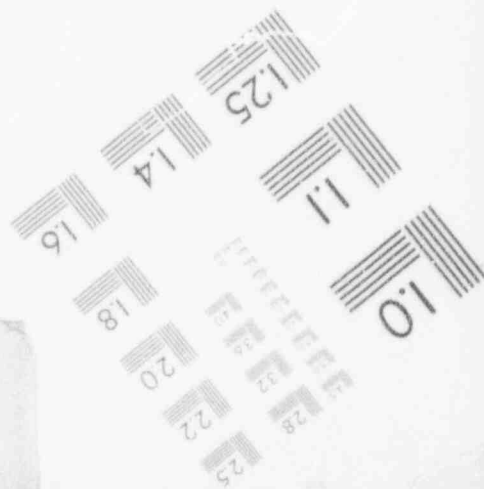
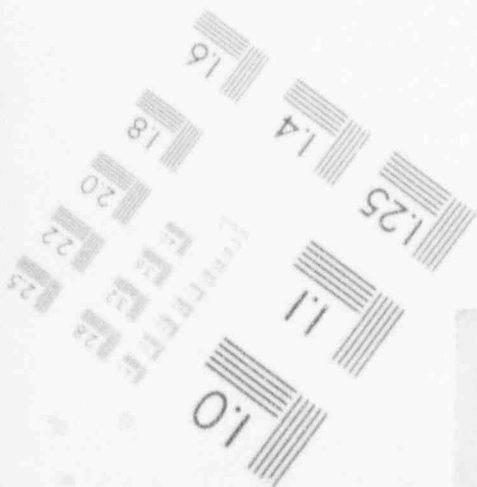
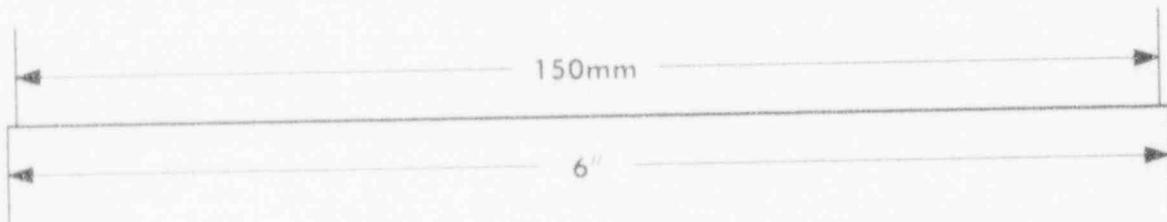
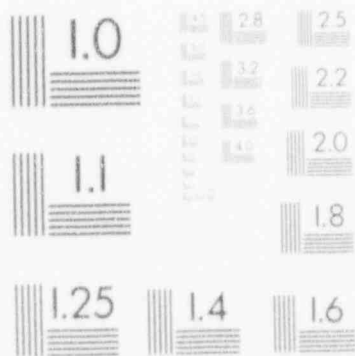
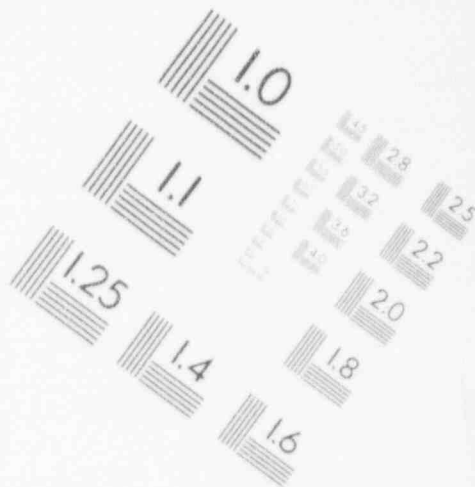
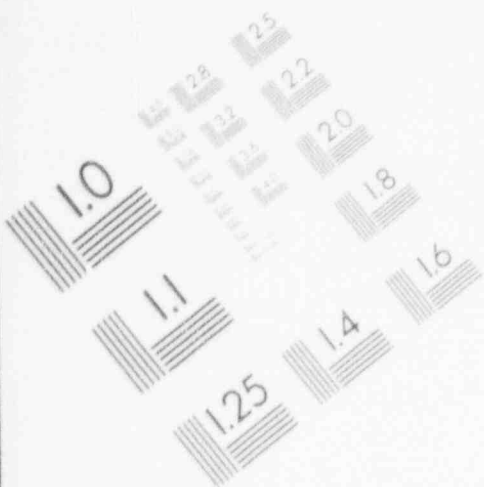
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## IMAGE EVALUATION TEST TARGET (MT-3)



# 1

## IMAGE EVALUATION TEST TARGET (MT-3)



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

DUKE POWER COMPANY  
QUALITY ASSURANCE TECHNICAL SERVICES  
Inservice Inspection Database Management System  
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Inservice Inspection Plan for Interval 3 Outage 4

**Piping Welds  $\geq$  3/8 In. Nominal Wall Thickness for  
Piping  $>$  NPS 4**

ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
C05.052.003A Longitudinal	2-01A-5-27L	2-01A-5(4) OFD-122A-2.1	NDE-25	MT	CS	26.000 0.875		Long Seam Weld for C05.051.005A  Elbow to Elbow

Total C05.052 Items: 2



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

**2** Pipe Branch Connections of Branch Piping  $\geq$  NPS  
2

DUKE POWER COMPANY  
QUALITY ASSURANCE TECHNICAL SERVICES  
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ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
**** Circumferential Weld ****								
C05.081.002	2-MS12A-A	2-01A-5(1)/2MS-12A OFD-122A-2.1	NDE-25	MT	CS	8.000 0.906		For inspection in Outage 1; See Request for Relief ONS-010.
	Branch						Main Steam Header to Pipe	
C05.081.003	2-MS15B-A	2-01A-5(3)/2MS-15B OFD-122A-2.1	NDE-25	MT	CS	8.000 0.906		For inspection in Outage 5; See Request for Relief ONS-010.
	Branch						Main Steam Header to Pipe	
Total C05.081 Items:		2						
Total Category C-F-2 Items:		48						

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

**DUKE POWER COMPANY  
QUALITY ASSURANCE TECHNICAL SERVICES  
Inservice Inspection Database Management System  
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Integral Attachment

ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
**** Component Supports and Restraints ****								
D02.020.007	2-01A-R25 Rigid restraint	4-0-1400A OFD-122A-2.4	QAL-14	VT-3	NA	6.000 0.500		FILE NO. OSC-445, PROBLEM NO. 2-01-6, SHT 2 OF 4.
D02.020.010	2-03-H51 Rigid restraint	0-551 OFD-121B-2.3	QAL-14	VT-3	NA	24.000 1.500		FILE NO. OS-454, PROBLEM NO. 2-03-01, PG 44.
				SWAY STRUT to Other				
D02.020.012	2-03-R8 Rigid restraint	0-1401A OFD-121B-2.3	QAL-14	VT-3	NA	24.000 0.322		FILE NO. OS-454, PROBLEM NO. 2-03-01, PG 44.
D02.020.029	2-03A-H15 Rigid restraint	1-0-1437A OFD-121D-2.1	QAL-14	VT-3	NA	6.000 0.125		File Number = OSC-449; Problem Number = 2-03A-08, Sht. 4 of 6; Emergency Feedwater Bypass Line
D02.020.030	2-03A-H15A Rigid restraint	1-0-1437 OFD-121D-2.1	QAL-14	VT-3	NA	6.000 0.125		File Number = OSC-449; Problem Number = 2-03A-08, Sht. 4 of 6; Emergency Feedwater Bypass Line
D02.020.046	2-03A-H8 Rigid restraint	1-0-1439C OFD-121D-2.1	QAL-14	VT-3	NA	6.000 0.375		File Number = OSC-459; Problem Number = 2-03a-06, Sht 3 of 4; Emergency Feedwater Sys
D02.020.063	2-03A-SR15 Rigid restraint	1-0-1439B OFD-121D-2.1	QAL-14	VT-3	NA	6.000 0.500		File Number = OSC-450, Page No. 105; Problem Number = 2-03A-09; EFW Crossover
D02.020.076	2-03A-SR28 Rigid restraint	1-0-1400A OFD-121D-2.1	QAL-14	VT-3	NA	6.000 0.500		File Number = OSC-450, Page No. 106; Problem Number = 2-03A-09; EFW Crossover; Thickness = .500 & .216
D02.020.077	2-03A-SR29 Rigid restraint	1-0-1400A OFD-121D-2.1	QAL-14	VT-3	NA	6.000 0.500		File Number = OSC-450, Page No. 106; Problem Number = 2-03A-09; EFW Crossover
D02.020.100	2-03A-SR8 Rigid restraint	1-0-1439B OFD-121D-2.1	QAL-14	VT-3	NA	6.000 0.500		File Number = OSC-450, Page No. 104.1; Problem Number 2-03A-09; EFW Crossover

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

**Integral Attachment**

**DUKE POWER COMPANY  
QUALITY ASSURANCE TECHNICAL SERVICES  
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**Inservice Inspection Plan for Interval 3 Outage 4**

ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
D02.020.123	2-14B-H30 Rigid restraint	0-1439B OFD-124B-2.2	QAL-14	VT-3	NA	14.000 0.280		FILE NO. OSC-475 PROBLEM NO. 2-14-6 SHT.2OF3 LPSWATER
D02.020.124	2-14B-H32 Rigid restraint	0-1439A OFD-124B-2.2	QAL-14	VT-3	NA	14.000 1.000		FILE NO. OSC-475 PROBLEM NO. 2-14-6 SHT.2OF3 LPSWATER
D02.020.125	2-14B-H33 Rigid restraint	0-1439B OFD-124B-2.2	QAL-14	VT-3	NA	14.000 1.000		FILE NO. OSC-475 PROBLEM NO. 2-14-6 SHT.2OF3 LPSWATER
D02.020.126	2-14B-H34 Rigid restraint	0-1439A OFD-124B-2.2	QAL-14	VT-3	NA	14.000 1.000		FILE NO. OSC-475 PROBLEM NO. 2-14-6 SHT.2OF3 LPSWATER
D02.020.127	2-14B-JEJ-1702 Rigid restraint	0-437B OFD-124B-2.1	QAL-14	VT-3	NA	8.000 0.125		FILE NO. OSC-473 PROBLEM NO. 2-14-5 SHT1OF3 LP SERVICE WATER
D02.020.128	2-14B-JJ-0113 Rigid restraint	0-1437A OFD-124B-2.1	QAL-14	VT-3	NA	20.000 1.000		FILE NO. OSC-475 PROBLEM NO. 2-14-6 SHT3OF3 LP SERVICE WATER
				SWAY STRUT to Other				
D02.020.129	2-14B-JTC0904 Rigid restraint	0-437B OFD-124B-1.1	QAL-14	VT-3	NA	12.000 1.000		Calclaton No. OSC-473; Problem No. 2-14-05 SHT1 OF 3. System 14B; LPSW BETWEEN DISC. NOZZLE OF DECAY HT. COOLER 2B & RB COMP. COOLERS
D02.020.131	2-14B-RJP-3102 Rigid restraint	0-1439B OFD-124B-2.2	QAL-14	VT-3	NA	14.000 0.187		FILE NO. OSC-475 PROBLEM NO. 2-14-6 SHT.2OF3 LPSWATER
D02.020.132	2-14B-RJP-3106 Rigid restraint	0-1439B OFD-124B-2.2	QAL-14	VT-3	NA	14.000 0.237		FILE NO. OSC-475 PROBLEM NO. 2-14-6 SHT.2OF3 LPSWATER
D02.020.133	2-14B-SR1 Rigid support	0-400B OFD-124A-1.1	QAL-14	VT-3	NA	24.000 0.250		Calculation No. OS-395 Page 40 problem no. 1-14A-01 page 1 of 2 Low Pressure Service Water
				SS to Other				

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

DUKE POWER COMPANY  
QUALITY ASSURANCE TECHNICAL SERVICES  
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**Inservice Inspection Plan for Interval 3 Outage 4**

ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
D02.020.134	2-14B-SR36 Rigid restraint	0-1437A OFD-124B-2.1	QAL-14	VT-3	NA	16.000 1.562		FILE NO. OSC-473 PROBLEM NO. 2-14-5 SHT3OF3 LP SERVICE WATER
D02.020.135	2-14B-SR38 Rigid restraint	0-1437A OFD-124B-2.1	QAL-14	VT-3	NA	16.000 1.000		FILE NO. OSC-474 PROBLEM NO. 4-14-04 SHT1OF3 LP SERVICE WATER
D02.020.137	2-14B-SR41 Rigid restraint	0-1436A OFD-124B-2.1	QAL-14	VT-3	NA	16.000 0.500		FILE NO. OSC-474 PROBLEM NO. 4-14-04 SHT1OF3 LP SERVICE WATER
D02.020.138	2-14B-SR52 Rigid restraint	0-1437A OFD-124B-2.1	QAL-14	VT-3	NA	16.000 1.000		FILE NO. OSC-473 PROBLEM NO. 2-14-5 SHT3OF3 LP SERVICE WATER
D02.020.150	2-57-H4 Rigid restraint	0-1481A OFD-107A-2.1	QAL-14	VT-3	NA	12.000 1.000		FILE NO. OSC-1332-06, PROBLEM NO. 2-57-01, PG 14.1.
<b>Total D02.020 Items:</b>		<b>25</b>						

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

Integral Attachment

DUKE POWER COMPANY  
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ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIATHK CAL BLOCKS	COMMENTS
**** Mechanical and Hydraulic Snubbers ****							
D02.030.001	2-01A-R27	4-2-0-1400A OFD-122A-2.4	QAL-14	VT-3	NA	6.000 0.237	FILE NO. OSC-445, PROBLEM NO. 2-01-6, SHT 2 OF 4.
D02.030.003	2-03-R7	0-1401A OFD-121B-2.3	QAL-14	VT-3	NA	24.000 1.000	FILE NO. OS-454, PROBLEM NO. 2-03-01, PG 44.
Total D02.030 Items:		2					

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

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

Total D02.040 Items: 1

Total Category D-B Items: 28

**CATEGORY F-A, Supports (Category A)**

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 QUALITY ASSURANCE TECHNICAL SERVICES  
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Class 1 Mech, Conn. to Press, Retaining Comp. &  
 Bid, Structure

ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DI/THK	CAL BLOCKS	COMMENTS	
F01.010.006	2-53A-H26C Rigid support	0-1480A OFD-100A-2.2 0-2RB-25314-02	QAL-14	VT-3	NA	1.500 0.250		PROBLEM NO.2-53-14 LPINJ. TO PZR SPRAY	
<u>Total F01.010 Items:</u>		<u>1</u>							
F01.011.001	2-51A-H10A Rigid restraint	0-1479A OFD-101A-2.4	QAL-14	VT-3	NA	2.500 0.000		FILE NO. OSC-1324-06 SHT.4OF5 PROBLEM NO.2-53-15 HPI SYSTEM EAST COOLANT LOOP	
<u>Total F01.011 Items:</u>		<u>1</u>							
F01.012.007	2-53A-H1A Spring hanger	0-1478A OFD-102A-2.3	QAL-14	VT-3	NA	14.000 2.000		FILE NO. OSC-1318, PROBLEM NO. 2-53-13. SYSTEM 53A.	
<u>Total F01.012 Items:</u>		<u>1</u>							

**CATEGORY F-A, Supports (Category A)**

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**Class 2 Weld Connections to Building Structure**

ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIATHK	CAL BLOCKS	COMMENTS
F01.020.015	2-51A-H166 Rigid restraint	0-1439C OFD-101A-2.4	QAL-14	VT-3	NA	4.000 0.000		FILE NO. OSC-1023 PAGE 47.1 PROBLEM NO.2-51-18 HPI SYSTEM CROSSOVER LINE
			SWAY STRUT to Other					
F01.020.021	2-51A-SR59 Rigid restraint	6-0-435B OFD-101A-2.3	QAL-14	VT-3	NA	6.000 0.000		File Number = OSC-481,Page 143; Problem Number = 51-2
F01.020.026	2-53B-H1 Rigid restraint	2-0-436E OFD-102A-2.1	QAL-14	VT-3	NA	14.000 0.280		FILE NO. OSC-481, PROBLEM NO. 51-2, SHT 3 OF 6. HPI PUMP SUCT. HEADER W/BRANCHES FROM B.W.S. TANK, L.S. TANK, AND L. P. COOLERS "2A" & "2B".
F01.020.034	2-53B-R69 Rigid restraint	2-0-435B OFD-102A-2.2	QAL-14	VT-3	NA	8.000 0.000		FILE NO. OS-487, PROBLEM NO. 2-53-01, SHT 4 OF 5. L. P. INJECTION & DECAY HEAT REMOVAL SYSTEM 53B.
F01.020.038	2-54A-H5 Rigid restraint	3-0-1439C OFD-103A-2.1	QAL-14	VT-3	NA	8.000 1.000		FILE NO. OS-496, PROBLEM NO. 2-54-03 SHT 1 OF 2. SYSTEM 54A.
F01.020.039	2-54A-R10 Rigid restraint	3-0-435B OFD-103A-2.1	QAL-14	VT-3	NA	8.000 0.000		FILE NO. OS-494, PROBLEM NO. 2-54-1, SHT 1 OF 1. REACTOR BUILDING SPRAY LINE "2A".
<b>Total F01.020 Items:</b>		<b>6</b>						
F01.021.017	2-51A-SP115 Rigid restraint	2-0-438C OFD-101A-2.4	QAL-14	VT-3	NA	4.000 0.000		FILE NO. OSC-1023 PROBLEM NO.2-51-18 PAGE 51.1 HPI SYSTEM CROSSOVER LINE
F01.021.021	2-53B-DE015 Rigid restraint	0-435B OFD-102A-2.1	QAL-14	VT-3	NA	14.000 0.000		FILE NO. OS-487, PROBLEM NO. 2-53-01, SHT 1 OF 5. LPI TO DECAY HEAT REMOVAL SYSTEM 53B.
F01.021.024	2-53B-R5 Rigid restraint	5-0-1436A OFD-102A-2.2	QAL-14	VT-3	NA	10.000 0.000		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".



**CATEGORY F-A, Supports (Category B)**

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**Class 2 Weld Connections to Building Structure**

ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS	
<b>Total F01.021 Items:</b>		<b>3</b>							
F01.022.002	2-01A-H11B Constant support	0-1481A OFD-122A-2.1	QAL-14	VT-3	NA	36.000 2.000		FILE NO. OSC-440 PROBLEM NO. 2-01-01 PAGE 40 MAIN STEAM PIPING	
F01.022.010	2-51A-DKB-1411 Spring hanger	0-435B OFD-101A-2.3	QAL-14	VT-3	NA	6.000 0.226		File Number = OSC-481, Page 143; Problem Number = 51-2	
F01.022.017	2-53B-H56 Spring hanger	5-0-1439A OFD-102A-2.2	QAL-14	VT-3	NA	10.000 0.000		FILE NO. OS-491, PROBLEM NO. 2-53-5, SHT 1 OF 1. DECAY HEAT COOLER 2A TO PENETRATION 15 SYSTEM 53B.	
F01.022.019	2-54A-H25 Spring hanger	3-0-435B OFD-103A-2.1	QAL-14	VT-3	NA	8.000 0.216		FILE NO. OS-494, PROBLEM NO. 2-54-1, SHT 1 OF 1. REACTOR BUILDING SPRAY LINE "2A".	
<b>Total F01.022 Items:</b>		<b>4</b>							

**CATEGORY F-A, Supports (Category A)**

DUKE POWER COMPANY  
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**Class 3 Weld/Mech Conns at Inter Joints In  
 Multiconn Int & Nonint Supp**

ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS	
F01.030.004	2-03-H54 Rigid restraint	0-1439B OFD-121B-2.3	QAL-14	VT-3	NA	24.000 0.000		FILE NO. OS-454, PROBLEM NO. 2-03-01, PG 44.	
F01.030.008	2-03A-GC-0802 Rigid restraint	0-1401A OFD-121D-2.1	QAL-14	VT-3	NA	6.000 0.000		File Number = OSC-457; Problem Number = 2-03A-04 Sht. 1 of 4; Emergency Feedwater Bypass Line	
F01.030.010	2-03A-GC-1214 Rigid restraint	0-1401A OFD-121D-2.1	QAL-14	VT-3	NA	6.000 0.000		File Number = OSC-459; Problem Number = 2-03A-06, Sht. 2 of 4; Emergency Feedwater Sys	
F01.030.021	2-03A-SR8 Rigid restraint	1-0-1401B OFD-121D-2.1	QAL-14	VT-3	NA	6.000 0.000		File Number = OSC-447, Page No. 112; Problem Number = 2-03A-05; EFW to Main Feedwater Line	
F01.030.033	2-14B-JEJ1705 Rigid restraint	0-437B OFD-124B-1.1	QAL-14	VT-3	NA	12.000 0.000		Calculator No. OSC-473; Problem No. 2-14-05 SHT1 OF 3. System 14B; LPSW BETWEEN DISC. NOZZLE OF DECAY HT. COOLER 2B & RB COMP. COOLERS	
<b>Total F01.030 Items:</b>		<b>5</b>							
F01.031.011	2-03A-SR28 Rigid restraint	1-0-1401A OFD-121D-2.1	QAL-14	VT-3	NA	6.000 0.000		File Number = OSC-457; Problem Number = 2-03A-04 Sht. 1 of 4; Emergency Feedwater Bypass Line	
F01.031.013	2-03A-SR4 Rigid restraint	1-0-1401B OFD-121D-2.1	QAL-14	VT-3	NA	6.000 0.000		File Number = OSC-447, Page No. 111; Problem Number = 2-03A-05; EFW to Main Feedwater Line	
F01.031.021	2-57-H4 Rigid restraint	0-1481A OFD-107A-2.1	QAL-14	VT-3	NA	12.000 1.000		FILE NO. OSC-1332-06, PROBLEM NO. 2-57-01, PG 14.1.	
<b>Total F01.031 Items:</b>		<b>3</b>							

CATEGORY F-A, Supports (Category C)

DUKE POWER COMPANY  
QUALITY ASSURANCE TECHNICAL SERVICES  
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Class 3 Weld/Mech Conns at Inter Joints In  
Multiconn Int & Nonint Supp

Inservice Inspection Plan for Interval 3 Outage 4

ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIATHK	CAL BLOCKS	COMMENTS
F01.032.002	2-03-R7 Hyd snubber	0-1401A OFD-121B-2.3	QAL-14	VT-3	NA	24.000 1.000		FILE NO. OS-454, PROBLEM NO. 2-03-01, PG 44.
F01.032.011	2-57-NWIZ Mech snubber	0-1480A OFD-107A-2.1	QAL-14	VT-3	NA	12.000 0.000		FILE NO. OSC-1332-06, PROBLEM NO. 2-57-01, PG 14.1.

Total F01.032 Items: 2

**CATEGORY F-A, Supports**

DUKE POWER COMPANY  
 QUALITY ASSURANCE TECHNICAL SERVICES  
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**Inservice Inspection Plan for Interval 3 Outage 4**

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

ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
F01.040.013	2-LPSW-PU-B	OM-208-0027 OFD-124A-1.1	QAL-14	VT-3	NA	0.000 0.000		Low Pressure Service Water Pump 2B Support Legs & Pad. Class C
F01.040.015	2-MCD-C	OM-202-5 OM-202-25 OFD-121A-2.3	QAL-14	VT-3	NA	0.000 0.000		Main Condenser 2C Support Legs. Class C

Total F01.040 Items:      2

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Total Category F-A Items:    28

**CATEGORY AUG Augmented Inspections**

DUKE POWER COMPANY  
 QUALITY ASSURANCE TECHNICAL SERVICES  
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Inservice Inspection Plan for Interval 3 Outage 4

**Reactor Coolant Pump Flywheel**

ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
G01.001.001	2-RCP-2A1	OM-201D-038 OFD-100A-2.1	NDE-900	UT	CS	72.000 9.500	N/A	Reference Section 7 Paragraph 7.1.1 of the ISI Plan - Volume 1.  RCP 2A1 Flywheel to Other
G01.001.001A	2-RCP-2A1	OM-201D-038 OFD-100A-2.1	NDE-25	MT	CS	72.000 9.500		Reference Section 7 Paragraph 7.1.1 of the ISI Plan - Volume 1.  RCP 2A1 Flywheel to Other
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.  RCP 2A2 Flywheel to Other
G01.001.002A	2-RCP-2A2	OM-201D-038 OFD-100A-2.1	NDE-25	MT	CS	72.000 9.500		Reference Section 7 Paragraph 7.1.1 of the ISI Plan - Volume 1.  RCP 2A2 Flywheel to Other
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.  RCP 2B1 Flywheel to Other
G01.001.003A	2-RCP-2B1	OM-201D-038 OFD-100A-2.1	NDE-25	MT	CS	72.000 9.500		Reference Section 7 Paragraph 7.1.1 of the ISI Plan - Volume 1.  RCP 2B1 Flywheel to Other
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.  RCP 2B2 Flywheel to Other
G01.001.004A	2-RCP-2B2	OM-201D-038 OFD-100A-2.1	NDE-25	MT	CS	72.000 9.500		Reference Section 7 Paragraph 7.1.1 of the ISI Plan - Volume 1.  RCP 2B2 Flywheel to Other
<b>Total G01.001 Items:</b>		<b>6</b>						
<b>Total Category AUG Items:</b>		<b>8</b>						

**CATEGORY AUG, Augmented Inspections**

DUKE POWER COMPANY  
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Longitudinal Pipe Welds With A Nom. Wall  
 Thickness < 3/8" and > NPS 4"

ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
G07.001.002	2-54A-07-10L Longitudinal	2-54A-07 OFD-103A-2.1	NDE-600	UT	SS	8.000 0.250	TBD	Non-Legitimate Weld in Inspect. Category C-F-1. Long seam Weld for 2-54A-07-10. Ref. Sect. 7 Para. 7.1.7 of ISI Plan, Vol. 1.

Total G07.001 Items: 1

Total Category AUG Items: 1

**CATEGORY AUG, Augmented Inspections**

DUKE POWER COMPANY  
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**Inservice Inspection Plan for Interval 3 Outage 4**

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

ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
G09.001.013	2-53B-19-19 Circumferential	2-53B-19(3) OFD-102A-2.2	NDE-35	PT	SS	10.000 0.250		Non-Legitimate Weld in Inspection Category C-F-1. Reference Section 7, Paragraph 7.1.9 in ISI Plan - Volume 1.
G09.001.018	2-53B-27-2 Circumferential	2-53B-27(1) OFD-102A-2.2	NDE-35	PT	SS	10.000 0.250		Non-Legitimate Weld in Inspection Category C-F-1. Reference Section 7, Paragraph 7.1.9 in ISI Plan - Volume 1.
G09.001.023	2-53B-28-30 Circumferential	2-53B-28(2) OFD-102A-2.2	NDE-35	PT	SS	8.000 0.148		Non-Legitimate Weld in Inspection Category C-F-1. Reference Section 7, Paragraph 7.1.9 in ISI Plan - Volume 1.
G09.001.035	2-54A-7-19 Circumferential	2-54A-7 OFD-103A-2.1	NDE-35	PT	SS	8.000 0.250		Non-Legitimate Weld in Inspection Category C-F-1. Reference Section 7, Paragraph 7.1.9 in ISI Plan - Volume 1.
G09.001.036	2-54A-7-28 Circumferential	2-54A-7 OFD-103A-2.1	NDE-35	PT	SS	8.000 0.250		Non-Legitimate Weld in Inspection Category C-F-1. Reference Section 7, Paragraph 7.1.9 in ISI Plan - Volume 1.
G09.001.040	2-56-6-313B Circumferential	2-56-6 OFD-104A-1.1	NDE-35	PT	SS	8.000 0.148		Non-Legitimate Weld in Inspection Category C-F-1. Reference Section 7, Paragraph 7.1.9 in ISI Plan - Volume 1.
G09.001.041	2-56-25-4 Circumferential	2-56-25 OFD-104A-1.1	NDE-35	PT	SS	8.000 0.148		Non-Legitimate Weld in Inspection Category C-F-1. Reference Section 7, Paragraph 7.1.9 in ISI Plan - Volume 1.

**Total G09.001 Items: 7**

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**Total Category AUG Items: 7**

Duke Power Company  
Quality Assurance Technical Services  
Inservice Inspection Plan For:

Oconee Unit 2

Interval 3

ISI Outage 4

Refueling Outage EOC 18

**Pressure Test Listing**

Revision 0

Run Date: March 22, 1994



OCONEE UNIT NUMBER 2  
CLASS A (CATEGORY B-F) REQUIREMENTS  
FOR OUTAGE NUMBER 18

<u>ITEM NO.</u>	<u>DRAWING</u>	<u>REV</u>	<u>TEST</u>	<u>COMP</u>	<u>COMP NAME</u>	<u>REQ. INSP</u>	<u>REQ. PROC</u>	<u>COMMENTS</u>
B15.050.001	SEE COMMENTS	N/A	LEAK	VARIOUS	RC SYSTEM	VT-2	QAL-15	Drawings that make up the Class A Leakage Boundary: OFDL-100A-2.1, OFDL-100A-2.2, OFDL-100A-2.3, OFDL-101A-2.1, OFDL-101A-2.4, OFDL-101A-2.5, OFDL-102A-2.1, OFDL-102A-2.2, OFDL-102A-2.3, OFDL-110A-2.1, OFDL-110A-2.4, OFDL-127B-2.2

OCONEE UNIT NUMBER 2  
CLASS B (CATEGORY C-H) REQUIREMENTS  
FOR OUTAGE NUMBER 18

ITEM NO.	DRAWING	REV	TEST	COMP	COMP NAME	REQ. INSP	REQ. PROC	COMMENTS
C07.030.001	OFDL-101A-2.1	00	INS/FUN	VARIOUS	HPI SYSTEM	VT-2	QAL-15	Penetrations 6 and 7
C07.030.002	OFDL-101A-2.2	00	INSER	VARIOUS	HPI SYSTEM	VT-2	QAL-15	
C07.030.003	OFDL-101A-2.3	00	INSER	VARIOUS	HPI SYSTEM	VT-2	QAL-15	
C07.030.004	OFDL-101A-2.4	00	INS/FUN	VARIOUS	HPI SYSTEM	VT-2	QAL-15	Penetrations 8, 9, 10, 23 and 52
C07.030.005	OFDL-101A-2.5	00	INSER	VARIOUS	HPI SYSTEM	VT-2	QAL-15	
C07.030.006	OFDL-102A-2.1	00	INS/FUN	VARIOUS	LPI SYSTEM	VT-2	QAL-15	Penetrations 36, 37 and 62
C07.030.007	OFDL-104A-1.1	00	FUNCT	VARIOUS	SF SYSTEM	VT-2	QAL-15	
C07.030.009	OFDL-102A-2.2	00	INS/FUN	VARIOUS	LPI SYSTEM	VT-2	QAL-15	Penetrations 15 and 16
C07.030.010	OFDL-102A-2.3	00	FUNCT	VARIOUS	LPI SYSTEM	VT-2	QAL-15	Penetrations 39 and 59
C07.030.011	OFDL-103A-2.1	00	FUNCT	VARIOUS	BS SYSTEM	VT-2	QAL-15	
C07.030.012	OFDL-106E-2.1	00	FUNCT	VARIOUS	DW SYSTEM	VT-2	QAL-15	Penetrations 46 and 55
C07.030.013	OFDL-107A-2.1	00	FUNCT	VARIOUS	CS SYSTEM	VT-2	QAL-15	Penetrations 18 and 38
C07.030.014	OFDL-107A-2.2	00	FUNCT	VARIOUS	CS SYSTEM	VT-2	QAL-15	Penetration 29
C07.030.015	OFDL-107B-2.1	00	FUNCT	VARIOUS	LWD SYSTEM	VT-2	QAL-15	Penetration 5
C07.030.016	OFDL-107D-2.2	00	FUNCT	VARIOUS	LWD SYSTEM	VT-2	QAL-15	Penetration 40
C07.030.017	OFDL-110A-2.1	00	FUNCT	VARIOUS	CA SYSTEM	VT-2	QAL-15	Penetrations 2 and 58
C07.030.018	OFDL-110A-2.3	00	FUNCT	VARIOUS	CA SYSTEM	VT-2	QAL-15	Penetrations 24 and 42
C07.030.019	OFDL-110A-2.4	00	FUNCT	VARIOUS	CA SYSTEM	VT-2	QAL-15	
C07.030.020	OFDL-116A-2.1	00	FUNCT	VARIOUS	PR SYSTEM	VT-2	QAL-15	Penetrations 19 and 20
C07.030.021	OFDL-116C-2.1	00	FUNCT	VARIOUS	PR SYSTEM	VT-2	QAL-15	Penetrations 60 and 61

OCONEE UNIT NUMBER 2  
CLASS B (CATEGORY C-A) REQUIREMENTS  
FOR OUTAGE NUMBER 18

ITEM NO.	DRAWING	REV	TEST	COMP	COMP NAME	REQ. INSP	REQ. PROC	COMMENTS
C07.030.022	OFDL-121B-2.3	00	INS/FUN	VARIOUS	FDW SYSTEM	VT-2	QAL-15	Penetrations 25 and 27
C07.030.023	OFDL-121B-2.5	00	FUNCT	VARIOUS	FDW SYSTEM	VT-2	QAL-15	Penetrations 4 and 43
C07.030.024	OFDL-121D-2.1	00	FUNCT	VARIOUS	EFW SYSTEM	VT-2	QAL-15	Penetrations 17 and 50
C07.030.025	OFDL-122A-2.1	00	INSER	VARIOUS	MS SYSTEM	VT-2	QAL-15	Penetrations 26 and 28
C07.030.026	OFDL-122A-2.2	00	INSER	VARIOUS	MS SYSTEM	VT-2	QAL-15	
C07.030.027	OFDL-122A-2.3	00	INSER	VARIOUS	MS SYSTEM	VT-2	QAL-15	
C07.030.028	OFDL-122A-2.4	00	INSER	VARIOUS	MS SYSTEM	VT-2	QAL-15	
C07.030.029	OFDL-122B-2.1	00	INSER	VARIOUS	MS SYSTEM	VT-2	QAL-15	
C07.030.030	OFDL-124B-2.2	00	FUNCT	VARIOUS	LPSW SYSTEM	VT-2	QAL-15	Penetrations 30, 31, 32, 33, 34 and 35
C07.030.031	OFDL-124B-2.4	00	INSER	VARIOUS	LPSW SYSTEM	VT-2	QAL-15	Penetrations 21 and 22
C07.030.032	OFDL-127B-2.2	00	FUNCT	VARIOUS	N SYSTEM	VT-2	QAL-15	Penetrations 39 and 53
C07.030.034	OFDL-137A-2.3	00	INSER	VARIOUS	BA SYSTEM	VT-2	QAL-15	Penetration 48
C07.030.035	OFDL-137B-1.2	01	FUNCT	VARIOUS	IA SYSTEM	VT-2	QAL-15	Penetration 41
C07.030.036	OFDL-137E-1.1	01	FUNCT	VARIOUS	LRT SYSTEM	VT-2	QAL-15	Penetrations 45 and 51
C07.030.037	OFDL-144A-2.2	00	FUNCT	VARIOUS	CC SYSTEM	VT-2	QAL-15	Penetrations 3 and 54
C07.030.038	OFDL-144A-2.3	00	FUNCT	VARIOUS	CC SYSTEM	VT-2	QAL-15	Penetration 44
C07.040.002	OFDH-101A-2.2	00	HYDRO	VARIOUS	HPI SYSTEM	VT-2	QAL-15	
C07.040.003	OFDH-101A-2.3	00	HYDRO	VARIOUS	HPI SYSTEM	VT-2	QAL-15	
C07.040.006	OFDH-102A-2.1	00	HYDRO	VARIOUS	LPI SYSTEM	VT-2	QAL-15	Penetrations 36, 37 and 62
C07.040.008	OFDH-104A-1.2	01	HYDRO	VARIOUS	SF SYSTEM	VT-2	QAL-15	

OCONEE UNIT NUMBER 2  
CLASS B (CATEGORY C-H) REQUIREMENTS  
FOR OUTAGE NUMBER 18

<u>ITEM NO.</u>	<u>DRAWING</u>	<u>REV</u>	<u>TEST</u>	<u>COMP</u>	<u>COMP NAME</u>	<u>REQ. INSP</u>	<u>REQ. PROC</u>	<u>COMMENTS</u>
C07.040.009	OFDH-102A-2.2	00	HYDRO	VARIOUS	LPI SYSTEM	VT-2	QAL-15	Penetrations 15 and 16

OCONEE UNIT NUMBER 2  
CLASS C (CATEGORY D-A) REQUIREMENTS  
FOR OUTAGE NUMBER 18

ITEM NO.	DRAWING	REV	TEST	COMP	COMP NAME	REQ. INSP	REQ. PROC	COMMENTS
D01.011.001	OFDL-100A-2.3	00	INSER	VARIOUS	RC SYSTEM	VT-2	QAL-15	
D01.011.002	OFDL-101A-2.1	00	INSER	VARIOUS	HPI SYSTEM	VT-2	QAL-15	
D01.011.003	OFDL-101A-2.2	00	INSER	VARIOUS	HPI SYSTEM	VT-2	QAL-15	
D01.011.004	OFDL-101A-2.3	00	INSER	VARIOUS	HPI SYSTEM	VT-2	QAL-15	
D01.011.005	OFDL-101A-2.4	00	INSER	VARIOUS	HPI SYSTEM	VT-2	QAL-15	
D01.011.006	OFDL-101A-2.5	00	INSER	VARIOUS	HPI SYSTEM	VT-2	QAL-15	
D01.011.007	OFDL-102A-2.1	00	INSER	VARIOUS	LPI SYSTEM	VT-2	QAL-15	
D01.011.008	OFDL-109A-1.1	00	INSER	VARIOUS	HP SYSTEM	VT-2	QAL-15	
D01.011.009	OFDL-102A-2.2	00	INSER	VARIOUS	LPI SYSTEM	VT-2	QAL-15	
D01.011.010	OFDL-106A-2.2	00	INSER	VARIOUS	CT SYSTEM	VT-2	QAL-15	
D01.011.011	OFDL-110A-2.1	00	INSER	VARIOUS	CA SYSTEM	VT-2	QAL-15	
D01.011.012	OFDL-110A-2.4	00	INSER	VARIOUS	CA SYSTEM	VT-2	QAL-15	
D01.011.013	OFDL-144A-2.2	00	INSER	VARIOUS	CC SYSTEM	VT-2	QAL-15	

OCONEE UNIT NUMBER 2  
CLASS C (CATEGORY D-B) REQUIREMENTS  
FOR OUTAGE NUMBER 18

ITEM NO.	DRAWING	REV	TEST	COMP	COMP NAME	REQ- INSP	REQ- PROC	COMMENTS
D02.011.002	OFDL-121A-1.8	02	FUNCT	VARIOUS	C SYSTEM	VT-2	QAL-15	
D02.011.003	OFDL-121A-2.3	00	FUNCT	VARIOUS	C SYSTEM	VT-2	QAL-15	
D02.011.004	OFDL-121A-2.7	00	FUNCT	VARIOUS	C SYSTEM	VT-2	QAL-15	
D02.011.005	OFDL-121A-2.8	00	FUNCT	VARIOUS	C SYSTEM	VT-2	QAL-15	
D02.011.006	OFDH-121B-2.3	00	FUNCT	VARIOUS	FDW SYSTEM	VT-2	QAL-15	
D02.011.007	OFDL-121B-2.5	00	FUNCT	VARIOUS	FDW SYSTEM	VT-2	QAL-15	
D02.011.009	OFDL-121D-2.1	00	FUNCT	VARIOUS	EPW SYSTEM	VT-2	QAL-15	
D02.011.011	OFDL-121D-1.2	02	FUNCT	VARIOUS	EPW SYSTEM	VT-2	QAL-15	
D02.011.012	OFDL-122A-2.4	00	FUNCT	VARIOUS	MS SYSTEM	VT-2	QAL-15	
D02.011.013	OFDL-124A-1.1	02	FUNCT	VARIOUS	LPSW SYSTEM	VT-2	QAL-15	
D02.011.014	OFDL-124A-2.3	00	FUNCT	VARIOUS	LPSW SYSTEM	VT-2	QAL-15	
D02.011.015	OFDL-124B-2.1	01	FUNCT	VARIOUS	LPSW SYSTEM	VT-2	QAL-15	
D02.011.016	OFDL-124B-2.2	00	FUNCT	VARIOUS	LPSW SYSTEM	VT-2	QAL-15	
D02.011.017	OFDL-124B-2.4	00	FUNCT	VARIOUS	LPSW SYSTEM	VT-2	QAL-15	
D02.011.018	OFDL-133A-2.1	01	FUNCT	VARIOUS	CCW SYSTEM	VT-2	QAL-15	
D02.011.019	OFDL-133A-2.2	01	FUNCT	VARIOUS	CCW SYSTEM	VT-2	QAL-15	
D02.011.020	OFDL-124C-2.2	00	FUNCT	VARIOUS	CCW SYSTEM	VT-2	QAL-15	
D02.011.021	OFDL-133A-2.3	00	FUNCT	VARIOUS	CCW SYSTEM	VT-2	QAL-15	
D02.011.022	OFDL-133A-2.5	01	FUNCT	VARIOUS	CCW SYSTEM	VT-2	QAL-15	
D02.011.023	OFDL-135A-1.2	00	FUNCT	VARIOUS	FO SYSTEM	VT-2	QAL-15	This is a unit 1 system tested as a unit 2 component.

OCONEE UNIT NUMBER 2  
CLASS C (CATEGORY D-B) REQUIREMENTS  
FOR OUTAGE NUMBER 18

<u>ITEM NO.</u>	<u>DRAWING</u>	<u>REV</u>	<u>TEST</u>	<u>COMP</u>	<u>COMP NAME</u>	<u>REQ. INSP</u>	<u>REQ. PROC</u>	<u>COMMENTS</u>
D02.011.024	OFDL-135B-1.4	00	FUNCT	VARIOUS	DLO SYSTEM	VT-2	QAL-15	This is a Unit 1 drawing but is examined as a Unit 2 component.

Duke Power Company  
Quality Assurance Technical Services  
Inservice Inspection Plan For:

Oconee Unit 2

Interval 3

ISI Outage 5

Refueling Outage EOC 19

## **ISI Inspection Listing**

Revision 0

Run Date: May 11, 1994



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

Reactor Vessel

DUKE POWER COMPANY  
QUALITY ASSURANCE TECHNICAL SERVICES  
Inservice Inspection Database Management System  
Oconee Unit 2

Inservice Inspection Plan for Interval 3 Outage 5

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ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
**** NPS 4 or larger; Nozzle-to-Safe End Butt Welds ****								
B05.010.001	2-RPV-WR53 Circumferential	ISI-OCN2-001 OM-1201-1528	NDE-35	PT	SS/CS	15.625 1.688		A-Side Core Flood Nozzle Safe-End Pc. 89 to Nozzle Pc. 17 (W-Axis). See Request for Relief ONS-001.
				Nozzle to Safe-End				
B05.010.002	2-RPV-WR53A Circumferential	ISI-OCN2-001 OM-1201-1528	NDE-35	PT	SS/CS	15.625 1.688		B-Side Core Flood Nozzle Safe-End Pc. 89 to Nozzle Pc. 17 (Y-Axis). See Request for Relief ONS-001.
				Nozzle to Safe-End				
Total B05.010 Items:		2						

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

**Pressurizer**

DUKE POWER COMPANY  
QUALITY ASSURANCE TECHNICAL SERVICES  
Inservice Inspection Database Management System  
Oconee Unit 2  
Inservice Inspection Plan for Interval 3 Outage 5

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ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
---- NPS 4 or Larger; Nozzle-to-Safe End Butt Welds ----								
B05.040.002	2-PZR-WP45	ISI-OCN2-002	NDE-35	PT	SS/CS	5.625		Pressurizer Spray Line Nozzle Safe-End Pc. 45 to Nozzle Pc. 9.
	Circumferential	B&W149679E				1.375	Nozzle (Pc. 9) to Safe-End Pc. 45	
B05.040.002A	2-PZR-WP45	ISI-OCN2-002	NDE-610	UT	SS/CS	5.625	TBD	Pressurizer Spray Line Nozzle Safe-End Pc. 45 to Nozzle Pc. 9. UT from Nozzle Side.
	Circumferential	B&W149679E				1.375	Nozzle (Pc. 9) to Safe-End Pc. 45	
B05.040.002B	2-PZR-WP45	ISI-OCN2-002	NDE-610	UT	SS/CS	5.625	TBD	Pressurizer Spray Line Nozzle Safe-End Pc. 45 to Nozzle Pc. 9. UT from Safe-End Side.
	Circumferential	B&W149679E				1.375	Nozzle (Pc. 9) to Safe-End Pc. 45	
Total B05.040 Items:		3						

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

Piping

DUKE POWER COMPANY  
QUALITY ASSURANCE TECHNICAL SERVICES  
Inservice Inspection Database Management System  
Oconee Unit 2

Inservice Inspection Plan for Interval 3 Outage 5

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ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
<b>.... NPS 4 or Larger; Dissimilar Metal Butt Welds ....</b>								
B05.130.002	2-PDA1-2 Circumferential	ISI-OCN2-011 OM-1201-966	NDE-610	UT	SS/CS	33.500	40393 2.330	UT from elbow side. Safe-End (Pc. 49) to Elbow (Pc.53)
B05.130.002A	2-PDA1-2 Circumferential	ISI-OCN2-011 OM-1201-966	NDE-610	UT	SS/CS	33.500	40397 2.330	UT from safe-end side. Safe-End (Pc. 49) to Elbow (Pc.53)
B05.130.002B	2-PDA1-2 Circumferential	ISI-OCN2-011 OM-1201-966	NDE-35	PT	SS/CS	33.500	2.330	Safe-End (Pc. 49) to Elbow (Pc.53)
<b>Total B05.130 Items:</b>		<b>3</b>						

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

DUKE POWER COMPANY  
 QUALITY ASSURANCE TECHNICAL SERVICES  
 Inservice Inspection Database Management System  
 Oconee Unit 2  
 Inservice Inspection Plan for Interval 3 Outage 5

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Piping

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

B05.140.009	2-PIA2-11 Circumferential	ISI-OCN2-008 B&W146823E	NDE-35	PT	SS/Inconel	3.500 0.816		Nozzle (Pc. 64) to Safe-End Pc.65
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B05.140.011	2-PIB2-11 Circumferential	ISI-OCN2-010 B&W146823E	NDE-35	PT	CS/Inconel	3.500 0.816		Nozzle (Pc. 64) to Safe-End Pc. 65
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B05.140.013	2-51A-39-87A Circumferential Stress weld	2-51A-39 OFD-101A-2.4	NDE-35	PT	SS/Inconel	2.500 0.750		Pipe to Pipe
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Total B05.140 Items: 3

Total Category B-F Items: 11

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

**Reactor Vessel**

DUKE POWER COMPANY  
QUALITY ASSURANCE TECHNICAL SERVICES  
Inservice Inspection Database Management System  
Oconee Unit 2  
Inservice Inspection Plan for Interval 3 Outage 5

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ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
**** Closure Head Nuts ****								
B06.010.037	2-RPV-26-204-37	OM-1201-4 B&W152009E	NDE-25	MT	CS	9.250 1.300		Reactor Vessel Closure Nut Pc. 26.
B06.010.038	2-RPV-26-204-38	OM-1201-4 B&W152009E	NDE-25	MT	CS	9.250 1.300		Reactor Vessel Closure Nut Pc. 26.
B06.010.039	2-RPV-26-204-39	OM-1201-4 B&W152009E	NDE-25	MT	CS	9.250 1.300		Reactor Vessel Closure Nut Pc. 26.
B06.010.040	2-RPV-26-204-40	OM-1201-4 B&W152009E	NDE-25	MT	CS	9.250 1.300		Reactor Vessel Closure Nut Pc. 26.
B06.010.041	2-RPV-26-204-41	OM-1201-4 B&W152009E	NDE-25	MT	CS	9.250 1.300		Reactor Vessel Closure Nut Pc. 26.
B06.010.042	2-RPV-26-204-42	OM-1201-4 B&W152009E	NDE-25	MT	CS	9.250 1.300		Reactor Vessel Closure Nut Pc. 26.
B06.010.043	2-RPV-26-204-43	OM-1201-4 B&W152009E	NDE-25	MT	CS	9.250 1.300		Reactor Vessel Closure Nut Pc. 26.
B06.010.044	2-RPV-26-204-44	OM-1201-4 B&W152009E	NDE-25	MT	CS	9.250 1.300		Reactor Vessel Closure Nut Pc. 26.
B06.010.045	2-RPV-26-204-45	OM-1201-4 B&W152009E	NDE-25	MT	CS	9.250 1.300		Reactor Vessel Closure Nut Pc. 26.
B06.010.046	2-RPV-26-204-46	OM-1201-4 B&W152009E	NDE-25	MT	CS	9.250 1.300		Reactor Vessel Closure Nut Pc. 26.

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

**Reactor Vessel**

DUKE POWER COMPANY  
QUALITY ASSURANCE TECHNICAL SERVICES  
Inservice Inspection Database Management System  
Oconee Unit 2

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**Inservice Inspection Plan for Interval 3 Outage 5**

ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
B06.010.047	2-RPV-26-204-47	OM-1201-4 B&W152009E	NDE-25	MT	CS	9.250 1.300		Reactor Vessel Closure Nut Pc. 26.
B06.010.048	2-RPV-26-204-63	OM-1201-4 B&W152009E	NDE-25	MT	CS	9.250 1.300		Reactor Vessel Closure Nut Pc. 26.
B06.010.049	2-RPV-26-204-67	OM-1201-4 B&W152009E	NDE-25	MT	CS	9.250 1.300		Reactor Vessel Closure Nut Pc. 26.
B06.010.050	2-RPV-26-204-50	OM-1201-4 B&W152009E	NDE-25	MT	CS	9.250 1.300		Reactor Vessel Closure Nut Pc. 26.
B06.010.051	2-RPV-26-204-51	OM-1201-4 B&W152009E	NDE-25	MT	CS	9.250 1.300		Reactor Vessel Closure Nut Pc. 26.
B06.010.052	2-RPV-26-204-52	OM-1201-4 B&W152009E	NDE-25	MT	CS	9.250 1.300		Reactor Vessel Closure Nut Pc. 26.
B06.010.053	2-RPV-26-204-53	OM-1201-4 B&W152009E	NDE-25	MT	CS	9.250 1.300		Reactor Vessel Closure Nut Pc. 26.
B06.010.054	2-RPV-26-204-54	OM-1201-4 B&W152009E	NDE-25	MT	CS	9.250 1.300		Reactor Vessel Closure Nut Pc. 26.
B06.010.055	2-RPV-26-204-55	OM-1201-4 B&W152009E	NDE-25	MT	CS	9.250 1.300		Reactor Vessel Closure Nut Pc. 26.
B06.010.056	2-RPV-26-204-56	OM-1201-4 B&W152009E	NDE-25	MT	CS	9.250 1.300		Reactor Vessel Closure Nut Pc. 26.

Total B06.010 Items: 20

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

DUKE POWER COMPANY  
QUALITY ASSURANCE TECHNICAL SERVICES  
Inservice Inspection Database Management System  
Duke Unit 2

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**Inservice Inspection Plan for Interval 3 Outage 5**

Reactor Vessel

ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK CAL	BLOCKS	COMMENTS
**** Closure Studs, when removed ****								
B06.030.037	2-RPV-25-204-37	OM-1201-4 B&W152009E	NDE-942	UT	CS	6.500 0.000	TBD	Reactor Vessel Closure Studs - Removed; Pc. 25. Stud Length = 63.250.
B06.030.037A	2-RPV-25-204-37	OM-1201-4 B&W152009E	NDE-25	MT	CS	6.500 0.000		Reactor Vessel Closure Studs - Removed; Pc. 25. Stud Length = 63.250.
B06.030.043	2-RPV-25-204-43	OM-1201-4 B&W152009E	NDE-942	UT	CS	6.500 0.000	TBD	Reactor Vessel Closure Studs - Removed; Pc. 25. Stud Length = 63.250.
B06.030.043A	2-RPV-25-204-43	OM-1201-4 B&W152009E	NDE-25	MT	CS	6.500 0.000		Reactor Vessel Closure Studs - Removed; Pc. 25. Stud Length = 63.250.
B06.030.044	2-RPV-25-204-44	OM-1201-4 B&W152009E	NDE-942	UT	CS	6.500 0.000	TBD	Reactor Vessel Closure Studs - Removed; Pc. 25. Stud Length = 63.250.
B06.030.044A	2-RPV-25-204-44	OM-1201-4 B&W152009E	NDE-25	MT	CS	6.500 0.000		Reactor Vessel Closure Studs - Removed; Pc. 25. Stud Length = 63.250.
B06.030.045	2-RPV-25-204-45	OM-1201-4 B&W152009E	NDE-942	UT	CS	6.500 0.000	TBD	Reactor Vessel Closure Studs - Removed; Pc. 25. Stud Length = 63.250.
B06.030.045A	2-RPV-25-204-45	OM-1201-4 B&W152009E	NDE-25	MT	CS	6.500 0.000		Reactor Vessel Closure Studs - Removed; Pc. 25. Stud Length = 63.250.
B06.030.046	2-RPV-25-204-46	OM-1201-4 B&W152009E	NDE-942	UT	CS	6.500 0.000	TBD	Reactor Vessel Closure Studs - Removed; Pc. 25. Stud Length = 63.250.
B06.030.046A	2-RPV-25-204-46	OM-1201-4 B&W152009E	NDE-25	MT	CS	6.500 0.000		Reactor Vessel Closure Studs - Removed; Pc. 25. Stud Length = 63.250.

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

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Reactor Vessel

ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK CAL BLOCKS	COMMENTS
B06.030.047	2-RPV-25-204-47	OM-1201-4 B&W152009E	NDE-942	UT	CS	6.500 TBD 0.000	Reactor Vessel Closure Studs - Removed; Pc. 25. Stud Length = 63.250.
B06.030.047A	2-RPV-25-204-47	OM-1201-4 B&W152009E	NDE-25	MT	CS	6.500 0.000	Reactor Vessel Closure Studs - Removed; Pc. 25. Stud Length = 63.250.
B06.030.048	2-RPV-25-204-48	OM-1201-4 B&W152009E	NDE-942	UT	CS	6.500 TBD 0.000	Reactor Vessel Closure Studs - Removed; Pc. 25. Stud Length = 63.250.
B06.030.048A	2-RPV-25-204-48	OM-1201-4 B&W152009E	NDE-25	MT	CS	6.500 0.000	Reactor Vessel Closure Studs - Removed; Pc. 25. Stud Length = 63.250.
B06.030.049	2-RPV-25-204-49	OM-1201-4 B&W152009E	NDE-942	UT	CS	6.500 TBD 0.000	Reactor Vessel Closure Studs - Removed; Pc. 25. Stud Length = 63.250.
B06.030.049A	2-RPV-25-204-49	OM-1201-4 B&W152009E	NDE-25	MT	CS	6.500 0.000	Reactor Vessel Closure Studs - Removed; Pc. 25. Stud Length = 63.250.
B06.030.050	2-RPV-25-204-50	OM-1201-4 B&W152009E	NDE-942	UT	CS	6.500 TBD 0.000	Reactor Vessel Closure Studs - Removed; Pc. 25. Stud Length = 63.250.
B06.030.050A	2-RPV-25-204-50	OM-1201-4 B&W152009E	NDE-25	MT	CS	6.500 0.000	Reactor Vessel Closure Studs - Removed; Pc. 25. Stud Length = 63.250.
B06.030.051	2-RPV-25-204-51	OM-1201-4 B&W152009E	NDE-942	UT	CS	6.500 TBD 0.000	Reactor Vessel Closure Studs - Removed; Pc. 25. Stud Length = 63.250.
B06.030.051A	2-RPV-25-204-51	OM-1201-4 B&W152009E	NDE-25	MT	CS	6.500 0.000	Reactor Vessel Closure Studs - Removed; Pc. 25. Stud Length = 63.250.



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

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**Inservice Inspection Plan for Interval 3 Outage 5**

Reactor Vessel

ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK CAL BLOCKS	COMMENTS
B06.030.052	2-RPV-25-204-52	OM-1201-4 B&W152009E	NDE-942	UT	CS	6.500 TBD 0.000	Reactor Vessel Closure Studs - Removed; Pc. 25. Stud Length = 63.250.
B06.030.052A	2-RPV-25-204-52	OM-1201-4 B&W152009E	NDE-25	MT	CS	6.500 0.000	Reactor Vessel Closure Studs - Removed; Pc. 25. Stud Length = 63.250.
B06.030.053	2-RPV-25-204-53	OM-1201-4 B&W152009E	NDE-942	UT	CS	6.500 TBD 0.000	Reactor Vessel Closure Studs - Removed; Pc. 25. Stud Length = 63.250.
B06.030.053A	2-RPV-25-204-53	OM-1201-4 B&W152009E	NDE-25	MT	CS	6.500 0.000	Reactor Vessel Closure Studs - Removed; Pc. 25. Stud Length = 63.250.
B06.030.054	2-RPV-25-204-54	OM-1201-4 B&W152009E	NDE-942	UT	CS	6.500 TBD 0.000	Reactor Vessel Closure Studs - Removed; Pc. 25. Stud Length = 63.250.
B06.030.054A	2-RPV-25-204-54	OM-1201-4 B&W152009E	NDE-25	MT	CS	6.500 0.000	Reactor Vessel Closure Studs - Removed; Pc. 25. Stud Length = 63.250.
B06.030.055	2-RPV-25-204-55	OM-1201-4 B&W152009E	NDE-942	UT	CS	6.500 TBD 0.000	Reactor Vessel Closure Studs - Removed; Pc. 25. Stud Length = 63.250.
B06.030.055A	2-RPV-25-204-55	OM-1201-4 B&W152009E	NDE-25	MT	CS	6.500 0.000	Reactor Vessel Closure Studs - Removed; Pc. 25. Stud Length = 63.250.
B06.030.056	2-RPV-25-204-56	OM-1201-4 B&W152009E	NDE-942	UT	CS	6.500 TBD 0.000	Reactor Vessel Closure Studs - Removed; Pc. 25. Stud Length = 63.250.
B06.030.056A	2-RPV-25-204-56	OM-1201-4 B&W152009E	NDE-25	MT	CS	6.500 0.000	Reactor Vessel Closure Studs - Removed; Pc. 25. Stud Length = 63.250.

Total B06.030 Items: 30

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

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Reactor Vessel

ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIATHK	CAL BLOCKS	COMMENTS
**** Threads in Flange ****								
B06.040.001A	2-RPV-LIGAMENTS	B&W151997E	NDE-640	UT	CS	200.000	40387 12.500	Reactor Vessel Flange Threads; Stud Holes 14 Thru 16, 34 Thru 60.

Total B06.040 Items: 1

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

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Reactor Vessel

ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
.... Closure Washers, Bushings ....								
B06.050.001C	2-RPV-WASH-BUSH	B&W152009E	QAL-13	VT-1	CS	9.750 0.000		Reactor Vessel Closure Washers and Bushings. Stud Holes 37, 43 Thru 56.

Total B06.050 Items: 1

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

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Pressurizer

ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
**** Flange Surface, when connection disassembled ****								
B06.070.001	2-PZR-MW-FLANGE	B&W149762E	QAL-13	VT-1	CS	28.000 0.000		Pressurizer Manway Flange Surface; Includes 1" Annular Surface surrounding each stud. Inspect when connection is disassembled.

Total B06.070 Items: 1

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

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Pumps

ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK CAL BLOCKS	COMMENTS
**** Bolts and Studs ****							
B06.180.001	2-RCP-2A1-FB	OM-1201D-0005 OM-1201-1217	NDE-942	UT	CS	3.750 TBD 0.000	Reactor Coolant Pump 2A1 Main Flange Bolts - Pc. 19 (Total 20 Bolts). Length = 32.00".
B06.180.002	2-RCP-2A2-FB	OM-1201D-0005 OM-1201-1217	NDE-942	UT	CS	3.750 TBD 0.000	Reactor Coolant Pump 2A2 Main Flange Bolts - Pc. 19 (Total 20 Bolts). Length = 32.00".
B06.180.005	2-RCP-2A1-SEAL	OM-1201D-0057	NDE-942	UT	CS	2.250 TBD 0.000	Reactor Coolant Pump 2A1 Seal Gland Bolts (8 Total). Length = 11.750.
B06.180.007	2-RCP-2B1-SEAL	OM-1201D-0057	NDE-942	UT	CS	2.250 TBD 0.000	Reactor Coolant Pump 2B1 Seal Gland Bolts (8 Total). Length = 11.750.
Total B06.180 Items:		4					

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

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Pumps

ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIATHK	CAL BLOCKS	COMMENTS
**** Flange Surface, when connection disassembled ****								
B06.190.001	2-RCP-2A1-FLANGE	OM-1201D-0005 OM-1201-1217	QAL-13	VT-1	SS	0.000 0.000		Reactor Coolant Pump 2A1 Main Flange, including 1" Annular Surface of Flange surrounding each stud. (Inspect only if disassembled.)
B06.190.002	2-RCP-2A2-FLANGE	OM-1201D-0005 OM-1201-1217	QAL-13	VT-1	SS	0.000 0.000		Reactor Coolant Pump 2A1 Main Flange, including 1" Annular Surface of Flange surrounding each stud. (Inspect only if disassembled.)
B06.190.003	2-RCP-2B1-FLANGE	OM-1201D-0005 OM-1201-1217	QAL-13	VT-1	SS	0.000 0.000		Reactor Coolant Pump 2A1 Main Flange, including 1" Annular Surface of Flange surrounding each stud. (Inspect only if disassembled.)
B06.190.004	2-RCP-2B2-FLANGE	OM-1201D-0005 OM-1201-1217	QAL-13	VT-1	SS	0.000 0.000		Reactor Coolant Pump 2A1 Main Flange, including 1" Annular Surface of Flange surrounding each stud. (Inspect only if disassembled.)
<b>Total B06.190 Items:</b>		<b>4</b>						

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

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**Pumps**

ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
**** Nuts, Bushings, and Washers ****								
B06.200.001	2-RCP-2A1-NUTS	OM-1201.D-0057	QAL-13	VT-1	CS	0.000 0.000		Reactor Coolant Pump 2A1 Main Flange; 20 Nuts, Bushings, Washers.
B06.200.002	2-RCP-2A2-NUTS	OM-1201.D-0057	QAL-13	VT-1	CS	0.000 0.000		Reactor Coolant Pump 2A2 Main Flange; 20 Nuts, Bushings, Washers.
B06.200.006	2-RCP-2A2-WASHER	OM-1201D-0057	QAL-13	VT-1	NA	0.000 0.000		Reactor Coolant Pump 2A2 Seal Gland Nuts & Washers. ( 8 Each)
B06.200.008	2-RCP-2B2-WASHER	OM-1201D-0057	QAL-13	VT-1	NA	0.000 0.000		Reactor Coolant Pump 2B2 Seal Gland Nuts & Washers. ( 8 Each)
<hr/>								
Total B06.200 Items:		4						
Total Category B-G-1 Items:		65						

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

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Pressurizer

ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
**** Bolts, Studs, and Nuts ****								
B07.020.003	2-PZR-LHB-STUDS	B&W149775E	QAL-13	VT-1	CS	2.000 0.000		Pressurizer Lower Heater Bundle Studs Pc. 75 (Total 16 Studs). Length = 19.312".

Total B07.020 Items: 1



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

**Steam Generators**

DUKE POWER COMPANY  
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**Inservice Inspection Plan for Interval 3 Outage 5**

ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
<b>**** Bolts, Studs, and Nuts ****</b>								
B07.030.007	2-SGB-UHIC-BOLT	OM-1201-1477	QAL-13	VT-1	SS	1.000 0.000		Steam Generator 2B Upper Head Inspection Cover Studs & Nuts (Total 12 Studs Pc. 112 and Nuts Pc. 110). Length = 6.000".
B07.030.008	2-SGB-LHIC-BOLT	OM-1201-1477	QAL-13	VT-1	SS	1.000 0.000		Steam Generator 2B Lower Head Inspection Cover Studs & Nuts (Total 12 Studs Pc. 112 and Nuts Pc. 110). Length = 6.000".
<b>Total B07.030 Items:</b>		<b>2</b>						

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

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Valves

ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
**** Bolts, Studs, and Nuts ****								
B07.070.001	2-53A-CF11-BOLTS	OM-245-001 OFD-102A-2.3	QAL-13	VT-1	CS	0.000 0.000		Core Flood A - Valve 2CF-11 Bolting.
B07.070.002	2-53A-CF12-BOLTS	OM-245-001 OFD-102A-2.3	QAL-13	VT-1	CS	0.000 0.000		Core Flood A - Valve CF-12 Bolting.
B07.070.005	2-53A-LP47-BOLTS	OM-245-001 OFD-102A-2.2	QAL-13	VT-1	SS	0.000 0.000		Low Pressure Injection Valve LP-47 Bolting.
B07.070.008	2-53A-LP2-BOLTS	OM-245-001 OFD-102A-2.1	QAL-13	VT-1	SS	0.000 0.000		Decay Heat Removal. Valve LP-2 Bolting.
B07.070.014	2-51A-HP152-BOLTS	OM-246-015 OFD-101A-2.3	QAL-13	VT-1	NA	0.000 0.000		High Pressure Injection Valve HP-152. Valve Bolting.
B07.070.016	2-53A-LP104-BOLTS	OM-245-1255 OFD-102A-2.1	QAL-13	VT-1	NA	0.000 0.000		Decay Heat Emergency Dump Valve LP-104. Valve Bolting. Bolting.
B07.070.017	2-53A-LP103-BOLTS	OM-245-1255 OFD-102A-2.1	QAL-13	VT-1	NA	0.000 0.000		Decay Heat Emergency Dump Valve. Valve LP-103 Bolting.
<b>Total B07.070 Items:</b>		<b>7</b>						

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

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CRD Housings

ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIATHK 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 & 60 Inspected to date. (Inspect only if disassembled). Reference Request for Relief ONS-004 and ONS-005.
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 & 60)Inspected to date.(Inspect only if disassembled).

Total B07.080 Items: 2

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Total Category B-G-2 Items: 12

**CATEGORY B-J, Pressure Retaining Welds  
In Piping**

**NPS 4 or Larger**

**DUKE POWER COMPANY  
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ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
**** Circumferential Welds ****								
B09.011.005	2-53A-8-15 Circumferential	2-53A-8(1) OFD-102A-2.2	NDE-600	UT	SS	10.000	40399 1.000	Valve (2LP-47) to Elbow
B09.011.005A	2-53A-8-15 Circumferential	2-53A-8(1) OFD-102A-2.2	NDE-35	PT	SS	10.000	1.000	Valve (2LP-47) to Elbow
B09.011.011	2-53A-8-63 Circumferential Term end	2-53A-8(2) OFD-102A-2.3 ISI-OCN2-001	NDE-600	UT	SS	14.000	40389 1.250	TERMINAL END Pipe to SAFE END P.C.89
B09.011.011A	2-53A-8-63 Circumferential Term end	2-53A-8(2) OFD-102A-2.3 ISI-OCN2-001	NDE-35	PT	SS	14.000	1.250	See Request for Relief ONS-001. TERMINAL END Pipe to SAFE END PC.89
B09.011.013	2-53A-8-64 Circumferential Term end	2-53A-8(3) OFD-102A-2.3 ISI-OCN2-001	NDE-600	UT	SS	14.000	40389 1.250	TERMINAL END Pipe to SAFE END PC.89
B09.011.013A	2-53A-8-64 Circumferential Term end	2-53A-8(3) OFD-102A-2.3 ISI-OCN2-001	NDE-35	PT	SS	14.000	1.250	See Request for Relief ONS-001. TERMINAL END Pipe to SAFE END PC.89
B09.011.032	2-PDA1-8 Circumferential Term end	ISI-OCN2-011	NDE-600 ISI-138	UT	CS	33.500	40350 3.000	TERMINAL END Nozzle to Pipe
B09.011.032A	2-PDA1-8 Circumferential Term end	ISI-OCN2-011	NDE-25	MT	CS	33.500	3.000	See Request for Relief ONS-002. TERMINAL END Nozzle to Pipe
B09.011.034	2-PDB1-8 Circumferential Term end	ISI-OCN2-013	NDE-600 ISI-138	UT	CS	33.500	40350 3.000	TERMINAL END Nozzle to Pipe
B09.011.034A	2-PDB1-8 Circumferential Term end	ISI-OCN2-013	NDE-25	MT	CS	33.500	3.000	See Request for Relief ONS-002. TERMINAL END Nozzle to Pipe

**CATEGORY B-J, Pressure Retaining Welds  
In Piping**

**NPS 4 or Larger**

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ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIATHK	CAL	BLOCKS	COMMENTS
B09.011.037	2-PSL-2	ISI-OCN2-015 OFD-100A-2.2	NDE-600	UT	SS	10.000	40399	1.000	Elbow to Pipe
B09.011.037A	2-PSL-2	ISI-OCN2-015 OFD-100A-2.2	NDE-35	PT	SS	10.000		1.000	Elbow to Pipe
B09.011.039	2-PSL-4	ISI-OCN2-015 OFD-100A-2.2	NDE-600	UT	SS	10.000	40399	1.000	Elbow to Pipe
B09.011.039A	2-PSL-4	ISI-OCN2-015 OFD-100A-2.2	NDE-35	PT	SS	10.000		1.000	Elbow to Pipe
B09.011.041	2-PSL-6	ISI-OCN2-015 OFD-100A-2.2	NDE-600	UT	SS	10.000	40399	1.000	Pipe to Elbow
B09.011.041A	2-PSL-6	ISI-OCN2-015 OFD-100A-2.2	NDE-35	PT	SS	10.000		1.000	Pipe to Elbow

**Total B09.011 Items: 16**

**CATEGORY B-J, Pressure Retaining Welds  
In Piping**

**Less Than NPS 4**

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ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
**** Circumferential Welds ****								
B09.021.009	2-51A-146-9 Circumferential	2-51A-146 OFD-101A-2.1	NDE-35	PT	SS	3.000 0.438		Pipe to Reducer
B09.021.013	2-51A-27-59 Circumferential	2-51A-27 (2) OFD-101A-2.4	NDE-35	PT	SS	2.500 0.375		Pipe to Elbow
B09.021.015	2-51A-27-69 Circumferential	2-51A-27 (2) OFD-101A-2.4	NDE-35	PT	SS	2.500 0.375		Pipe to Elbow
B09.021.017	2-51A-27-57B Circumferential	2-51A-27 (3) OFD-101A-2.4	NDE-35	PT	SS	2.500 0.375		Reducer to Pipe
B09.021.019	2-51A-27-90 Circumferential	2-51A-27 (3) OFD-101A-2.4	NDE-35	PT	SS	2.500 0.375		Pipe to Flange
B09.021.021	2-51A-27-97A Circumferential	2-51A-27 (3) OFD-101A-2.4	NDE-35	PT	SS	2.500 0.375		Elbow to Pipe
B09.021.026	2-51A-30-30 Circumferential	2-51A-30 OFD-101A-2.4	NDE-35	PT	SS	2.500 0.375		Pipe to Elbow
B09.021.028	2-51A-30-36A Circumferential	2-51A-30 OFD-101A-2.4	NDE-35	PT	SS	2.500 0.375		Pipe to Pipe
B09.021.046	2-50-44-3 Circumferential	2-50-44 OFD-100A-2.2	NDE-35	PT	SS	3.000 0.438		Valve (Valve 2RC-4) to Reducer
B09.021.055	2-PSP-5 Circumferential Stress weld	ISI-OCN2-016 OFD-100A-2.2	NDE-35	PT	SS	2.500 0.375		Pipe to Elbow

**CATEGORY B-J, Pressure Retaining Welds  
In Piping**

**Less Than NPS 4**

DUKE POWER COMPANY  
QUALITY ASSURANCE TECHNICAL SERVICES  
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ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
B09.021.057	2-PSP-8	ISI-OCN2-016 OFD-100A-2.2	NDE-35	PT	SS	2.500 0.375		Pipe to Valve (Valve 2RC-003)
B09.021.60	2-PSP-15	ISI-OCN2-016 OFD-100A-2.2	NDE-35	PT	SS	2.500 0.375		Tee to Pipe
Total B09.021 Items:		12						

**CATEGORY B-J, Pressure Retaining Welds  
In Piping**

DUKE POWER COMPANY  
 QUALITY ASSURANCE TECHNICAL SERVICES  
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Branch Pipe Connection Welds

ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIATHK CAL	BLOCKS	COMMENTS
**** Less Than NPS 4 ****								
B09.032.002	2-PDA1-10	ISI-OCN2-011	NDE-25	MT	CS	3.000		A1 Discharge HPI Nozzle
	Branch	OM-1201-966				2.250		
	Stress weld	OM-1201-969						Nozzle ( Pc. 46) to Pipe ( Pc. 44)

Total B09.032 Items: 1



**CATEGORY B-J, Pressure Retaining Welds**

**In Piping**

Socket Welds

DUKE POWER COMPANY  
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ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIATHK	CAL BLOCKS	COMMENTS
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B09.040.003	2-50-129-25	2-50-129 OFD-100A-2.2	NDE-35	PT	SS	1.500 0.281		Pipe to Valve (Valve 2LP-131)
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Total B09.040 Items: 1

Total Category B-J Items: 30

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

DUKE POWER COMPANY  
 QUALITY ASSURANCE TECHNICAL SERVICES  
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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 Circumferential	ISI-OCN2-007 OM-1201D-0005 OM-1201-0001	NDE-12	RT	SS	68.000 0.000		Reactor Coolant Pump 2A1 Casing Weld. (Inspect only if pump is disassembled for maintenance purposes, repair, ect.) See Request for Relief ONS-008 Volume 1 Section 9.
B12.010.002	2-RCP-2A2 Circumferential	ISI-OCN2-008 OM-1201D-0005 OM-1201-0001	NDE-12	RT	SS	68.000 0.000		Reactor Coolant Pump 2A2 Casing Weld. (Inspect only if pump is disassembled)
B12.010.003	2-RCP-2B1 Circumferential	ISI-OCN2-009 OM-1201D-0005 OM-1201-0001	NDE-12	RT	SS	68.000 0.000		Reactor Coolant Pump 2B1 Casing Weld. (Inspect only if pump is disassembled)
B12.010.004	2-RCP-2B2 Circumferential	ISI-OCN2-010 OM-1201D-0005 OM-1201-0001	NDE-12	RT	SS	68.000 0.000		Reactor Coolant Pump 2B2 Casing Weld. (Inspect only if pump is disassembled)
Total B12.010 Items:		4						

**CATEGORY B-L-2, Pump Casings**

DUKE POWER COMPANY  
 QUALITY ASSURANCE TECHNICAL SERVICES  
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**Inservice Inspection Plan for Interval 3 Outage 5**

**Pumps**

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 OM-1201D-0005 OM-1201-0001	QAL-14	VT-3	SS	68.000 0.000		Reactor Coolant Pump 2A1 Casing Internal Surfaces. (Inspect only if pump is disassembled for maintenance purposes, repair,ect.)
B12.020.002	2-RCP-2A2-CASING	ISI-OCN2-008 OM-1201D-0005 OM-1201-0001	QAL-14	VT-3	SS	68.000 0.000		Reactor Coolant Pump 2A2 Casing Internal Surfaces. (Inspect only if pump is disassembled for maintenance purposes, repair,ect.)
B12.020.003	2-RCP-2B1-CASING	ISI-OCN2-009 OM-1201D-0005 OM-1201-0001	QAL-14	VT-3	SS	68.000 0.000		Reactor Coolant Pump 2B1 Casing Internal Surfaces. (Inspect only if pump is disassembled for maintenance purposes, repair,ect.)
B12.020.004	2-RCP-2B2-CASING	ISI-OCN2-010 OM-1201D-0005 OM-1201-0001	QAL-14	VT-3	SS	68.000 0.000		Reactor Coolant Pump 2B2 Casing Internal Surfaces. (Inspect only if pump is disassembled for maintenance purposes, repair,ect.)
Total B12.020 items:		4						

**CATEGORY B-M-2, Valve Bodies**

DUKE POWER COMPANY  
 QUALITY ASSURANCE TECHNICAL SERVICES  
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**Valves**

ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
<b>**** Valve Body, Exceeding NPS 4 ****</b>								
B12.050.001	2-53A-CF11	OM-245-001 OFD-102A-2.3	QAL-14	VT-3	SS	14.250 0.000		A-Side Core Flood (W-Axis) Valve Body - Valve CF-11. (Inspect only if valve is disassembled for maintenance purposes, valve repair, etc.)
B12.050.002	2-53A-CF12	OM-245-001 OFD-102A-2.3	QAL-14	VT-3	SS	14.250 0.000		A-Side Core Flood (W-Axis) Valve Body - Valve CF-12. (Inspect only if valve is disassembled for maintenance purposes, valve repair, etc.)
B12.050.003	2-53A-CF13	OM-245-001 OFD-102A-2.3	QAL-14	VT-3	SS	14.250 0.000		B-Side Core Flood (Y-Axis) Valve Body - Valve CF-13. (Inspect only if valve is disassembled for maintenance purposes, valve repair, etc.)
B12.050.004	2-53A-CF14	OM-245-001 OFD-102A-2.3	QAL-14	VT-3	SS	14.250 0.000		B-Side Core Flood (Y-Axis) Valve Body - Valve CF-14. (Inspect only if valve is disassembled for maintenance purposes, valve repair, etc.)
B12.050.005	2-53A-LP47	OM-245-001 OFD-102A-2.2	QAL-14	VT-3	SS	14.250 0.000		B-Side LPI Valve Body- Valve LP-47. (Inspect only if valve is disassembled for maintenance purposes, valve repair, etc.)
B12.050.006	2-53A-LP48	OM-245-001 OFD-102A-2.2	QAL-14	VT-3	SS	10.937 0.000		B-Side LPI Valve Body- Valve LP-48. (Inspect only if valve is disassembled for maintenance purposes, valve repair, etc.)
B12.050.007	2-53A-LP1	OM-201-165 OFD-102A-2.1	QAL-14	VT-3	SS	12.968 0.000		Decay Heat Suction Valve LP-1. (Inspect only if valve is disassembled for maintenance purposes, valve repair, etc.)
B12.050.008	2-53A-LP2	OM-201-165 OFD-102A-2.1	QAL-14	VT-3	SS	12.968 0.000		Decay Heat Valve LP-2. (Inspect only if valve is disassembled for maintenance purposes, valve repair, etc.)

**Total B12.050 Items: 8**

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**Total Category B-M-2 Items: 16**

**CATEGORY B-O, Pressure Retaining Welds  
In Control Rod Housings**

Reactor Vessel

DUKE POWER COMPANY  
QUALITY ASSURANCE TECHNICAL SERVICES  
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ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
**** Welds In CRD Housing ****								
B14.010.001	2-RPV-CRD-58WH9	OM-1201-1529 OM-1201-1530	NDE-35	PT	SS/Inconel	4.025 0.650		CRDM Housing Body to Adapter MK - 67 to MK- 55. Housing Body to Adapter
B14.010.005	2-RPV-CRD-58W60	DPS 706599-1056 OM-1201-1530	NDE-35	PT	SS/CS	5.000 0.500		CRDM Base to Motor Tube - CRDM # 58. CRDM Base to Motor Tube
B14.010.008	2-RPV-CRD-58	DPS 706599-1056 OM-1201-1530	NDE-35	PT	SS/CS	4.300 0.400		CRDM Motor Tube to Extension - CRDM # 58. CRDM Motor Tube to Extension
B14.010.011	2-RPV-CRD-58W61	DPS 706599-1056 OM-1201-1530	NDE-35	PT	SS	4.190 0.380		Peripheral CRDM Extension to Cap - CRDM # 58. Extension to Cap
Total B14.010 Items:								4
Total Category B-O Items:								4

CATEGORY B-Q, Steam Generator Tubing

DUKE POWER COMPANY  
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Steam Generator Tubing In Straight Tube Design

ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DI/THK	CAL BLOCKS	COMMENTS
**** Steam Generator Tubing In Straight Tube Design ****								
B16.011.001	2-SGA-TUBES		ET	NA	0.000	0.000		Information on S/G Tube examinations can be acquired from the Diversified Services Group of the Generation Services Department, Duke Power Company.
B16.011.002	2-SGB-TUBES		ET	NA	0.000	0.000		Information on S/G Tube examinations can be acquired from the Diversified Services Group of the Generation Services Department, Duke Power Company.

Total B16.011 Items: 2

Total Category B-Q Items: 2

**CATEGORY C-A, Pressure Retaining Welds  
In Pressure Vessels**

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**Shell Circumferential Welds**

ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS	
C01.010.004	2-SGB-WG8-4 Circumferential	ISI-OCN2-004 OM-1201-450	NDE-620 NDE-640	UT	CS	138.000 4.188	40339	Steam Generator 2B Shell Pc. 5 to Shell Pc. 6. SGB Shell to SGB Shell	
C01.010.008	2-BWST-STS-4 Circumferential	OM-1201-80 OFD-102A-2.1	NDE-630	UT	SS	0.000 0.520	TBD	Borated Water Storage Tank Shell to Shell	
C01.010.009	2-RC-STR-SH-1 Circumferential	OM-240-0076 OFD-101A-2.5	NDE-630	UT	SS	6.625 0.216	TBD	SSF Make- up Strainer Pc. 1 Body to Pc. 1 Body. Strainer Body to Strainer Body	
<b>Total C01.010 Items:</b>		<b>3</b>							

**CATEGORY C-A. Pressure Retaining Welds  
In Pressure Vessels**

**Head Circumferential Welds**

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ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
C01.020.001	2-BWST-HTS-1 Circumferential	OM-1201-80 OFD-102A-2.1	NDE-630	UT	SS	0.000 0.311	TBD	Borated Water Storage Tank Head to Shell
C01.020.003	2-51A-33-56 Circumferential	2-51A-33 OFD-101A-2.1	NDE-630	UT	SS	14.000 1.406	TBD	N-16 Decay Tank : Bottom Head to Shell. Head to Shell

Total C01.020 Items: 2

Total Category C-A Items: 5



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

DUKE POWER COMPANY  
QUALITY ASSURANCE TECHNICAL SERVICES  
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**Inservice Inspection Plan for Interval 3 Outage 5**

Piping

ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIAM	CAL BLOCKS	COMMENTS
**** Integrally Welded Attachments ****								
C03.020.005	2-01A-H14 Rigid restraint	0-1441 OFD-122A-2.1	NDE-25	MT	CS	36.000 0.750		FILE NO. OSC-440 PROBLEM NO. 2-01-01 PAGE 40 MAIN STEAM PIPING
C03.020.015	2-01A-R6 Mech snubber	0-1401B OFD-122A-2.1	NDE-25	MT	CS	36.000 1.000		FILE NO. OSC-440 PROBLEM NO. 2-01-01 PAGE 40 MAIN STEAM PIPING
C03.020.018	2-03-H16A Rigid restraint	0-1481A OFD-121B-2.3	NDE-25	MT	CS	24.000 1.000		MAIN FEEDWATER WEST GEN. 2B, DWG 0-1490B-3.
C03.020.041	2-53B-DE051 Rigid restraint	0-435B OFD-102A-2.2	NDE-35	PT	SS	14.000 0.750		FILE NO. OS-487, PROBLEM NO. 2-53-01, SHT 4 OF 5. L. P. INJECTION & DECAY HEAT REMOVAL SYSTEM 53B.
C03.020.045	2-53B-H2 Spring hanger	5-0-1444 OFD-102A-2.2	NDE-35	PT	SS	10.000 1.750		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".
C03.020.046	2-53B-H3 Spring hanger	5-0-1444 OFD-102A-2.2	NDE-35	PT	SS	10.000 1.250		FILE NO. OS-487, PROBLEM NO. 2-53-01, SHT 3 OF 5. L. P. INJECTION & DECAY HEAT REMOVAL SYSTEM 53B.
C03.020.047	2-53B-H5 Rigid restraint	2-0-436E OFD-101A-2.3	NDE-35	PT	SS	8.000 1.000		File Number = OSC-481, Page 144; Problem Number = 51-2; System 53B
C03.020.049	2-53B-H7 Rigid restraint	2-0-436E OFD-101A-2.3	NDE-35	PT	SS	6.000 0.750		File Number = OSC-481, Page 143; Problem Number = 51-2
C03.020.051	2-53B-R16 Rigid restraint	5-0-1436A OFD-102A-2.2	NDE-35	PT	SS	10.000 1.000		FILE NO. OS-487, PROBLEM NO. 2-53-01, SHT 4 OF 5. L. P. INJECTION & DECAY HEAT REMOVAL SYSTEM 53B.
C03.020.052	2-53B-R5 Rigid restraint	7-0-436E OFD-101A-2.3	NDE-35	PT	SS	6.000 0.750		File Number = OSC-481, Page 143; Problem Number = 51-2

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

DUKE POWER COMPANY  
QUALITY ASSURANCE TECHNICAL SERVICES  
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Piping

ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
C03.020.063	2-SGA-WG87-ZW Rigid restraint	OM-201-1054 OFD-121B-2.3	NDE-25	MT	CS	0.000 1.000		SGA FDW. HDR. S/R ATTACH. Z-W QUAD. NEAR Z-AXIS
C03.020.065	2-SGB-WG87-WX Rigid restraint	OM-201-1054 OFD-121B-2.3	NDE-25	MT	CS	0.000 1.000		SGB FDW. HDR. S/R ATTACH. W-X QUAD. NEAR W-AXIS
C03.020.067	2-SGB-WG87-XW Rigid restraint	OM-201-1054 OFD-121B-2.3	NDE-25	MT	CS	0.000 1.000		SGB FDW. HDR. S/R ATTACH. X-W QUAD. NEAR X-AXIS
Total C03.020 Items:		13						
Total Category C-C Items:		13						

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

DUKE POWER COMPANY  
QUALITY ASSURANCE TECHNICAL SERVICES  
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**Inservice Inspection Plan for Interval 3 Outage 5**

**Piping Welds  $\geq$  3/8 In. Nominal Wall Thickness for  
Piping  $>$  NPS 4**

ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
<b>**** Circumferential Weld ****</b>								
C05.011.011	2-53A-9-41	2-53A-9 OFD-102A-2.3	NDE-600	UT	SS	10.000	40354 1.125	Pipe to Elbow
C05.011.011A	2-53A-9-41	2-53A-9 OFD-102A-2.3	NDE-35	PT	SS	10.000	1.125	Pipe to Elbow
C05.011.012	2-53A-9-42	2-53A-9 OFD-102A-2.3	NDE-600	UT	SS	10.000	40354 1.125	Pipe to Valve (2LP-17)
C05.011.012A	2-53A-9-42	2-53A-9 OFD-102A-2.3	NDE-35	PT	SS	10.000	1.125	Pipe to Valve (2LP-17)
<b>Total C05.011 Items: 4</b>								

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

**Piping Welds > 1/5 In. Nom Wall For Piping ≥  
NPS 2 And ≤ NPS 4**

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ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
**** Circumferential Weld ****								
C05.021.013	2-51A-132-10	2-51A-132 OFD-101A-2.4	NDE-600	UT	SS	4.000	40406	0.531 Valve (Valve 2HP-409) to Pipe
C05.021.013A	2-51A-132-10	2-51A-132 OFD-101A-2.4	NDE-35	PT	SS	4.000		0.531 Valve (Valve 2HP-409) to Pipe
C05.021.014	2-51A-132-3	2-51A-132 OFD-101A-2.4	NDE-600	UT	SS	4.000	40406	0.531 Pipe to Elbow
C05.021.014A	2-51A-132-3	2-51A-132 OFD-101A-2.4	NDE-35	PT	SS	4.000		0.531 Pipe to Elbow
C05.021.015	2-51A-132-9	2-51A-132 OFD-101A-2.4	NDE-600	UT	SS	4.000	40406	0.531 Elbow to Valve (Valve 2HP-409)
C05.021.015A	2-51A-132-9	2-51A-132 OFD-101A-2.4	NDE-35	PT	SS	4.000		0.531 Elbow to Valve (Valve 2HP-409)
C05.021.016	2-51A-133-10	2-51A-133 OFD-101A-2.4	NDE-600	UT	SS	4.000	40406	0.531 Elbow to Pipe
C05.021.016A	2-51A-133-10	2-51A-133 OFD-101A-2.4	NDE-35	PT	SS	4.000		0.531 Elbow to Pipe
C05.021.017	2-51A-133-3	2-51A-133 OFD-101A-2.4	NDE-600	UT	SS	4.000	40406	0.531 Pipe to Elbow
C05.021.017A	2-51A-133-3	2-51A-133 OFD-101A-2.4	NDE-35	PT	SS	4.000		0.531 Pipe to Elbow

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

**Piping Welds > 1/5 In. Nom Wall For Piping ≥  
NPS 2 And ≤ NPS 4**

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QUALITY ASSURANCE TECHNICAL SERVICES  
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ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
C05.021.018	2-51A-17-1	2-51A-17 (1) OFD-101A-2.3	NDE-600	UT	SS	4.000	50438 0.237	TERMINAL END  Flange to Elbow
C05.021.018A	2-51A-17-1	2-51A-17 (1) OFD-101A-2.3	NDE-35	PT	SS	4.000	0.237	TERMINAL END  Flange to Elbow
C05.021.045	2-51A-29-1	2-51A-29 OFD-101A-2.4	NDE-600	UT	SS	4.000	40406 0.531	Tee to Pipe
C05.021.046A	2-51A-29-1	2-51A-29 OFD-101A-2.4	NDE-35	PT	SS	4.000	0.531	Tee to Pipe
C05.021.047	2-51A-29-2	2-51A-29 OFD-101A-2.4	NDE-600	UT	SS	4.000	40406 0.531	Tee to Pipe
C05.021.047A	2-51A-29-2	2-51A-29 OFD-101A-2.4	NDE-35	PT	SS	4.000	0.531	Tee to Pipe
C05.021.048	2-51A-31-1	2-51A-31 OFD-101A-2.1	NDE-600	UT	SS	4.000	40406 0.674	Valve (Valve 2HP-2) to Elbow
C05.021.048A	2-51A-31-1	2-51A-31 OFD-101A-2.1	NDE-35	PT	SS	4.000	0.674	Valve (Valve 2HP-2) to Elbow
C05.021.049	2-51A-31-5	2-51A-31 OFD-101A-2.1	NDE-600	UT	SS	4.000	40406 0.674	Elbow to Pipe
C05.021.049A	2-51A-31-5	2-51A-31 OFD-101A-2.1	NDE-35	PT	SS	4.000	0.674	Elbow to Pipe

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

**Piping Welds > 1/5 In. Nom Wall For Piping ≥  
NPS 2 And ≤ NPS 4**

DUKE POWER COMPANY  
QUALITY ASSURANCE TECHNICAL SERVICES  
Inservice Inspection Database Management System  
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ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
C05.021.050	2-51A-31-52 Circumferential	2-51A-31 OFD-101A-2.1	NDE-600	UT	SS	4.000	40406 0.531	Pipe to Reducer
C05.021.050A	2-51A-31-52 Circumferential	2-51A-31 OFD-101A-2.1	NDE-35	PT	SS	4.000	0.531	Pipe to Reducer
C05.021.059	2-51A-31-51 Circumferential	2-51A-31 OFD-101A-2.1	NDE-600	UT	SS	3.000	50225 0.438	Reducer to Pipe
C05.021.059A	2-51A-31-51 Circumferential	2-51A-31 OFD-101A-2.1	NDE-35	PT	SS	3.000	0.438	Reducer to Pipe
C05.021.078	2-51A-33-15 Circumferential	2-51A-33 OFD-101A-2.1	NDE-600	UT	SS	2.500	40378 0.375	Elbow to Pipe
C05.021.078A	2-51A-33-15 Circumferential	2-51A-33 OFD-101A-2.1	NDE-35	PT	SS	2.500	0.375	Elbow to Pipe
C05.021.079	2-51A-33-15C Circumferential	2-51A-33 OFD-101A-2.1	NDE-600	UT	SS	2.500	40378 0.375	Pipe to Pipe
C05.021.079A	2-51A-33-15C Circumferential	2-51A-33 OFD-101A-2.1	NDE-35	PT	SS	2.500	0.375	Pipe to Pipe
C05.021.080	2-51A-33-17 Circumferential	2-51A-33 OFD-101A-2.1	NDE-600	UT	SS	2.500	40378 0.375	Elbow to Pipe
C05.021.080A	2-51A-33-17 Circumferential	2-51A-33 OFD-101A-2.1	NDE-35	PT	SS	2.500	0.375	Elbow to Pipe

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

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

DUKE POWER COMPANY  
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ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
C05.021.081	2-51A-33-64	2-51A-33 OFD-101A-2.1	NDE-600	UT	SS	2.500	TBD	
	Circumferential					0.552		Pipe to Elbow
C05.021.081A	2-51A-33-64	2-51A-33 OFD-101A-2.1	NDE-35	PT	SS	2.500		
	Circumferential					0.552		Pipe to Elbow
C05.021.082	2-51A-33-68	2-51A-33 OFD-101A-2.1	NDE-600	UT	SS	2.500	TBD	
	Circumferential					0.552		Pipe to Valve (Valve 2HP-5)
C05.021.082A	2-51A-33-68	2-51A-33 OFD-101A-2.1	NDE-35	PT	SS	2.500		
	Circumferential					0.552		Pipe to Valve (Valve 2HP-5)

Total C05.021 Items: 34

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

DUKE POWER COMPANY  
 QUALITY ASSURANCE TECHNICAL SERVICES  
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Socket Welds

ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS	
C05.030.001	2-BWST-OUT-2	2-53B-22(1) OFD-102A-2.1 OM 2201-839	NDE-35	PT	SS	14.000 0.375		Borated Water Storage Tank outlet.	
Circumferential									
Term end								Pipe to Flange	
Total C05.030 Items:		1							



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

**Pipe Branch Connections of Branch Piping  $\geq$  NPS  
2**

DUKE POWER COMPANY  
QUALITY ASSURANCE TECHNICAL SERVICES  
Inservice Inspection Database Management System  
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ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/CH	DIA/THK	CAL BLOCKS	COMMENTS
---- Circumferential Weld ----								
C05.041.002	2-51A-17-64	2-51A-17 (1) OFD-101A-2.3	NDE-35	PT	SS	3.000		
	Branch			Pipe to Pipe		0.216		
Total C05.041 Items:		1						

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

DUKE POWER COMPANY  
QUALITY ASSURANCE TECHNICAL SERVICES  
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Piping Welds  $\geq 3/8$  In. Nominal Wall Thickness for  
Piping  $>$  NPS 4

ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DI/THK	CAL BLOCKS	COMMENTS
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\*\*\*\* Circumferential Weld \*\*\*\*

C05.051.012	2-01A-5-18A	2-01A-5 (3) OFD-122A-2.1	NDE-12	RT	CS	12.000		
	Circumferential					0.562		Elbow to Valve (Valve 2MS-155)

C05.051.012A	2-01A-5-18A	2-01A-5 (3) OFD-122A-2.1	NDE-25	MT	CS	12.000		
	Circumferential					0.562		Elbow to Valve (Valve 2MS-155)

C05.051.017	2-03A-67-11	2-03A-67 OFD-121D-2.1	NDE-12	RT	CS	6.000		
	Circumferential					0.562		Pipe to Elbow

C05.051.017A	2-03A-67-11	2-03A-67 OFD-121D-2.1	NDE-25	MT	CS	6.000		
	Circumferential					0.562		Pipe to Elbow

C05.051.019	2-03-18-15	2-03-18 (1) OFD-121B-2.3	NDE-12	RT	CS	24.000		
	Circumferential					1.219		Pipe to Elbow

C05.051.019A	2-03-18-15	2-03-18 (1) OFD-121B-2.3	NDE-25	MT	CS	24.000		
	Circumferential					1.219		Pipe to Elbow

C05.051.043	2-14B-52-2A	2-14B-52 OFD-124B-2.2	NDE-12	RT	CS	8.000		
	Circumferential					0.500		Pipe to Elbow

C05.051.043A	2-14B-52-2A	2-14B-52 OFD-124B-2.2	NDE-25	MT	CS	8.000		
	Circumferential					0.500		Pipe to Elbow

C05.051.044	2-14B-52-3AB	2-14B-52 OFD-124B-2.2	NDE-12	RT	CS	8.000		
	Circumferential					0.500		Elbow to Pipe

C05.051.044A	2-14B-52-3AB	2-14B-52 OFD-124B-2.2	NDE-25	MT	CS	8.000		
	Circumferential					0.500		Elbow to Pipe

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

**Piping Welds ≥ 3/8 In. Nominal Wall Thickness for  
Piping > NPS 4**

DUKE POWER COMPANY  
QUALITY ASSURANCE TECHNICAL SERVICES  
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ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
C05.051.045	2-14B-53-1 Circumferential	2-14B-53 OFD-124B-2.2	NDE-12	RT	CS	8.000 0.500		Elbow to Pipe
C05.051.045A	2-14B-53-1 Circumferential	2-14B-53 OFD-124B-2.2	NDE-25	MT	CS	8.000 0.500		Elbow to Pipe
C05.051.046	2-14B-53-86 Circumferential	2-14B-53 OFD-124B-2.2	NDE-12	RT	CS	8.000 0.500		Pipe to Elbow
C05.051.046A	2-14B-53-86 Circumferential	2-14B-53 OFD-124B-2.2	NDE-25	MT	CS	8.000 0.500		Pipe to Elbow
C05.051.047	2-14B-53-88 Circumferential	2-14B-53 OFD-124B-2.2	NDE-12	RT	CS	8.000 0.500		Valve (Valve 2LPSW-16) to Pipe
C05.051.047A	2-14B-53-88 Circumferential	2-14B-53 OFD-124B-2.2	NDE-25	MT	CS	8.000 0.500		Valve (Valve 2LPSW-16) to Pipe
<b>Total C05.051 Items:</b>		<b>16</b>						

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

DUKE POWER COMPANY  
QUALITY ASSURANCE TECHNICAL SERVICES  
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**Inservice Inspection Plan for Interval 3 Outage 5**

**2** Pipe Branch Connections of Branch Piping  $\geq$  NPS  
2

ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
<b>**** Circumferential Weld ****</b>								
C05.081.001	2-MSB10-F	2-01A-15/2MSB-10 OFD-122A-2.2	NDE-25	MT	CS	6.000 0.432		
	Branch							Pipe to Pipe
C05.081.002	2-MS12A-A	2-01A-5(1)/2MS-12A OFD-122A-2.1	NDE-25	MT	CS	8.000 0.906		For inspection in Outage 1; See Request for Relief ONS-010.
	Branch							Main Steam Header to Pipe
C05.081.003	2-MS15B-A	2-01A-5(3)/2MS-15B OFD-122A-2.1	NDE-25	MT	CS	8.000 0.906		For inspection in Outage 5; See Request for Relief ONS-010.
	Branch							Main Steam Header to Pipe
C05.081.007	2-MS15B-A-1	2-01A-5(3)/2MS-15B OFD-122A-2.1	NDE-25	MT	CS	20.000 1.031		Reference Request for Relief ONS-010.

Total C05.081 Items: 4

Total Category C-F-2 Items: 60

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

**Integral Attachment**

**DUKE POWER COMPANY  
QUALITY ASSURANCE TECHNICAL SERVICES  
Inservice Inspection Database Management System  
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ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIATHK	CAL BLOCKS	COMMENTS
<b>**** Component Supports and Restraints ****</b>								
D02.020.022	2-03A-H11 Rigid restraint	1-0-1437A OFD-121D-2.1	QAL-14	VT-3	NA	6.000 0.125		File Number = OSC-449; Problem Number = 2-03A-08, Sht 3 of 6; Emergency Feedwater Bypass Line
D02.020.024	2-03A-H11A Rigid restraint	1-0-1437A OFD-121D-2.1	QAL-14	VT-3	NA	6.000 0.125		File Number = OSC-449; Problem Number = 2-03A-08, Sht 3 of 6; Emergency Feedwater Bypass Line
D02.020.026	2-03A-H12 Rigid restraint	1-0-1439B OFD-121D-2.1	QAL-14	VT-3	NA	6.000 0.216		File Number = OSC-459; Problem Number = 2-03a-06, Sht 3 of 4; Emergency Feedwater Sys
D02.020.031	2-03A-H2 Rigid restraint	1-0-437B OFD-121D-2.1	QAL-14	VT-3	NA	6.000 0.500		File Number = OSC-450, Page No. 105; Problem Number = 2-03A-09; EFW Crossover
D02.020.035	2-03A-H27 Rigid restraint	1-0-1400A OFD-121D-2.1	QAL-14	VT-3	NA	6.000 0.500		File Number = OSC-450, Page No. 105; Problem Number = 2-03A-09; EFW Crossover
D02.020.037	2-03A-H29 Rigid restraint	1-0-1400A OFD-121D-2.1	QAL-14	VT-3	NA	6.000 0.500		File Number = OSC-450, Page No. 106; Problem Number = 2-03A-09; EFW Crossover
D02.020.042	2-03A-H46 Rigid restraint	1-0-1401B OFD-121D-2.1	QAL-14	VT-3	NA	6.000 0.500		File Number = OSC-449; Problem Number = 2-03A-08, Sht. 4 of 6; Emergency Feedwater Bypass Line
D02.020.043	2-03A-H5 Rigid restraint	1-0-1439C OFD-121D-2.1	QAL-14	VT-3	NA	6.000 0.375		File Number = OSC-1224-21; Problem Numbers = 2-03A-14, Shts. 1 of 3 & 2 of 3; Aux Service Water Pipe
D02.020.045	2-03A-H7 Rigid restraint	1-0-1439C OFD-121D-2.1	QAL-14	VT-3	NA	6.000 0.312		File Number = OSC-459; Problem Number = 2-03a-06, Sht 3 of 4; Emergency Feedwater Sys
D02.020.047	2-03A-H8 Rigid restraint	1-0-1439B OFD-121D-2.1	QAL-14	VT-3	NA	6.000 0.500		File Number = OSC-450, Page No. 105; Problem Number = 2-03A-09; EFW Crossover

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

**Integral Attachment**

**DUKE POWER COMPANY  
QUALITY ASSURANCE TECHNICAL SERVICES  
Inservice Inspection Database Management System  
Oconee Unit 2**

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**Inservice Inspection Plan for Interval 3 Outage 5**

ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
D02.020.054	2-03A-R63 Rigid restraint	1-0-1439A OFD-121D-2.1	QAL-14	VT-3	NA	6.000 1.000		File Number = OSC-447, Page No. 110; Problem Number = 2-03A-05; EFW to Main Feedwater Line
D02.020.055	2-03A-R64 Rigid restraint	1-0-1439A OFD-121D-2.1	QAL-14	VT-3	NA	6.000 1.000		File Number = OSC-447, Page No. 110; Problem Number = 2-03A-05; EFW to Main Feedwater Line
D02.020.058	2-03A-SR1 Rigid restraint	1-0-437B OFD-121D-2.1	QAL-14	VT-3	NA	6.000 0.500		File Number = OSC-450, Page No. 105; Problem Number = 2-03A-09; EFW CROSSOVER
D02.020.059	2-03A-SR10 Rigid restraint	1-0-1437A OFD-121D-2.1	QAL-14	VT-3	NA	6.000 0.500		File Number = OSC-449; Problem Number = 2-03A-08, Sht 3 of 6; Emergency Feedwater Bypass Line
D02.020.062	2-03A-SR13 Rigid restraint	1-0-1437A OFD-121D-2.1	QAL-14	VT-3	NA	6.000 1.000		File Number = OSC-449; Problem Number = 2-03A-08, Sht. 4 of 6; Emergency Feedwater Bypass Line
D02.020.069	2-03A-SR21 Rigid restraint	1-0-400B OFD-121D-2.1	QAL-14	VT-3	NA	6.000 0.500		File Number = OSC-450, Page No. 107; Problem Number = 2-03A-09; EFW Crossover
D02.020.070	2-03A-SR22 Rigid restraint	1-0-1401A OFD-121D-2.1	QAL-14	VT-3	NA	6.000 1.000		File Number = OSC-457; Problem Number = 2-03A-04 Sht. 1 of 4; Emergency Feedwater Bypass Line.
				Sway Strut to Other				
D02.020.072	2-03A-SR25 Rigid restraint	1-0-1401A OFD-121D-2.1	QAL-14	VT-3	NA	6.000 1.000		File Number = OSC-457; Problem Number = 2-03A-04 Sht. 1 of 4; Emergency Feedwater Bypass Line.
D02.020.073	2-03A-SR25 Rigid restraint	1-0-1400B OFD-121D-2.1	QAL-14	VT-3	NA	6.000 0.500		File Number = OSC-449; Problem Number = 2-03A-08, Sht. 5 of 6; Emergency Feedwater Bypass Line
D02.020.080	2-03A-SR30 Rigid restraint	1-0-1400A OFD-121D-2.1	QAL-14	VT-3	NA	6.000 0.216		File Number = OSC-449; Problem Number = 2-03A-08, Sht. 5 of 6; Emergency Feedwater Bypass Line

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

Integral Attachment

DUKE POWER COMPANY  
QUALITY ASSURANCE TECHNICAL SERVICES  
Inservice Inspection Database Management System  
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ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
D02.020.081	2-03A-SR31 Rigid restraint	1-0-1400A OFD-121D-2.1	QAL-14	VT-3	NA	6.000 0.125		File Number = OSC-451, Page No. 85; Problem Number = 2-03A-10; Sys 03A
D02.020.087	2-03A-SR35 Rigid restraint	1-0-1439B OFD-121D-2.1	QAL-14	VT-3	NA	6.000 0.500		File Number = OSC-459; Problem Number = 2-03A-06, Sht. 2 of 4; Emergency Feedwater Sys
D02.020.088	2-03A-SR35 Rigid restraint	1-0-1400B OFD-121D-2.1	QAL-14	VT-3	NA	6.000 0.500		File Number = OSC-451, Page No. 83; Problem Number = 2-03A-10; Sys 03A
D02.020.089	2-03A-SR36 Rigid restraint	1-0-1400B OFD-121D-2.1	QAL-14	VT-3	NA	6.000 1.000		File Number = OSC-451, Page No. 83; Problem Number = 2-03A-10; Sys 03A
D02.020.090	2-03A-SR37 Rigid restraint	1-0-1400B OFD-121D-2.1	QAL-14	VT-3	NA	6.000 0.500		File Number = OSC-451, Page No. 83; Problem Number = 2-03A-10; Sys 03A
D02.020.096	2-03A-SR5 Rigid restraint	1-0-1401B OFD-121D-2.1	QAL-14	VT-3	NA	6.000 1.000		File Number = OSC-447, Page No. 111; Problem Number = 2-03A-05; EFW to Main Feedwater Line
D02.020.099	2-03A-SR6 Rigid restraint	1-0-1439C OFD-121D-2.1	QAL-14	VT-3	NA	6.000 1.000		File Number = OSC-450, Page No. 104.1; Problem Number 2-03A-09; EFW Crossover
D02.020.102	2-03A-SR9 Rigid restraint	1-0-1439B OFD-121D-2.1	QAL-14	VT-3	NA	6.000 0.125		File Number = OSC-450, Page No. 105; Problem Number = 2-03A-09; EFW Crossover
D02.020.104	2-07A-R43 Rigid restraint	6-0-1402A OFD-121A-2.7	QAL-14	VT-3	NA	24.000 0.237		FILE NO. OSC-467, PROBLEM NO. 2-07-01, PG 108. UPPER SURGE TANK TO CONDENSER SYSTEM 07A.
D02.020.109	2-14B-ASR3 Rigid restraint	0-439C OFD-121D-1.2	QAL-14	VT-3	NA	6.000 0.750		FILE NO. OSC-394, PROBLEM NO. 4-14-3, SHT 8 OF 9. AUX. SERVICE WATER PIPE.

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

**Integral Attachment**

DUKE POWER COMPANY  
QUALITY ASSURANCE TECHNICAL SERVICES  
Inservice Inspection Database Management System  
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**Inservice Inspection Plan for Interval 3 Outage 5**

ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
D02.020.116	2-14B-DE154 Rigid restraint	0-1439B OFD-124B-2.2	QAL-14	VT-3	NA	8.000 0.187		FILE NO. OSC-475 PROBLEM NO. 2-14-6 SHT.2OF3 LPSWATER
D02.020.130	2-14B-RJP-3101 Rigid restraint	0-1439B OFD-124B-2.2	QAL-14	VT-3	NA	14.000 0.187		FILE NO. OSC-475 PROBLEM NO. 2-14-6 SHT.2OF3 LPSWATER
D02.020.136	2-14B-SR4 Rigid restraint	0-438C OFD-121D-1.2	QAL-14	VT-3	NA	6.000 1.000		FILE NO. OSC-394, PROBLEM NO. 4-14-3, SHT 8 OF 9. AUX. SERVICE WATER PIPE.
D02.020.143	2-14B-SR6 Rigid restraint	0-438B OFD-121D-1.2	QAL-14	VT-3	NA	6.000 1.000		FILE NO. OSC-394, PROBLEM NO. 4-14-3, SHT 8 OF 9. AUX. SERVICE WATER PIPE.

**Total D02.020 Items: 34**



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

**Integral Attachment**

**DUKE POWER COMPANY  
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ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL	BLOCKS	COMMENTS
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**\*\*\*\* Mechanical and Hydraulic Snubbers \*\*\*\***

D02.030.002	2-03-R12	0-1401A OFD-121B-2.3	QAL-14	VT-3	NA	24.000 1.000			FILE NO. OS-454, PROBLEM NO. 2-03-01, PG 44.
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**Total D02.030 Items: 1**

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

**Integral Attachment**

**DUKE POWER COMPANY  
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ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
<b>.... Spring Type Supports ....</b>								
D02.040.002	2-03-H48 Spring hanger	0-551 OFD-121B-2.3	QAL-14	VT-3	NA	24.000 0.322		FILE NO. OS-454, PROBLEM NO. 2-03-01, PG 44.
D02.040.003	2-03-H50 Spring hanger	0-551 OFD-121B-2.3	QAL-14	VT-3	NA	24.000 0.500		FILE NO. OS-454, PROBLEM NO. 2-03-01, PG 44.
D02.040.005	2-03-H59 Spring hanger	0-551 OFD-121B-2.3	QAL-14	VT-3	NA	24.000 2.500		FILE NO. OS-454, PROBLEM NO. 2-03-01, PG 44.
D02.040.008	2-03A-H1 Spring hanger	1-0-437B OFD-121D-2.1	QAL-14	VT-3	NA	6.000 0.125		File Number = OSC-450, Page No. 105; Problem Number = 2-03A-09; EFW Crossover
D02.040.009	2-03A-H17 Spring hanger	1-0-1439A OFD-121D-2.1	QAL-14	VT-3	NA	6.000 0.625		File Number = OSC-449; Problem Number = 2-03A-08, Sht 3 of 6; Emergency Feedwater Bypass Line
<b>Total D02.040 Items:</b>		<b>5</b>						
<b>Total Category D-B Items:</b>		<b>40</b>						

**CATEGORY F-A, Supports (Category A)**

DUKE POWER COMPANY  
 QUALITY ASSURANCE TECHNICAL SERVICES  
 Inservice Inspection Database Management System  
 Oconee Unit 2

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**Inservice Inspection Plan for Interval 3 Outage 5**

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

ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
F01.010.002	2-51A-H16A Rigid restraint	0-1479A OFD-101A-2.4	QAL-14	VT-3	NA	2.500 0.500		FILE NO. OSC-1324-06 SHT.30F5 PROBLEM NO.2-53-15 HPI SYSTEM EAST COOLANT LOOP
<b>Total F01.010 Items:</b>		<b>1</b>						
F01.011.002	2-51A-H1C Rigid restraint	0-1478A OFD-101A-2.1	QAL-14	VT-3	NA	2.500 0.154		File Number = OSC-1660-06, Page 84.1; Problem Number = 2-51-12; RC Pump Piping to HP Injection Letdown Coolers
F01.011.004	2-53-H4 Rigid restraint	0-1478A OFD-102A-2.1	QAL-14	VT-3	NA	12.000 0.258		FILE NO. OSC-1320-06, PROBLEM NO. 2-53-10, PAGE 83. DECAY HEAT REMOVAL SYSTEM.
<b>Total F01.011 Items:</b>		<b>2</b>						
F01.012.001	2-50-H11 Hyd snubber	0-1480A OFD-100A-2.2	QAL-14	VT-3	NA	2.500 0.000		FILE NO. OSC-1324-06 SHT.10F2 PROBLEM NO.2-53-14 PZR SPRAY SYSTEM
F01.012.005	2-51A-H2C Spring hanger	0-1478A OFD-101A-2.1	QAL-14	VT-3	NA	2.500 0.000		File Number = OSC-1660-06, Page 84.1; Problem Number = 2-51-12; RC Pump Piping to HP Injection Letdown Coolers
<b>Total F01.012 Items:</b>		<b>2</b>						

**CATEGORY F-A, Supports (Category A)**

**DUKE POWER COMPANY**  
**QUALITY ASSURANCE TECHNICAL SERVICES**  
 Inservice Inspection Database Management System  
 Oconee Unit 2  
**Inservice Inspection Plan for Interval 3 Outage 5**

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**Class 2 Weld Connections to Buliding Structure**

ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
F01.020.001	2-01A-H14 Rigid restraint	0-1441 OFD-122A-2.1	QAL-14	VT-3	NA	36.000 0.750		FILE NO. OSC-440 PROBLEM NO. 2-01-01 PAGE 40 MAIN STEAM PIPING
F01.020.006	2-03A-R61 Rigid restraint	1-0-1439A OFD-121D-2.1	QAL-14	VT-3	NA	6.000 0.000		File Number = OSC-447, Page No. 107; Problem Number = 2-03A-05;
F01.020.010	2-14B-JG-1901 Rigid restraint	0-438B OFD-121D-1.2	QAL-14	VT-3	NA	6.000 0.000		FILE NO. OS-394, PROBLEM NO. 4-14-3, SHT 3 OF 9.
F01.020.014	2-51A-H16 Rigid restraint	2-0-1439C OFD-101A-2.4	QAL-14	VT-3	NA	4.000 0.000		FILE NO. OSC-1023 PROBLEM NO.2-51-18 PAGE 51.1 HPI SYSTEM CROSSOVER LINE SWAY STRUT to Other
F01.020.025	2-53B-DE064 Rigid restraint	1-0-1436A OFD-102A-2.2	QAL-14	VT-3	NA	10.000 0.000		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".
F01.020.028	2-53B-H3 Rigid restraint	2-0-436E OFD-102A-2.1	QAL-14	VT-3	NA	14.000 0.280		FILE NO. OS-487, PROBLEM NO. 2-53-01, SHT 2 OF 5. LPI TO DECAY HEAT REMOVAL SYSTEM 53B.
F01.020.032	2-53B-H9 Rigid restraint	2-0-436E OFD-101A-2.1	QAL-14	VT-3	NA	6.000 0.125		File Number = OSC-481,Page 143; Problem Number = 51-2
F01.020.040	2-54A-R42 Rigid restraint	3-0-1439B OFD-103A-2.1	QAL-14	VT-3	NA	8.000 0.000		FILE NO. OS-496, PROBLEM NO. 2-54-03 SHT 1 OF 2. SYSTEM 54A.
F01.020.042	2-56-SR15 Rigid restraint	2-0-438C OFD-104A-1.1	QAL-14	VT-3	NA	8.000 0.000		Calclaton No. OS-421 Page 97; Problem No.4-56-02 Spent Fuel Cooling System 56

**Total F01.020 Items: 9**

**CATEGORY F-A. Supports (Category B)**

DUKE POWER COMPANY  
 QUALITY ASSURANCE TECHNICAL SERVICES  
 Inservice Inspection Database Management System  
 Oconee Unit 2  
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**Class 2 Weld Connections to Building Structure**

ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS	
F01.021.001	2-03-H11A Rigid restraint	0-1481A OFD-121B-2.3	QAL-14	VT-3	NA	24.000 0.500		MAIN FEEDWATER WEST GEN. 2B, DWG NO. O-1490 B-4.	
F01.021.007	2-14B-H17E Rigid restraint	0-1479A OFD-124B-2.2	QAL-14	VT-3	NA	8.000 0.000		FILE NO. OSC-1325-09 PROBLEM NO. 2-14-10 sht.1 of 10 REACTOR BLDG. VENTILATION	
F01.021.018	2-51A-SR160 Rigid restraint	3-0-1439A OFD-101A-2.1	QAL-14	VT-3	NA	2.500 0.000		File Number = OSC-480, Page 39; Problem Number = 2-51-3; Letdown Cooler Discharge	
F01.021.022	2-53B-DE049 Rigid restraint	0-435B OFD-102A-2.2	QAL-14	VT-3	NA	14.000 0.500		FILE NO. OS-487, PROBLEM NO. 2-53-01, SHT 1 OF 5. L. P. INJECTION & DECAY HEAT REMOVAL SYSTEM 53B.	
<b>Total F01.021 Items:</b>		<b>4</b>							
F01.022.006	2-01A-R7 Hyd snubber	3-0-1401B OFD-122A-2.1	QAL-14	VT-3	NA	12.000 0.000		FILE NO. OSC-443 PROBLEM NO. 2-01-04 PAGE 23 MAIN STEAM PIPING	
F01.022.009	2-03A-H6270 Spring hanger	0-1490C OFD-121B-2.3	QAL-14	VT-3	NA	6.000 0.000		FILE NO. OSC-1224-17, PROBLEM NO. 2-03A-13, SHT 1 OF 5.	
F01.022.015	2-53B-H15 Spring hanger	2-0-435B OFD-102A-2.1	QAL-14	VT-3	NA	12.000 0.187		FILE NO. OS-487, PROBLEM NO. 2-53-01, SHT 3 OF 5. LPI TO DECAY HEAT REMOVAL SYSTEM 53B.	
F01.022.023	2-57-H7 Hyd snubber	0-1481A OFD-100A-2.2	QAL-14	VT-3	NA	8.000 0.000		FILE NO. OSC-1332-06 PAGE 14.1 PROBLEM NO.2-57-01 PZR RELIEF VLV SYSTEM	
<b>Total F01.022 Items:</b>		<b>4</b>							

**CATEGORY F-A, Supports (Category A)**

DUKE POWER COMPANY  
 QUALITY ASSURANCE TECHNICAL SERVICES  
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**Class 3 Weld/Mech Conns at Inter Joints In  
 Multiconn Int & Nonint Supp**

ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
F01.030.015	2-03A-H30 Rigid restraint	1-0-1439A OFD-121D-2.1	QAL-14	VT-3	NA	6.000 0.000		File Number = OSC-447, Page No. 110; Problem Number = 2-03A-05; EFW to Main Feedwater Line
F01.030.017	2-03A-H5 Rigid restraint	1-0-1437A OFD-121D-2.1	QAL-14	VT-3	NA	6.000 0.125		File Number = OSC-450, Page No. 105; Problem Number = 2-03A-09; EFW Crossover
F01.030.022	2-07A-DE002 Rigid restraint	0-1400A OFD-121A-2.7	QAL-14	VT-3	NA	24.000 0.000		FILE NO. OSC-467, PROBLEM NO. 2-07-01, PG 108. UPPER SURGE TANK TO CONDENSER SYSTEM 07A.
F01.030.023	2-07A-DE022 Rigid restraint	0-1400A OFD-121A-2.8	QAL-14	VT-3	NA	8.000 0.000		FILE NO. OSC-466, PROBLEM NO. 2-07-02, SHTS. 1 OF 3, & 3 OF 3. SYSTEM 07A.
F01.030.027	2-07A-SR7 Rigid restraint	0-1400A OFD-121A-2.7	QAL-14	VT-3	NA	8.000 0.000		FILE NO. OSC-466, PROBLEM NO. 2-07-02, PG 47. LP & HP CONDENSATE SYSTEM 07A.
F01.030.029	2-14-H6095 Rigid restraint	0-1478F OFD-121D-2.1	QAL-14	VT-3	NA	6.000 0.000		File Number = OSC-1224-17, Page 51; Problem Number = 2-03A-13; Aux Service Water Piping
				Sway Strut to Other				
F01.030.034	2-14B-RJP-3101 Rigid restraint	0-1439B OFD-124B-2.2	QAL-14	VT-3	NA	14.000 0.187		FILE NO. OSC-475 PROBLEM NO. 2-14-6 SHT.2OF3 LPSWATER
<b>Total F01.030 Items:</b>		<b>7</b>						
F01.031.003	0-14-H7027 Rigid restraint	0-447B OFD-133A-2.5	QAL-14	VT-3	NA	6.000 0.000		FILE NO. OSC-1224-26 PROBLEM NO. 4-14-12 SHT.1OF5 AUX.SWP DISCHARGE
F01.031.006	2-03A-H2 Rigid restraint	1-0-437B OFD-121D-2.1	QAL-14	VT-3	NA	6.000 0.500		File Number = OSC-450, Page No. 105; Problem Number = 2-03A-09; EFW Crossover

CATEGORY F-A, Supports (Category B)

DUKE POWER COMPANY  
 QUALITY ASSURANCE TECHNICAL SERVICES  
 Inservice Inspection Database Management System  
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Class 3 Weld/Mech Conns at Inter Joints in  
 Multiconn Int & Nonint Supp

ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS	
F01.031.014	2-03A-SR5 Rigid restraint	1-0-1401B OFD-121D-2.1	QAL-14	VT-3	NA	6.000 1.000		File Number = OSC-447, Page No. 111; Problem Number = 2-03A-05; EFW to Main Feedwater Line	
F01.031.019	2-14B-H5184 Rigid restraint	0-1439C OFD-121D-1.2	QAL-14	VT-3	NA	6.000 0.000		FILE NO. OSC-394, PROBLEM NO. 4-14-3, SHT 8 OF 9. AUX. SERVICE WATER PIPE.	
<u>Total F01.031 Items:</u>		<u>4</u>							
F01.032.003	2-03A-H1 Spring hanger	1-0-437B OFD-121D-2.1	QAL-14	VT-3	NA	6.000 0.125		File Number = OSC-450, Page No. 105; Problem Number = 2-03A-09; EFW Crossover	
F01.032.006	2-07A-JLM-2102 Spring hanger	0-1400A OFD-121A-2.7	QAL-14	VT-3	NA	24.000 0.000		FILE NO. OSC-467, PROBLEM NO. 2-07-01, PG 108. UPPER SURGE TANK TO CONDENSER SYSTEM 07A.	
<u>Total F01.032 Items:</u>		<u>2</u>							

**CATEGORY F-A, Supports**

DUKE POWER COMPANY  
 QUALITY ASSURANCE TECHNICAL SERVICES  
 Inservice Inspection Database Management System  
 Oconee Unit 2  
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**Clearances of Guides & Stops, Align of Supps,  
 Assembly of Supp Items**

ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIATHK CAL	BLOCKS	COMMENTS
F01.040.001	2-RPV-WR36	ISI-OCN2-001 OM-1201-3	QAL-14	VT-3	CS	175.510 2.000		Reactor Vessel Support Skirt. Class A  Skirt to Transition Piece
F01.040.006	2-DT-SUPPORT	2-51A-33 OFD-101A-2.1	QAL-14	VT-3	NA	0.000 0.000		Decay Tank Support. Class B
F01.040.016	2-RBCC-A	OM-2201-278 OFD-124B-2.1	QAL-14	VT-3	NA	0.000 0.000		Reactor Building Component Cooler "A" Support A and B. Class C
F01.040.018	2-SF-COOLER-A	OM-201-84 OFD-104A-1.1	QAL-14	VT-3	NA	0.000 0.000		Spent Fuel Cooler "A" Support Legs. Class C
F01.040.020	2-SSF-PUMP	OM-261-0001 OFD-101A-2.5	QAL-14	VT-3	NA	0.000 0.000		Stand-By Shutdown Make-up Pump Support Legs & Pad. Class B

Total F01.040 Items: 5

Total Category F-A Items: 40



**CATEGORY AUG, Augmented Inspections**

DUKE POWER COMPANY  
 QUALITY ASSURANCE TECHNICAL SERVICES  
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**Reactor Coolant Pump Flywheel**

ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
G01.001.001A	2-RCP-2A1	OM-201D-038 OFD-100A-2.1	NDE-25	MT	CS	72.000 9.500		Reference Section 7 Paragraph 7.1.1 of the ISI Plan - Volume 1. RCP 2A1 Flywheel to Other
G01.001.002A	2-RCP-2A2	OM-201D-038 OFD-100A-2.1	NDE-25	MT	CS	72.000 9.500		Reference Section 7 Paragraph 7.1.1 of the ISI Plan - Volume 1. RCP 2A2 Flywheel to Other
G01.001.003A	2-RCP-2B1	OM-201D-038 OFD-100A-2.1	NDE-25	MT	CS	72.000 9.500		Reference Section 7 Paragraph 7.1.1 of the ISI Plan - Volume 1. RCP 2B1 Flywheel to Other
G01.001.004A	2-RCP-2B2	OM-201D-038 OFD-100A-2.1	NDE-25	MT	CS	72.000 9.500		Reference Section 7 Paragraph 7.1.1 of the ISI Plan - Volume 1. RCP 2B2 Flywheel to Other

Total G01.001 Items: 4

Total Category AUG Items: 4

**CATEGORY AUG, Augmented Inspections**

DUKE POWER COMPANY  
 QUALITY ASSURANCE TECHNICAL SERVICES  
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**Pressurizer Surge Line**

ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIATHK CAL BLOCKS	COMMENTS
G03.001.001	2-PSL-11 Circumferential Stress weld	ISI-OCN2-015 2-50-12 OFD-100A-2.2	NDE-35	PT	SS	1.000 0.250	Reference Section 7 Paragraph 7.1.3 of the ISI Plan - Volume 1. Nozzle (Drain) to Pipe
G03.001.002	2-PSL-133	ISI-OCN2-015 2-50-12 OFD-100A-2.2	NDE-600	UT	SS	10.750 TBD 1.000	Examine 3" band on elbow - Data Point # 133 (Calculation # OSC 1522). Reference Section 7 Paragraph 7.1.3 of ISI Plan - Volume 1. Elbow (Base Metal) to Not Applicable
G03.001.003	2-PSL-142	ISI-OCN2-015 2-50-12 OFD-100A-2.2	NDE-600	UT	SS	10.750 TBD 1.000	Examine 3" band on Elbow - Data Point # 142 (Calculation OSC 1522). Reference Section 7 Paragraph 7.1.3 of the ISI Plan - Volume 1. Elbow (Base Metal) to Not Applicable

Total G03.001 Items: 3

Total Category AUG Items: 3

**CATEGORY AUG, Augmented Inspections**

**DUKE POWER COMPANY  
QUALITY ASSURANCE TECHNICAL SERVICES  
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**Inservice Inspection Plan for Interval 3 Outage 5**

ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK CAL	BLOCKS	COMMENTS
G04.001.001	2-51A-39-90C Circumferential	2-51A-39(3) OFD-101A-2.4	NDE-600	UT	SS	2.500 0.375	TBD	Inspect 100% of weld & 1" of base material (axial & circumferential). Reference Section 7 Paragraph 7.1.4 of ISI Plan - Volume 1.  Pipe to Safe-End
G04.001.002	2-51A-39-90B Circumferential	2-51A-39(3) OFD-101A-2.4	NDE-600	UT	SS	2.500 0.375	TBD	Inspect 100% of weld & 1" of base material (axial & circumferential). Reference Section 7 Paragraph 7.1.4 of ISI Plan - Volume 1.  Pipe to Pipe
G04.001.003	2-51A-39-91 Circumferential	2-51A-39(3) OFD-101A-2.4	NDE-600	UT	SS	2.500 0.375	TBD	Inspect 100% of weld & 1" of base material (axial & circumferential). Reference Section 7 Paragraph 7.1.4 of ISI Plan - Volume 1.  Pipe to Valve (2HP-153)
G04.001.004	2-51A-39-92A Circumferential	2-51A-39(3) OFD-101A-2.4	NDE-600	UT	SS	2.500 0.375	TBD	Inspect 100% of weld & 1" of base material (axial & circumferential). Reference Section 7 Paragraph 7.1.4 of ISI Plan - Volume 1.  Pipe to Safe-End
G04.001.005	2-51A-39-92B Circumferential	2-51A-39(3) OFD-101A-2.4	NDE-600	UT	SS	2.500 0.375	TBD	Inspect 100% of weld & 1" of base material (axial & circumferential). Reference Section 7 Paragraph 7.1.4 of ISI Plan - Volume 1.  Pipe to Pipe
G04.001.006	2-51A-39-93 Circumferential	2-51A-39(3) OFD-101A-2.4	NDE-600	UT	SS	2.500 0.375	TBD	Inspect 100% of weld & 1" of base material (axial & circumferential). Reference Section 7 Paragraph 7.1.4 of ISI Plan - Volume 1.  Pipe to Valve (2HP-152)
G04.001.007	2-51A-27-73 Circumferential	2-51A-27(2) OFD-101A-2.4	NDE-600	UT	SS	2.500 0.375	TBD	Inspect 100% of weld & 1" of base material (axial & circumferential). Reference Section 7 Paragraph 7.1.4 of ISI Plan - Volume 1.  Elbow to Pipe
G04.001.008	2-51A-27-81 Circumferential	2-51A-27(2) OFD-101A-2.4	NDE-600	UT	SS	2.500 0.375	TBD	Inspect 100% of weld & 1" of base material (axial & circumferential). Reference Section 7 Paragraph 7.1.4 of ISI Plan - Volume 1.  Elbow to Pipe
G04.001.009	2-51A-27-82 Circumferential	2-51A-27(2) OFD-101A-2.4	NDE-600	UT	SS	2.500 0.375	TBD	Inspect 100% of weld & 1" of base material (axial & circumferential). Reference Section 7 Paragraph 7.1.4 of ISI Plan - Volume 1.  Pipe to Valve (2HP-152)
G04.001.010	2-51A-27-108 Circumferential	2-51A-27(3) OFD-101A-2.4	NDE-600	UT	SS	2.500 0.375	TBD	Inspect 100% of weld & 1" of base material (axial & circumferential). Reference Section 7 Paragraph 7.1.4 of ISI Plan - Volume 1.  Pipe to Elbow

CATEGORY AUG. Augmented Inspections

DUKE POWER COMPANY  
QUALITY ASSURANCE TECHNICAL SERVICES  
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ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIATHK CAL BLOCKS	COMMENTS
G04.001.011	2-51A-27-110	2-51A-27(3) OFD-101A-2.4	NDE-600	UT	SS	2.500 TBD 0.375	Inspect 100% of weld & 1" of base material (axial & circumferential). Reference Section 7 Paragraph 7.1.4 of ISI Plan - Volume 1.
	Circumferential			Elbow to Pipe			
G04.001.012	2-51A-27-111	2-51A-27(3) OFD-101A-2.4	NDE-600	UT	SS	2.500 TBD 0.375	Inspect 100% of weld & 1" of base material (axial & circumferential). Reference Section 7 Paragraph 7.1.4 of ISI Plan - Volume 1.
	Circumferential			Pipe to Manire ( 2HP-153)			

Total G04.001 Items: 12

Total Category AUG Items: 12

**CATEGORY AUG, Augmented Inspections**

**DUKE POWER COMPANY  
QUALITY ASSURANCE TECHNICAL SERVICES  
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**Auxiliary Feedwater Header B&W Safety Concern  
21-82 Water Hammer**

ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
G06.001.001	2-03A-24-21 Circumferential	2-03A-24 OFD-121B-2.3	NDE-25	MT	CS	3.000 0.300		2A Auxiliary Feedwater Header 3" Flange to Elbow. Reference Section 7 Paragraph 7.1.6 of the ISI Plan - Volume 1.  Flange to Elbow
G06.001.002	2-03A-24-2VEN Circumferential	2-03A-24 OFD-121B-2.3	NDE-25	MT	CS	4.000 0.938		2A Auxiliary Feedwater Header 3" Flange to Elbow. Reference Section 7 Paragraph 7.1.6 of the ISI Plan - Volume 1.  Nozzle (Flange Nozzle) to Pipe (Feedwater Ring)
G06.001.003	2-03A-24-18 Circumferential	2-03A-24 OFD-121B-2.3	NDE-25	MT	CS	3.000 0.300		2A Auxiliary Feedwater Header 3" Flange to Elbow. Reference Section 7 Paragraph 7.1.6 of the ISI Plan - Volume 1.  Flange to Elbow
G06.001.004	2-03A-24-3VEN Circumferential	2-03A-24 OFD-121B-2.3	NDE-25	MT	CS	4.000 0.938		2A Auxiliary Feedwater Header 3" Flange to Elbow. Reference Section 7 Paragraph 7.1.6 of the ISI Plan - Volume 1.  Nozzle (Flange Nozzle) to Pipe (Feedwater Ring)
G06.001.005	2-03A-24-15 Circumferential	2-03A-24 OFD-121B-2.3	NDE-25	MT	CS	3.000 0.300		2A Auxiliary Feedwater Header 3" Flange to Elbow. Reference Section 7 Paragraph 7.1.6 of the ISI Plan - Volume 1.  Nozzle to Elbow
G06.001.006	2-03A-24-4VEN Circumferential	2-03A-24 OFD-121B-2.3	NDE-25	MT	CS	4.000 0.938		2A Auxiliary Feedwater Header 3" Flange to Elbow. Reference Section 7 Paragraph 7.1.6 of the ISI Plan - Volume 1.  Nozzle (Flange Nozzle) to Pipe (Feedwater Ring)
G06.001.007	2-03A-24-12 Circumferential	2-03A-24 OFD-121B-2.3	NDE-25	MT	CS	3.000 0.300		2A Auxiliary Feedwater Header 3" Flange to Elbow. Reference Section 7 Paragraph 7.1.6 of the ISI Plan - Volume 1.  Flange to Elbow
G06.001.008	2-03A-24-5VEN Circumferential	2-03A-24 OFD-121B-2.3	NDE-25	MT	CS	4.000 0.938		2A Auxiliary Feedwater Header 3" Flange to Elbow. Reference Section 7 Paragraph 7.1.6 of the ISI Plan - Volume 1.  Nozzle (Flange Nozzle) to Pipe (Feedwater Ring)
G06.001.009	2-03A-24-9 Circumferential	2-03A-24 OFD-121B-2.3	NDE-25	MT	CS	3.000 0.300		2A Auxiliary Feedwater Header 3" Flange to Elbow. Reference Section 7 Paragraph 7.1.6 of the ISI Plan - Volume 1.  Flange to Elbow
G06.001.010	2-03A-24-6VEN Circumferential	2-03A-24 CFD-121B-2.3	NDE-25	MT	CS	4.000 0.938		2A Auxiliary Feedwater Header 3" Flange to Elbow. Reference Section 7 Paragraph 7.1.6 of the ISI Plan - Volume 1.  Nozzle (Flange Nozzle) to Pipe (Feedwater Ring)

**CATEGORY AUG, Augmented Inspections**

DUKE POWER COMPANY  
 QUALITY ASSURANCE TECHNICAL SERVICES  
 Inservice Inspection Database Management System  
 Oconee Unit 2

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**Auxiliary Feedwater Header B&W Safety Concern  
 21-82 Water Hammer**

**Inservice Inspection Plan for Interval 3 Outage 5**

ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
G06.001.011	2-03A-24-6 Circumferential	2-03A-24 OFD-121B-2.3	NDE-25	MT Flange to Elbow	CS	3.000 0.300		2A Auxiliary Feedwater Header 3" Flange to ELbow. Reference Section 7 Paragraph 7.1.6 of the ISI Plan - Volume 1.
G06.001.012	2-03A-24-7VEN Circumferential	2-03A-24 OFD-121B-2.3	NDE-25	MT Nozzle ( Flange Nozzle) to Pipe (Feedwater Ring)	CS	4.000 0.938		2A Auxiliary Feedwater Header 3" Flange to ELbow. Reference Section 7 Paragraph 7.1.6 of the ISI Plan - Volume 1.
G06.001.013	2-03A-24-3 Circumferential	2-03A-24 OFD-121B-2.3	NDE-25	MT Flange to Elbow	CS	3.000 0.300		2A Auxiliary Feedwater Header 3" Flange to ELbow. Reference Section 7 Paragraph 7.1.6 of the ISI Plan - Volume 1.
G06.001.014	2-03A-24-8VEN Circumferential	2-03A-24 OFD-121B-2.3	NDE-25	MT Nozzle ( Flange Nozzle) to Pipe (Feedwater Ring)	CS	4.000 0.938		2A Auxiliary Feedwater Header 3" Flange to ELbow. Reference Section 7 Paragraph 7.1.6 of the ISI Plan - Volume 1.
G06.001.015	2-03A-24-1VEN Circumferential	2-03A-24 OFD-121B-2.3	NDE-12	RT Pipe to Elbow	CS	4.000 0.938		2A Auxiliary Feedwater Header 3" Flange to ELbow. Reference Section 7 Paragraph 7.1.6 of the ISI Plan - Volume 1.
G06.001.016	2-03A-25-21 Circumferential	2-03A-25 OFD-121B-2.3	NDE-25	MT Flange to Elbow	CS	3.000 0.300		2A Auxiliary Feedwater Header 3" Flange to ELbow. Reference Section 7 Paragraph 7.1.6 of the ISI Plan - Volume 1.
G06.001.017	2-03A-25-8VEN Circumferential	2-03A-25 OFD-121B-2.3	NDE-25	MT Nozzle ( Flange Nozzle) to Pipe (Feedwater Ring)	CS	4.000 0.938		2A Auxiliary Feedwater Header 3" Flange to ELbow. Reference Section 7 Paragraph 7.1.6 of the ISI Plan - Volume 1.
G06.001.018	2-03A-25-18 Circumferential	2-03A-25 OFD-121B-2.3	NDE-25	MT Flange to Elbow	CS	3.000 0.300		2A Auxiliary Feedwater Header 3" Flange to ELbow. Reference Section 7 Paragraph 7.1.6 of the ISI Plan - Volume 1.
G06.001.019	2-03A-25-3VEN Circumferential	2-03A-25 OFD-121B-2.3	NDE-25	MT Nozzle ( Flange Nozzle) to Pipe (Feedwater Ring)	CS	4.000 0.938		2A Auxiliary Feedwater Header 3" Flange to ELbow. Reference Section 7 Paragraph 7.1.6 of the ISI Plan - Volume 1.
G06.001.020	2-03A-25-15 Circumferential	2-03A-25 OFD-121B-2.3	NDE-25	MT Flange to Elbow	CS	3.000 0.300		2A Auxiliary Feedwater Header 3" Flange to ELbow. Reference Section 7 Paragraph 7.1.6 of the ISI Plan - Volume 1.

**CATEGORY AUG, Augmented Inspections**

**DUKE POWER COMPANY  
QUALITY ASSURANCE TECHNICAL SERVICES  
Inservice Inspection Database Management System  
Oconee Unit 2**

**Auxiliary Feedwater Header B&W Safety Concern  
21-82 Water Hammer**

**Inservice Inspection Plan for Interval 3 Outage 5**

ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
G06.001.021	2-03A-25-4VEN Circumferential	2-03A-25 OFD-121B-2.3	NDE-25	MT	CS	4.000 0.938		2A Auxiliary Feedwater Header 3" Flange to Elbow. Reference Section 7 Paragraph 7.1.6 of the ISI Plan - Volume 1. Nozzle ( Flange Nozzle) to Pipe (Feedwater Ring)
G06.001.022	2-03A-25-5VEN Circumferential	2-03A-25 OFD-121B-2.3	NDE-25	MT	CS	4.000 0.938		2A Auxiliary Feedwater Header 3" Flange to Elbow. Reference Section 7 Paragraph 7.1.6 of the ISI Plan - Volume 1. Nozzle ( Flange Nozzle) to Pipe (Feedwater Ring)
G06.001.023	2-03A-25-9 Circumferential	2-03A-25 OFD-121B-2.3	NDE-25	MT	CS	3.000 0.300		2A Auxiliary Feedwater Header 3" Flange to Elbow. Reference Section 7 Paragraph 7.1.6 of the ISI Plan - Volume 1. Flange to Elbow
G06.001.024	2-03A-25-6VEN Circumferential	2-03A-25 OFD-121B-2.3	NDE-25	MT	CS	4.000 0.938		2A Auxiliary Feedwater Header 3" Flange to Elbow. Reference Section 7 Paragraph 7.1.6 of the ISI Plan - Volume 1. Nozzle ( Flange Nozzle) to Pipe (Feedwater Ring)
G06.001.025	2-03A-25-6 Circumferential	2-03A-25 OFD-121B-2.3	NDE-25	MT	CS	3.000 0.300		2A Auxiliary Feedwater Header 3" Flange to Elbow. Reference Section 7 Paragraph 7.1.6 of the ISI Plan - Volume 1. Flange to Elbow
G06.001.026	2-03A-25-7VEN Circumferential	2-03A-25 OFD-121B-2.3	NDE-25	MT	CS	4.000 0.938		2A Auxiliary Feedwater Header 3" Flange to Elbow. Reference Section 7 Paragraph 7.1.6 of the ISI Plan - Volume 1. Nozzle ( Flange Nozzle) to Pipe (Feedwater Ring)
G06.001.027	2-03A-25-3 Circumferential	2-03A-25 OFD-121B-2.3	NDE-25	MT	CS	3.000 0.300		2A Auxiliary Feedwater Header 3" Flange to Elbow. Reference Section 7 Paragraph 7.1.6 of the ISI Plan - Volume 1. Flange to Elbow
G06.001.028	2-03A-25-8VEN Circumferential	2-03A-25 OFD-121B-2.3	NDE-25	MT	CS	4.000 0.938		2A Auxiliary Feedwater Header 3" Flange to Elbow. Reference Section 7 Paragraph 7.1.6 of the ISI Plan - Volume 1. Nozzle ( Flange Nozzle) to Pipe (Feedwater Ring)
G06.001.029	2-03A-25-1VEN Circumferential	2-03A-25 OFD-121B-2.3	NDE-12	RT	CS	6.000 0.432		2A Auxiliary Feedwater Header 3" Flange to Elbow. Reference Section 7 Paragraph 7.1.6 of the ISI Plan - Volume 1. Pipe to Elbow
G06.001.030	2-03A-25-WG106 Circumferential	2-03A-25 OFD-121B-2.3	NDE-12	RT	CS	6.000 0.432		2A Auxiliary Feedwater Header 3" Flange to Elbow. Reference Section 7 Paragraph 7.1.6 of the ISI Plan - Volume 1. Pipe to Cap

Total G06.001 Items: 30

CATEGORY AUG, Augmented Inspections

DUKE POWER COMPANY  
QUALITY ASSURANCE TECHNICAL SERVICES  
Inservice Inspection Database Management System  
Oconee Unit 2

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Inservice Inspection Plan for Interval 3 Outage 5

Auxiliary Feedwater Header B&W Safety Concern  
21-82 Water Hammer

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ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
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Total Category AUG Items: 30



**CATEGORY AUG, Augmented Inspections**

DUKE POWER COMPANY  
 QUALITY ASSURANCE TECHNICAL SERVICES  
 Inservice Inspection Database Management System  
 Oconee Unit 2  
 Inservice Inspection Plan for Interval 3 Outage 5

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**Pressurizer Sensing/Sampling Nozzle Safe Ends**

ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
G08.001.001	2-PZR-WP63-1 Circumferential	ISI-OCN2-002 B&W149771E	NDE-35	PT	CS/Inconel	1.000 1.185		(W-X Quadrant) - Reference Section 7 Paragraph 7.1.8 of ISI Plan - Volume 1. Nozzle (Sensing Pc.30) to Safe-End Pc. 42
G08.001.002	2-PZR-WP63-2 Circumferential	ISI-OCN2-002 B&W149771E	NDE-35	PT	CS/Inconel	1.000 1.185		(Y-Z Quadrant) - Reference Section 7 Paragraph 7.1.8 of ISI Plan - Volume 1. Nozzle (Sensing Pc.30) to Safe-End Pc. 42
G08.001.003	2-PZR-WP63-3 Circumferential	ISI-OCN2-002 B&W149771E	NDE-35	PT	CS/Inconel	1.000 1.185		(Z-W Quadrant) - Reference Section 7 Paragraph 7.1.8 of ISI Plan - Volume 1. Nozzle (Sensing Pc.30) to Safe-End Pc. 42
G08.001.004	2-PZR-WP63-4 Circumferential	ISI-OCN2-002 B&W149771E	NDE-35	PT	CS/Inconel	1.000 1.185		(W-X Quadrant) - Reference Section 7 Paragraph 7.1.8 of ISI Plan - Volume 1. Nozzle (Sensing Pc.30) to Safe-End Pc. 42
G08.001.005	2-PZR-WP63-5 Circumferential	ISI-OCN2-002 B&W149771E	NDE-35	PT	CS/Inconel	1.000 1.185		(Y-Z Quadrant) - Reference Section 7 Paragraph 7.1.8 of ISI Plan - Volume 1. Nozzle (Sensing Pc.30) to Safe-End Pc. 42
G08.001.006	2-PZR-WP63-6 Circumferential	ISI-OCN2-002 B&W149771E	NDE-35	PT	CS/Inconel	1.000 1.185		(Z-W Quadrant) - Reference Section 7 Paragraph 7.1.8 of ISI Plan - Volume 1. Nozzle (Sensing Pc.30) to Safe-End Pc. 42
G08.001.007	2-PZR-WP63-7 Circumferential	ISI-OCN2-002 B&W149771E	NDE-35	PT	CS/Inconel	1.000 1.185		(Z-W Quadrant) - Reference Section 7 Paragraph 7.1.8 of ISI Plan - Volume 1. Nozzle (Sensing Pc.30) to Safe-End Pc. 42

**Total G08.001 Items: 7**

**Total Category AUG Items: 7**

**CATEGORY AUG. Augmented Inspections**

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

DUKE POWER COMPANY  
 QUALITY ASSURANCE TECHNICAL SERVICES  
 Inservice Inspection Database Management System  
 Oconee Unit 2

Inservice Inspection Plan for Interval 3 Outage 5

ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
G09.001.015	2-53B-26-1 Circumferential	2-53B-26(1) OFD-102A-2.2	NDE-35	PT	SS	10.000 0.250		Non-Legitimate Weld in Inspection Category C-F-1. Reference Section 7, Paragraph 7.1.9 in ISI Plan - Volume 1.
G09.001.019	2-53B-27-43 Circumferential	2-53B-27(1) OFD-102A-2.2	NDE-35	PT	SS	10.000 0.250		Non-Legitimate Weld in Inspection Category C-F-1. Reference Section 7, Paragraph 7.1.9 in ISI Plan - Volume 1.
G09.001.025	2-53B-28-48 Circumferential	2-53B-28(2) OFD-102A-2.2	NDE-35	PT	SS	8.000 0.148		Non-Legitimate Weld in Inspection Category C-F-1. Reference Section 7, Paragraph 7.1.9 in ISI Plan - Volume 1.
G09.001.026	2-53C-28-57 Circumferential	2-53B-28(2) OFD-102A-2.2	NDE-35	PT	SS	8.000 0.148		Non-Legitimate Weld in Inspection Category C-F-1. Reference Section 7, Paragraph 7.1.9 in ISI Plan - Volume 1.
G09.001.032	2-54A-5-17 Circumferential	2-54A-5(1) OFD-102A-2.1	NDE-35	PT	SS	10.000 0.250		Non-Legitimate Weld in Inspection Category C-F-1. Reference Section 7, Paragraph 7.1.9 in ISI Plan - Volume 1.
G09.001.033	2-54A-5-1A Circumferential Term end	2-54A-5 OFD-103A-2.1	NDE-35	PT	SS	8.000 0.250		Non-Legitimate Weld in Inspection Category C-F-1. Reference Section 7, Paragraph 7.1.9 in ISI Plan - Volume 1. TERMINAL END

Total G09.001 Items: 6

Total Category AUG Items: 6



Duke Power Company  
Quality Assurance Technical Services  
Inservice Inspection Plan For:

Oconee Unit 2

Interval 3

ISI Outage 5

Refueling Outage EOC 19

**Pressure Test Listing**

Revision 0

Run Date: March 22, 1994

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OCONEE UNIT NUMBER 2  
CLASS A (CATEGORY B-E) REQUIREMENTS  
FOR OUTAGE NUMBER 19

<u>ITEM NO.</u>	<u>DRAWING</u>	<u>REV</u>	<u>TEST</u>	<u>COMP</u>	<u>COMP NAME</u>	<u>REQ. INSP</u>	<u>REQ. PROC</u>	<u>COMMENTS</u>
B04.012.001	B/W 128714E9	N/A	HYDRO	VARIOUS	RPV-CRDM	QAL-	QAL-15	69 Welds CRDM to RPV Closure Head - Examine during Class A Hydro Test
B04.013.001	B/W 154712E	N/A	HYDRO	VARIOUS	RPV-INCORE	VT-2	QAL-15	52 Welds INCORE to RPV Bottom Head - Examine during Class A Hydro Test

OCONEE UNIT NUMBER 2  
CLASS A (CATEGORY B-P) REQUIREMENTS  
FOR OUTAGE NUMBER 19

<u>ITEM NO.</u>	<u>DRAWING</u>	<u>REV</u>	<u>TEST</u>	<u>COMP</u>	<u>COMP NAME</u>	<u>REQ. INSP</u>	<u>REQ. PROC</u>	<u>COMMENTS</u>
B15.051.001	SEE COMMENTS	N/A	HYDRO	VARIOUS	RC SYSTEM	VT-2	QAL-15	Drawings that make up the Class A Hydro Boundary: OFDH-100A-2.1, OFDH-100A-2.2, OFDH-100A-2.3, OFDH-101A-2.1, OFDH-101A-2.4, OFDH-102A-2.1, OFDH-102A-2.2, OFDH-102A-2.3, OFDH-110A-2.1, OFDH-110A-2.4

OCONEE UNIT NUMBER 2  
CLASS B (CATEGORY C-H) REQUIREMENTS  
FOR OUTAGE NUMBER 19

ITEM NO.	DRAWING	REV	TEST	COMP	COMP NAME	REQ. INSP	REQ. PROC	COMMENTS
C07.030.002	OFDL-101A-2.2	00	INSER	VARIOUS	HPI SYSTEM	VT-2	QAL-15	
C07.030.003	OFDL-101A-2.3	00	INSER	VARIOUS	HPI SYSTEM	VT-2	QAL-15	
C07.030.006	OFDL-102A-2.1	00	INS/FUN	VARIOUS	LPI SYSTEM	VT-2	QAL-15	Penetrations 36, 37 and 62
C07.030.008	OFDL-104A-1.2	02	INSER	VARIOUS	SF SYSTEM	VT-2	QAL-15	
C07.030.009	OFDL-102A-2.2	00	INS/FUN	VARIOUS	LPI SYSTEM	VT-2	QAL-15	Penetrations 15 and 16
C07.040.001	OFDH-101A-2.1	00	HYDRO	VARIOUS	HPI SYSTEM	VT-2	QAL-15	Penetrations 6 and 7
C07.040.002	OFDH-101A-2.2	00	HYDRO	VARIOUS	HPI SYSTEM	VT-2	QAL-15	
C07.040.003	OFDH-101A-2.3	00	HYDRO	VARIOUS	HPI SYSTEM	VT-2	QAL-15	
C07.040.004	OFDH-101A-2.4	00	HYDRO	VARIOUS	HPI SYSTEM	VT-2	QAL-15	Penetrations 8, 9, 10, 23 and 52
C07.040.005	OFDH-101A-2.5	00	HYDRO	VARIOUS	HPI SYSTEM	VT-2	QAL-15	
C07.040.006	OFDH-102A-2.1	00	HYDRO	VARIOUS	LPI SYSTEM	VT-2	QAL-15	Penetrations 36, 37 and 62
C07.040.007	OFDH-104A-1.1	00	HYDRO	VARIOUS	SF SYSTEM	VT-2	QAL-15	
C07.040.009	OFDH-102A-2.2	00	HYDRO	VARIOUS	LPI SYSTEM	VT-2	QAL-15	Penetrations 15 and 16
C07.040.010	OFDH-102A-2.3	00	HYDRO	VARIOUS	LPI SYSTEM	VT-2	QAL-15	Penetrations 39 and 59
C07.040.011	OFDH-103A-2.1	00	HYDRO	VARIOUS	BS SYSTEM	VT-2	QAL-15	Penetrations 13 and 14
C07.040.012	OFDH-106E-2.1	00	HYDRO	VARIOUS	DW SYSTEM	VT-2	QAL-15	Penetrations 46 and 55
C07.040.013	OFDH-107A-2.1	00	HYDRO	VARIOUS	CS SYSTEM	VT-2	QAL-15	Penetrations 18 and 38
C07.040.014	OFDH-107A-2.2	00	HYDRO	VARIOUS	CS SYSTEM	VT-2	QAL-15	Penetration 29
C07.040.015	OFDH-107B-2.1	00	HYDRO	VARIOUS	LWD SYSTEM	VT-2	QAL-15	Penetration 5
C07.040.016	OFDH-107D-2.2	00	HYDRO	VARIOUS	LWD SYSTEM	VT-2	QAL-15	Penetration 40

OCONEE UNIT NUMBER 2  
CLASS B (CATEGORY C-H) REQUIREMENTS  
FOR OUTAGE NUMBER 19

ITEM NO.	DRAWING	REV	TEST	COMP	COMP NAME	REQ. INSP	REQ. PROC	COMMENTS
C07.040.017	OFDH-110A-2.1	00	HYDRO	VARIOUS	CA SYSTEM	VT-2	QAL-15	Penetrations 2 and 58
C07.040.018	OFDH-110A-2.3	00	HYDRO	VARIOUS	CA SYSTEM	VT-2	QAL-15	Penetrations 24 and 42
C07.040.019	OFDH-110A-2.4	00	HYDRO	VARIOUS	CA SYSTEM	VT-2	QAL-15	
C07.040.020	OFDH-116A-2.1	00	HYDRO	VARIOUS	PR SYSTEM	VT-2	QAL-15	Penetrations 19 and 20
C07.040.021	OFDH-116C-2.1	00	HYDRO	VARIOUS	PR SYSTEM	VT-2	QAL-15	Penetrations 60 and 61
C07.040.022	OFDH-121B-2.3	00	HYDRO	VARIOUS	FDW SYSTEM	VT-2	QAL-15	Penetrations 25 and 27
C07.040.023	OFDH-121B-2.5	00	HYDRO	VARIOUS	FDW SYSTEM	VT-2	QAL-15	Penetrations 4 and 43
C07.040.024	OFDH-121D-2.1	00	HYDRO	VARIOUS	EFW SYSTEM	VT-2	QAL-15	Penetrations 17 and 50
C07.040.025	OFDH-122A-2.1	00	HYDRO	VARIOUS	MS SYSTEM	VT-2	QAL-15	Penetrations 26 and 28
C07.040.026	OFDH-122A-2.2	00	HYDRO	VARIOUS	MS SYSTEM	VT-2	QAL-15	
C07.040.027	OFDH-122A-2.3	00	HYDRO	VARIOUS	MS SYSTEM	VT-2	QAL-15	
C07.040.028	OFDH-122A-2.4	00	HYDRO	VARIOUS	MS SYSTEM	VT-2	QAL-15	
C07.040.029	OFDH-122B-2.1	00	HYDRO	VARIOUS	MS SYSTEM	VT-2	QAL-15	
C07.040.030	OFDH-124B-2.2	00	HYDRO	VARIOUS	LPSW SYSTEM	VT-2	QAL-15	Penetrations 30, 31, 32, 33, 34 and 35
C07.040.031	OFDH-124B-2.4	00	HYDRO	VARIOUS	LPSW SYSTEM	VT-2	QAL-15	Penetrations 21 and 22
C07.040.032	OFDH-127B-2.2	00	HYDRO	VARIOUS	N SYSTEM	VT-2	QAL-15	Penetrations 39 and 53
C07.040.034	OFDH-137A-2.3	00	HYDRO	VARIOUS	BA SYSTEM	VT-2	QAL-15	Penetration 48
C07.040.035	OFDH-137B-1.2	01	HYDRO	VARIOUS	IA SYSTEM	VT-2	QAL-15	Penetration 41
C07.040.036	OFDH-137E-1.1	01	HYDRO	VARIOUS	LRT SYSTEM	VT-2	QAL-15	Penetrations 45 and 51
C07.040.037	OFDH-144A-2.2	00	HYDRO	VARIOUS	CC SYSTEM	VT-2	QAL-15	Penetrations 3 and 54



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OCONEE UNIT NUMBER 2  
CLASS B (CATEGORY C-H) REQUIREMENTS  
FOR OUTAGE NUMBER 19

<u>ITEM NO.</u>	<u>DRAWING</u>	<u>REV</u>	<u>TEST</u>	<u>COMP</u>	<u>COMP NAME</u>	<u>REQ. INSP</u>	<u>REQ. PROC</u>	<u>COMMENTS</u>
C07.040.038	OFDH-144A-2.3	00	HYDRO	VARIOUS	CC SYSTEM	VT-2	QAL-15	Penetration 44

OCONEE UNIT NUMBER 2  
CLASS C (CATEGORY D-A) REQUIREMENTS  
FOR OUTAGE NUMBER 19

ITEM NO.	DRAWING	REV	TEST	COMP	COMP NAME	REQ. INSP	REQ. PROC	COMMENTS
D01.012.001	OFDH-100A-2.3	00	HYDRO	VARIOUS	RC SYSTEM	VT-2	QAL-15	
D01.012.002	OFDH-101A-2.1	00	HYDRO	VARIOUS	HPI SYSTEM	VT-2	QAL-15	
D01.012.003	OFDH-101A-2.2	00	HYDRO	VARIOUS	HPI SYSTEM	VT-2	QAL-15	
D01.012.004	OFDH-101A-2.3	00	HYDRO	VARIOUS	HPI SYSTEM	VT-2	QAL-15	
D01.012.005	OFDH-101A-2.4	00	HYDRO	VARIOUS	HPI SYSTEM	VT-2	QAL-15	
D01.012.006	OFDH-101A-2.5	00	HYDRO	VARIOUS	HPI SYSTEM	VT-2	QAL-15	
D01.012.007	OFDH-102A-2.1	00	HYDRO	VARIOUS	LPI SYSTEM	VT-2	QAL-15	
D01.012.008	OFDH-109A-1.1	00	HYDRO	VARIOUS	HP SYSTEM	VT-2	QAL-15	
D01.012.009	OFDH-102A-2.2	00	HYDRO	VARIOUS	LPI SYSTEM	VT-2	QAL-15	
D01.012.010	OFDH-106A-2.2	00	HYDRO	VARIOUS	CT SYSTEM	VT-2	QAL-15	
D01.012.011	OFDH-110A-2.1	00	HYDRO	VARIOUS	CA SYSTEM	VT-2	QAL-15	
D01.012.012	OFDH-110A-2.4	00	HYDRO	VARIOUS	CA SYSTEM	VT-2	QAL-15	
D01.012.013	OFDH-144A-2.2	00	HYDRO	VARIOUS	CC SYSTEM	VT-2	QAL-15	

OCONEE UNIT NUMBER 2  
CLASS C (CATEGORY D-B) REQUIREMENTS  
FOR OUTAGE NUMBER 19

ITEM NO.	DRAWING	REV	TEST	COMP	COMP NAME	REQ. INSP	REQ. PROC	COMMENTS
D02.012.001	OFDH-110A-2.3	00	HYDRO	VARIOUS	CA SYSTEM	VT-2	QAL-15	
D02.012.002	OFDH-121A-1.8	02	HYDRO	VARIOUS	C SYSTEM	VT-2	QAL-15	
D02.012.003	OFDH-121A-2.3	00	HYDRO	VARIOUS	C SYSTEM	VT-2	QAL-15	
D02.012.004	OFDH-121A-2.7	00	HYDRO	VARIOUS	C SYSTEM	VT-2	QAL-15	
D02.012.005	OFDH-121A-2.8	00	HYDRO	VARIOUS	C SYSTEM	VT-2	QAL-15	
D02.012.006	OFDH-121B-2.3	00	HYDRO	VARIOUS	FDW SYSTEM	VT-2	QAL-15	
D02.012.007	OFDH-121B-2.5	00	HYDRO	VARIOUS	FDW SYSTEM	VT-2	QAL-15	
D02.012.008	OFDH-121D-1.1	00	HYDRO	VARIOUS	EFW SYSTEM	VT-2	QAL-15	
D02.012.009	OFDH-121D-2.1	00	HYDRO	VARIOUS	EFW SYSTEM	VT-2	QAL-15	
D02.012.010	OFDH-121D-3.1	00	HYDRO	VARIOUS	EFW SYSTEM	VT-2	QAL-15	
D02.012.011	OFDH-121D-1.2	01	HYDRO	VARIOUS	EFW SYSTEM	VT-2	QAL-15	
D02.012.012	OFDH-122A-2.4	00	HYDRO	VARIOUS	MS SYSTEM	VT-2	QAL-15	
D02.012.013	OFDH-124A-1.1	02	HYDRO	VARIOUS	LPSW SYSTEM	VT-2	QAL-15	
D02.012.014	OFDH-124A-2.3	00	HYDRO	VARIOUS	LPSW SYSTEM	VT-2	QAL-15	
D02.012.015	OFDH-124B-2.1	01	HYDRO	VARIOUS	LPSW SYSTEM	VT-2	QAL-15	
D02.012.016	OFDH-124B-2.2	00	HYDRO	VARIOUS	LPSW SYSTEM	VT-2	QAL-15	
D02.012.017	OFDH-124B-2.4	00	HYDRO	VARIOUS	LPSW SYSTEM	VT-2	QAL-15	
D02.012.018	OFDH-133A-2.1	01	HYDRO	VARIOUS	CCW SYSTEM	VT-2	QAL-15	Adequate flow test is acceptable in lieu of hydro test.
D02.012.019	OFDH-133A-2.2	01	HYDRO	VARIOUS	CCW SYSTEM	VT-2	QAL-15	Adequate flow test is acceptable in lieu of hydro test.
D02.012.020	OFDH-124C-2.2	00	HYDRO	VARIOUS	CCW SYSTEM	VT-2	QAL-15	

OCONEE UNIT NUMBER 2  
CLASS C (CATEGORY D-B) REQUIREMENTS  
FOR OUTAGE NUMBER 19

<u>ITEM NO.</u>	<u>DRAWING</u>	<u>REV</u>	<u>TEST</u>	<u>COMP</u>	<u>COMP NAME</u>	<u>REQ. INSP</u>	<u>REQ. PROC</u>	<u>COMMENTS</u>
D02.012.021	OFDH-133A-2.3	00	HYDRO	VARIOUS	CCW SYSTEM	VT-2	QAL-15	
D02.012.022	OFDH-133A-2.5	01	HYDRO	VARIOUS	CCW SYSTEM	VT-2	QAL-15	
D02.012.023	OFDH-135A-1.2	00	HYDRO	VARIOUS	FO SYSTEM	VT-2	QAL-15	This is a unit 1 system tested as a unit 2 component.
D02.012.025	OFDH-121B-3.3	00	HYDRO	VARIOUS	EFW SYSTEM	VT-2	QAL-15	

Duke Power Company  
Quality Assurance Technical Services  
Inservice Inspection Plan For:

Oconee Unit 2

Interval 3

ISI Outage 6

Refueling Outage EOC 20

## **ISI Inspection Listing**

Revision 0

Run Date: May 11, 1994

**CATEGORY B-A, Pressure Retaining Welds  
in Reactor Vessel**

Shell Welds

DUKE POWER COMPANY  
QUALITY ASSURANCE TECHNICAL SERVICES  
Inservice Inspection Database Management System  
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**Inservice Inspection Plan for Interval 3 Outage 6**

ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
<b>.... Circumferential ....</b>								
B01.011.001	2-RPV-WR1A Circumferential	ISI-OCN2-001 OM-1201-454	ISI-138	UT	CS	170.630 9.500	40393	Reactor Vessel Nozzle Belt Pc. 87 to Shell Forging Pc. 165. Nozzle Belt to Shell Forging
B01.011.002	2-RPV-WR1 Circumferential	ISI-OCN2-001 OM-1201-454	ISI-138	UT	CS	170.630 9.500	40393	Reactor Vessel Shell Forging Pc. 165 to Shell Forging Pc. 166. Shell Forging to Shell Forging
B01.011.003	2-RPV-WR18 Circumferential	ISI-OCN2-001 OM-1201-454	ISI-138	UT	CS	167.630 12.000	40390	Reactor Vessel Upper Shell Forging Pc. 86 to Upper Shell Forging Pc. 87. Shell Forging to Shell Forging
<b>Total B01.011 Items:</b>		<b>3</b>						

**CATEGORY B-A, Pressure Retaining Welds  
in Reactor Vessel**

**Head Welds**

DUKE POWER COMPANY  
 QUALITY ASSURANCE TECHNICAL SERVICES  
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ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIATHK CAL	BLOCKS	COMMENTS
**** Circumferential ****								
B01.021.002	2-RPV-WR34 Circumferential	ISI-OCN2-001 OM-1201-454	ISI-138	UT	CS	170.250 5.500	40393	Reactor Vessel Transition Pc.36 to Lower Shell Forging Pc. 166. Transition Piece to Lower Shell
B01.021.003	2-RPV-WR35 Circumferential	ISI-OCN2-001 OM-1201-454	ISI-138	UT	CS	143.000 5.375	40392	Reactor Vessel Lower Head Pc. 6 to Transition Pc. 36. Transition Piece to Lower Head
Total B01.021 Items:		2						

**CATEGORY B-A, Pressure Retaining Welds  
in Reactor Vessel**

DUKE POWER COMPANY  
QUALITY ASSURANCE TECHNICAL SERVICES  
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Shell-to-Flange Weld

ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIATHK CAL BLOCKS	COMMENTS
B01.030.001	2-RPV-WR19 Circumferential	ISI-OCN2-001 OM-1201-454	ISI-138	UT	CS	167.630 40390 12.000	Reactor Vessel Upper Shell Forging Pc. 86 to Flange Pc. 7 Inspected from Vessel ID.

Total B01.030 Items: 1

Total Category B-A Items: 6



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

DUKE POWER COMPANY  
QUALITY ASSURANCE TECHNICAL SERVICES  
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**Inservice Inspection Plan for Interval 3 Outage 6**

**Heat Exchangers (Primary Side)—Head**

ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIATHK CAL	BLOCKS	COMMENTS
<b>**** Head Welds; Circumferential ****</b>								
B02.051.001	2-LDCB-OUT-V6 Circumferential	1-34097-2 OM-201-3107 OFD-101A-2.1	NDE-630	UT	SS	8.620 0.875	40411	Letdown Cooler 2B Outlet Channel Body Pc. 3 to End Connector Pc14.
B02.051.002	2-LDCB-IN-V5 Circumferential	1-34097-2 OM-201-3107 OFD-101A-2.1	NDE-630	UT	SS	8.620 0.875	40411	Letdown Cooler 2B Inlet Channel Body Pc. 3 to End Connector Pc.14.
<b>Total B02.051 Items:</b>		<b>2</b>						

**CATEGORY B-B. Pressure Retaining Welds  
in Vessels Other Than Reactor Vessels**

DUKE POWER COMPANY  
QUALITY ASSURANCE TECHNICAL SERVICES  
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**Inservice Inspection Plan for Interval 3 Outage 6**

**Heat Exchangers (Primary Side)—Shell**

ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
<b>**** Tubesheet-to-Head Welds ****</b>								
B02.060.001	2-LDCB-IN-V3 Circumferential	1-34097-2 OM-201-3107 OFD-101A-2.1	NDE-630	UT	SS	8.620 0.875	40411	Letdown Cooler 2B Inlet Tubesheet Pc. 2 to Channel Body Pc.3. Tubesheet to Channel Body
B02.060.002	2-LDCB-OUT-V4 Circumferential	1-34097-2 OM-201-3107 OFD-101A-2.1	NDE-630	UT	SS	8.620 0.875	40411	Letdown Cooler 2B Outlet Tubesheet Pc. 2 to Channel Body Pc.3. Tubesheet to Channel Body

Total B02.060 Items: **2**

Total Category B-B Items: **4**

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

**DUKE POWER COMPANY  
QUALITY ASSURANCE TECHNICAL SERVICES  
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Reactor Vessel

ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIATHK	CAL	BLOCKS	COMMENTS
<b>---- Nozzle-to-Vessel Welds ----</b>									
B03.090.001	2-RPV-WR13	ISI-OCN2-001	ISI-138	UT	CS	60.000	40390		Reactor Vessel X-Outlet Nozzle Pc. 19 to Upper Shell Pc.86 & 87. UT from Vessel ID.
	Circumferential	OM-1201-454				12.000			Nozzle to Upper Shell Forging
B03.090.001A	2-RPV-WR13	ISI-OCN2-001	ISI-138	UT	CS	60.000	50304		Reactor Vessel X-Outlet Nozzle Pc. 19 to Upper Shell Pc.86 & 87. UT from Nozzle ID. Note: For inspection in outage 1 see Request for Relief ONS-006.
	Circumferential	OM-1201-454				12.000			Nozzle to Upper Shell Forging
B03.090.002	2-RPV-WR13A	ISI-OCN2-001	ISI-138	UT	CS	60.000	40390		Reactor Vessel Z-Outlet Nozzle Pc. 19 to Upper Shell Pc. 86 & Pc. 87. UT from Vessel ID.
	Circumferential	OM-1201-454				12.000			Nozzle to Upper Shell Forging
B03.090.002A	2-RPV-WR13A	ISI-OCN2-001	ISI-138	UT	CS	60.000	50304		Reactor Vessel Y-Outlet Nozzle Pc. 19 to Upper Shell Pc. 86 & Pc. 87. UT from Nozzle ID. Note: For inspection in outage 1, see Request for Relief ONS-006.
	Circumferential	OM-1201-454				12.000			Nozzle to Upper Shell Forging
B03.090.003	2-RPV-WR12	ISI-OCN2-001	ISI-138	UT	CS	48.000	40390		Reactor Vessel W-X Inlet Nozzle Pc. 18 to Upper Shell Pc. 86 & Pc. 87. UT from Vessel ID.
	Circumferential	OM-1201-454				12.000			Nozzle to Upper Shell Forging
B03.090.003A	2-RPV-WR12	ISI-OCN2-001	ISI-138	UT	CS	48.000	40390		Reactor Vessel W-X Inlet Nozzle Pc. 18 to Upper Shell Pc. 86 & Pc. 87. UT from Nozzle ID.
	Circumferential	OM-1201-454				12.000			Nozzle to Upper Shell Forging
B03.090.004	2-RPV-WR12A	ISI-OCN2-001	ISI-138	UT	CS	48.000	40390		Reactor Vessel X-Y Inlet Nozzle Pc. 18 to Upper Shell Pc. 86 & Pc. 87. UT from Vessel ID.
	Circumferential	OM-1201-454				12.000			Nozzle to Upper Shell Forging
B03.090.004A	2-RPV-WR12A	ISI-OCN2-001	ISI-138	UT	CS	48.000	40390		Reactor Vessel W-X Inlet Nozzle Pc. 18 to Upper Shell Pc. 86 & Pc. 87. UT from Nozzle ID.
	Circumferential	OM-1201-454				12.000			Nozzle to Shell
B03.090.005	2-RPV-WR12B	ISI-OCN2-001	ISI-138	UT	CS	48.000	40390		Reactor Vessel Y-Z Inlet Nozzle Pc. 18 to Upper Shell Pc. 86 & Pc. 87. UT from Vessel ID.
	Circumferential	OM-1201-454				12.000			Nozzle to Upper Shell Forging
B03.090.005A	2-RPV-WR12B	ISI-OCN2-001	ISI-138	UT	CS	48.000	40390		Reactor Vessel Y-Z Inlet Nozzle Pc. 18 to Upper Shell Pc. 86 & Pc. 87. UT from Nozzle ID.
	Circumferential	OM-1201-454				12.000			Nozzle to Shell

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

Reactor Vessel

DUKE POWER COMPANY  
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ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
B03.090.006	2-RPV-WR12C Circumferential	ISI-OCN2-001 OM-1201-454	ISI-138	UT	CS	48.000 12.000	40390	Reactor Vessel Z-W Inlet Nozzle Pc. 18 to Upper Shell Pc. 86 & Pc. 87. UT from Vessel ID. Nozzle to Upper Shell Forging
B03.090.006A	2-RPV-WR12C Circumferential	ISI-OCN2-001 OM-1201-454	ISI-138	UT	CS	48.000 12.000	40390	Reactor Vessel Z-W Inlet Nozzle Pc. 18 to Upper Shell Pc. 86 & Pc. 87. UT from Nozzle ID. Nozzle to Upper Shell Forging
B03.090.007	2-RPV-WR54 Circumferential	ISI-OCN2-001 OM-1201-454	ISI-138	UT	CS	25.000 12.000	40390	Reactor Vessel Core Flood Nozzle W-Axis Pc. 17 to Upper Shell Pc. 86. UT from Vessel ID. Nozzle to Upper Shell Forging
B03.090.007A	2-RPV-WR54 Circumferential	ISI-OCN2-001 OM-1201-454	ISI-138	UT	CS	25.000 12.000	40390	Reactor Vessel Core Flood Nozzle W-Axis Pc. 17 to Upper Shell Pc. 86. UT from Nozzle ID. Nozzle to Upper Shell Forging
B03.090.008	2-RPV-WR54A Circumferential	ISI-OCN2-001 OM-1201-454	ISI-138	UT	CS	25.000 12.000	40390	Reactor Vessel Core Flood Nozzle Y-Axis Pc. 17 to Upper Shell Pc. 86. UT from Vessel ID. Nozzle to Upper Shell Forging
B03.090.008A	2-RPV-WR54A Circumferential	ISI-OCN2-001 OM-1201-454	ISI-138	UT	CS	25.000 12.000	40390	Reactor Vessel Core Flood Nozzle Y-Axis Pc. 17 to Upper Shell Pc. 86. UT from Nozzle ID. Nozzle to Upper Shell Forging
<b>Total B03.090 Items:</b>		<b>16</b>						

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

DUKE POWER COMPANY  
 QUALITY ASSURANCE TECHNICAL SERVICES  
 Inservice Inspection Database Management System  
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Reactor Vessel

ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIATHK	CAL	BLOCKS	COMMENTS
**** Nozzle Inside Radius Section ****									
B03.100.001	2-RPV-WR13	ISI-OCN2-001 OM-1201-454	ISI-138	UT	CS	60.000 12.000	50304		Reactor Vessel X-Outlet Nozzle Pc. 19. UT from Nozzle ID. (Inside Radius Section)Note: For inspection in outage 1, see Request for Relief ONS-006.
B03.100.002	2-RPV-WR13A	ISI-OCN2-001 OM-1201-454	ISI-138	UT	CS	60.000 12.000	50304		Reactor Vessel Z-Outlet Nozzle Pc. 19. UT from Nozzle ID. (Inside Radius Section)Note: For inspection in outage 1, see Request for Relief ONS-006.
B03.100.003	2-RPV-WR12	ISI-OCN2-001 OM-1201-454	ISI-138	UT	CS	48.000 12.000	40390		Reactor Vessel W-X Inlet Nozzle Pc. 18. UT from Nozzle ID. (Inside Radius Section)
B03.100.004	2-RPV-WR12A	ISI-OCN2-001 OM-1201-454	ISI-138	UT	CS	48.000 12.000	40390		Reactor Vessel X-Y Inlet Nozzle Pc. 18. UT from Nozzle ID. (Inside Radius Section)
B03.100.005	2-RPV-WR12B	ISI-OCN2-001 OM-1201-454	ISI-138	UT	CS	48.000 12.000	40390		Reactor Vessel Y-Z Inlet Nozzle Pc. 18. UT from Nozzle ID. (Inside Radius Section)
B03.100.006	2-RPV-WR12C	ISI-OCN2-001 OM-1201-454	ISI-138	UT	CS	48.000 12.000	40390		Reactor Vessel Z-W Inlet Nozzle Pc. 18. UT from Nozzle ID. (Inside Radius Section)
B03.100.007	2-RPV-WR54	ISI-OCN2-001 OM-1201-454	ISI-138	UT	CS	25.000 12.000	40390		Reactor Vessel Core Flood Nozzle W-Axis Pc. 17. UT from Nozzle ID. (Inside Radius Section)
B03.100.008	2-RPV-WR54A	ISI-OCN2-001 OM-1201-454	ISI-138	UT	CS	25.000 12.000	40390		Reactor Vessel Core Flood Nozzle Y-Axis Pc. 17. UT from Nozzle ID. (Inside Radius Section)
<b>Total B03.100 Items: 8</b>									

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

**Heat Exchangers (Primary Side)**

DUKE POWER COMPANY  
QUALITY ASSURANCE TECHNICAL SERVICES  
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ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
<b>.... Nozzle-to-Vessel Welds ....</b>								
B03.150.003	2-LDCB-INLET-V1 Circumferential	1-34097-2 OM-201-3107 OFD-101A-2.1	NDE-630	UT	SS	3.000 0.875	40411	LDC-2B Tubeside Inlet Nozzle Pc.5 to Channel Head Pc. 3. Nozzle to Channel Body
B03.150.004	2-LDCB-OUTLET-V2 Circumferential	1-34097-2 OM-201-3107 OFD-101A-2.1	NDE-630	UT	SS	3.000 0.875	40411	LDC-2B Tubeside Outlet Nozzle Pc.5 to Channel Head Pc. 3. Nozzle to Channel Body
<b>Total B03.150 Items:</b>		<b>2</b>						

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

DUKE POWER COMPANY  
QUALITY ASSURANCE TECHNICAL SERVICES  
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**Inservice Inspection Plan for Interval 3 Outage 6**

**Heat Exchangers (Primary Side)**

ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
<b>---- Nozzle Inside Radius Section ----</b>								
B03.160.003	2-LDCB-INLET-V1 Circumferential	1-34097-2 OM-201-3107 OFD-101A-2.1	NDE-630	UT	SS	3.000 0.875	40411	LDC-2B Tubeside Inlet Nozzle Pc.5 (Inside Radius Section). Reference Request for Relief ONS-009.
				Nozzle to Channel Body				
B03.160.004	2-LDCB-OUTLET-V2	1-34097-2 OM-201-3107 OFD-101A-2.1	NDE-630	UT	SS	3.000 0.875	40411	LDC-2B Tubeside Outlet Nozzle Pc.5 (Inside Radius Section). Reference Request for Relief ONS-009.
				Nozzle to Channel Body				

Total B03.160 Items:      **2**

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Total Category B-D Items:      **28**

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

**DUKE POWER COMPANY  
QUALITY ASSURANCE TECHNICAL SERVICES  
Inservice Inspection Database Management System  
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Reactor Vessel

ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
<b>**** NPS 4 or larger; Nozzle-to-Safe End Butt Welds ****</b>								
B05.010.001A	2-RPV-WR53 Circumferential	ISI-OCN2-001 OM-1201-1528	ISI-138	UT	SS/CS	15.625	40388 1.688	A-Side Core Flood Nozzle Safe-End Pc. 89 to Nozzle Pc. 17 (W-Axis). UT from Nozzle Side.
				Nozzle to Safe-End				
B05.010.001B	2-RPV-WR53 Circumferential	ISI-OCN2-001 OM-1201-1528	ISI-138	UT	SS/CS	15.625	40389 1.688	A-Side Core Flood Nozzle Safe-End Pc. 89 to Nozzle Pc. 17 (W-Axis). UT from Safe-End Side.
				Nozzle to Safe-End				
B05.010.002A	2-RPV-WR53A Circumferential	ISI-OCN2-001 OM-1201-1528	ISI-138	UT	SS/CS	15.625	40388 1.688	B-Side Core Flood Nozzle Safe-End Pc. 89 to Nozzle Pc. 17 (Y-Axis). UT from Nozzle Side.
				Nozzle to Safe-End				
B05.010.002B	2-RPV-WR53A Circumferential	ISI-OCN2-001 OM-1201-1528	ISI-138	UT	SS/CS	15.625	40389 1.688	B-Side Core Flood Nozzle Safe-End Pc. 89 to Nozzle Pc. 17 (Y-Axis). UT from Safe-End Side.
				Nozzle to Safe-End				
<b>Total B05.010 Items:</b>		<b>4</b>						



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

**DUKE POWER COMPANY  
QUALITY ASSURANCE TECHNICAL SERVICES  
Inservice Inspection Database Management System  
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Piping

ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
<b>**** NPS 4 or Larger; Dissimilar Metal Butt Welds ****</b>								
B05.130.009	2-PIA2-7	ISI-OCN2-008 OM-1201-966	NDE-610	UT	SS/CS	33.500	40305	UT from pipe side
	Circumferential					2.330		Pipe (Pc. 56) to Safe-End (Pc. 55)
B05.130.009A	2-PIA2-7	ISI-OCN2-008 OM-1201-966	NDE-610	UT	SS/CS	33.500	40397	UT from the safe-end side.
	Circumferential					2.330		Safe-End (Pc. 55) to Pipe (Pc.56)
B05.130.009B	2-PIA2-7	ISI-OCN2-008 OM-1201-966	NDE-35	PT	SS/CS	33.500		
	Circumferential					2.330		Safe-End (Pc. 55) to Pipe (Pc.56)
B05.130.013	2-PSP-1	ISI-OCN2-016 OFD 100A-2.2	NDE-610	UT	SS/Inconel	4.000	TBD	UT from the safe-end side. TERMINAL END
	Circumferential Term end / Stress weld					0.438		Nozzle (Pressurizer Spray) to Pipe (Pc. 90)
B05.130.013A	2-PSP-1	ISI-OCN2-016 OFD 100A-2.2	NDE-35	PT	SS/Inconel	4.000		TERMINAL END
	Circumferential Term end					0.438		Nozzle (Pressurizer Spray) to Pipe (Pc. 90)
<b>Total B05.130 Items: 5</b>								

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

DUKE POWER COMPANY  
QUALITY ASSURANCE TECHNICAL SERVICES  
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**Inservice Inspection Plan for Interval 3 Outage 6**

Piping

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

B05.140.005	2-PDA2-11 Circumferential	ISI-OCN2-012 B&W146829E	NDE-35	PT	SS/CS	3.500 0.750		Nozzle (Pc. 46) to Safe-End Pc. 47
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B05.140.008	2-PIA1-11 Circumferential	ISI-OCN2-007 B&W146823E	NDE-35	PT	SS/Inconel	3.500 0.816		Nozzle (Pc. 64) to Safe-End Pc.65
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Total B05.140 Items: 2

Total Category B-F Items: 11

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

Pressurizer

DUKE POWER COMPANY  
QUALITY ASSURANCE TECHNICAL SERVICES  
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ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
**** Flange Surface, when connection disassembled ****								
B06.070.001	2-PZR-MW-FLANGE	B&W149762E	QAL-13	VT-1	CS	28.000	0.000	Pressurizer Manway Flange Surface; Includes 1" Annular Surface surrounding each stud. Inspect when connection is disassembled.

Total B06.070 Items: 1

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

**Pumps**

DUKE POWER COMPANY  
QUALITY ASSURANCE TECHNICAL SERVICES  
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ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
<b>**** Bolts and Studs ****</b>								
B06.180.006	2-RCP-2A2-SEAL	OM-1201D-0057	NDE-942	UT	CS	2.250 0.000	TBD	Reactor Coolant Pump 2A2 Seal Gland Bolts (8 Total). Length = 11.750.
B06.180.008	2-RCP-2B2-SEAL	OM-1201D-0057	NDE-942	UT	CS	2.250 0.000	TBD	Reactor Coolant Pump 2B2 Seal Gland Bolts (8 Total). Length = 11.750.
Total B06.180 Items:		2						

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

**Pumps**

DUKE POWER COMPANY  
QUALITY ASSURANCE TECHNICAL SERVICES  
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ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIATHK	CAL BLOCKS	COMMENTS
**** Flange Surface, when connection disassembled ****								
B06.190.001	2-RCP-2A1-FLANGE	OM-1201D-0005 OM-1201-1217	QAL-13	VT-1	SS	0.000 0.000		Reactor Coolant Pump 2A1 Main Flange, Including 1" Annular Surface of Flange surrounding each stud. (Inspect only if disassembled.)
B06.190.002	2-RCP-2A2-FLANGE	OM-1201D-0005 OM-1201-1217	QAL-13	VT-1	SS	0.000 0.000		Reactor Coolant Pump 2A1 Main Flange, Including 1" Annular Surface of Flange surrounding each stud. (Inspect only if disassembled.)
B06.190.003	2-RCP-2B1-FLANGE	OM-1201D-0005 OM-1201-1217	QAL-13	VT-1	SS	0.000 0.000		Reactor Coolant Pump 2A1 Main Flange, Including 1" Annular Surface of Flange surrounding each stud. (Inspect only if disassembled.)
B06.190.004	2-RCP-2B2-FLANGE	OM-1201D-0005 OM-1201-1217	QAL-13	VT-1	SS	0.000 0.000		Reactor Coolant Pump 2A1 Main Flange, Including 1" Annular Surface of Flange surrounding each stud. (Inspect only if disassembled.)
Total B06.190 Items:		4						

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

DUKE POWER COMPANY  
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Pumps

ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DI/THK	CAL BLOCKS	COMMENTS
---- Nuts, Bushings, and Washers ----								
B06.200.005	2-RCP-2A1-WASHER	OM-1201D-0057	QAL-13	VT-1	NA	0.000 0.000		Reactor Coolant Pump 2A1 Seal Gland Nuts & Washers. ( 8 Each)
B06.200.007	2-RCP-2B1-WASHER	OM-1201D-0057	QAL-13	VT-1	NA	0.000 0.000		Reactor Coolant Pump 2B1 Seal Gland Nuts & Washers. ( 8 Each)
Total B06.200 Items:		2						
Total Category B-G-1 Items:		9						

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

**Steam Generators**

DUKE POWER COMPANY  
QUALITY ASSURANCE TECHNICAL SERVICES  
Inservice Inspection Database Management System  
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ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIATHK	CAL BLOCKS	COMMENTS
<b>**** Bolts, Studs, and Nuts ****</b>								
B07.030.003	2-SGB-UMW-BOLT	OM-1201-1477	QAL-13	VT-1	SS	2.000 0.000		Steam Generator 2B Upper Head Manway Studs & Nuts (Total 16 Studs Pc. 111 and Nuts Pc. 109). Length = 11.500".
B07.030.004	2-SGB-LMW-BOLT	OM-1201-1477	QAL-13	VT-1	SS	2.000 0.000		Steam Generator 2B Lower Head Manway Studs & Nuts (Total 16 Studs Pc. 111 and Nuts Pc. 109). Length = 11.500".
<b>Total B07.030 Items:</b>		<b>2</b>						

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

DUKE POWER COMPANY  
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Valves

ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
**** Bolts, Studs, and Nuts ****								
B07.070.009	2-50-RC4-BOLTS	OM-2245-086	QAL-13	VT-1	NA	0.000	0.000	Pressurizer Relief Line. Valve RC-4 Bolting.
B07.070.018	2-53A-LP131-BOLTS	OM-245-1085 QFD-100A-2.2	QAL-13	VT-1	NA	0.000	0.000	Auxiliary Pressurizer Spray Valve. Valve LP-131 Bolting. (Replaces Valve LP-45.)

Total B07.070 Items: 2



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

**CRD Housings**

DUKE POWER COMPANY  
QUALITY ASSURANCE TECHNICAL SERVICES  
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ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DI/THK	CAL BLOCKS	COMMENTS
<b>**** Bolts, Studs, and Nuts ****</b>								
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 & 60 Inspected to date. (Inspect only if disassembled). Reference Request for Relief ONS-004 and ONS-005.
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 & 60) Inspected to date. (Inspect only if disassembled).

Total B07.080 Items: 2

Total Category B-G-2 Items: 6

**CATEGORY B-J, Pressure Retaining Welds  
In Piping**

**NPS 4 or Larger**

**DUKE POWER COMPANY  
QUALITY ASSURANCE TECHNICAL SERVICES  
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ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
**** Circumferential Welds ****								
B09.011.006	2-53A-8-5 Circumferential	2-53A-8(1) OFD-102A-2.2	NDE-600	UT	SS	10.000	40399 1.000	Pipe to Elbow
B09.011.006A	2-53A-8-5 Circumferential	2-53A-8(1) OFD-102A-2.2	NDE-35	PT	SS	10.000	1.000	Pipe to Elbow
B09.011.012	2-53A-8-53 Circumferential	2-53A-8(3) OFD-102A-2.3	NDE-600	UT	SS	14.000	40389 1.250	Pipe to Elbow
B09.011.012A	2-53A-8-53 Circumferential	2-53A-8(3) OFD-102A-2.3	NDE-35	PT	SS	14.000	1.250	Pipe to Elbow
B09.011.014	2-53A-9-10 Circumferential	2-53A-9 OFD-102A-2.3	NDE-600	UT	SS	10.000	40399 1.000	Pipe to Elbow
B09.011.014A	2-53A-9-10 Circumferential	2-53A-9 OFD-102A-2.3	NDE-35	PT	SS	10.000	1.000	Pipe to Elbow
B09.011.017	2-51A-27-56B Circumferential	2-51A-27 (3) OFD-101A-2.4	NDE-600	UT	SS	4.000	40406 0.531	Tee to Reducer
B09.011.017A	2-51A-27-56B Circumferential	2-51A-27 (3) OFD-101A-2.4	NDE-35	PT	SS	4.000	0.531	Tee to Reducer
B09.011.019	2-PHA-1 Circumferential Term end	ISI-OCN2-005 OM-1201-966	ISI-138	UT	CS	42.750	40350 3.000	For inspection in Outage 1, see Request for Relief ONS-006. TERMINAL END Nozzle ( Pc. 19) to Pipe (Pc. 32)
B09.011.019A	2-PHA-1 Circumferential Term end	ISI-OCN2-005 OM-1201-966	NDE-25	MT	CS	42.750	3.000	See Request for Relief ONS-002. TERMINAL END Nozzle ( Pc. 19) to Pipe (Pc. 32)

**CATEGORY B-J. Pressure Retaining Welds  
In Piping**

**NPS 4 or Larger**

DUKE POWER COMPANY  
QUALITY ASSURANCE TECHNICAL SERVICES  
Inservice Inspection Database Management System  
Oconee Unit 2

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**Inservice Inspection Plan for Interval 3 Outage 6**

ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
B09.011.021	2-PHB-1 Circumferential Term end	ISI-OCN2-006 OM-1201-966	ISI-138	UT	CS	42.750	40350 3.000	For inspection in Outage 1, see Request for Relief ONS-006. TERMINAL END
				Nozzle to Pipe				
B09.011.021A	2-PHB-1 Circumferential Term end	ISI-OCN2-006 OM-1201-966	NDE-25	MT	CS	42.750	3.000	See Request for Relief ONS-002. TERMINAL END
				Nozzle to Pipe				
B09.011.033	2-PDA2-8 Circumferential Term end	ISI-OCN2-012	NDE-600 ISI-138	UT	CS	33.500	40350 3.000	TERMINAL END
				Nozzle to Pipe				
B09.011.033A	2-PDA2-8 Circumferential Term end	ISI-OCN2-012	NDE-25	MT	CS	33.500	3.000	See Request for Relief ONS-002. TERMINAL END
				Nozzle to Pipe				
B09.011.035	2-PDB2-8 Circumferential Term end	ISI-OCN2-014	NDE-600 ISI-138	UT	CS	33.500	40350 3.000	TERMINAL END
				Nozzle to Pipe				
B09.011.035A	2-PDB2-8 Circumferential Term end	ISI-OCN2-014	NDE-25	MT	CS	33.500	3.000	See Request for Relief ONS-002. TERMINAL END
				Nozzle to Pipe				
B09.011.038	2-PSL-3 Circumferential Stress weld	ISI-OCN2-015 OFD-100A-2.2	NDE-600	UT	SS	10.000	40399 1.000	
				Pipe to Elbow				
B09.011.038A	2-PSL-3 Circumferential Stress weld	ISI-OCN2-015 OFD-100A-2.2	NDE-35	PT	SS	10.000	1.000	
				Pipe to Elbow				
B09.011.040	2-PSL-5 Circumferential Stress weld	ISI-OCN2-015 OFD-100A-2.2	NDE-600	UT	SS	10.000	40399 1.000	
				Pipe to Pipe				
B09.011.040A	2-PSL-5 Circumferential Stress weld	ISI-OCN2-015 OFD-100A-2.2	NDE-35	PT	SS	10.000	1.000	
				Pipe to Pipe				

**CATEGORY B-J, Pressure Retaining Welds  
In Piping**

**NPS 4 or Larger**

DUKE POWER COMPANY  
QUALITY ASSURANCE TECHNICAL SERVICES  
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**Inservice Inspection Plan for Interval 3 Outage 6**

ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
B09.011.042	2-PSL-7	ISI-OCN2-015 OFD-100A-2.2	NDE-600	UT	SS	10.000	40399 1.000	Elbow to Pipe
B09.011.042A	2-PSL-7	ISI-OCN2-015 OFD-100A-2.2	NDE-35	PT	SS	10.000	1.000	Elbow to Pipe

**Total B09.011 Items: 22**

**CATEGORY B-J, Pressure Retaining Welds  
In Piping**

**Less Than NPS 4**

**DUKE POWER COMPANY  
QUALITY ASSURANCE TECHNICAL SERVICES  
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ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIATHK	CAL	BLOCKS	COMMENTS
<b>.... Circumferential Welds ....</b>									
B09.021.008	2-51A-146-21	2-51A-146 OFD-101A-2.1	NDE-35	PT	SS	3.000			Letdown Cooler 2A Outlet Nozzle. TERMINAL END
	Circumferential Term end					0.438			Nozzle to Pipe
B09.021.012	2-51A-147-27	2-51A-147 OFD-101A-2.1	NDE-35	PT	SS	3.000			Letdown Cooler 2A Inlet Nozzle to Elbow weld. TERMINAL END
	Circumferential Term end					0.438			Elbow to Nozzle
B09.021.014	2-51A-27-63	2-51A-27 (2) OFD-101A-2.4	NDE-35	PT	SS	2.500			
	Circumferential					0.375			Pipe to Elbow
B09.021.016	2-51A-27-105A	2-51A-27 (3) OFD-101A-2.4	NDE-35	PT	SS	2.500			
	Circumferential					0.375			Elbow to Pipe
B09.021.018	2-51A-27-88	2-51A-27 (3) OFD-101A-2.4	NDE-35	PT	SS	2.500			
	Circumferential					0.375			Pipe to Elbow
B09.021.020	2-51A-27-93	2-51A-27 (3) OFD-101A-2.4	NDE-35	PT	SS	2.500			
	Circumferential					0.375			Elbow to Pipe
B09.021.025	2-51A-30-26	2-51A-30 OFD-101A-2.4	NDE-35	PT	SS	2.500			
	Circumferential					0.375			Pipe to Elbow
B09.021.054	2-PSP-4	ISI-OCN2-016 OFD-100A-2.2	NDE-35	PT	SS	2.500			
	Circumferential Stress weld					0.375			Reducer to Pipe
B09.021.056	2-PSP-6	ISI-OCN2-016 OFD-100A-2.2	NDE-35	PT	SS	2.500			
	Circumferential Stress weld					0.375			Elbow to Tee

**Total B09.021 Items: 9**

CATEGORY B-J, Pressure Retaining Welds  
In Piping

DUKE POWER COMPANY  
QUALITY ASSURANCE TECHNICAL SERVICES  
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Branch Pipe Connection Welds

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ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIATHK	CAL	BLOCKS	COMMENTS
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\*\*\*\* Less Than NPS 4 \*\*\*\*

B09.032.003	2-PDA2-10	ISI-OCN2-012	NDE-25	MT	CS	3.000			
	Branch	OM-1201-966				2.250			
	Stress weld	OM-1201-969							Nozzle ( Pc. 46) to Pipe ( Pc. 44)

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Total B09.032 Items:            1

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**CATEGORY B-J, Pressure Retaining Welds  
In Piping**

DUKE POWER COMPANY  
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**Socket Welds**

ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
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B09.040.001	2-50-129-11G	2-50-129 OFD-100A-2.2	NDE-35	PT	SS	1.500 0.281		Tee to Reducing insert
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Total B09.040 Items: 1

Total Category B-J Items: 33

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

DUKE POWER COMPANY  
 QUALITY ASSURANCE TECHNICAL SERVICES  
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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 Circumferential	ISI-OCN2-007 OM-1201D-0005 OM-1201-0001	NDE-12	RT	SS	68.000 0.000	Casing to Casing	Reactor Coolant Pump 2A1 Casing Weld. (Inspect only if pump is disassembled for maintenance purposes, repair, ect.) See Request for Relief ONS-008 Volume 1 Section 9.
B12.010.002	2-RCP-2A2 Circumferential	ISI-OCN2-008 OM-1201D-0005 OM-1201-0001	NDE-12	RT	SS	68.000 0.000	Casing to Casing	Reactor Coolant Pump 2A2 Casing Weld. (Inspect only if pump is disassembled)
B12.010.003	2-RCP-2B1 Circumferential	ISI-OCN2-009 OM-1201D-0005 OM-1201-0001	NDE-12	RT	SS	68.000 0.000	Casing to Casing	Reactor Coolant Pump 2B1 Casing Weld. (Inspect only if pump is disassembled)
B12.010.004	2-RCP-2B2 Circumferential	ISI-OCN2-010 OM-1201D-0005 OM-1201-0001	NDE-12	RT	SS	68.000 0.000	Casing to Casing	Reactor Coolant Pump 2B2 Casing Weld. (Inspect only if pump is disassembled)
Total B12.010 Items:		4						



**CATEGORY B-L-2, Pump Casings**

DUKE POWER COMPANY  
 QUALITY ASSURANCE TECHNICAL SERVICES  
 Inservice Inspection Database Management System  
 Oconee Unit 2  
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**Pumps**

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 OM-1201D-0005 OM-1201-0001	QAL-14	VT-3	SS	68.000 0.000		Reactor Coolant Pump 2A1 Casing Internal Surfaces. (Inspect only if pump is disassembled for maintenance purposes, repair,ect.)
B12.020.002	2-RCP-2A2-CASING	ISI-OCN2-008 OM-1201D-0005 OM-1201-0001	QAL-14	VT-3	SS	68.000 0.000		Reactor Coolant Pump 2A2 Casing Internal Surfaces. (Inspect only if pump is disassembled for maintenance purposes, repair,ect.)
B12.020.003	2-RCP-2B1-CASING	ISI-OCN2-009 OM-1201D-0005 OM-1201-0001	QAL-14	VT-3	SS	68.000 0.000		Reactor Coolant Pump 2B1 Casing Internal Surfaces. (Inspect only if pump is disassembled for maintenance purposes, repair,ect.)
B12.020.004	2-RCP-2B2-CASING	ISI-OCN2-010 OM-1201D-0005 OM-1201-0001	QAL-14	VT-3	SS	68.000 0.000		Reactor Coolant Pump 2B2 Casing Internal Surfaces. (Inspect only if pump is disassembled for maintenance purposes, repair,ect.)
<b>Total B12.020 Items:</b>		<b>4</b>						

**CATEGORY B-M-2, Valve Bodies**

**DUKE POWER COMPANY  
QUALITY ASSURANCE TECHNICAL SERVICES  
Inservice Inspection Database Management System  
Oconee Unit 2**

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**Valves**

ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIATHK CAL BLOCKS	COMMENTS
<b>.... Valve Body, Exceeding NPS 4 ....</b>							
B12.050.001	2-53A-CF11	OM-245-001 OFD-102A-2.3	QAL-14	VT-3	SS	14.250 0.000	A-Side Core Flood (W-Axis) Valve Body - Valve CF-11. (Inspect only if valve is disassembled for maintenance purposes, valve repair, etc.)
B12.050.002	2-53A-CF12	OM-245-001 OFD-102A-2.3	QAL-14	VT-3	SS	14.250 0.000	A-Side Core Flood (W-Axis) Valve Body - Valve CF-12. (Inspect only if valve is disassembled for maintenance purposes, valve repair, etc.)
B12.050.003	2-53A-CF13	OM-245-001 OFD-102A-2.3	QAL-14	VT-3	SS	14.250 0.000	B-Side Core Flood (Y-Axis) Valve Body - Valve CF-13. (Inspect only if valve is disassembled for maintenance purposes, valve repair, etc.)
B12.050.004	2-53A-CF14	OM-245-001 OFD-102A-2.3	QAL-14	VT-3	SS	14.250 0.000	B-Side Core Flood (Y-Axis) Valve Body - Valve CF-14. (Inspect only if valve is disassembled for maintenance purposes, valve repair, etc.)
B12.050.005	2-53A-LP47	OM-245-001 OFD-102A-2.2	QAL-14	VT-3	SS	14.250 0.000	B-Side LPI Valve Body- Valve LP-47. (Inspect only if valve is disassembled for maintenance purposes, valve repair, etc.)
B12.050.006	2-53A-LP48	OM-245-001 OFD-102A-2.2	QAL-14	VT-3	SS	10.937 0.000	B-Side LPI Valve Body- Valve LP-48. (Inspect only if valve is disassembled for maintenance purposes, valve repair, etc.)
B12.050.007	2-53A-LP1	OM-201-165 OFD-102A-2.1	QAL-14	VT-3	SS	12.968 0.000	Decay Heat Suction Valve LP-1. (Inspect only if valve is disassembled for maintenance purposes, valve repair, etc.)
B12.050.008	2-53A-LP2	OM-201-165 OFD-102A-2.1	QAL-14	VT-3	SS	12.968 0.000	Decay Heat Valve LP-2. (Inspect only if valve is disassembled for maintenance purposes, valve repair, etc.)
<b>Total B12.050 Items:</b>		<b>8</b>					
<b>Total Category B-M-2 Items:</b>		<b>16</b>					

CATEGORY B-N-1, Interior of Reactor  
Vessel

DUKE POWER COMPANY  
QUALITY ASSURANCE TECHNICAL SERVICES  
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Reactor Vessel

ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
**** Vessel interior ****								
B13.010.001	2-RPV-INT-SURFACE	B&W152008E ISI-OCN2-001	QAL-14	VT-3	SS	0.000 0.000		Reactor Vessel Internal Surfaces

Total B13.010 Items: 1

CATEGORY B-N-3, Removable Core  
Support Structures

Reactor Vessel (PWR)

DUKE POWER COMPANY  
QUALITY ASSURANCE TECHNICAL SERVICES  
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ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
---- Core Support Structure ----								
B13.070.001	2-RPV-INTERNALS	ISI-OCN2-001 B&W152008E	QAL-14	VT-3	NA	0.000 0.000		Reactor Vessel Core Support Structures; Welds, Bolting, and Surfaces.

Total B13.070 Items: 1

Total Category B-N-3 Items: 2

**CATEGORY B-Q, Steam Generator Tubing**

DUKE POWER COMPANY  
QUALITY ASSURANCE TECHNICAL SERVICES  
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Steam Generator Tubing In Straight Tube Design

ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIATHK	CAL BLOCKS	COMMENTS
**** Steam Generator Tubing In Straight Tube Design ****								
B16.011.001	2-SGA-TUBES			ET	NA	0.000 0.000		Information on S/G Tube examinations can be acquired from the Diversified Services Group of the Generation Services Department, Duke Power Company.
B16.011.002	2-SGB-TUBES			ET	NA	0.000 0.000		Information on S/G Tube examinations can be acquired from the Diversified Services Group of the Generation Services Department, Duke Power Company.
Total B16.011 Items:		2						
Total Category B-Q Items:		2						

**CATEGORY C-A, Pressure Retaining Welds  
In Pressure Vessels**

DUKE POWER COMPANY  
 QUALITY ASSURANCE TECHNICAL SERVICES  
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**Shell Circumferential Welds**

ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DI/THK	CAL BLOCKS	COMMENTS
C01.010.003	2-SGB-WG8-2 Circumferential	ISI-OCN2-004 OM-1201-450	NDE-620 NDE-640	UT	CS	138.000	40339 4.188	Steam Generator 2B Shell Pc. 2 to Nozzle Belt Pc. 3. SGB Shell to SGB Nozzle Belt

**Total C01.010 Items: 1**

**CATEGORY C-A, Pressure Retaining Welds  
In Pressure Vessels**

DUKE POWER COMPANY  
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**Inservice Inspection Plan for Interval 3 Outage 6**

**Head Circumferential Welds**

ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
C01.020.002	2-51A-33-55 Circumferential	2-51A-33 OFD-101A-2.1	NDE-630	UT	SS	14.000	TBD 1.406	N-16 Decay Tank : Top Head to Shell.
				Head to Shell				
C01.020.006	2-RC-ACC-HD-1 Circumferential	OM-261-0013 OFD-101A-2.5	NDE-630	UT	SS	10.750	TBD 0.319	SSF Make-Up Accumulator Head Pc. 1.2 to Shell Pc. 1.
				Head to Shell				

Total C01.020 items: 2

Total Category C-A Items: 3

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

DUKE POWER COMPANY  
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Nozzles With Reinforcing Plate In Vessels > 1/2  
in. Nominal Thickness

ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIATHK CAL	BLOCKS	COMMENTS
<b>**** Reinforcing Plate Welds to Nozzle and Vessel ****</b>								
C02.031.001	2-51A-92-1Z	2-51A-92	NDE-35	PT	SS	2.500		N-16 Decay Tank.Re-inforcing Collar Weld.
						1.000		Collar to Tank
C02.031.002	2-51A-92-82Z	2-51A-92 OFD-101A-2.1	NDE-35	PT	SS	2.500		N-16 Decay Tank Re-inforcing Collar Weld (Inlet Nozzle).
						1.000		Collar Weld to Tank
C02.031.003	2-51A-92-83Z	2-51A-92 OFD-101A-2.1	NDE-35	PT	SS	2.500		N-16 Decay Tank Re-inforcing Collar Weld (Inlet Nozzle).
						1.000		Collar Weld to Tank

Total C02.031 Items: 3

**\*\*\*\* Nozzle-to-Shell (or Head) Welds When Inside of Vessel Is Inaccessible \*\*\*\***

C02.033.001	2-51A-33-1	2-51A-33 OFD-101A-2.1	QAL-15	VT-2	SS	2.500		N-16 Decay Tank: Outlet Nozzle to Shell.
						0.375		Collar Weld to Tank
C02.033.002	2-51A-33-73	2-51A-33 OFD-101A-2.1	QAL-15	VT-2	SS	2.500		N-16 Decay Tank : Inlet Nozzle to Shell.
						0.375		Collar Weld to Tank
C02.033.003	2-51A-33-74	2-51A-33 OFD-101A-2.1	QAL-15	VT-2	SS	2.500		N-16 Decay Tank : Inlet Nozzle to Shell.
						0.375		Collar Weld to Tank

Total C02.033 Items: 3

Total Category C-B Items: 6



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

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Pressure Vessels

ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
**** Integrally Welded Attachments ****								
C03.010.007	2-SGB-WG84-WX	OM-1201-1511 OM-1201-95	NDE-25	MT	CS	0.000 1.000		Steam Generator 2B Feedwater Header Support Attachment Pc. 152/153 W-X Quadrant nearest to W- Axis.
C03.010.008	2-SGB-WG84-XW	OM-1201-1511 OM-1201-95	NDE-25	MT	CS	0.000 1.000		Steam Generator 2B Feedwater Header Support Attachment Pc. 152/153 W-X Quadrant nearest to X- Axis.

Total C03.010 Items: 2

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

DUKE POWER COMPANY  
QUALITY ASSURANCE TECHNICAL SERVICES  
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**Inservice Inspection Plan for Interval 3 Outage 6**

Piping

ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
**** Integrally Welded Attachments ****								
C03.020.008	2-01A-H4A Rigid restraint	0-1481A OFD-122A-2.1	NDE-25	MT	CS	26.000 0.750		FILE NO. OSC-440 PROBLEM NO. 2-01-01 PAGE 40 MAIN STEAM PIPING
C03.020.009	2-01A-H5A Rigid restraint	0-1481A OFD-122A-2.1	NDE-25	MT	CS	26.000 0.750		FILE NO. OSC-440 PROBLEM NO. 2-01-01 PAGE 40 MAIN STEAM PIPING
C03.020.010	2-01A-H5B Rigid restraint	0-1481A OFD-122A-2.1	NDE-25	MT	CS	26.000 0.750		FILE NO. OSC-440 PROBLEM NO. 2-01-01 PAGE 40 MAIN STEAM PIPING
C03.020.025	2-14B-H19A Rigid restraint	0-1479A OFD-124B-2.2	NDE-25	MT	CS	8.000 1.625		FILE NO. OSC-1325 PROBLEM NO. 2-14-16 VOL.5OF12 LP SERVICE WATER
C03.020.033	2-14B-H5C Rigid restraint	0-1479A OFD-124B-2.2	NDE-25	MT	CS	8.000 1.500		FILE NO. OSC-1325 PROBLEM NO. 2-14-13 VOL.3OF12 LP SERVICE WATER
C03.020.036	2-51-DE104 Rigid restraint	2-0-436E OFD-101A-2.3	NDE-35	PT	SS	6.000 0.750		File Number = OSC-481, Page 143; Problem Number = 51-2
C03.020.053	2-54A-H17 Spring hanger	3-0-1439B OFD-103A-2.1	NDE-35	PT	SS	8.000 1.000		FILE NO. OS-496, PROBLEM NO. 2-54-03, SHT 2 OF 2. SYSTEM 54A.
C03.020.056	2-57-H5 Rigid restraint	0-1481A OFD-100A-2.2	NDE-35	PT	SS	6.000 0.750		FILE NO. OSC-1332-06 PAGE 14.1 PROBLEM NO.2-57-01 PZR RELIEF VLV SYSTEM
				SWAY STRUT to Other				
C03.020.057	2-SGA-WG87-WX Rigid restraint	OM-201-1054 OFD-121B-2.3	NDE-25	MT	CS	0.000 1.000		SGA FDW. HDR. S/R ATTACH. W-X QUAD. NEAR W-AXIS
C03.020.069	2-SGB-WG87-YX Rigid restraint	OM-201-1054 OFD-121B-2.3	NDE-25	MT	CS	0.000 1.000		SGB FDW. HDR. S/R ATTACH. Y-X QUAD. NEAR Y-AXIS

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

DUKE POWER COMPANY  
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Piping

ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
C03.020.072	2-SGB-WG87-ZY	OM-201-1054	NDE-25	MT	CS	0.000		SGB FDW. HDR. S/R ATTACH.
	Rigid restraint	OFD-121B-2.3				1.000		Z-Y QUAD. NEAR Z-AXIS

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Total C03.020 Items: 11

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Total Category C-C Items: 13

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

DUKE POWER COMPANY  
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**Inservice Inspection Plan for Interval 3 Outage 6**

**Piping Welds > 1/5 In. Nom Wall For Piping ≥  
NPS 2 And ≤ NPS 4**

ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIATHK	CAL	BLOCKS	COMMENTS
<b>---- Circumferential Weld ----</b>									
C05.021.020	2-51A-17-111	2-51A-17 (1) OFD-101A-2.3	NDE-600	UT	SS	4.000	50438		TERMINAL END
	Circumferential Term end					0.237			Elbow to Flange
C05.021.020A	2-51A-17-81	2-51A-17 (1) OFD-101A-2.3	NDE-35	PT	SS	4.000			TERMINAL END
	Circumferential Term end					0.237			Elbow to Flange
C05.021.021	2-51A-17-124	2-51A-17 (2) OFD-101A-2.3	NDE-600	UT	SS	4.000	40406		
	Circumferential					0.531			Pipe to Valve (Valve 2HP-118)
C05.021.021A	2-51A-17-124	2-51A-17 (2) OFD-101A-2.3	NDE-35	PT	SS	4.000			
	Circumferential					0.531			Pipe to Valve (Valve 2HP-118)
C05.021.022	2-51A-17-92	2-51A-17 (2) OFD-101A-2.3	NDE-600	UT	SS	4.000	40406		
	Circumferential					0.531			Valve (Valve 2HP-115) to Tee
C05.021.022A	2-51A-17-92	2-51A-17 (2) OFD-101A-2.3	NDE-35	PT	SS	4.000			
	Circumferential					0.531			Valve (Valve 2HP-115) to Tee
C05.021.023	2-51A-17-125	2-51A-17 (3) OFD-101A-2.3	NDE-600	UT	SS	4.000	40406		
	Circumferential					0.531			Valve (Valve 2HP-118) to Elbow
C05.021.023A	2-51A-17-125	2-51A-17 (3) OFD-101A-2.3	NDE-35	PT	SS	4.000			
	Circumferential					0.531			Valve (Valve 2HP-118) to Elbow
C05.021.024	2-51A-17-136	2-51A-17 (3) OFD-101A-2.3	NDE-600	UT	SS	4.000	40406		
	Circumferential					0.531			Elbow to Pipe
C05.021.024A	2-51A-17-136	2-51A-17 (3) OFD-101A-2.3	NDE-35	PT	SS	4.000			
	Circumferential					0.531			Elbow to Pipe

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

DUKE POWER COMPANY  
QUALITY ASSURANCE TECHNICAL SERVICES  
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**Inservice Inspection Plan for Interval 3 Outage 6**

**Piping Welds > 1/5 In. Nom Wall For Piping ≥  
NPS 2 And ≤ NPS 4**

ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
C05.021.051	2-51A-17-20A Circumferential	2-51A-17 (1) OFD-101A-2.3	NDE-600	UT	SS	3.000 0.216	TBD	Pipe to Valve (Valve 2LP-56)
C05.021.051A	2-51A-17-20A Circumferential	2-51A-17 (1) OFD-101A-2.3	NDE-35	PT	SS	3.000 0.216		Pipe to Valve (Valve 2LP-56)
C05.021.052	2-51A-17-82 Circumferential Term end	2-51A-17 (2) OFD-101A-2.3	NDE-600	UT	SS	3.000 0.438	50225	TERMINAL END Elbow to Flange
C05.021.052A	2-51A-17-82 Circumferential Term end	2-51A-17 (2) OFD-101A-2.3	NDE-35	PT	SS	3.000 0.438		TERMINAL END Elbow to Flange
C05.021.053	2-51A-17-85 Circumferential	2-51A-17 (2) OFD-101A-2.3	NDE-600	UT	SS	3.000 0.438	50225	Valve (Valve 2HP-106) to Valve (Valve 2HP-105)
C05.021.053A	2-51A-17-85 Circumferential	2-51A-17 (2) OFD-101A-2.3	NDE-35	PT	SS	3.000 0.438		Valve (Valve 2HP-106) to Valve (Valve 2HP-105)
C05.021.054	2-51A-17-102 Circumferential	2-51A-17 (4) OFD-101A-2.3	NDE-600	UT	SS	3.000 0.438	50225	Tee to Pipe
C05.021.054A	2-51A-17-102 Circumferential	2-51A-17 (4) OFD-101A-2.3	NDE-35	PT	SS	3.000 0.438		Tee to Pipe
C05.021.055	2-51A-17-103 Circumferential Term end	2-51A-17 (4) OFD-101A-2.3	NDE-600	UT	SS	3.000 0.438	50225	TERMINAL END Pipe to Flange
C05.021.055A	2-51A-17-103 Circumferential Term end	2-51A-17 (4) OFD-101A-2.3	NDE-35	PT	SS	3.000 0.438		TERMINAL END Pipe to Flange

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

**Piping Welds > 1/5 In. Nom Wall For Piping ≥  
NPS 2 And ≤ NPS 4**

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ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIATHK	CAL BLOCKS	COMMENTS
C05.021.056	2-51A-17-163	2-51A-17 (6) OFD-101A-2.3	NDE-600	UT	SS	3.000 0.438	50225	Elbow to Valve (Valve 2HP-114)
C05.021.056A	2-51A-17-163	2-51A-17 (6) OFD-101A-2.3	NDE-35	PT	SS	3.000 0.438		Elbow to Valve (Valve 2HP-114)
C05.021.057	2-51A-17-167	2-51A-17 (6) OFD-101A-2.3	NDE-600	UT	SS	3.000 0.438	50225	TERMINAL END Elbow to Flange
C05.021.057A	2-51A-17-167	2-51A-17 (6) OFD-101A-2.3	NDE-35	PT	SS	3.000 0.438		TERMINAL END Elbow to Flange
C05.021.058	2-51A-31-50	2-51A-31 OFD-101A-2.1	NDE-600	UT	SS	3.000 0.438	50225	Pipe to Valve (Valve 2HP-20)
C05.021.058A	2-51A-31-50	2-51A-31 OFD-101A-2.1	NDE-35	PT	SS	3.000 0.438		Pipe to Valve (Valve 2HP-20)
<b>Total C05.021 Items:</b>		<b>26</b>						

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

**Piping Welds  $\geq$  3/8 In. Nominal Wall Thickness for  
Piping  $>$  NPS 4**

DUKE POWER COMPANY  
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ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
**** Circumferential Weld ****								
C05.051.003	2-MS8A-B Circumferential	2-01A-5(2)/2MS-8A OFD-122A-2.1	NDE-12	RT	CS	36.000 1.164		Pipe to Reducing Y Fitting
C05.051.003A	2-MS8A-B Circumferential	2-01A-5(2)/2MS-8A OFD-122A-2.1	NDE-25	MT	CS	36.000 1.164		Pipe to Reducing Y Fitting
C05.051.013	2-01A-4-43D Circumferential	2-01A-4 (2) OFD-122A-2.1	NDE-12	RT	CS	6.000 0.432		Elbow to Pipe
C05.051.013A	2-01A-4-43D Circumferential	2-01A-4 (2) OFD-122A-2.1	NDE-25	MT	CS	6.000 0.432		Elbow to Pipe
C05.051.039	2-14B-51-83 Circumferential	2-14B-51 OFD-124B-2.2	NDE-12	RT	CS	8.000 0.500		Tee to Pipe
C05.051.039A	2-14B-51-83 Circumferential	2-14B-51 OFD-124B-2.2	NDE-25	MT	CS	8.000 0.500		Tee to Pipe
C05.051.040	2-14B-51-86 Circumferential	2-14B-51 OFD-124B-2.2	NDE-12	RT	CS	6.000 0.432		Tee to Flange
C05.051.040A	2-14B-51-86 Circumferential	2-14B-51 OFD-124B-2.2	NDE-25	MT	CS	6.000 0.432		Tee to Flange
C05.051.041	2-14B-51-87 Circumferential	2-14B-51 OFD-124B-2.2	NDE-12	RT	CS	6.000 0.432		Flange to Pipe
C05.051.041A	2-14B-51-87 Circumferential	2-14B-51 OFD-124B-2.2	NDE-25	MT	CS	6.000 0.432		Flange to Pipe

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

DUKE POWER COMPANY  
QUALITY ASSURANCE TECHNICAL SERVICES  
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**Inservice Inspection Plan for Interval 3 Outage 6**

**Piping Welds  $\geq$  3/8 In. Nominal Wall Thickness for  
Piping  $>$  NPS 4**

ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
C05.051.051	2-20B-21-17-11	2-20B-21-17 OFD-116A-2.1	NDE-12	RT	CS	48.000 0.500		System 20B-21 Pipe to Valve (Valve 2-20B-21-1)
C05.051.051A	2-20B-21-17-11	2-20B-21-17 OFD-116A-2.1	NDE-25	MT	CS	48.000 0.500		Pipe to Valve (Valve 2-20B-21-2)
C05.051.052	2-20B-21-17-14	2-20B-21-17 OFD-116A-2.1	NDE-12	RT	CS	48.000 0.500		System 20B-21 Pipe to Valve (Valve 2-20B-21-6)
C05.051.052A	2-20B-21-17-14	2-20B-21-17 OFD-116A-2.1	NDE-25	MT	CS	48.000 0.500		Pipe to Valve (Valve 2-20B-21-6)

**Total C05.051 Items: 14**



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

DUKE POWER COMPANY  
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**Inservice Inspection Plan for Interval 3 Outage 6**

**Pipe Branch Connections of Branch Piping  $\geq$  NPS  
2**

ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIATHK	CAL	BLOCKS	COMMENTS
**** Circumferential Weld ****									
C05.081.002	2-MS12A-A	2-01A-5(1)/2MS-12A OFD-122A-2.1	NDE-25	MT	CS	8.000 0.906			For inspection in Outage 1; See Request for Relief ONS-010.
	Branch								Main Steam Header to Pipe
C05.081.003	2-MS15B-A	2-01A-5(3)/2MS-15B OFD-122A-2.1	NDE-25	MT	CS	8.000 0.906			For inspection in Outage 5; See Request for Relief ONS-010.
	Branch								Main Steam Header to Pipe
C05.081.005	2-14B-48-33	2-14B-48 OFD-124B-2.2	NDE-25	MT	CS	6.000 0.280			
	Branch								Pipe to Pipe

Total C05.081 Items: 3

Total Category C-F-2 Items: 43

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

**Integral Attachment**

**DUKE POWER COMPANY  
QUALITY ASSURANCE TECHNICAL SERVICES  
Inservice Inspection Database Management System  
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ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIATHK	CAL BLOCKS	COMMENTS
<b>**** Component Supports and Restraints ****</b>								
D02.020.008	2-01A-R26 Rigid restraint	1-0-1403C OFD-122A-2.4	QAL-14	VT-3	NA	6.000 0.500		FILE NO. OSC-445, PROBLEM NO. 2-01-6, SHT 2 OF 4.
D02.020.048	2-03A-H89 Rigid restraint	1-0-1400A OFD-121D-2.1	QAL-14	VT-3	NA	6.000 0.750		File Number = OSC-1213; Problem Number = 2-03A-12, Sht. 1 of 2; Aux Feedwater Discharge Sys.
D02.020.139	2-14B-SR53 Rigid restraint	0-1437A OFD-124B-2.1	QAL-14	VT-3	NA	20.000 0.187		FILE NO. OSC-475 PROBLEM NO. 2-14-6 SHT1OF3 LP SERVICE WATER
D02.020.140	2-14B-SR54 Rigid restraint	0-1439B OFD-124B-2.2	QAL-14	VT-3	NA	14.000 1.000		FILE NO. OSC-475 PROBLEM NO. 2-14-6 SHT 2OF3 LPSWATER
D02.020.141	2-14B-SR55 Rigid restraint	0-1439B OFD-124B-2.2	QAL-14	VT-3	NA	8.000 0.280		FILE NO. OSC-475 PROBLEM NO. 2-14-6 SHT 2OF3 LPSWATER
D02.020.142	2-14B-SR57A Rigid restraint	0-1439B OFD-124B-2.1	QAL-14	VT-3	NA	14.000 0.322		FILE NO. OSC-475 PROBLEM NO. 2-14-6 SHT1OF3 LP SERVICE WATER
D02.020.144	2-14B-SR61 Rigid restraint	0-1437A OFD-124B-2.1	QAL-14	VT-3	NA	20.000 0.500		FILE NO. OSC-475 PROBLEM NO. 2-14-6 SHT1OF3 LP SERVICE WATER
D02.020.145	0-14C-H7034 Rigid restraint	0-447A OFD-133A-2.5	QAL-14	VT-3	NA	10.000 1.000		FILE NO. OSC-1224-26 PROBLEM NO. 4-14-12 SHT.1OF5 AUX.SWP DISCHARGE
D02.020.146	0-14C-H7037 Rigid restraint	0-447A OFD-133A-2.5	QAL-14	VT-3	NA	6.000 1.000		FILE NO. OSC-1224-26 PROBLEM NO. 4-14-12 SHT.1OF5 AUX.SWP DISCHARGE
D02.020.147	0-14C-H7039 Rigid restraint	0-447A OFD-133A-2.5	QAL-14	VT-3	NA	6.000 1.000		FILE NO. OSC-1224-26 PROBLEM NO. 4-14-12 SHT.1OF5 AUX.SWP DISCHARGE

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

Integral Attachment

DUKE POWER COMPANY  
QUALITY ASSURANCE TECHNICAL SERVICES  
Inservice Inspection Database Management System  
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Inservice Inspection Plan for Interval 3 Outage 6

ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIATHK CAL BLOCKS	COMMENTS
D02.020.148	0-14C-H7040 Rigid restraint	0-447A OFD-133A-2.5	QAL-14	VT-3	NA	6.000 1.000	FILE NO. OSC-1224-26 PROBLEM NO. 4-14-12 SHT.1OF5 AUX.SWP DISCHARGE
D02.020.149	2-57-H1 Rigid restraint	0-1479A OFD-107A-2.1	QAL-14	VT-3	NA	12.000 2.000	FILE NO. OSC-1332-06, PROBLEM NO. 2-57-01, PG 14.1.

Total D02.020 Items: 12

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

Integral Attachment

DUKE POWER COMPANY  
QUALITY ASSURANCE TECHNICAL SERVICES  
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ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
**** Mechanical and Hydraulic Snubbers ****								
D02.030.004	2-03A-H1B Hyd snubber	0-1480A OFD-121D-2.1	QAL-14	VT-3	NA	6.000 0.237		File Number = OSC-1224-17, Page 49; Problem Number 2-03A-13; Aux Service Water Piping
Total D02.030 Items:		1						

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

**DUKE POWER COMPANY  
QUALITY ASSURANCE TECHNICAL SERVICES  
Inservice Inspection Database Management System  
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ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
<b>**** Spring Type Supports ****</b>								
D02.040.004	2-03-H58 Spring hanger	0-551 OFD-121B-2.3	QAL-14	VT-3	NA	24.000 0.322		FILE NO. OS-454, PROBLEM NO. 2-03-01, PG 44.
D02.040.006	2-03-H61 Spring hanger	0-1439A OFD-121B-2.3	QAL-14	VT-3	NA	24.000 0.500		FILE NO. OS-454, PROBLEM NO. 2-03-01, PG 44.
D02.040.011	2-03A-H31 Spring hanger	1-0-1439B OFD-121D-2.1	QAL-14	VT-3	NA	6.000 0.500		File Number = OSC-447, Page No. 110; Problem Number = 2-03A-05; EFW to Main Feedwater Line J
D02.040.014	2-03A-H51 Spring hanger	1-0-1401B OFD-121D-2.1	QAL-14	VT-3	NA	6.000 0.500		File Number = OSC-449; Problem Number = 2-03A-08, Sht. 4 of 6; Emergency Feedwater Bypass Line
D02.040.016	2-08-H1 Spring hanger	1-0-1400A OFD-122A-2.4	QAL-14	VT-3	NA	10.000 0.237		FILE NO. OSC-1807, PROBLEM NO. 2-08-1, PG 35. EFWP TURBINE EXHAUST.
D02.040.017	2-13-H8 Spring hanger	7-0-1400B OFD-133A-2.2	QAL-14	VT-3	NA	12.000 0.500		File Number = OS-471; Problem Number = 13-7, Sht. 1 of 1; Emergency Cooling Water Discharge
D02.040.019	2-14B-H29 Spring hanger	0-1436A OFD-124B-2.1	QAL-14	VT-3	NA	16.000 0.258		FILE NO. OSC-475 PROBLEM NO. 2-14-6 SHT1OF3 LP SERVICE WATER
<b>Total D02.040 Items:</b>		<b>7</b>						
<b>Total Category D-B Items:</b>		<b>20</b>						

**CATEGORY D-C, Systems In Support Of  
P.HR From Spent Fuel Storage Pool**

**Integral Attachment**

DUKE POWER COMPANY  
 QUALITY ASSURANCE TECHNICAL SERVICES  
 Inservice Inspection Database Management System  
 Oconee Unit 2  
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ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
<b>---- Component Supports and Restraints ----</b>								
D03.020.002	2-56-SR30	0-437B	QAL-14	VT-3	NA	8.000		Calclaton No. OS-421
	Rigid restraint	OFD-104A-1.1				0.500		Page 96.1; Problem No.4-56-02 Spent Fuel Cooling System 56
D03.020.004	2-56-SR7	0-437B	QAL-14	VT-3	NA	8.000		Calclaton No. OS-421
	Rigid restraint	OFD-104A-1.1				0.750		Page 96.1; Problem No.4-56-02 Spent Fuel Cooling System 56
<b>Total D03.020 Items:</b>								<b>2</b>
<b>Total Category D-C Items:</b>								<b>2</b>

CATEGORY F-A, Supports (Category A)

DUKE POWER COMPANY  
 QUALITY ASSURANCE TECHNICAL SERVICES  
 Inservice Inspection Database Management System  
 Oconee Unit 2  
 Inservice Inspection Plan for Interval 3 Outage 6

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

ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIATHK	CAL BLOCKS	COMMENTS	
F01.010.003	2-51A-H5B Rigid restraint	0-1479A OFD-101A-2.4	QAL-14	VT-3	NA	2.500 0.500		FILE NO. OSC-1323 PROBLEM NO.2-51-24 HPI SYSTEM WEST COOLANT LOOP SOUTH LEG	
F01.010.007	2-59-H28 Rigid restraint	0-1478A OFD-100A-2.1	QAL-14	VT-3	NA	1.500 0.000		File No. OSC-1660-06 Problem No.2-51-12 Sht.3of4 R.C. Piping to Letdown Coolers	
<u>Total F01.010 Items:</u>		<u>2</u>							
F01.011.007	2-59-H6406 Rigid restraint	0-1478D OFD-100A-2.1	QAL-14	VT-3	NA	1.500 0.000		File No. OSC-1330-06 Problem No.2-59-03 Sht.1of 1 R.B. Component Drains	
<u>Total F01.011 Items:</u>		<u>1</u>							
F01.012.006	2-53-H3 Hyd snubber	0-1478A OFD-102A-2.1	QAL-14	VT-3	NA	12.000 0.280		FILE NO. OSC-1320-06, PROBLEM NO. 2-53-10, PAGE 83. DECAY HEAT REMOVAL SYSTEM.	
<u>Total F01.012 Items:</u>		<u>1</u>							

**CATEGORY F-A, Supports (Category A)**

DUKE POWER COMPANY  
 QUALITY ASSURANCE TECHNICAL SERVICES  
 Inservice Inspection Database Management System  
 Oconee Unit 2  
 Inservice Inspection Plan for Interval 3 Outage 6

**Class 2 Weld Connections to Building Structure**

ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
F01.020.003	2-01A-H4B Rigid restraint	0-1481A OFD-122A-2.1	QAL-14	VT-3	NA	26.000 0.500		FILE NO. OSC-440 PROBLEM NO. 2-01-01 PAGE 40 MAIN STEAM PIPING
F01.020.011	2-51A-DE002 Rigid restraint	6-0-435B OFD-101A-2.3	QAL-14	VT-3	NA	6.000 0.000		File Number = OSC-481,Page 143; Problem Number = 51-2  Sway Strut to Other
F01.020.017	2-51A-H18 Rigid restraint	2-0-1439C OFD-101A-2.4	QAL-14	VT-3	NA	4.000 0.000		FILE NO. OSC-1023 PROBLEM NO.2-51-18 PAGE 51.1 HPI SYSTEM CROSSOVER LINE  SWAY STRUT to Other
F01.020.030	2-53B-H34 Rigid restraint	5-0-1439C OFD-102A-2.2	QAL-14	VT-3	NA	10.000 0.000		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".
F01.020.033	2-53B-R13 Rigid restraint	5-0-1444 OFD-102A-2.2	QAL-14	VT-3	NA	10.000 0.000		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".
F01.020.043	2-57-H6 Rigid restraint	0-1481A OFD-100A-2.2	QAL-14	VT-3	NA	8.000 0.000		FILE NO. OSC-1332-06 PAGE 14.1 PROBLEM NO.2-57-01 PZR RELIEF VLV SYSTEM  SWAY STRUT to Other
<b>Total F01.020 Items:</b>		<b>6</b>						
F01.021.002	2-03A-DE037 Rigid restraint	1-0-1439A OFD-121D-2.1	QAL-14	VT-3	NA	6.000 0.000		File Number = OSC-447, Page No. 107; Problem Number = 2-03A-05;
F01.021.006	2-14B-DE195 Rigid restraint	0-1479A OFD-124B-2.2	QAL-14	VT-3	NA	8.000 0.000		FILE NO. OSC-474 PROBLEM NO. 4-14-04 Sht 3 of 3
F01.021.013	2-51-DE104 Rigid restraint	2-0-436E OFD-101A-2.3	QAL-14	VT-3	NA	6.000 0.750		File Number = OSC-481,Page 143; Problem Number = 51-2



**CATEGORY F-A, Supports (Category B)**

DUKE POWER COMPANY  
 QUALITY ASSURANCE TECHNICAL SERVICES  
 Inservice Inspection Database Management System  
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**Class 2 Weld Connections to Building Structure**

ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS	
F01.021.019	2-51A-SR52 Rigid restraint	1-0-435B OFD-101A-2.3	QAL-14	VT-3	NA	4.000 0.000		File Number = OSC-1023 Page 49.1; Problem Number = 2-51-18	
F01.021.023	2-53B-H58A Rigid restraint	5-0-1439B OFD-102A-2.2	QAL-14	VT-3	NA	10.000 0.594		FILE NO. OS-487, PROBLEM NO. 2-53-01, SHT 3 OF 5. L. P. INJECTION & DECAY HEAT REMOVAL SYSTEM 53B.	
<b>Total F01.021 Items:</b>		<b>5</b>							
F01.022.005	2-01A-H6B Constant support	0-1481A OFD-122A-2.1	QAL-14	VT-3	NA	26.000 0.000		FILE NO. OSC-440 PROBLEM NO. 2-01-01 PAGE 40 MAIN STEAM PIPING	
F01.022.011	2-51A-H17 Spring hanger	2-0-1439C OFD-101A-2.4	QAL-14	VT-3	NA	4.000 0.000		FILE NO. OSC-1023 PROBLEM NO.2-51-18 PAGE 51.1 HPI SYSTEM CROSSOVER LINE	
F01.022.013	2-53B-DE057 Mech snubber	5-0-435B OFD-102A-2.2	QAL-14	VT-3	NA	10.000 0.000		FILE NO. OS-487, PROBLEM NO. 2-53-01, SHT 3 OF 5. L. P. INJECTION & DECAY HEAT REMOVAL SYSTEM 53B.	
F01.022.021	2-56-H16 Spring hanger	2-0-438C OFD-104A-1.1	QAL-14	VT-3	NA	8.000 0.000		Calclaton No. OS-421 Page 97; Problem No.4-56-02 Spent Fuel Cooling System 56	
<b>Total F01.022 Items:</b>		<b>4</b>							

**CATEGORY F-A, Supports (Category A)**

DUKE POWER COMPANY  
 QUALITY ASSURANCE TECHNICAL SERVICES  
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**Class 3 Weld/Mech Conns at Inter Joints in  
 Multiconn Int & Nonint Supp**

ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
F01.030.003	2-01A-DE017 Rigid restraint	0-1403D OFD-122A-2.4	QAL-14	VT-3	NA	6.000 0.000		FILE NO. OSC-445, PROBLEM NO. 2-01-6, SHT 1 OF 4, STEAM SUPPLY TO EFWP.  SWAY STRUT to Other
F01.030.007	2-03A-DE019 Rigid restraint	0-1401B OFD-121D-2.1	QAL-14	VT-3	NA	6.000 0.000		File Number = OSC-447, Page No. 111; Problem Number = 2-03A-05; EFW to Main Feedwater Line
F01.030.013	2-03A-H13 Rigid restraint	1-0-1439B OFD-121D-2.1	QAL-14	VT-3	NA	6.000 0.000		File Number = OSC-459; Problem Number = 2-03a-06, Sht 3 of 4; Emergency Feedwater Sys
F01.030.016	2-03A-H41 Rigid restraint	1-0-1400B OFD-121D-2.1	QAL-14	VT-3	NA	6.000 0.000		File Number = OSC-449; Problem Number = 2-03A-08, Sht. 4 of 6; Emergency Feedwater Bypass Line
F01.030.025	2-07A-H66 Rigid restraint	6-0-1400A OFD-121A-2.8	QAL-14	VT-3	NA	20.000 0.000		FILE NO. OSC-467, PROBLEM NO. 2-07-1 SHTS. 1 OF 6, 2 OF 6, & 3 OF 6. CONDENSATE SYSTEM.
F01.030.028	2-08-H5 Rigid restraint	0-1400A OFD-122A-2.4	QAL-14	VT-3	NA	10.000 0.000		FILE NO. OSC-1807, PROBLEM NO. 2-08-1, PG 35. EFWP TURBINE EXHAUST.
F01.030.035	2-14B-SR51 Rigid restraint	0-1437A OFD-124B-2.1	QAL-14	VT-3	NA	20.000 0.000		FILE NO. OSC-475 PROBLEM NO. 2-14-6 SHT3OF3 LP SERVICE WATER
<b>Total F01.030 Items:</b>		<b>7</b>						
F01.031.004	2-01A-R26 Rigid restraint	1-0-1403C OFD-122A-2.4	QAL-14	VT-3	NA	6.000 0.500		FILE NO. OSC-445, PROBLEM NO. 2-01-6, SHT 2 OF 4.
F01.031.008	2-03A-H89 Rigid restraint	1-0-1400A OFD-121D-2.1	QAL-14	VT-3	NA	6.000 0.750		File Number = OSC-1213; Problem Number = 2-03A-12, Sht. 1 of 2; Aux Feedwater Discharge Sys.

**CATEGORY F-A, Supports (Category B)**

DUKE POWER COMPANY  
 QUALITY ASSURANCE TECHNICAL SERVICES  
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**Inservice Inspection Plan for Interval 3 Outage 6**

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

ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS	
F01.031.015	2-03A-SR7 Rigid restraint	1-0-1401B OFD-121D-2.1	QAL-14	VT-3	NA	6.000 0.000		File Number = OSC-447, Page No. 112; Problem Number = 2-03A-05; EFW to Main Feedwater Line	
F01.031.017	2-08-H11 Rigid restraint	0-1401B OFD-122A-2.4	QAL-14	VT-3	NA	10.000 0.000		FILE NO. OSC-1807, PROBLEM NO. 2-08-1, PG 36. EFWP TURBINE EXHAUST.	
<b>Total F01.031 Items:</b>		<b>4</b>							
F01.032.005	2-03A-SR101PO Hyd snubber	1-0-1401B CFD-121D-2.1	QAL-14	VT-3	NA	6.000 0.000		File Number = OSC-449; Problem Number = 2-03A-08, Sht. 4 of 6; Emergency Feedwater Bypass Line	
F01.032.007	2-08-H1 Spring hanger	1-0-1400A OFD-122A-2.4	QAL-14	VT-3	NA	10.000 0.237		FILE NO. OSC-1807, PROBLEM NO. 2-08-1, PG 35. EFWP TURBINE EXHAUST.	
<b>Total F01.032 Items:</b>		<b>2</b>							

**CATEGORY F-A, Supports**

DUKE POWER COMPANY  
 QUALITY ASSURANCE TECHNICAL SERVICES  
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Clearances of Guides & Stops, Align of Supps,  
 Assembly of Supp Items

ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
F01.040.002	2-SGB-SKIRT	ISI-OCN2-004 OM-1201-450	QAL-14	VT-3	CS	135.000 0.000		Steam Generator 2B Support Skirt, Class A  Ring to Lower Head
F01.040.017	2-RBS-PU-B	OM-1201-1121 OFD-103A-3.1	QAL-14	VT-3	NA	0.000 0.000		Reactor Building Spray Pump "B" Support Legs & Pad, Class B
F01.040.019	2-SF-PUMP-C	OM-201-1704 OFD-104A-1.1	QAL-14	VT-3	NA	0.000 0.000		Spent Fuel Pump "C" Support Legs & Pad, Class C

Total F01.040 Items: 3

Total Category F-A Items: 35

**CATEGORY AUG, Augmented Inspections**

DUKE POWER COMPANY  
 QUALITY ASSURANCE TECHNICAL SERVICES  
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**Reactor Coolant Pump Flywheel**

ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
G01.001.001	2-RCP-2A1	OM-201D-038 OFD-100A-2.1	NDE-900	UT	CS	72.000 9.500	N/A	Reference Section 7 Paragraph 7.1.1 of the ISI Plan - Volume 1. RCP 2A1 Flywheel to Other
G01.001.001A	2-RCP-2A1	OM-201D-038 OFD-100A-2.1	NDE-25	MT	CS	72.000 9.500		Reference Section 7 Paragraph 7.1.1 of the ISI Plan - Volume 1. RCP 2A1 Flywheel to Other
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. RCP 2A2 Flywheel to Other
G01.001.002A	2-RCP-2A2	OM-201D-038 OFD-100A-2.1	NDE-25	MT	CS	72.000 9.500		Reference Section 7 Paragraph 7.1.1 of the ISI Plan - Volume 1. RCP 2A2 Flywheel to Other
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. RCP 2B1 Flywheel to Other
G01.001.003A	2-RCP-2B1	OM-201D-038 OFD-100A-2.1	NDE-25	MT	CS	72.000 9.500		Reference Section 7 Paragraph 7.1.1 of the ISI Plan - Volume 1. RCP 2B1 Flywheel to Other
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. RCP 2B2 Flywheel to Other
G01.001.004A	2-RCP-2B2	OM-201D-038 OFD-100A-2.1	NDE-25	MT	CS	72.000 9.500		Reference Section 7 Paragraph 7.1.1 of the ISI Plan - Volume 1. RCP 2B2 Flywheel to Other

**Total G01.001 Items: 8**

**Total Category AUG Items: 8**

**CATEGORY AUG, Augmented Inspections**

DUKE POWER COMPANY  
 QUALITY ASSURANCE TECHNICAL SERVICES  
 Inservice Inspection Database Management System  
 Oconee Unit 2

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**High Pressure Injection Nozzle Safe End**

**Inservice Inspection Plan for Interval 3 Outage 6**

ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
G02.001.001	2-PDA1-47	ISI-OCN2-011 B&W146629E OFD-100A-2.1	NDE-610	UT	SS	3.500 0.750	TBD	A1 Discharge Make-Up Nozzle Safe-End Pc. 47. Reference Section 7 Paragraph 7.1.2 of the ISI Plan - Volume 1.
G02.001.001A	2-PDA1-47	ISI-OCN2-011 B&W146629E OFD-100A-2.1	NDE-12	RT	SS	3.500 0.750		A1 Discharge Make-Up Nozzle Safe-End Pc. 47. Reference Section 7 Paragraph 7.1.2 of the ISI Plan - Volume 1.
G02.001.002	2-PDA2-47	ISI-OCN2-012 B&W146629E OFD-100A-2.1	NDE-610	UT	SS	3.500 0.750	TBD	A2 Discharge Make-Up Nozzle Safe-End Pc. 47. Reference Section 7 Paragraph 7.1.2 of the ISI Plan - Volume 1.
G02.001.002A	2-PDA2-47	ISI-OCN2-012 B&W146629E OFD-100A-2.1	NDE-12	RT	SS	3.500 0.750		A2 Discharge Make-Up Nozzle Safe-End Pc. 47. Reference Section 7 Paragraph 7.1.2 of the ISI Plan - Volume 1.
G02.001.003	2-PDB1-47	ISI-OCN2-013 B&W146629E OFD-100A-2.1	NDE-12	RT	SS	3.500 0.750		B1 Discharge HPI Nozzle Safe-End Pc. 47. Reference Section 7 Paragraph 7.1.2 of the ISI Plan - Volume 1.
G02.001.004	2-PDB2-47	ISI-OCN2-014 B&W146629E OFD-100A-2.1	NDE-610	UT	SS	3.500 0.750	TBD	B2 Discharge HPI Nozzle Safe-End Pc. 47. Reference Section 7 Paragraph 7.1.2 of the ISI Plan - Volume 1.
G02.001.004A	2-PDB2-47	ISI-OCN2-014 B&W146629E OFD-100A-2.1	NDE-12	RT	SS	3.500 0.750		B2 Discharge HPI Nozzle Safe-End Pc. 47. Reference Section 7 Paragraph 7.1.2 of the ISI Plan - Volume 1.

**Total G02.001 Items: 7**

**Total Category AUG Items: 7**

**CATEGORY AUG, Augmented Inspections**

DUKE POWER COMPANY  
QUALITY ASSURANCE TECHNICAL SERVICES  
Inservice Inspection Database Management System

Oconee Unit 2

Inservice Inspection Plan for Interval 3 Outage 6

Plan Report

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

ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
G07.001.003	2-56-13-38L Longitudinal	2-56-13 OFD-104A-1.2	NDE-35	PT	SS	8.000 0.148		Non-Legitimate Weld in Inspect. Category C-F-1. Long seam Weld for 2-56-13-38. Ref. Sect. 7 Para. 7.1.7 of ISI Plan, Vol. 1.

Total G07.001 Items: 1

Total Category AUG Items: 1

**CATEGORY AUG, Augmented Inspections**

DUKE POWER COMPANY  
 QUALITY ASSURANCE TECHNICAL SERVICES  
 Inservice Inspection Database Management System  
 Oconee Unit 2

Plan Report  
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 05/11/1994

**Inservice Inspection Plan for Interval 3 Outage 6**

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

ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
G09.001.007	2-53B-17-120 Circumferential	2-53B-17(4) OFD-102A-2.2	NDE-35	PT	SS	14.000 0.250		Non-Legitimate Weld in Inspection Category C-F-1. Reference Section 7, Paragraph 7.1.9 in ISI Plan - Volume 1.  Pipe to Tee
G09.001.016	2-53B-26-68 Circumferential	2-53B-26(1) OFD-102A-2.2	NDE-35	PT	SS	8.000 0.250		Non-Legitimate Weld in Inspection Category C-F-1. Reference Section 7, Paragraph 7.1.9 in ISI Plan - Volume 1.  Pipe to Valve (2LP-40)
G09.001.020	2-53B-27-46 Circumferential	2-53B-27(1) OFD-102A-2.2	NDE-35	PT	SS	10.000 0.250		Non-Legitimate Weld in Inspection Category C-F-1. Reference Section 7, Paragraph 7.1.9 in ISI Plan - Volume 1.  Pipe to Elbow
G09.001.021	2-53B-27-50 Circumferential	2-53B-27(1) OFD-102A-2.2	NDE-35	PT	SS	10.000 0.250		Non-Legitimate Weld in Inspection Category C-F-1. Reference Section 7, Paragraph 7.1.9 in ISI Plan - Volume 1.  Pipe to Elbow
G09.001.022	2-53B-28-27 Circumferential	2-53B-28(1) OFD-102A-2.2	NDE-35	PT	SS	3.000 0.250		Non-Legitimate Weld in Inspection Category C-F-1. Reference Section 7, Paragraph 7.1.9 in ISI Plan - Volume 1.  Pipe to Valve (2LP-75)
G09.001.042	2-56-13-57 Circumferential	2-56-13 OFD-104A-1.1	NDE-35	PT	SS	8.000 0.148		Non-Legitimate Weld in Inspection Category C-F-1. Reference Section 7, Paragraph 7.1.9 in ISI Plan - Volume 1.  Elbow to Pipe

**Total G09.001 Items: 6**

**Total Category AUG Items: 6**



CATEGORY AUG, Augmented Inspections

DUKE POWER COMPANY  
QUALITY ASSURANCE TECHNICAL SERVICES  
Inservice Inspection Database Management System  
Oconee Unit 2  
Inservice Inspection Plan for Interval 3 Outage 6

Plan Report  
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05/11/1994

Class 1 RTE Mounting Bosses

ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
G10.001.008	2-PIA2-12 Circumferential	ISI-OCN2-008 OM-1201-1521	NDE-35	PT	CS/Inconel	8.750 2.250		Reference Section 7, Paragraph 7.1.10 in ISI Plan - Volume 1. The diameter of hole that penetrates the Nozzle (RTE Mount. Boss Pc. 58) to Pipe ( Pc.56) nozzle into RCP 2A2 Suction Piping = .613.
Total G10.001 Items:		1						
Total Category AUG Items:		1						

Duke Power Company  
Quality Assurance Technical Services

Inservice Inspection Plan For:

Oconee Unit 2

Interval 3

ISI Outage 6

Refueling Outage EOC 20

**Pressure Test Listing**

Revision 0

OCONEE UNIT NUMBER 2  
CLASS A (CATEGORY B-P) REQUIREMENTS  
FOR OUTAGE NUMBER 20

<u>ITEM NO.</u>	<u>DRAWING</u>	<u>REV</u>	<u>TEST</u>	<u>COMP</u>	<u>COMP NAME</u>	<u>REQ. INSP</u>	<u>REQ. PROC</u>	<u>COMMENTS</u>
B15.050.001	SEE COMMENTS	N/A	LEAK	VARIOUS	RC SYSTEM	VT-2	QAL-15	Drawings that make up the Class A Leakage Boundary: OFDL-100A-2.1, OFDL-100A-2.2, OFDL-100A-2.3, OFDL-101A-2.1, OFDL-101A-2.4, OFDL-101A-2.5, OFDL-102A-2.1, OFDL-102A-2.2, OFDL-102A-2.3, OFDL-110A-2.1, OFDL-110A-2.4, OFDL-127B-2.2

OCONEE UNIT NUMBER 2  
CLASS B (CATEGORY C-H) REQUIREMENTS  
FOR OUTAGE NUMBER 20

ITEM NO.	DRAWING	REV	TEST	COMP	COMP NAME	REQ. INSP	REQ. PROC	COMMENTS
C07.030.002	OFDL-101A-2.2	00	INSER	VARIOUS	HPI SYSTEM	VT-2	QAL-15	
C07.030.003	OFDL-101A-2.3	00	INSER	VARIOUS	HPI SYSTEM	VT-2	QAL-15	
C07.030.006	OFDL-102A-2.1	00	INS/FUN	VARIOUS	LPI SYSTEM	VT-2	QAL-15	Penetrations 36, 37 and 62
C07.030.008	OFDL-104A-1.2	02	INSER	VARIOUS	SF SYSTEM	VT-2	QAL-15	
C07.030.009	OFDL-102A-2.2	00	INS/FUN	VARIOUS	LPI SYSTEM	VT-2	QAL-15	Penetrations 15 and 16
C07.040.001	OFDH-101A-2.1	00	HYDRO	VARIOUS	HPI SYSTEM	VT-2	QAL-15	Penetrations 6 and 7
C07.040.002	OFDH-101A-2.2	00	HYDRO	VARIOUS	HPI SYSTEM	VT-2	QAL-15	
C07.040.003	OFDH-101A-2.3	00	HYDRO	VARIOUS	HPI SYSTEM	VT-2	QAL-15	
C07.040.004	OFDH-101A-2.4	00	HYDRO	VARIOUS	HPI SYSTEM	VT-2	QAL-15	Penetrations 8, 9, 10, 23 and 52
C07.040.005	OFDH-101A-2.5	00	HYDRO	VARIOUS	HPI SYSTEM	VT-2	QAL-15	
C07.040.006	OFDH-102A-2.1	00	HYDRO	VARIOUS	LPI SYSTEM	VT-2	QAL-15	Penetrations 36, 37 and 62
C07.040.007	OFDH-104A-1.1	00	HYDRO	VARIOUS	SF SYSTEM	VT-2	QAL-15	
C07.040.009	OFDH-102A-2.2	00	HYDRO	VARIOUS	LPI SYSTEM	VT-2	QAL-15	Penetrations 15 and 16
C07.040.010	OFDH-102A-2.3	00	HYDRO	VARIOUS	LPI SYSTEM	VT-2	QAL-15	Penetrations 39 and 59
C07.040.011	OFDH-103A-2.1	00	HYDRO	VARIOUS	BS SYSTEM	VT-2	QAL-15	Penetrations 13 and 14
C07.040.012	OFDH-106E-2.1	00	HYDRO	VARIOUS	DW SYSTEM	VT-2	QAL-15	Penetrations 46 and 55
C07.040.013	OFDH-107A-2.1	00	HYDRO	VARIOUS	CS SYSTEM	VT-2	QAL-15	Penetrations 18 and 38
C07.040.014	OFDH-107A-2.2	00	HYDRO	VARIOUS	CS SYSTEM	VT-2	QAL-15	Penetration 29
C07.040.015	OFDH-107B-2.1	00	HYDRO	VARIOUS	LWD SYSTEM	VT-2	QAL-15	Penetration 5
C07.040.016	OFDH-107D-2.2	00	HYDRO	VARIOUS	LWD SYSTEM	VT-2	QAL-15	Penetration 40

OCONEE UNIT NUMBER 2  
CLASS B (CATEGORY C-H) REQUIREMENTS  
FOR OUTAGE NUMBER 20

ITEM NO.	DRAWING	REV	TEST	COMP	COMP NAME	REQ. INSP	REQ. PROC	COMMENTS
C07.040.017	OFDH-110A-2.1	00	HYDRO	VARIOUS	CA SYSTEM	VT-2	QAL-15	Penetrations 2 and 58
C07.040.018	OFDH-110A-2.3	00	HYDRO	VARIOUS	CA SYSTEM	VT-2	QAL-15	Penetrations 24 and 42
C07.040.019	OFDH-110A-2.4	00	HYDRO	VARIOUS	CA SYSTEM	VT-2	QAL-15	
C07.040.020	OFDH-116A-2.1	00	HYDRO	VARIOUS	PR SYSTEM	VT-2	QAL-15	Penetrations 19 and 20
C07.040.021	OFDH-116C-2.1	00	HYDRO	VARIOUS	PR SYSTEM	VT-2	QAL-15	Penetrations 60 and 61
C07.040.022	OFDH-121B-2.3	00	HYDRO	VARIOUS	FDW SYSTEM	VT-2	QAL-15	Penetrations 25 and 27
C07.040.023	OFDH-121B-2.5	00	HYDRO	VARIOUS	FDW SYSTEM	VT-2	QAL-15	Penetrations 4 and 43
C07.040.024	OFDH-121D-2.1	00	HYDRO	VARIOUS	EFW SYSTEM	VT-2	QAL-15	Penetrations 17 and 50
C07.040.025	OFDH-122A-2.1	00	HYDRO	VARIOUS	MS SYSTEM	VT-2	QAL-15	Penetrations 26 and 28
C07.040.026	OFDH-122A-2.2	00	HYDRO	VARIOUS	MS SYSTEM	VT-2	QAL-15	
C07.040.027	OFDH-122A-2.3	00	HYDRO	VARIOUS	MS SYSTEM	VT-2	QAL-15	
C07.040.028	OFDH-122A-2.4	00	HYDRO	VARIOUS	MS SYSTEM	VT-2	QAL-15	
C07.040.029	OFDH-122B-2.1	00	HYDRO	VARIOUS	MS SYSTEM	VT-2	QAL-15	
C07.040.030	OFDH-124B-2.2	00	HYDRO	VARIOUS	LPSW SYSTEM	VT-2	QAL-15	Penetrations 30, 31, 32, 33, 34 and 35
C07.040.031	OFDH-124B-2.4	00	HYDRO	VARIOUS	LPSW SYSTEM	VT-2	QAL-15	Penetrations 21 and 22
C07.040.032	OFDH-127B-2.2	00	HYDRO	VARIOUS	N SYSTEM	VT-2	QAL-15	Penetrations 39 and 53
C07.040.034	OFDH-137A-2.3	00	HYDRO	VARIOUS	BA SYSTEM	VT-2	QAL-15	Penetration 48
C07.040.035	OFDH-137B-1.2	01	HYDRO	VARIOUS	IA SYSTEM	VT-2	QAL-15	Penetration 41
C07.040.036	OFDH-137E-1.1	01	HYDRO	VARIOUS	LRT SYSTEM	VT-2	QAL-15	Penetrations 45 and 51
C07.040.037	OFDH-144A-2.2	00	HYDRO	VARIOUS	CC SYSTEM	VT-2	QAL-15	Penetrations 3 and 54

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03/22/94

OCONEE UNIT NUMBER 2  
CLASS B (CATEGORY C-H) REQUIREMENTS  
FOR OUTAGE NUMBER 20

<u>ITEM NO.</u>	<u>DRAWING</u>	<u>REV</u>	<u>TEST</u>	<u>COMP</u>	<u>COMP NAME</u>	<u>REQ. INSP</u>	<u>REQ. PROC</u>	<u>COMMENTS</u>
C07.040.038	OFDH-144A-2.3	00	HYDRO	VARIOUS	CC SYSTEM	VT-2	QAL-15	Penetration 44

OCONEE UNIT NUMBER 2  
CLASS C (CATEGORY D-A) REQUIREMENTS  
FOR OUTAGE NUMBER 20

ITEM NO.	DRAWING	REV	TEST	COMP	COMP NAME	REQ. INSP	REQ. PROC	COMMENTS
D01.012.001	OFDH-100A-2.3	00	HYDRO	VARIOUS	RC SYSTEM	VT-2	QAL-15	
D01.012.002	OFDH-101A-2.1	00	HYDRO	VARIOUS	HPI SYSTEM	VT-2	QAL-15	
D01.012.003	OFDH-101A-2.2	00	HYDRO	VARIOUS	HPI SYSTEM	VT-2	QAL-15	
D01.012.004	OFDH-101A-2.3	00	HYDRO	VARIOUS	HPI SYSTEM	VT-2	QAL-15	
D01.012.005	OFDH-101A-2.4	00	HYDRO	VARIOUS	HPI SYSTEM	VT-2	QAL-15	
D01.012.006	OFDH-101A-2.5	00	HYDRO	VARIOUS	HPI SYSTEM	VT-2	QAL-15	
D01.012.007	OFDH-102A-2.1	00	HYDRO	VARIOUS	LPI SYSTEM	VT-2	QAL-15	
D01.012.008	OFDH-109A-1.1	00	HYDRO	VARIOUS	HP SYSTEM	VT-2	QAL-15	
D01.012.009	OFDH-102A-2.2	00	HYDRO	VARIOUS	LPI SYSTEM	VT-2	QAL-15	
D01.012.010	OFDH-106A-2.2	00	HYDRO	VARIOUS	CT SYSTEM	VT-2	QAL-15	
D01.012.011	OFDH-110A-2.1	00	HYDRO	VARIOUS	CA SYSTEM	VT-2	QAL-15	
D01.012.012	OFDH-110A-2.4	00	HYDRO	VARIOUS	CA SYSTEM	VT-2	QAL-15	
D01.012.013	OFDH-144A-2.2	00	HYDRO	VARIOUS	CC SYSTEM	VT-2	QAL-15	

OCONEE UNIT NUMBER 2  
CLASS C (CATEGORY D-B) REQUIREMENTS  
FOR OUTAGE NUMBER 20

ITEM NO.	DRAWING	REV	TEST	COMP	COMP NAME	REQ. INSP	REQ. PROC	COMMENTS
D02.012.001	OFDH-110A-2.3	00	HYDRO	VARIOUS	CA SYSTEM	VT-2	QAL-15	
D02.012.002	OFDH-121A-1.8	02	HYDRO	VARIOUS	C SYSTEM	VT-2	QAL-15	
D02.012.003	OFDH-121A-2.3	00	HYDRO	VARIOUS	C SYSTEM	VT-2	QAL-15	
D02.012.004	OFDH-121A-2.7	00	HYDRO	VARIOUS	C SYSTEM	VT-2	QAL-15	
D02.012.005	OFDH-121A-2.8	00	HYDRO	VARIOUS	C SYSTEM	VT-2	QAL-15	
D02.012.006	OFDH-121B-2.3	00	HYDRO	VARIOUS	FDW SYSTEM	VT-2	QAL-15	
D02.012.007	OFDH-121B-2.5	00	HYDRO	VARIOUS	FDW SYSTEM	VT-2	QAL-15	
D02.012.008	OFDH-121D-1.1	00	HYDRO	VARIOUS	EFW SYSTEM	VT-2	QAL-15	
D02.012.009	OFDH-121D-2.1	00	HYDRO	VARIOUS	EFW SYSTEM	VT-2	QAL-15	
D02.012.010	OFDH-121D-3.1	00	HYDRO	VARIOUS	EFW SYSTEM	VT-2	QAL-15	
D02.012.011	OFDH-121D-1.2	01	HYDRO	VARIOUS	EFW SYSTEM	VT-2	QAL-15	
D02.012.012	OFDH-122A-2.4	00	HYDRO	VARIOUS	MS SYSTEM	VT-2	QAL-15	
D02.012.013	OFDH-124A-1.1	02	HYDRO	VARIOUS	LPSW SYSTEM	VT-2	QAL-15	
D02.012.014	OFDH-124A-2.3	00	HYDRO	VARIOUS	LPSW SYSTEM	VT-2	QAL-15	
D02.012.015	OFDH-124B-2.1	01	HYDRO	VARIOUS	LPSW SYSTEM	VT-2	QAL-15	
D02.012.016	OFDH-124B-2.2	00	HYDRO	VARIOUS	LPSW SYSTEM	VT-2	QAL-15	
D02.012.017	OFDH-124B-2.4	00	HYDRO	VARIOUS	LPSW SYSTEM	VT-2	QAL-15	
D02.012.018	OFDH-133A-2.1	01	HYDRO	VARIOUS	CCW SYSTEM	VT-2	QAL-15	Adequate flow test is acceptable in lieu of hydro test.
D02.012.019	OFDH-133A-2.2	01	HYDRO	VARIOUS	CCW SYSTEM	VT-2	QAL-15	Adequate flow test is acceptable in lieu of hydro test.
D02.012.020	OFDH-124C-2.2	00	HYDRO	VARIOUS	CCW SYSTEM	VT-2	QAL-15	



OCONEE UNIT NUMBER 2  
CLASS C (CATEGORY D-B) REQUIREMENTS  
FOR OUTAGE NUMBER 20

<u>ITEM NO.</u>	<u>DRAWING</u>	<u>REV</u>	<u>TEST</u>	<u>COMP</u>	<u>COMP NAME</u>	<u>REQ. INSP</u>	<u>REQ. PROC</u>	<u>COMMENTS</u>
D02.012.021	OFDH-133A-2.3	00	HYDRO	VARIOUS	CCW SYSTEM	VT-2	QAL-15	
D02.012.022	OFDH-133A-2.5	01	HYDRO	VARIOUS	CCW SYSTEM	VT-2	QAL-15	
D02.012.023	OFDH-135A-1.2	00	HYDRO	VARIOUS	FO SYSTEM	VT-2	QAL-15	This is a unit 1 system tested as a unit 2 component.
D02.012.025	OFDH-121B-3.3	00	HYDRO	VARIOUS	EFW SYSTEM	VT-2	QAL-15	

## APPENDIX B

### Oconee Unit 2 Inservice Inspection Reference Drawings

Revision 0

#### System Flow Diagrams - Unit 2

The following is a list of flow diagrams that identify the inspection boundaries for Oconee Unit 2 for the Third Inspection Interval.

<u>System</u>	<u>Drawing No.</u>	<u>Revision</u>	<u>Class 1</u>	<u>Class 2</u>
Reactor Coolant	OFD-100A-2.1	13	X	X
Reactor Coolant (Pressurizer)	OFD-100A-2.2	8	X	
High Pressure Injection (Letdown Section)	OFD-101A-2.1	17	X	X
High Pressure Injection (Storage Section)	OFD-101A-2.2	9		X
High Pressure Injection (Charging Section)	OFD-101A-2.3	6		X
High Pressure Injection (Charging Section)	OFD-101A-2.4	16	X	X
Low Pressure Injection System Borated Water Supply & LPI Pump Suction	OFD-102A-2.1	8	X	X
Low Pressure Injection Pump (Discharge)	OFD-102A-2.2	12	X	X
Low Pressure Injection (Core Flood)	OFD-102A-2.3	3	X	
Reactor Building Spray	OFD-103A-2.1	2		X
Spent Fuel Cooling	OFD-104A-1.1	14		X

<u>System</u>	<u>Drawing No.</u>	<u>Revision</u>	<u>Class 1</u>	<u>Class 2</u>
Spent Fuel Cooling (Purification Loop)	OFD-104A-1.2	5		X
Reactor Building Purge System	OFD-116A-2.1	2		X
Feedwater (Final Feedwater)	OFD-121B-2.3	11		X
Emergency Feedwater (Auxiliary Service Water)	OFD-121D-1.2	6		X
Emergency Feedwater	OFD-121D-2.1	11		X
Main Steam (Headers 2A & 2B)	OFD-122A-2.1	5		X
Main Steam (Turbine Bypass)	OFD-122A-2.2	6		X
Main Steam (Main FDW Pump Turbines 2A & 2B HP & LP Steam Supply & Exhaust)	OFD-122A-2.3	9		X
Main Steam (Emergency Feedwater Pump Turbine Steam Supply & Exhaust)	OFD-122A-2.4	10		X
HP & LP Turbine Exhaust & Steam Seal (HP Turbine Inlet, Steam Seal Header & Feedwater Pump Turbine Steam Seals)	OFD-122B-2.1	7		X
Low Pressure Service Water System (Reactor Building Cooling Units)	OFD-124B-2.2	7		X
Component Cooling (Reactor Building Heat Exchangers)	OFD-144A-2.2	8		X

The color code system on these drawings is shown below:

Red      Class 1 System, not exempt from inspection  
Yellow    Class 2 System, not exempt from inspection

## Weld Identification Drawings - Unit 2

The following weld identification drawings have been prepared for Oconee Unit 2:

<u>Drawing Number</u>	<u>Title</u>	<u>Revision</u>
ISI-OCN2-001	Reactor Vessel Weld Outline	0
ISI-OCN2-002	Pressurizer Weld Outline	2
ISI-OCN2-003	Steam Generator A Weld Outline	1
ISI-OCN2-004	Steam Generator B Weld Outline	1
ISI-OCN2-005	Steam Generator 2A Hot Leg to Reactor Vessel	1
ISI-OCN2-006	Steam Generator 2B Hot Leg to Reactor Vessel	3
ISI-OCN2-007	Pump 2A1 Suction Piping	0
ISI-OCN2-008	Pump 2A2 Suction Piping	0
ISI-OCN2-009	Pump 2B1 Suction Piping	0
ISI-OCN2-010	Pump 2B2 Suction Piping	0
ISI-OCN2-011	Pump 2A1 Discharge Piping	1
ISI-OCN2-012	Pump 2A2 Discharge Piping	2
ISI-OCN2-013	Pump 2B1 Discharge Piping	2
ISI-OCN2-014	Pump 2B2 Discharge Piping	0
ISI-OCN2-015	Pressurizer Spray Piping	1
ISI-OCN2-016	Pressurizer Spray Piping	0

THIRD INTERVAL  
INSERVICE INSPECTION PLAN  
OCONEE NUCLEAR STATION  
UNITS 1,2 & 3

Location: Highway 130/183 Seneca, South Carolina 29679

Commercial Service Date: July 15, 1973 (Unit 1)  
September 9, 1974 (Unit 2)  
December 16, 1974 (Unit 3)  
Third Interval Start Date: July 15, 1994 (Unit 1)  
December 16, 1994 (Unit 2)  
December 16, 1994 (Unit 3)

Owner: Duke Power Company  
526 South Church St.  
Mail Code EC07J  
Charlotte, N. C. 28201-1006

VOLUME 4

Revision 1

Prepared By: A.J. Hogge, Jr Date 5-12-94  
Reviewed By: Larry C. Keith Date 5-12-94  
Approved By: Bob Barlow Date 5/12/94  
ANII Review Ch. Kuland Date 5/26/94

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Controlled \_\_\_\_\_ Uncontrolled X

# Appendix A

## Oconee Unit 3 Inservice Inspection Examination Listing and Schedule

Revision 0

### Detailed Inspection Plan for Oconee Unit 3

The detailed inspection plans for Inservice Inspection of Oconee Unit 3 are maintained in this volume. Appendix A is the examination listing, Appendix B the reference drawings.

#### Third Inspection Interval

<u>Start Date</u>			<u>End Date</u>
12/16/1994	12/16/1997	12/16/2001	09/09/2004
<u>1ST Period</u>	<u>2ND Period</u>	<u>3RD Period</u>	
Outage 1 (RFO 15) Outage 2 (RFO 16)	Outage 3 (RFO 17) Outage 4 (RFO 18) Outage 5 (RFO 19)	Outage 6 (RFO 20) Outage 7 (RFO 21)	

Duke Power Company  
Quality Assurance Technical Services

Inservice Inspection Plan For:

Oconee Unit 3

Interval 3

ISI Outage 1

Refueling Outage EOC 15

**ISI Inspection Listing**

Revision 0

Run Date: May 11, 1994

**CATEGORY B-A, Pressure Retaining Welds  
in Reactor Vessel**

DUKE POWER COMPANY  
QUALITY ASSURANCE TECHNICAL SERVICES  
Inservice Inspection Database Management System  
Oconee Unit 3

Plan Report  
Page 1  
05/11/1994

**Inservice Inspection Plan for Interval 3 Outage 1**

**Head Welds**

ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
-------------	-----------	-----------------	------	----------	---------	---------	------------	----------

\*\*\*\* Circumferential \*\*\*\*

B01.021.001	3-RPV-WH5 Circumferential	ISI-OCN3-001 OM-2201-228	NDE-660	UT	CS	0.000 6.625	40387	Reactor Vessel Closure Head Ring Pc. 23 to Closure Head Cap Pc. 24. Head Ring to Closure Head Cap
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**Total B01.021 Items: 1**



**CATEGORY B-A, Pressure Retaining Welds  
in Reactor Vessel  
Shell-to-Flange Weld**

DUKE POWER COMPANY  
QUALITY ASSURANCE TECHNICAL SERVICES  
Inservice Inspection Database Management System  
Oconee Unit 3

**Inservice Inspection Plan for Interval 3 Outage 1**

ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
B01.030.001A	3-RPV-WR19 Circumferential	ISI-OCN3-001 OM-2201-227	NDE-650	UT	CS	167.630	50304 12.000	Reactor Vessel Upper Shell Forging Pc. 86 to Flange Pc. 7. 0-360 Degrees from Flange Surface (manual scan)

Shell Forging to Flange

Total B01.030 Items: 1

**CATEGORY B-A, Pressure Retaining Welds  
in Reactor Vessel**

DUKE POWER COMPANY  
QUALITY ASSURANCE TECHNICAL SERVICES  
Inservice Inspection Database Management System  
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**Head-to-Flange Weld**

ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
B01.040.001	3-RPV-WH7 Circumferential	ISI-OCN3-001 OM-2201-228	NDE-660	UT	CS	147.000 6.625	40387	Reactor Vessel Closure Head Ring Pc. 23 to Closure Head Flange Pc. 22. 0-360
B01.040.001A	3-RPV-WH7 Circumferential	ISI-OCN3-001 OM-2201-228	NDE-25	MT	CS	147.000 6.625		Reactor Vessel Closure Head Ring Pc. 23 to Closure Head Flange Pc.22. 0-360

Total B01.040 Items: 2

Total Category B-A Items: 4

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

DUKE POWER COMPANY  
 QUALITY ASSURANCE TECHNICAL SERVICES  
 Inservice Inspection Database Management System  
 Oconee Unit 3  
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Pressurizer

ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
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---- Shell-to-Head Welds; Circumferential ----

B02.011.001	3-PZR-WP76	ISI-OCN3-002	NDE-640	UT	CS	84.000	40394	Pressurizer Upper Head Pc. 5 to Upper Shell Course Pc.1.
	Circumferential	OM-2201-229	NDE-620				4.750	
				Head to Upper Shell				

Total B02.011 Items: 1

---- Shell-to-Head Welds; Longitudinal ----

B02.012.001	3-PZR-WP1-1	ISI-OCN3-002	NDE-640	UT	CS	0.000	40338	Pressurizer Upper Shell Course Pc. 1 to Upper Shell Course Pc. 1.
	Longitudinal	OM-2201-229	NDE-620				6.188	
				Shell to Shell				

Total B02.012 Items: 1

Total Category B-B Items: 2

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

**Reactor Vessel**

DUKE POWER COMPANY  
QUALITY ASSURANCE TECHNICAL SERVICES  
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ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIATHK	CAL BLOCKS	COMMENTS
<b>**** Nozzle-to-Vessel Welds ****</b>								
B03.090.001A	3-RPV-WR13 Circumferential	ISI-OCN3-001 OM-2201-227 B&W149907E	ISI-138	UT	CS	60.000	50304	Reactor Vessel X-Outlet Nozzle Pc. 19 to Upper Shell Pc. 86 & 87. UT from Nozzle ID. Note: For inspection in Outage 1, see Request for Relief ONS-006.
B03.090.002A	3-RPV-WR13A Circumferential	ISI-OCN3-001 OM-2201-227 B&W149907E	ISI-138	UT	CS	60.000	50304	Reactor Vessel Z-Outlet Nozzle Pc. 19 to 86 & 87. UT from Nozzle ID. For Inspection in Outage 1, see Request for Relief ONS-006

Total B03.090 Items: 2

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

DUKE POWER COMPANY  
QUALITY ASSURANCE TECHNICAL SERVICES  
Inservice Inspection Database Management System  
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ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
<b>.... Nozzle Inside Radius Section ....</b>								
B03.100.001	3-RPV-WR13 Circumferential	ISI-OCN3-001 OM-2201-227 B&W149907E	ISI-138	UT	CS	60.000 12.000	50304	Reactor Vessel X-Outlet Nozzle Pc. 19 to Pc. 86 & Pc. 87. UT from Nozzle ID. (Inside Radius Section) Note: For inspection in Outage 1, see Request for Relief ONS-006.
B03.100.002	3-RPV-WR13A Circumferential	ISI-OCN3-001 OM-2201-227 B&W149907E	ISI-138	UT	CS	60.000 12.000	50304	Reactor Vessel Z-Outlet Nozzle Pc. 19 to Pc. 86 & Pc. 87. UT from Nozzle ID. (Inside Radius Section) Note: For inspection in Outage 1, see Request for Relief ONS-006.

Total B03.100 Items: **2**

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

**Pressurizer**

DUKE POWER COMPANY  
 QUALITY ASSURANCE TECHNICAL SERVICES  
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ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
<b>.... Nozzle-to-Vessel Welds ....</b>								
B03.110.002	3-PZR-WP34	ISI-OCN3-002 OM-2201-229 B&W 149787E	NDE-620 NDE-640	UT	CS	7.750	40394 4.750	Pressurizer Spray Nozzle Pc. 9 to Upper Head Pc. 5. Nozzle to To Upper Head
B03.110.003	3-PZR-WP33-3	ISI-OCN3-002 OM-2201-229 B&W 149788E	NDE-620 NDE-640	UT	CS	6.875	40394 4.750	Pressurizer Relief Nozzle Pc. 31 to Upper Head Pc. 5 Between W&Z Axis. Nozzle to To Upper Head
B03.110.004	3-PZR-WP33-2	ISI-OCN3-002 OM-2201-229 B&W 149788E	NDE-620 NDE-640	UT	CS	6.875	40394 4.750	Pressurizer Relief Nozzle Pc. 31 to Upper Head Pc. 5 on Y-Axis. Nozzle to To Upper Head
B03.110.005	3-PZR-WP33-1	ISI-OCN3-002 OM-2201-229 B&W 149788E	NDE-620 NDE-640	UT	CS	6.875	40394 4.750	Pressurizer Relief Nozzle Pc. 31 to Upper Head Pc. 5 Between W&X Axis. Nozzle to To Upper Head
B03.110.013	3-PZR-WP112	ISI-OCN3-002 OM-2201-229 B 7W149786E	NDE-620 NDE-640	UT	CS	0.000	40394 4.750	Pzr Upper Head TO Upper Head Manway Forging Upper Head Manway Forging to Upper Head

**Total B03.110 Items: 5**

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

**Pressurizer**

DUKE POWER COMPANY  
QUALITY ASSURANCE TECHNICAL SERVICES  
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ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
<b>**** Nozzle Inside Radius Section ****</b>								
B03.120.002	3-PZR-WP34	ISI-OCN3-002 OM-2201-229 B 7W149787E	NDE-680	UT	CS	0.000 40394 4.750		Pressurizer Spray Nozzle Pc. 9. (Inside Radius Section). Nozzle to Upper Head
B03.120.003	3-PZR-WP33-3	ISI-OCN3-002 OM-2201-229 B 7W149788E	NDE-680	UT	CS	0.000 40394 4.750		Pressurizer Relief Nozzle Pc. 31. Between W & Z Axis. (Inside Radius Section). Nozzle to Upper Head
B03.120.004	3-PZR-WP33-2	ISI-OCN3-002 OM-2201-229 B 7W149788E	NDE-680	UT	CS	0.000 40394 4.750		Pressurizer Relief Nozzle Pc. 31. Y- Axis. (Inside Radius Section). Nozzle to Upper Head
B03.120.005	3-PZR-WP33-1	ISI-OCN3-002 OM-2201-229 B 7W149788E	NDE-680	UT	CS	0.000 40394 4.750		Pressurizer Relief Nozzle Pc. 31. W & X Axis (Inside Radius Section). Nozzle to Upper Head
B03.120.013	3-PZR-WP112	ISI-OCN3-002 OM-2201-229 B 7W149786E	NDE-620 NDE-640	UT	CS	0.000 40394 4.750		PZR Upper Head to Upper head Manway Forging; (Inside Radius Section) Upper Head Manway Forging to Upper Head
<b>Total B03.120 Items:</b>		<b>5</b>						

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

**Steam Generators (Primary Side)**

DUKE POWER COMPANY  
QUALITY ASSURANCE TECHNICAL SERVICES  
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ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
<b>.... Nozzle-to-Vessel Welds ....</b>								
B03.130.001	3-SGA-WG50-2	ISI-OCN3-003	NDE-620	UT	CS	38.380	40393	Steam Generator 3A Outlet Nozzle Pc. 65 to Lower Head Pc. 7 Between W-Z Axis.
	Circumferential	OM-2201-222 B&W109610E	NDE-640	Nozzle to Head		8.500		
B03.130.002	3-SGA-WG50-1	ISI-OCN3-003	NDE-620	UT	CS	38.380	40393	Steam Generator 3A Outlet Nozzle Pc. 65 to Lower Head Pc. 7 Between Y- Axis.
	Circumferential	OM-2201-222 B&W109610E	NDE-640	Nozzle to Head		8.500		
<b>Total B03.130 Items:</b>		<b>2</b>						



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

DUKE POWER COMPANY  
QUALITY ASSURANCE TECHNICAL SERVICES  
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**Inservice Inspection Plan for Interval 3 Outage 1**

**Steam Generators (Primary Side)**

ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIATHK	CAL BLOCKS	COMMENTS
<b>**** Nozzle Inside Radius Section ****</b>								
B03.140.001	3-SGA-WG50-2	ISI-OCN3-003 OM-2201-222 B&W109610E	NDE-680	UT	CS	38.380	40393 8.500	Steam Generator 3A Outlet Nozzle Pc. 65 Between W-Z Axis. (Inside Radius Section)
				Nozzle to Lower Head				
B03.140.002	3-SGA-WG50-1	ISI-OCN3-003 OM-2201-222 B&W109610E	NDE-680	UT	CS	38.380	40393 8.500	Steam Generator 3A Outlet Nozzle Pc. 65 Between Y-Z Axis. (Inside Radius Section)
				Nozzle to Lower Head				

Total B03.140 Items: 2

Total Category B-D Items: 18

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

**Reactor Vessel**

DUKE POWER COMPANY  
QUALITY ASSURANCE TECHNICAL SERVICES  
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**Inservice Inspection Plan for Interval 3 Outage 1**

ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DI/THK	CAL BLOCKS	COMMENTS
**** NPS 4 or larger; Nozzle-to-Safe End Butt Welds ****								
B05.010.001	3-RPV-WR53 Circumferential	ISI-OCN3-001 OM-2201-96 O-2479A	NDE-35	PT	SS/CS	15.630 1.688	Nozzle (Core Flood Noz) to Safe End	A Side Core Flood Nozzle SE; W-Axis; See Request for Relief ONS-001;( inspection scheduled for outage 1 is to meet second interval requirements)
B05.010.002	3-RPV-WR53A Circumferential	ISI-OCN3-001 OM-2201-96 O-2479A	NDE-35	PT	SS/CS	15.630 1.688	Nozzle (Core Flood Noz) to Safe End	B Side Core Flood Nozzle SE weld; Y-Axis; See Request for Relief ONS-001;( inspection scheduled for outage 1 is to meet second interval requirements)
<b>Total B05.010 Items:</b>		<b>2</b>						

**CATEGORY B-1, Pressure Retaining  
Dissimilar Metal Welds**  
Pressurizer

DUKE POWER COMPANY  
QUALITY ASSURANCE TECHNICAL SERVICES  
Inservice Inspection Database Management System  
Oconee Unit 3

**Inservice Inspection Plan for Interval 3 Outage 1**

ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIATHK	CAL BLOCKS	COMMENTS
<b>.... NPS 4 or Larger; Nozzle-to-Safe End Butt Welds ....</b>								
B05.040.001	3-PZR-WP23 Circumferential	ISI-OCN3-002	NDE-35	PT	SS/CS	10.900 1.063		Pressurizer Surge Nozzle to Safe -End weld at Pressurizer.
							Nozzle (PZR Surge Nozzle) to Safe End	
B05.040.001A	3-PZR-WP23 Circumferential	ISI-OCN3-002	NDE-610	UT	SS/CS	10.900 40414 1.063		Pressurizer Surge Nozzle to Safe -End weld at Pressurizer; UT from nozzle side
							Nozzle (PZR Surge Nozzle) to Safe End	
B05.040.001B	3-PZR-WP23 Circumferential	ISI-OCN3-002	NDE-610	UT	SS/CS	10.900 40354 1.063		Pressurizer Surge Nozzle to Safe -End weld at Pressurizer; UT from safe-end side.
							Nozzle (PZR Surge Nozzle) to Safe End	
B05.040.002	3-PZR-WP45 Circumferential	ISI-OCN3-002	NDE-35	PT	CS/Inconel	5.100 0.750		Pressurizer Spray Nozzle to Safe -End weld at Pressurizer.
							Nozzle (PZR Spray Nozzle) to Safe End	
B05.040.002A	3-PZR-WP45 Circumferential	ISI-OCN3-002	NDE-610	UT	CS/Inconel	5.100 TBD 0.750		Pressurizer Spray Nozzle to Safe -End weld at Pressurizer; UT from nozzle side.
							Nozzle (PZR Spray Nozzle) to Safe End	
B05.040.002B	3-PZR-WP45 Circumferential	ISI-OCN3-002	NDE-610	UT	CS/Inconel	5.100 TBD 0.750		Pressurizer Spray Nozzle to Safe -End weld at Pressurizer; UT from safe-end side.
							Nozzle (PZR Spray Nozzle) to Safe End	

Total B05.040 Items: 6

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

DUKE POWER COMPANY  
QUALITY ASSURANCE TECHNICAL SERVICES  
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**Inservice Inspection Plan for Interval 3 Outage 1**

ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
<b>.... NPS 4 or Larger; Dissimilar Metal Butt Welds ....</b>								
B05.130.004	3-PIA1-7	ISI-OCN3-007	NDE-610	UT	SS/CS	33.500	40350	UT from Pipe Side
	Circumferential	OFD-100A-3.1					2.330	Pipe to Safe End
B05.130.004A	3-PIA1-7	ISI-OCN3-007	NDE-610	UT	SS/CS	33.500	40397	UT from Safe End Side
	Circumferential	OFD-100A-3.1					2.330	Pipe to Safe End
B05.130.004B	3-PIA1-7	ISI-OCN3-007	NDE-35	PT	SS/CS	33.500		
	Circumferential	OFD-100A-3.1					2.330	Pipe to Safe End
B05.130.008	3-PDA1-2	ISI-OCN3-011	NDE-610	UT	SS/CS	33.500	40350	UT from elbow side
	Circumferential	OFD-100A-3.1					2.330	Safe End to Elbow
B05.130.008A	3-PDA1-2	ISI-OCN3-011	NDE-610	UT	SS/CS	33.500	40397	UT from Safe End side
	Circumferential	OFD-100A-3.1					2.330	Safe End to Elbow
B05.130.008B	3-PDA1-2	ISI-OCN3-011	NDE-35	PT	SS/CS	33.500		
	Circumferential	OFD-100A-3.1					2.330	Safe End to Elbow
<b>Total B05.130 Items:</b>		<b>6</b>						

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

**Piping**

DUKE POWER COMPANY  
QUALITY ASSURANCE TECHNICAL SERVICES  
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**Inservice Inspection Plan for Interval 3 Outage 1**

ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DI/THK	CAL	BLOCKS	COMMENTS
<b>**** Less Than NPS 4; Dissimilar Metal Butt Welds ****</b>									
B05.140.004	3-PIB1-10	ISI-OCN3-009 OFD-100A-3.1	NDE-35	PT	CS/Inconel	2.500 0.375			Nozzle (Drain Nozzle) to Safe End

Total B05.140 Items:	1
Total Category B-F Items:	15

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

**Reactor Vessel**

DUKE POWER COMPANY  
QUALITY ASSURANCE TECHNICAL SERVICES  
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ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
**** Closure Head Nuts ****								
B06.010.036	3RPV-26-209-36	OM-2201-52 B&W 149922	NDE-25	MT	CS	9.250 1.300		Closure Head Nut
B06.010.037	3RPV-26-209-37	OM-2201-52 B&W 149922	NDE-25	MT	CS	9.250 1.300		Closure Head Nut
B06.010.038	3RPV-26-209-38	OM-2201-52 B&W 149922	NDE-25	MT	CS	9.250 1.300		Closure Head Nut
B06.010.039	3RPV-26-209-39	OM-2201-52 B&W 149922	NDE-25	MT	CS	9.250 1.300		Closure Head Nut
B06.010.040	3RPV-26-209-40	OM-2201-52 B&W 149922	NDE-25	MT	CS	9.250 1.300		Closure Head Nut
B06.010.041	3RPV-26-209-41	OM-2201-52 B&W 149922	NDE-25	MT	CS	9.250 1.300		Closure Head Nut
B06.010.042	3RPV-26-209-42	OM-2201-52 B&W 149922	NDE-25	MT	CS	9.250 1.300		Closure Head Nut
B06.010.043	3RPV-26-209-43	OM-2201-52 B&W 149922	NDE-25	MT	CS	9.250 1.300		Closure Head Nut
B06.010.044	3RPV-26-209-69	OM-2201-52 B&W 149922	NDE-25	MT	CS	9.250 1.300		Closure Head Nut
B06.010.045	3RPV-26-209-45	OM-2201-52 B&W 149922	NDE-25	MT	CS	9.250 1.300		Closure Head Nut

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

**Reactor Vessel**

DUKE POWER COMPANY  
QUALITY ASSURANCE TECHNICAL SERVICES  
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**Inservice Inspection Plan for Interval 3 Outage 1**

ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
B06.010.046	3RPV-26-209-46	OM-2201-52 B&W 149922	NDE-25	MT	CS	9.250 1.300		Closure Head Nut
B06.010.047	3RPV-26-209-47	OM-2201-52 B&W 149922	NDE-25	MT	CS	9.250 1.300		Closure Head Nut
B06.010.048	3RPV-26-209-48	OM-2201-52 B&W 149922	NDE-25	MT	CS	9.250 1.300		Closure Head Nut
B06.010.049	3RPV-26-209-49	OM-2201-52 B&W 149922	NDE-25	MT	CS	9.250 1.300		Closure Head Nut
B06.010.050	3RPV-26-209-50	OM-2201-52 B&W 149922	NDE-25	MT	CS	9.250 1.300		Closure Head Nut

**Total B06.010 Items: 15**

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

DUKE POWER COMPANY  
QUALITY ASSURANCE TECHNICAL SERVICES  
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**Inservice Inspection Plan for Interval 3 Outage 1**

Reactor Vessel

ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
---- Closure Studs, when removed ----								
B06.030.036	3RPV-26-209-36	OM-2201-52 B&W 149922 OM-2201-51	NDE-942	UT	CS	6.500 0.000	TBD	Reactor Closure Stud. Inspect when removed. Stud Length-63.250"
B06.030.036A	3RPV-26-209-36	OM-2201-52 B&W 149922 OM-2201-51	NDE-25	MT	CS	6.500 0.000		Reactor Closure Stud. Inspect when removed. Stud Length-63.250"
B06.030.037	3RPV-26-209-37	OM-2201-52 B&W 149922 OM-2201-51	NDE-942	UT	CS	6.500 0.000	TBD	Reactor Closure Stud. Inspect when removed. Stud Length-63.250"
B06.030.037A	3RPV-26-209-37	OM-2201-52 B&W 149922 OM-2201-51	NDE-25	MT	CS	6.500 0.000		Reactor Closure Stud. Inspect when removed. Stud Length-63.250"
B06.030.038	3RPV-26-209-38	OM-2201-52 B&W 149922 OM-2201-51	NDE-942	UT	CS	6.500 0.000	TBD	Reactor Closure Stud. Inspect when removed. Stud Length-63.250"
B06.030.038A	3RPV-26-209-38	OM-2201-52 B&W 149922 OM-2201-51	NDE-25	MT	CS	6.500 0.000		Reactor Closure Stud. Inspect when removed. Stud Length-63.250"
B06.030.039	3RPV-26-209-39	OM-2201-52 B&W 149922 OM-2201-51	NDE-942	UT	CS	6.500 0.000	TBD	Reactor Closure Stud. Inspect when removed. Stud Length-63.250"
B06.030.039A	3RPV-26-209-39	OM-2201-52 B&W 149922 OM-2201-51	NDE-25	MT	CS	6.500 0.000		Reactor Closure Stud. Inspect when removed. Stud Length-63.250"
B06.030.040	3RPV-26-209-40	OM-2201-52 B&W 149922 OM-2201-51	NDE-942	UT	CS	6.500 0.000	TBD	Reactor Closure Stud. Inspect when removed. Stud Length-63.250"
B06.030.040A	3RPV-26-209-40	OM-2201-52 B&W 149922 OM-2201-51	NDE-25	MT	CS	6.500 0.000		Reactor Closure Stud. Inspect when removed. Stud Length-63.250"



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

**DUKE POWER COMPANY  
QUALITY ASSURANCE TECHNICAL SERVICES  
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Reactor Vessel

**Inservice Inspection Plan for Interval 3 Outage 1**

ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
B06.030.041	3RPV-26-209-41	OM-2201-52 B&W 149922 OM-2201-51	NDE-942	UT	CS	6.500 0.000	TBD	Reactor Closure Stud. Inspect when removed. Stud Length-63.250"
B06.030.041A	3RPV-26-209-41	OM-2201-52 B&W 149922 OM-2201-51	NDE-25	MT	CS	6.500 0.000		Reactor Closure Stud. Inspect when removed. Stud Length-63.250"
B06.030.042	3RPV-26-209-42	OM-2201-52 B&W 149922 OM-2201-51	NDE-942	UT	CS	6.500 0.000	TBD	Reactor Closure Stud. Inspect when removed. Stud Length-63.250"
B06.030.042A	3RPV-26-209-42	OM-2201-52 B&W 149922 OM-2201-51	NDE-25	MT	CS	6.500 0.000		Reactor Closure Stud. Inspect when removed. Stud Length-63.250"
B06.030.043	3RPV-26-209-43	OM-2201-52 B&W 149922 OM-2201-51	NDE-942	UT	CS	6.500 0.000	TBD	Reactor Closure Stud. Inspect when removed. Stud Length-63.250"
B06.030.043A	3RPV-26-209-43	OM-2201-52 B&W 149922 OM-2201-51	NDE-25	MT	CS	6.500 0.000		Reactor Closure Stud. Inspect when removed. Stud Length-63.250"
B06.030.044	3RPV-26-209-44	OM-2201-52 B&W 149922 OM-2201-51	NDE-942	UT	CS	6.500 0.000	TBD	Reactor Closure Stud. Inspect when removed. Stud Length-63.250"
B06.030.044A	3RPV-26-209-44	OM-2201-52 B&W 149922 OM-2201-51	NDE-25	MT	CS	6.500 0.000		Reactor Closure Stud. Inspect when removed. Stud Length-63.250"
B06.030.045	3RPV-26-209-45	OM-2201-52 B&W 149922 OM-2201-51	NDE-942	UT	CS	6.500 0.000	TBD	Reactor Closure Stud. Inspect when removed. Stud Length-63.250"
B06.030.045A	3RPV-26-209-45	OM-2201-52 B&W 149922 OM-2201-51	NDE-25	MT	CS	6.500 0.000		Reactor Closure Stud. Inspect when removed. Stud Length-63.250"

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

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ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
B06.030.046	3RPV-26-209-46	OM-2201-52 B&W 149922 OM-2201-51	NDE-942	UT	CS	6.500 0.000	TBD	Reactor Closure Stud. Inspect when removed. Stud Length-63.250"
B06.030.046A	3RPV-26-209-46	OM-2201-52 B&W 149922 OM-2201-51	NDE-25	MT	CS	6.500 0.000		Reactor Closure Stud. Inspect when removed. Stud Length-63.250"
B06.030.047	3RPV-26-209-47	OM-2201-52 B&W 149922 OM-2201-51	NDE-942	UT	CS	6.500 0.000	TBD	Reactor Closure Stud. Inspect when removed. Stud Length-63.250"
B06.030.047A	3RPV-26-209-47	OM-2201-52 B&W 149922 OM-2201-51	NDE-25	MT	CS	6.500 0.000		Reactor Closure Stud. Inspect when removed. Stud Length-63.250"
B06.030.048	3RPV-26-209-48	OM-2201-52 B&W 149922 OM-2201-51	NDE-942	UT	CS	6.500 0.000	TBD	Reactor Closure Stud. Inspect when removed. Stud Length-63.250"
B06.030.048A	3RPV-26-209-48	OM-2201-52 B&W 149922 OM-2201-51	NDE-25	MT	CS	6.500 0.000		Reactor Closure Stud. Inspect when removed. Stud Length-63.250"
B06.030.049	3RPV-26-209-49	OM-2201-52 B&W 149922 OM-2201-51	NDE-942	UT	CS	6.500 0.000	TBD	Reactor Closure Stud. Inspect when removed. Stud Length-63.250"
B06.030.049A	3RPV-26-209-49	OM-2201-52 B&W 149922 OM-2201-51	NDE-25	MT	CS	6.500 0.000		Reactor Closure Stud. Inspect when removed. Stud Length-63.250"
B06.030.050	3RPV-26-209-50	OM-2201-52 B&W 149922 OM-2201-51	NDE-942	UT	CS	6.500 0.000	TBD	Reactor Closure Stud. Inspect when removed. Stud Length-63.250"
B06.030.050A	3RPV-26-209-50	OM-2201-52 B&W 149922 OM-2201-51	NDE-25	MT	CS	6.500 0.000		Reactor Closure Stud. Inspect when removed. Stud Length-63.250"

Total B06.030 Items: 30

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

Reactor Vessel

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ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
---- Closure Washers, Bushings ----								
B06.050.001B	3RPV-WASH-BUSH	OM-2201-52 B&W 149922E	QAL-13	VT-1	CS	0.000 0.000		Reactor Vessel Closure Washers & Bushings Stud Holes 36-50

Total B06.050 Items: 1

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

**Pressurizer**

DUKE POWER COMPANY  
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**Inservice Inspection Plan for Interval 3 Outage 1**

ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
**** Flange Surface, when connection disassembled ****								
B06.070.001	3PZR-MW-FLANGE	25483F B&W 149793E	QAL-13	VT-1	CS	0.000 0.000		PZR Manway Flange Surface, Includes 1" Annular Surface surrounding each stud. Inspect when connection is disassembled.

**Total B06.070 Items: 1**

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

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ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
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\*\*\*\* Bolts and Studs \*\*\*\*

B06.180.006	3RCP-3A2-S	OM-1201D-0057 OM-1201D-0059	NDE-942	UT	CS	2.250 TBD 0.000		RCP 3A2 Seal Gland Bolts (8). Stud Length=11.750"
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Total B06.180 Items: 1

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

DUKE POWER COMPANY  
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Pumps

Inservice Inspection Plan for Interval 3 Outage 1

ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
**** Flange Surface, when connection disassembled ****								
B06.190.001	3RCP-3A1-FLANGE	OM-1201D-0005 OM-1201D-0057	QAL-13	VT-1	SS	0.000 0.000		RCP 3A1 Main Flange 1" Annular Surface of Flange Surrounding each Stud.(insp. only if disass.)
B06.190.002	3RCP-3A2-FLANGE	OM-1201D-0005 OM-1201D-0057	QAL-13	VT-1	SS	0.000 0.000		RCP 3A2 Main Flange 1" Annular Surface of Flange Surrounding each Stud.(insp. only if disass.)
B06.190.003	3RCP-3B1-FLANGE	OM-1201D-0005 OM-1201D-0057	QAL-13	VT-1	SS	0.000 0.000		RCP 3B1 Main Flange 1" Annular Surface of Flange Surrounding each Stud.(insp. only if disass.)
B06.190.004	3RCP-3B2-FLANGE	OM-1201D-0005 OM-1201D-0057	QAL-13	VT-1	SS	0.000 0.000		RCP 3B2 Main Flange 1" Annular Surface of Flange Surrounding each Stud.(insp. only if disass.)
Total B06.190 Items:		4						

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

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**Inservice Inspection Plan for Interval 3 Outage 1**

**Pumps**

ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
<b>---- Nuts, Bushings, and Washers ----</b>								
B06.200.005	3RCP-3A2-NUTS	OM-1201D-0059 OM-1201D-0057	QAL-13	VT-1	NA	0.000 0.000		RCP 3A2 Seal Gland Nuts, Washers

Total B06.200 Items: 1

Total Category B-G-1 Items: 53

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

**Steam Generators**

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ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
<b>**** Bolts, Studs, and Nuts ****</b>								
B07.030.001	3SGA-UMW-BOLTS	B&W 145470E	QAL-13	VT-1	CS	2.000 0.000		Steam Generator 3A Upper Head Manway Studs and Nuts; 16 studs & nuts; length = 11.5 inches
<b>Total B07.030 Items:</b>		<b>1</b>						



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

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**Inservice Inspection Plan for Interval 3 Outage 1**

**CRD Housings**

ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
<b>*** Bolts, Studs, and Nuts ***</b>								
B07.080.001	3-RPV-CRD-BOLTS	B&W 149902E B&W 149919E	QAL-13	VT-1	NA	0.000 0.000		Inspect Only If Disassembled; See Request for Relief ONS-004 & ONS-005; 8 bolts per CRD Housing; (14 Connections inspected up to this Date)
B07.080.002	3-RPV-CRD-RINGS	B&W 149902E B&W 149919E	QAL-13	VT-1	NA	0.000 0.000		Inspect Only If Disassembled; See Request for Relief ONS-004 & ONS-005; 1 Pair per CRD Housing; (14 Connections inspected up to this date)

Total B07.080 Items: 2  
Total Category B-G-2 Items: 3

**CATEGORY B-3, Pressure Retaining Welds  
In Piping**

**NPS 4 or Larger**

DUKE POWER COMPANY  
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**Inservice Inspection Plan for Interval 3 Outage 1**

ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIATHK	CAL BLOCKS	COMMENTS
<b>*** Circumferential Welds ***</b>								
B09.011.001	3-PHA-1 Circumferential Term end	ISI-OCN3-005 OFD-100A-3.1	NDE-600 ISI-138	UT	CS	42.750 2.856	40350	For Inspection in Outage 1, see Request for Relief ONS-006 Nozzle (R V Nozzle) to Pipe
B09.011.003	3-PHB-1 Circumferential Term end	ISI-OCN3-006 OFD-100A-3.1	NDE-600 ISI-138	UT	CS	42.750 2.856	40350	For Inspection in Outage 1, see Request for Relief ONS-006 Nozzle (Reactor Vessel Nozzle) to Pipe
B09.011.005	3-PIA1-1 Circumferential Term end	ISI-OCN3-007 OFD-100A-3.1	NDE-600	UT	CS	33.500 2.330	40350	Nozzle (S/G 3A Nozzle) to Pipe
B09.011.005A	3-PIA1-1 Circumferential Term end	ISI-OCN3-007 OFD-100A-3.1	NDE-25	MT	CS	33.500 2.330		Nozzle (S/G 3A Nozzle) to Pipe
B09.011.007	3-PIA1-8 Circumferential Term end	ISI-OCN3-007 OFD-100A-3.1	NDE-600	UT	SS	33.500 2.330	40397	Safe End to Nozzle (RCP 3A1 Suct Nozzle)
B09.011.007A	3-PIA1-8 Circumferential Term end	ISI-OCN3-007 OFD-100A-3.1	NDE-35	PT	SS	33.500 2.330		Safe End to Nozzle (RCP 3A1 Suct Nozzle)
B09.011.009	3-PIA2-4 Circumferential Stress weld	ISI-OCN3-008 OFD-100A-3.1	NDE-600	UT	CS	33.500 2.330	40350	Inspect with item number B09.012.003 & B09.012.004 Pipe to Elbow
B09.011.009A	3-PIA2-4 Circumferential Stress weld	ISI-OCN3-008 OFD-100A-3.1	NDE-25	MT	CS	33.500 2.330		Inspect with item number B09.012.003A & B09.012.004A Pipe to Elbow
B09.011.012	3-PIB1-4 Circumferential Stress weld	ISI-OCN3-009 OFD-100A-3.1	NDE-600	UT	CS	33.500 2.330	40350	Inspect with item number B09.012.005 & B09.012.006 Pipe to Elbow
B09.011.012A	3-PIB1-4 Circumferential Stress weld	ISI-OCN3-009 OFD-100A-3.1	NDE-25	MT	CS	33.500 2.330		Inspect with item number B09.012.005A & B09.012.006A Pipe to Elbow

**CATEGORY B-J, Pressure Retaining Welds  
In Piping**

**NPS 4 or Larger**

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**Inservice Inspection Plan for Interval 3 Outage 1**

ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
B09.011.015	3-PIB2-4 Circumferential Stress weld	ISI-OCN3-010 OFD-100A-3.1	NDE-600	UT	CS	33.500 2.330	40350	Inspect with item number B09.012.007 & B09.012.008  Pipe to Elbow
B09.011.015A	3-PIB2-4 Circumferential Stress weld	ISI-OCN3-010 OFD-100A-3.1	NDE-25	MT	CS	33.500 2.330		Inspect with item number B09.012.007A & B09.012.008A  Pipe to Elbow
B09.011.035	3-51A-63-3 Circumferential	3-51A-63 OFD-101A-3.4	NDE-600	UT	SS	4.000 0.531	40406	Valve (Valve 3HP-194) to Pipe
B09.011.035A	3-51A-63-3 Circumferential	3-51A-63 OFD-101A-3.4	NDE-35	PT	SS	4.000 0.531		Valve (Valve 3HP-194) to Pipe
B09.011.037	3-53A-15-33 Circumferential	3-53A-15 (1) OFD-102A-3.3	NDE-600	UT	SS	14.000 1.250	40389	Elbow to Pipe
B09.011.037A	3-53A-15-33 Circumferential	3-53A-15 (1) OFD-102A-3.3	NDE-35	PT	SS	14.000 1.250		Elbow to Pipe
B09.011.038	3-53A-15-34 Circumferential	3-53A-15 (1) OFD-102A-3.3	NDE-600	UT	SS	14.000 1.250	40389	Pipe to Pipe
B09.011.038A	3-53A-15-34 Circumferential	3-53A-15 (1) OFD-102A-3.3	NDE-35	PT	SS	14.000 1.250		Pipe to Pipe
B09.011.039	3-53A-15-35 Circumferential	3-53A-15 (1) OFD-102A-3.3	NDE-600	UT	SS	14.000 1.250	40389	Pipe to Elbow
B09.011.039A	3-53A-15-35 Circumferential	3-53A-15 (1) OFD-102A-3.3	NDE-35	PT	SS	14.000 1.250		Pipe to Elbow

**CATEGORY B-J, Pressure Retaining Welds  
In Piping  
NPS 4 or Larger**

DUKE POWER COMPANY  
QUALITY ASSURANCE TECHNICAL SERVICES  
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Inservice Inspection Plan for Interval 3 Outage 1

ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS	
B09.011.040A	3-53A-15-44 Circumferential Term end	3-53A-15 (1) OFD-102A-3.3	NDE-35	PT	SS	14.000 1.250		Note: Inspection scheduled for outage 1 is to meet the requirements for second interval. See request for relief ONS-001 Pipe to Nozzle (Core Flood Noz Safe End)	
B09.011.045A	3-53A-16-1 Circumferential Term end	3-53A-16 OFD-102A-3.3	NDE-35	PT	SS	14.000 1.250		Note: Inspection scheduled for outage 1 is to meet the requirements for second interval. See request for relief ONS-001 Pipe to Nozzle (Core Flood Noz Safe End)	
<b>Total B09.011 Items:</b>		<b>22</b>							
<b>**** Longitudinal Welds ****</b>									
B09.012.003	3-PIA2-62LI Longitudinal	ISI-OCN3-008 OFD-100A-3.1	NDE-600	UT	CS	34.750 2.330	40350	Inspect with item number B09.011.009 PC 62R to PC 62L	
B09.012.003A	3-PIA2-62LI Longitudinal	ISI-OCN3-008 OFD-100A-3.1	NDE-25	MT	CS	34.750 2.330		Inspect with item number B09.011.009A PC 62R to PC 62L	
B09.012.004	3-PIA2-62LO Longitudinal	ISI-OCN3-008 OFD-100A-3.1	NDE-600	UT	CS	34.750 2.330	40350	Inspect with item number B09.011.009 PC 62R to PC 62L	
B09.012.004A	3-PIA2-62LO Longitudinal	ISI-OCN3-008 OFD-100A-3.1	NDE-25	MT	CS	34.750 2.330		Inspect with item number B09.011.009A PC 62R to PC 62L	
B09.012.005	3-PIB1-62LI Longitudinal	ISI-OCN3-009 OFD-100A-3.1	NDE-600	UT	CS	34.750 2.330	40350	Inspect with item number B09.011.012 PC 62R to PC 62L	
B09.012.005A	3-PIB1-62LI Longitudinal	ISI-OCN3-009 OFD-100A-3.1	NDE-25	MT	CS	34.750 2.330		Inspect with item number B09.011.012A PC 62R to PC 62L	
B09.012.006	3-PIB1-62LO Longitudinal	ISI-OCN3-009 OFD-100A-3.1	NDE-600	UT	CS	34.750 2.330	40350	Inspect with item number B09.011.012 PC 62R to PC 62L	

**CATEGORY B-J. Pressure Retaining Welds  
In Piping**

**NPS 4 or Larger**

DUKE POWER COMPANY  
QUALITY ASSURANCE TECHNICAL SERVICES  
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**Inservice Inspection Plan for Interval 3 Outage 1**

ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
B09.012.006A Longitudinal	3-PIB1-62LO	ISI-OCN3-009 OFD-100A-3.1	NDE-25	MT	CS	34.750 2.330		Inspect with item number B09.011.012A  PC 62R to PC 62L
B09.012.007 Longitudinal	3-PIB2-62LI	ISI-OCN3-010 OFD-100A-3.1	NDE-600	UT	CS	34.750 40350 2.330		Inspect with item number B09.011.015  PC 62R to PC 62L
B09.012.007A Longitudinal	3-PIB2-62LI	ISI-OCN3-010 OFD-100A-3.1	NDE-25	MT	CS	34.750 2.330		Inspect with item number B09.011.015A  PC 62R to PC 62L
B09.012.008 Longitudinal	3-PIB2-62LO	ISI-OCN3-010 OFD-100A-3.1	NDE-600	UT	CS	34.750 40350 2.330		Inspect with item number B09.011.015  PC 62R to PC 62L
B09.012.008A Longitudinal	3-PIB2-62LO	ISI-OCN3-010 OFD-100A-3.1	NDE-25	MT	CS	34.750 2.330		Inspect with item number B09.011.015A  PC 62R to PC 62L
B09.012.009 Longitudinal	3-PDA1-53LI	ISI-OCN3-011 OFD-100A-3.1	NDE-600	UT	CS	34.750 40350 2.330		Inspect with item number B05.130.008  PC 53R to PC 53L
B09.012.009A Longitudinal	3-PDA1-53LI	ISI-OCN3-011 OFD-100A-3.1	NDE-25	MT	CS	34.750 2.330		Inspect with item number B05.130.008A  PC 53R to PC 53L
B09.012.010 Longitudinal	3-PDA1-53LO	ISI-OCN3-011 OFD-100A-3.1	NDE-600	UT	CS	34.750 40350 2.330		Inspect with item number B05.130.008  PC 53R to PC 53L
B09.012.010A Longitudinal	3-PDA1-53LO	ISI-OCN3-011 OFD-100A-3.1	NDE-25	MT	CS	34.750 2.330		Inspect with item number B05.130.008A  PC 53R to PC 53L

**Total B09.012 Items: 16**

**CATEGORY B-J, Pressure Retaining Welds  
In Piping**

**Less Than NPS 4**

DUKE POWER COMPANY  
QUALITY ASSURANCE TECHNICAL SERVICES  
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ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
---- Circumferential Welds ----								
B09.021.001	3-50-152-18A	3-50-152 OFD-100A-3.2	NDE-35	PT	SS	1.500	0.281	Pipe to Elbow
B09.021.004	3-50-21-3	3-50-21 OFD-100A-3.1	NDE-35	PT	SS	1.500	0.281	Elbow to Pipe
B09.021.007	3-50-45-1	3-50-45 OFD-100A-3.2	NDE-35	PT	SS	2.500	0.375	Flange to Reducer
B09.021.010	3-PSP-14	ISI-OCN3-016 OFD-100A-3.2	NDE-35	PT	SS	2.500	0.375	Elbow to Tee
B09.021.038	3-51A-63-12A	3-51A-63 OFD-101A-3.4	NDE-35	PT	SS	2.500	0.375	Tee to Pipe
B09.021.040	3-51A-63-18A	3-51A-63 OFD-101A-3.4	NDE-35	PT	SS	2.500	0.375	Pipe to Elbow
B09.021.043	3-51A-63-33	3-51A-63 OFD-101A-3.4	NDE-35	PT	SS	2.500	0.375	Elbow to Pipe
B09.021.044	3-51A-63-35	3-51A-63 OFD-101A-3.4	NDE-35	PT	SS	2.500	0.375	Elbow to Valve (Valve 3HP-127)
B09.021.057	3-51A-69-67	3-51A-69 OFD-100A-3.1	NDE-35	PT	SS	1.500	0.281	Pipe to Elbow
B09.021.058	3-51A-69-68	3-51A-69 OFD-100A-3.1	NDE-35	PT	SS	1.500	0.281	Elbow to Pipe

**CATEGORY B-J, Pressure Retaining Welds  
In Piping**

**Less Than NPS 4**

DUKE POWER COMPANY  
QUALITY ASSURANCE TECHNICAL SERVICES  
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**Inservice Inspection Plan for Interval 3 Outage 1**

ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
B09.021.061	3-51A-69-73 Circumferential	3-51A-69 OFD-100A-3.1	NDE-35	PT	SS	2.500 0.375		Elbow to Safe End
B09.021.062	3-53A-37-2 Circumferential	3-53A-37 OFD-102A-3.1	NDE-35	PT	SS	3.000 J.438		Pipe to Valve (Valve 3LP-103)

**Total B09.021 Items: 12**

**CATEGORY B-J. Pressure Retaining Welds  
In Piping**

DUKE POWER COMPANY  
QUALITY ASSURANCE TECHNICAL SERVICES  
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**Inservice Inspection Plan for Interval 3 Outage 1**

**Branch Pipe Connection Welds**

ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
<b>**** Less Than NPS 4 ****</b>								
B09.032.001	3-PIA1-10	ISI-OCN3-007 OFD-100A-3.1	NDE-35	PT	CS/Inconel	12.000 2.250		NPS of the Suction Drain Nozzle = 1.5 inch Diameter & .281 Thickness Nozzle (Suction Drain Nozzle) to Pipe
B09.032.004	3-PDA1-10	ISI-OCN3-011 OFD-100A-3.1	NDE-25	MT	CS	12.000 2.250		NPS of the HPI Nozzle = 2.5 inch Diameter & .375 Thickness Pipe to Nozzle (HPI Nozzle)
Total B09.032 Items:	2							



**CATEGORY B-J, Pressure Retaining Welds  
In Piping**

DUKE POWER COMPANY  
QUALITY ASSURANCE TECHNICAL SERVICES  
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**Inservice Inspection Plan for Interval 3 Outage 1**

Socket Welds

ITEM NUMBER      ID NUMBER      ISO/DWG NUMBERS      PROC      INSP REQ      MAT/SCH      DIA/THK      CAL BLOCKS      COMMENTS

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B09.040.001	3-50-152-10	3-50-152 OFD-100A-3.2	NDE-35	PT	SS	1.500 0.281		
	Socket			Pipe to Tee				

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Total B09.040 Items:      1

Total Category B-J Items:      53

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

DUKE POWER COMPANY  
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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	3RCP-3A1	ISI-OCN3-007 OM-1201D-0057 OM-1201D-0005	NDE-12	RT	SS	68.000 0.000		Reactor Coolant Pump 3A1 Casing Weld. (Inspect only if disassembled for maintenance purposes, repair, ect.)
							Casing to Casing	
B12.010.002	3RCP-3A2	ISI-OCN3-008 OM-1201D-0057 OM-1201D-0005	NDE-12	RT	SS	0.000 6.500		Reactor Coolant Pump 3A2 Casing Weld. (Inspect only if disassembled for maintenance purposes, repair, ect.)
							Casing to Casing	
B12.010.003	3RCP-3B1	ISI-OCN3-009 OM-1201D-0057 OM-1201D-0005	NDE-12	RT	SS	0.000 6.500		Reactor Coolant Pump 3B1 Casing Weld. (Inspect only if disassembled for maintenance purposes, repair, ect.) See Request for Relief ONS-008
							Casing to Casing	
B12.010.004	3RCP-3B2	ISI-OCN3-010 OM-1201D-0057 OM-1201D-0005	NDE-12	RT	SS	0.000 6.500		Reactor Coolant Pump 3B2 Casing Weld. (Inspect only if disassembled for maintenance purposes, repair, ect.)
							Casing to Casing	
<hr/>								
Total B12.010 Items:		4						

**CATEGORY B-2, Pump Casings**

DUKE POWER COMPANY  
 QUALITY ASSURANCE TECHNICAL SERVICES  
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**Inservice Inspection Plan for Interval 3 Outage 1**

Pumps

ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIATHK	CAL BLOCKS	COMMENTS
<b>*** Pump Casing ***</b>								
B12.020.001	3RCP-3A1-CASING	ISI-OCN3-007 OM-12/1D-0057 OM-12/1D-0005	QAL-14	VT-3	SS	0.000 0.000		Reactor Coolant Pump 3A1 Casing Internal Surfaces.(Inspect only if disassembled for maintenance purposes, repair,ect.)
				Casing Internal Surfaces to Other				
B12.020.002	3RCP-3A2-CASING	ISI-OCN3-008 OM-1201D-0057 OM-1201D-0005	QAL-14	VT-3	SS	0.000 0.000		Reactor Coolant Pump 3A2 Casing Internal Surfaces.(Inspect only if disassembled for maintenance purposes, repair,ect.)
				Casing Internal Surfaces to Other				
B12.020.003	3RCP-3B1-CASING	ISI-OCN3-009 OM-1201D-0057 OM-1201D-0005	QAL-14	VT-3	SS	0.000 0.000		Reactor Coolant Pump 3B1 Casing Internal Surfaces.(Inspect only if disassembled for maintenance purposes, repair,ect.)
				Casing Internal Surfaces to Other				
B12.020.004	3RCP-3B2-CASING	ISI-OCN3-010 OM-1201D-0057 OM-1201D-0005	QAL-14	VT-3	SS	0.000 0.000		Reactor Coolant Pump 3B2 Casing Internal Surfaces.(Inspect only if disassembled for maintenance purposes, repair,ect.)
				Casing Internal Surfaces to Other				
<b>Total B12.020 Items:</b>		<b>4</b>						

**CATEGORY B-M-2, Valve Bodies**

DUKE POWER COMPANY  
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**Inservice Inspection Plan for Interval 3 Outage 1**

ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
<b>**** Valve Body, Exceeding NPS 4 ****</b>								
B12.050.001	3-53A-CF-11	OM-245-001 OFD-102A-3.3	QAL-14	VT-3	NA	14.000 0.000		A-Side Core Flood (W-Axis); Valve Body Internal Surfaces-Valve 3CF-11; (Inspect only if valve is disassembled for maintenance purposes, valve repair, ect.)
B12.050.002	3-53A-CF-12	OM-245-001 OFD-102A-3.3	QAL-14	VT-3	NA	14.000 0.000		A-Side Core Flood (W-Axis); Valve Body Internal Surfaces-Valve 3CF-12; (Inspect only if valve is disassembled for maintenance purposes, valve repair, ect.)
B12.050.003	3-53A-CF-13	OM-245-001 OFD-102A-3.3	QAL-14	VT-3	NA	14.000 0.000		B-Side Core Flood (W-Axis); Valve Body Internal Surfaces-Valve 3CF-13; (Inspect only if valve is disassembled for maintenance purposes, valve repair, ect.)
B12.050.004	3-53A-CF-14	OM-245-001 OFD-102A-3.3	QAL-14	VT-3	NA	14.000 0.000		B-Side Core Flood (W-Axis); Valve Body Internal Surfaces-Valve 3CF-14; (Inspect only if valve is disassembled for maintenance purposes, valve repair, ect.)
B12.050.005	3-53A-LP-47	OM-245-001 OFD-102A-3.2	QAL-14	VT-3	NA	14.000 0.000		B-Side LPI Valve Body Surfaces-Valve 3LP-47; (Inspect only if valve is disassembled for maintenance purposes, valve repair, ect.)
B12.050.006	3-53A-LP-48	OM-245-001 OFD-102A-3.2	QAL-14	VT-3	NA	10.000 0.000		B-Side LPI Valve Body Surfaces-Valve 3LP-48; (Inspect only if valve is disassembled for maintenance purposes, valve repair, ect.)
B12.050.007	3-53A-LP-1	OM-201-165 OFD-102A-3.1	QAL-14	VT-3	NA	12.000 0.000		B-Side LPI Valve Body Surfaces-Valve 3LP-1; (Inspect only if valve is disassembled for maintenance purposes, valve repair, ect.)
B12.050.008	3-53A-LP-2	OM-201-165 OFD-102A-3.1	QAL-14	VT-3	NA	12.000 0.000		B-Side LPI Valve Body Surfaces-Valve 3LP-2; (Inspect only if valve is disassembled for maintenance purposes, valve repair, ect.)

**Total B12.050 Items: 8**

**Total Category B-M-2 Items: 16**

**CATEGORY B-O, Pressure Retaining Welds  
In Control Rod Housings**

Reactor Vessel

DUKE POWER COMPANY  
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ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS	
**** Welds In CRD Housing ****									
B14.010.001	3RPV-CRD-46WH9	B&W 149920E	NDE-35	PT	SS/Inconel	4.060 0.650		Peripheral CRDM-HOUSING Body to Adapter	
B14.010.002	3RPV-CRD-46WH60	B&W 149920E	NDE-35	PT	SS/CS	5.000 0.500		CRDM Base to Motor Tube	
B14.010.003	3RPV-CRD-46	B&W 43-53-033-09	NDE-35	PT	SS/CS	4.300 0.400		CRDM Motor Tube to Extension	
B14.010.004	3RPV-CRD-46W61	B&W 43-53-031-02	NDE-35	PT	SS	4.190 0.380		Peripheral CRDM Extension to Cap	
<hr/>									
Total B14.010 Items:									4
Total Category B-O Items:									4

**CATEGORY C-A. Pressure Retaining Welds  
In Pressure Vessels**

**Shell Circumferential Welds**

DUKE POWER COMPANY  
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ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
C01.010.003	3-SGA-WG8-3	ISI-OCN3-003 OM-2201-222	NDE-620 NDE-640	UT	CS	138.000	40339 4.188	S/G A Shell to Shell PC.3 to PC.4
	Circumferential			Shell to Shell				
C01.010.004	3-SGA-WG8-4	ISI-OCN3-003 OM-2201-222	NDE-620 NDE-640	UT	CS	138.000	40339 4.188	S/G A Shell to Shell PC.4 to PC.6
	Circumferential			Shell to Shell				

Total C01.010 Items: 2

Total Category C-A Items: 2

**CATEGORY C-B, Pressure Retaining Nozzle**

**Welds In Vessels**

**Nozzles Without Reinforcing Plate In Vessels >  
1/2 in. Nom. Thickness**

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ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
<b>**** Nozzle-to-Shell (or Head) Weld ****</b>								
C02.021.001	3-SGA-WG23-2	ISI-OCN3-003 OM-2201-222	NDE-620 NDE-640	UT	CS	29.000 6.750	40338	Steam Generator 3A Outlet Nozzle (X-Y Axis); PC 14 to PC 3 Outlet Nozzle to Shell
C02.021.001A	3-SGA-WG23-2	ISI-OCN3-003 OM-2201-222	NDE-25	MT	CS	29.000 6.750		Steam Generator 3A Outlet Nozzle (X-Y Axis); PC 14 to PC 3 Outlet Nozzle to Shell
C02.021.002	3-SGB-WG23-1	ISI-OCN3-004 OM-2201-222	NDE-620 NDE-640	UT	CS	29.000 6.750	40338	Steam Generator 3B Outlet Nozzle (W-X Axis); PC 14 to PC 3 Outlet Nozzle to Shell
C02.021.002A	3-SGB-WG23-1	ISI-OCN3-004 OM-2201-222	NDE-25	MT	CS	29.000 6.750		Steam Generator 3B Outlet Nozzle (W-X Axis); PC 14 to PC 3 Outlet Nozzle to Shell
<b>Total C02.021 Items:</b>		<b>4</b>						
<b>**** Nozzle Inside Radius Section ****</b>								
C02.022.001	3-SGA-WG23-2	ISI-OCN3-003 OM-2201-222	NDE-680	UT	CS	29.000 6.750	40338	Steam Generator 3A Outlet Nozzle (X-Y Axis); PC 14 to PC 3; Inside Radius Outlet Nozzle to Shell
C02.022.002	3-SGB-WG23-1	ISI-OCN3-003 OM-2201-222	NDE-680	UT	CS	29.000 6.750	40338	Steam Generator 3B Outlet Nozzle (W-X Axis); PC 14 to PC 3; Inside Radius Outlet Nozzle to Shell
<b>Total C02.022 Items:</b>		<b>2</b>						
<b>Total Category C-B Items:</b>		<b>6</b>						

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

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QUALITY ASSURANCE TECHNICAL SERVICES  
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**Inservice Inspection Plan for Interval 3 Outage 1**

**Piping**

ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
<b>---- Integrally Welded Attachments ----</b>								
C03.020.036	3-54A-H52	3-0-2439A	NDE-35	PT	SS	8.000		File No. OSC-556
	Spring hanger	OFD-103A-3.1				1.000		Page No. 65.1 Problem No. 3-54-03
C03.020.037	3-54A-SR7	3-0-2435B	NDE-35	PT	SS	8.000		File No. OSC-555
	Hyd snubber	OFD-103A-3.1				1.000		Page No. 42.1 Problem No. 3-54-02
Total C03.020 Items:								2
Total Category C-C Items:								2



**CATEGORY C-D, Pressure Retaining  
Bolting Greater Than 2 in. In Diameter**

DUKE POWER COMPANY  
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**Inservice Inspection Plan for Interval 3 Outage 1**

**Valves**

ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
<b>---- Bolts and Studs ----</b>								
C04.040.001	3-01A-SV3-STUD	3-01A-27 OM-200-195 OFD-122B-3.1	NDE-942	UT	CS	2.250	40417 0.000	Main Steam Stop Valve SV3 Bolting

Total C04.040 Items: 1

Total Category C-D Items: 1

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

**Piping Welds ≥ 3/8 In. Nominal Wall Thickness for  
Piping > NPS 4**

DUKE POWER COMPANY  
QUALITY ASSURANCE TECHNICAL SERVICES  
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ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
<b>**** Circumferential Weld ****</b>								
C05.011.004	3-53A-15-78	3-53A-15 (2) OFD-102A-3.2 OFD-102A-3.3	NDE-600	UT	SS	10.000	40354	Pipe to Valve (Valve 3LP-18) 1.125
C05.011.004A	3-53A-15-78	3-53A-15 (2) OFD-102A-3.2 OFD-102A-3.3	NDE-35	PT	SS	10.000		Pipe to Valve (Valve 3LP-18) 1.125
C05.011.010	3-53A-24-8	3-53A-24 OFD-102A-3.2	NDE-600	UT	SS	10.000	40354	Elbow to Elbow 1.125
C05.011.010A	3-53A-24-8	3-53A-24 OFD-102A-3.2	NDE-35	PT	SS	10.000		Elbow to Elbow 1.125
C05.011.011	3-53A-24-9	3-53A-24 OFD-102A-3.2	NDE-600	UT	SS	10.000	40354	Elbow to Pipe 1.125
C05.011.011A	3-53A-24-9	3-53A-24 OFD-102A-3.2	NDE-35	PT	SS	10.000		Elbow to Pipe 1.125
<b>Total C05.011 Items:</b>		<b>6</b>						

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

DUKE POWER COMPANY  
QUALITY ASSURANCE TECHNICAL SERVICES  
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**Inservice Inspection Plan for Interval 3 Outage 1**

**Piping Welds > 1/5 In. Nom Wall For Piping ≥  
NPS 2 And ≤ NPS 4**

ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
<b>---- Circumferential Weld ----</b>								
C05.021.001	3-51A-101-1	3-51A-101 OFD-101A-3.2	NDE-600	UT	SS	2.500	40378	Elbow to Pipe
	Circumferential						0.375	
C05.021.001A	3-51A-101-1	3-51A-101 OFD-101A-3.2	NDE-35	PT	SS	2.500		Elbow to Pipe
	Circumferential						0.375	
C05.021.010	3-51A-118-31	3-51A-118 OFD-101A-3.4	NDE-600	UT	SS	4.000	40406	Elbow to Pipe
	Circumferential						0.531	
C05.021.010A	3-51A-118-31	3-51A-118 OFD-101A-3.4	NDE-35	PT	SS	4.000		Elbow to Pipe
	Circumferential						0.531	
C05.021.020	3-51A-120-8	3-51A-120 OFD-101A-3.4	NDE-600	UT	SS	4.000	40406	Elbow to Pipe
	Circumferential						0.531	
C05.021.020A	3-51A-120-8	3-51A-120 OFD-101A-3.4	NDE-35	PT	SS	4.000		Elbow to Pipe
	Circumferential						0.531	
C05.021.028	3-51A-141-20	3-51A-141 OFD-101A-3.1	NDE-600	UT	SS	2.500	40378	Elbow to Pipe
	Circumferential						0.375	
C05.021.028A	3-51A-141-20	3-51A-141 OFD-101A-3.1	NDE-35	PT	SS	2.500		Elbow to Pipe
	Circumferential Term end						0.375	
C05.021.030	3-51A-50-35	3-51A-50 OFD-101A-3.3	NDE-600	UT	SS	4.000	TBD	Tee to Elbow
	Circumferential						0.237	
C05.021.030A	3-51A-50-35	3-51A-50 OFD-101A-3.3	NDE-35	PT	SS	4.000		Tee to Elbow
	Circumferential						0.237	

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

**Piping Welds > 1/5 In. Nom Wall For Piping ≥  
NPS 2 And ≤ NPS 4**

DUKE POWER COMPANY  
QUALITY ASSURANCE TECHNICAL SERVICES  
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ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
C05.021.037	3-51A-52-39 Circumferential	3-51A-52 OFD-101A-3.3	NDE-600	UT	SS	4.000	40406 0.531	Tee to Reducer
C05.021.037A	3-51A-52-39 Circumferential	3-51A-52 OFD-101A-3.3	NDE-35	PT	SS	4.000	0.531	Tee to Reducer
C05.021.038	3-51A-52-40 Circumferential	3-51A-52 OFD-101A-3.3	NDE-600	UT	SS	3.000	50225 0.438	Reducer to Pipe
C05.021.038A	3-51A-52-40 Circumferential	3-51A-52 OFD-101A-3.3	NDE-35	PT	SS	3.000	0.438	Reducer to Pipe
C05.021.047	3-51A-59-6 Circumferential	3-51A-59 OFD-101A-3.4	NDE-600	UT	SS	4.000	40406 0.531	Elbow to Pipe
C05.021.047A	3-51A-59-6 Circumferential	3-51A-59 OFD-101A-3.4	NDE-35	PT	SS	4.000	0.531	Elbow to Pipe
C05.021.052	3-51A-66-9C Circumferential	3-51A-66 OFD-101A-3.4	NDE-600	UT	SS	4.000	40406 0.674	Tee to Pipe
C05.021.052A	3-51A-66-9C Circumferential	3-51A-66 OFD-101A-3.4	NDE-35	PT	SS	4.000	0.674	Tee to Pipe
C05.021.060	3-51A-87-25 Circumferential	3-51A-87 OFD-101A-3.4	NDE-600	UT	SS	4.000	40406 0.531	Pipe to Tee
C05.021.060A	3-51A-87-25 Circumferential	3-51A-87 OFD-101A-3.4	NDE-35	PT	SS	4.000	0.531	Pipe to Tee

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

**Piping Welds > 1/5 In. Nom Wall For Piping ≥  
NPS 2 And ≤ NPS 4**

DUKE POWER COMPANY  
QUALITY ASSURANCE TECHNICAL SERVICES  
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ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
C05.021.070	3-RCP-FTR3B-SH	3-51A-87 OFD-101A-3.4 OM-201-0473-001	NDE-600	UT	SS	4.000	40406	
	Circumferential Term end					0.531		Flange to RCP 3B Filter
C05.021.070A	3-RCP-FTR3B-SH-1	3-51A-87 OFD-101A-3.4 OM-201-0473-001	NDE-35	PT	SS	4.000		
	Circumferential Term end					0.531		Flange to RCP 3B Filter
C05.021.071	3-RCP-FTR3B-SH-2	3-51A-87 OFD-101A-3.4 OM-201-0473-001	NDE-600	UT	SS	4.000	40406	
	Circumferential Term end					0.531		RCP 3B Filter to Flange
C05.021.071A	3-RCP-FTR3B-SH-2	3-51A-87 OFD-101A-3.4 OM-201-0473-001	NDE-35	PT	SS	4.000		
	Circumferential Term end					0.531		RCP 3B Filter to Flange

Total C05.021 Items: 24

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

**Socket Welds**

DUKE POWER COMPANY  
QUALITY ASSURANCE TECHNICAL SERVICES  
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ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DI/THK	CAL BLOCKS	COMMENTS
C05.030.001	3-BWST-OUT-2	3-53B-46 OFD-102A-3.1 OM-2201-0839	NDE-35	PT	SS	14.000 0.375		Slip- On Flange to Borated Storage Tank Outlet Nozzle; Dwg- OM-1201-80
	Socket Term end			Flange to Nozzle				

Total C05.030 Items: 1

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

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

DUKE POWER COMPANY  
QUALITY ASSURANCE TECHNICAL SERVICES  
Inservice Inspection Database Management System  
Oconee Unit 3

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ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
<b>---- Circumferential Weld ----</b>								
C05.051.010	3-01A-23-11	3-01A-23 OFD-122A-3.1	NDE-12	RT	CS	24.000 0.969		Reducer to Nozzle (S/G 3A)
C05.051.010A	3-01A-23-11	3-01A-23 OFD-122A-3.1	NDE-25	MT	CS	24.000 0.969		Reducer to Nozzle (S/G 3A)
C05.051.012	3-01A-24-10	3-01A-24 OFD-122A-3.1	NDE-12	RT	CS	24.000 0.969		Reducer to Nozzle (S/G 3B)
C05.051.012A	3-01A-24-10	3-01A-24 OFD-122A-3.1	NDE-25	MT	CS	24.000 0.969		Reducer to Nozzle (S/G 3B)
C05.051.021	3-03-31-16A	3-03-31 OFD-121B-3.3	NDE-12	RT	CS	24.000 1.218		Valve (Valve 3FDW-37) to Pipe
C05.051.021A	3-03-31-16A	3-03-31 OFD-121B-3.3	NDE-25	MT	CS	24.000 1.218		Valve (Valve 3FDW-37) to Pipe
C05.051.023	3-03A-147-16	3-03A-147 OFD-121B-3.3	NDE-12	RT	CS	6.000 0.432		Pipe to Pipe Cap
C05.051.023A	3-03A-147-16	3-03A-147 OFD-121B-3.3	NDE-25	MT	CS	6.000 0.432		Pipe to Pipe Cap
C05.051.027	3-14B-116-16	3-14B-116 OFD-124B-3.2	NDE-12	RT	CS	8.000 0.500		Valve (3LPSW-16) to Pipe
C05.051.027A	3-14B-116-16	3-14B-116 OFD-124B-3.2	NDE-25	MT	CS	8.000 0.500		Valve (3LPSW-16) to Pipe

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

DUKE POWER COMPANY  
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**Piping Welds  $\geq 3/8$  In Nominal Wall Thickness for  
Piping  $>$  NPS 4**

**Inservice Inspection Plan for Interval 3 Outage 1**

ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
C05.051.041	3-14B-119-57	3-14B-119 OFD-124B-3.2	NDE-12	RT	CS	8.000 0.500		Pipe to Pipe
C05.051.041A	3-14B-119-57	3-14B-119 OFD-124B-3.2	NDE-25	MT	CS	8.000 0.500		Pipe to Pipe
<b>Total C05.051 Items:</b>		<b>12</b>						



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

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**2 Pipe Branch Connections of Branch Piping ≥ NPS**

ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
<b>**** Circumferential Weld ****</b>								
C05.081.001	3-MS22A-E	3-01A-10/3MS-22A OFD-122A-3.1	NDE-25	MT	CS	8.000	0.500	
	Branch			Pipe to Pipe				
C05.081.002	3-MS12B-A	3-01A-13/3MS-12B OFD-122A-3.1	NDE-25	MT	CS	8.000	0.906	Branch Weld is Inaccessible due to gaurd pipe. Inspect Only if gaurd pipe is removed for Maintenance Activities or repair/replacement reasons. See Request for Relief ONS-010.
	Branch			Pipe to Pipe				
C05.081.005	3-MS15A-F	3-01A-9/3MS-15A OFD-122A-3.1	NDE-25	MT	CS	8.000	0.906	Branch Weld is Inaccessible due to gaurd pipe. Inspect Only if gaurd pipe is removed for Maintenance Activities or repair/replacement reasons. See Request for Relief ONS-010.
	Branch			Pipe to Pipe				
C05.081.007	3-MS15A-H	3-01A-9/3MS-15A OFD-122A-3.1	NDE-25	MT	CS	8.000	0.906	Branch Weld is Inaccessible due to gaurd pipe. Inspect Only if gaurd pipe is removed for Maintenance Activities or repair/replacement reasons. See Request for Relief ONS-010.
	Branch			Pipe to Pipe				
C05.081.011	3-14B-101-09	3-14B-101 OFD-124B-3.2	NDE-25	MT	CS	6.000	0.280	
	Branch			Pipe to Pipe				

Total C05.081 Items: 5

Total Category C-F-2 Items: 48

**CATEGORY C-G, Pressure Retaining Welds  
In Pumps And Valves**

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Valves

ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DI/THK	CAL BLOCKS	COMMENTS
<b>*** Valve Body Welds ***</b>								
C06.020.001	3-FDW-345	OM-245-796	NDE-25	MT	CS	6.000		Valve Body Weld on Valve 3FDW-345
	Circumferential	OFD-121D-3.1				1.136		Valve Body Neck to Valve Body

Total C06.020 Items: 1

Total Category C-G Items: 1

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

**Integral Attachment**

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ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
**** Component Supports and Restraints ****								
D02.020.006	3-01A-LC-1603 Rigid restraint	0-2403D OFD-122A-3.4	QAL-14	VT-3	NA	6.000 0.187		File no. OSC-510 Sht 1of3 Prob. No. 3-01A-04 Main Steam to Emergency F.W. Pump
D02.020.008	3-01A-R7 Rigid restraint	4-1-0-2403A OFD-122A-3.4	QAL-14	VT-3	NA	6.000 0.125		File no. OSC-510 Sht 2of3 Prob. No. 3-01A-04 Page 68 Main Steam to Emergency F.W. Pump
D02.020.009	3-03-H54 Rigid restraint	0-2439B OFD-121B-3.3	QAL-14	VT-3	NA	24.000 2.000		File no. OSC-512 Page136.1 Prob. No. 3-03-01 Main Feedwater System
D02.020.010	3-03-H6195 Rigid restraint	0-2478 OFD-121D-3.1	QAL-14	VT-3	NA	3.000 0.154		File No. OSC-1224-18 Page No. 39.2 Problem No. 3-03A-14; Aux Service Water Piping
D02.020.016	3-03A-DE070 Rigid restraint	0-2400A OFD-121D-3.1	QAL-14	VT-3	NA	6.000 0.125		File No. OSC-526 Page No. 42; Problem No. 3-03A-09 Emergency Feedwater System
D02.020.023	3-03A-H126 Rigid restraint	0-2400A OFD-121D-3.1	QAL-14	VT-3	NA	6.000 0.125		File No. OSC-526 Page No. 41; Problem No. 3-03A-09 Emergency Feedwater System
D02.020.024	3-03A-H13 Rigid restraint	1-0-2439B OFD-121D-3.1	QAL-14	VT-3	NA	6.000 0.125		File No. OS-519 Page No. 54; Problem No. 3-03A-06 Emergency Feedwater System
D02.020.027	3-03A-H137 Rigid restraint	1-0-2437A OFD-121D-3.1	QAL-14	VT-3	NA	6.000 0.125		File No. OS-524 Page No. 64; Problem No. 3-03A-07 Emergency Feedwater System
D02.020.034	3-03A-H2A Rigid restraint	0-2480A OFD-121D-3.1	QAL-14	VT-3	NA	6.000 0.500		File No. OSC-1224-18 Page No. 40.2; Problem No. 3-03A-14 Aux Service Water Piping
D02.020.041	3-03A-SR163 Rigid restraint	1-0-2401B OFD-121D-3.1	QAL-14	VT-3	NA	6.000 0.500		File No. OSC-527 Page No. 39; Problem No. 3-03A-10 Emergency Feedwater System

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

**Integral Attachment**

**DUKE POWER COMPANY  
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ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIATHK CAL	BLOCKS	COMMENTS
D02.020.065	3-03A-SR134 Rigid restraint	1-0-2437A OFD-121D-3.1	QAL-14	VT-3	NA	6.000 0.500		File No. OS-524 Page No. 64; Problem No. 3-03A-07 Emergency Feedwater System
D02.020.075	3-03A-SR153 Rigid restraint	1-0-2400B OFD-121D-3.1	QAL-14	VT-3	NA	6.000 0.500		File No. OSC-527 Page No. 39; Problem No. 3-03A-10 Emergency Feedwater System
D02.020.079	3-03A-SR189 Rigid restraint	1-0-2437B OFD-121D-3.1	QAL-14	VT-3	NA	6.000 1.000		File No. OSC-527 Page No. 39; Problem No. 3-03A-10 Emergency Feedwater System
D02.020.080	3-03A-SR19 Rigid restraint	1-0-2401A OFD-121D-3.1	QAL-14	VT-3	NA	6.000 1.000		File No. OS-516 Page No. 54; Problem No. 3-03A-04 Emergency Feedwater Pump Discharge
D02.020.087	3-03A-SR9 Rigid restraint	1-0-2401B OFD-121D-3.1	QAL-14	VT-3	NA	6.000 1.000		File No. OSC-513 Page No. 70; Problem No. 3-03A-02 Emergency Feedwater Pump Discharge
D02.020.088	3-04A-H17 Rigid restraint	2-0-2439B OFD-121B-3.5	QAL-14	VT-3	NA	6.000 0.125		File No. OSC-520 Page No. 48.1 Problem No. 3-04A-01; System 04A
D02.020.089	3-04A-H19 Rigid restraint	2-0-2439B OFD-121B-3.5	QAL-14	VT-3	NA	6.000 0.125		File No. OSC-520 Page No. 48.1 Problem No. 3-04A-01; System 04A
D02.020.092	3-04A-SR4 Rigid restraint	2-0-2439B OFD-121B-3.5	QAL-14	VT-3	NA	6.000 1.000		File No. OSC-520 Page No. 48.1 Problem No. 3-04A-01; System 04A
D02.020.104	3-14B-DE007 Rigid restraint	0-2437B OFD-124B-3.1	QAL-14	VT-3	NA	16.000 0.187		File no. OSC-531 Prob. No. 3-14B-3 Page 32 LPSWater Cooler Discharge
D02.020.106	3-14B-DE019 Rigid restraint	0-2437A OFD-124B-3.1	QAL-14	VT-3	NA	12.000 0.187		File no. OSC-1357 Prob. No. 3-14B-07 Page 41 LPSWater

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

**Integral Attachment**

DUKE POWER COMPANY  
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**Inservice Inspection Plan for Interval 3 Outage 1**

ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
D02.020.107	3-14B-DE033 Rigid restraint	0-2439B OFD-124B-3.2	QAL-14	VT-3	NA	8.000 0.237		File No. OSC-535 Page No. 61.1 Problem No. 3-14-6; Low Pressure Service Water
D02.020.108	3-14B-DE043 Rigid restraint	0-2439B OFD-124B-3.4	QAL-14	VT-3	NA	10.000 0.280		File no. 0S-533 Page 61.1 Prob. No. 3-14-05 LPSWater
D02.020.109	3-14B-DE044 Rigid restraint	0-2439B OFD-124B-3.2	QAL-14	VT-3	NA	8.000 0.280		File No. OSC-535 Page No. 62 Problem No. 3-14-6; Low Pressure Service Water
<b>Total D02.020 Items:</b>		<b>23</b>						

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

DUKE POWER COMPANY  
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**Inservice Inspection Plan for Interval 3 Outage 1**

**Integral Attachment**

ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DI/THK	CAL BLOCKS	COMMENTS
<b>**** Spring Type Supports ****</b>								
D02.040.011	3-03A-H187 Spring hanger	1-0-2439A OFD-121D-3.1	QAL-14	VT-3	NA	6.000 0.500		File No. OSC-525 Page No. 44.1 Problem No. 3-03A-08; Emergency Feedwater System
D02.040.015	3-03A-H52 Spring hanger	1-0-2401A OFD-121B-3.3	QAL-14	VT-3	NA	6.000 0.125		File no. OSC-513 Page 71 Prob. No. 3-03A-02 Emergency Feedwater System
D02.040.020	3-07A-H4 Spring hanger	0-2400A OFD-121A-3.7	QAL-14	VT-3	NA	24.000 1.750		File no. OSC-521 Page 120 Prob. No. 3-07-01 Condensate System
D02.040.021	3-07A-H44 Spring hanger	4-0-2402A OFD-121A-3.7	QAL-14	VT-3	NA	24.000 0.187		File no. OSC-521 Page 120 Prob. No. 3-07-01 Condensate System
D02.040.023	3-07A-H7 Spring hanger	4-0-2402A OFD-121A-3.7	QAL-14	VT-3	NA	24.000 1.500		File no. OSC-521 Page 120 Prob. No. 3-07-01 Condensate System
D02.040.032	3-14B-H13 Spring hanger	0-2437A OFD-124B-3.1	QAL-14	VT-3	NA	8.000 0.125		File no. OSC-1357 Prob. No. 3-14B-07 Page 41 LPS Water
D02.040.033	3-14B-H14 Spring hanger	0-2437A OFD-124B-3.1	QAL-14	VT-3	NA	8.000 0.216		File no. OSC-1357 Prob. No. 3-14B-07 Page 41 LPS Water
D02.040.034	3-14B-H16 Spring hanger	0-2439B OFD-124B-3.2	QAL-14	VT-3	NA	14.000 1.500		File No. OSC-535 Page No. 60 Problem No. 3-14-6; Low Pressure Service Water
<b>Total D02.040 Items:</b>		<b>8</b>						
<b>Total Category D-B Items:</b>		<b>31</b>						

**CATEGORY D-C, Systems In Support Of  
RHR From Spent Fuel Storage Pool**

**Integral Attachment**

DUKE POWER COMPANY  
QUALITY ASSURANCE TECHNICAL SERVICES  
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ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
<b>**** Component Supports and Restraints ****</b>								
D03.020.001	3-56-H2 Rigid restraint	5-0-2437A OFD-104A-3.1	QAL-14	VT-3	NA	8.000 0.125		File No. OSC-567 Page No. 40.3 Problem No. 3-56-1; Spent Fuel Cooling
D03.020.002	3-56-SR102 Rigid restraint	1-0-2437A OFD-104A-3.1	QAL-14	VT-3	NA	8.000 0.125		File No. OSC-563 Page No. 93.2 Problem No. 3-56-02; Spent Fuel Cooling
D03.020.003	3-56-SR110 Rigid restraint	1-0-2437A OFD-104A-3.1	QAL-14	VT-3	NA	8.000 0.125		File No. OSC-563 Page No. 92.2 Problem No. 3-56-02; Spent Fuel Cooling
Total D03.020 Items:								3
Total Category D-C Items:								3

**CATEGORY F-A. Supports (Category A)**

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**Inservice Inspection Plan for Interval 3 Outage 1**

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

ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS	
F01.010.004	3-51A-H5A Rigid restraint	0-2479A OFD-101A-3.4	QAL-14	VT-3	NA	2.500 0.375		File No. OSC-1343 Vol.B of C Prob. No. 3-53-10 Page 59 H.P.I. East Coolant Loop	
<b>Total F01.010 Items:</b>		<b>1</b>							
F01.011.005	3-53A-H24C Rigid restraint	0-2479A OFD-100A-3.2	QAL-14	VT-3	NA	1.500 0.250		File No. OSC-1343-06 Vol.A of C Prob.No. 3-53-09 Page 139 Low Pressure Inj. Supply to PZR Spray	
<b>Total F01.011 Items:</b>		<b>1</b>							
F01.012.004	3-51A-H11A Spring hanger	0-2479A OFD-101A-3.4	QAL-14	VT-3	NA	2.500 0.000		File No. OSC-1343 Vol.B of C Prob. No. 3-53-10 Page 58 H.P.I. East Coolant Loop	
<b>Total F01.012 Items:</b>		<b>1</b>							



**CATEGORY F-A, Supports (Category A)**

DUKE POWER COMPANY  
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**Class 2 Weld Connections to Building Structure**

ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
F01.020.003	3-03-H5A Rigid restraint	0-2479A OFD-121B-3.3	QAL-14	VT-3	NA	24.000 0.365		File no. OSC-1335 Page 6(1)-72 Prob. No. 3-03-07 Main Feedwater System
F01.020.005	3-14B-DE040 Rigid restraint	0-2439B OFD-124B-3.2	QAL-14	VT-3	NA	8.000 0.000		File No. OSC-535 Page No. 61.1 Problem No. 3-14-6; Low Pressure Service Water
F01.020.006	3-14B-H11F Rigid restraint	0-2479A OFD-124B-3.2	QAL-14	VT-3	NA	8.000 0.000		File No. OSC-1344-06 Page No. 6(6) 41 Problem No. 3-14B-13; System 14B
F01.020.007	3-14B-H16A Rigid restraint	0-2479A OFD-124B-3.2	QAL-14	VT-3	NA	8.000 0.000		File No. OSC-1344-06 Page No. 6(2) 38 Problem No. 3-14B-08; System 14B
F01.020.008	3-51A-DE030 Rigid restraint	0-2438C OFD-101A-3.4	QAL-14	VT-3	NA	4.000 0.000		File No. OSC-544 Prob. No. 3-51-07 Page 59 H.P.I. to Reactor Coolant Pump Seals
								SWAY STRUT to Other
F01.020.013	3-51A-H17C Rigid restraint	0-2479A OFD-101A-3.1	QAL-14	VT-3	NA	2.500 0.145		File No. OSC-1660-01 Sht. 5of 5 Prob.No.3-51-14 R.C. Pump Piping to H.P. Inj. Letdown Coolers
F01.020.014	3-51A-H240 Rigid restraint	1-0-2439A OFD-101A-3.4	QAL-14	VT-3	NA	4.000 0.000		File No. OSC-541 Prob. No. 3-51-4 Page 63 H.P.I.to Reactor Coolant Loop "A"
								SWAY STRUT to Other
F01.020.015	3-51A-H241 Rigid restraint	1-0-2439A OFD-101A-3.4	QAL-14	VT-3	NA	2.500 0.154		File No. OSC-541 Prob. No. 3-51-4 Page 63 H.P.I.to Reactor Coolant Loop "A"
F01.020.016	3-51A-H314 Rigid restraint	1-0-2439A OFD-101A-3.4	QAL-14	VT-3	NA	4.000 0.000		File No. OSC-541 Prob. No. 3-51-04 Page 66 H.P.I.to Reactor Coolant Loops "A" & "B"
								SWAY STRUT to Other
F01.020.017	3-51A-RJ-1000 Rigid restraint	0-2478A OFD-101A-3.1	QAL-14	VT-3	NA	2.500 0.375		File No. OSC-1660-01 Sht. 5of 5 Prob.No.3-51-14 R.C. Pump Piping to H.P. Inj. Letdown Coolers

**CATEGORY F-A, Supports (Category A)**

DUKE POWER COMPANY  
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**Class 2 Weld Connections to Building Structure**

ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIATHK	CAL BLOCKS	COMMENTS
F01.020.031	3-54A-H46 Rigid restraint	3-0-2436D OFD-103A-3.1	QAL-14	VT-3	NA	8.000 0.125		File No. OSC-554 Page No. 47.1 Problem No. 3-54-01; Reactor Bid Spray
F01.020.039	3-56-H14 Rigid restraint	0-2478A OFD-104A-3.1	QAL-14	VT-3	NA	8.000 0.125		File No. OSC-1339 Page No. 81 Problem No. 3-56-03; Spent Fuel Cooling

**Total F01.020 Items: 12**

F01.022.017	3-54A-SR7 Hyd snubber	3-0-2435B OFD-103A-3.1	QAL-14	VT-3	NA	8.000 1.000		File No. OSC-555 Page No. 42.1 Problem No. 3-54-02
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**Total F01.022 Items: 1**

**CATEGORY F-A, Supports (Category A)**

DUKE POWER COMPANY  
 QUALITY ASSURANCE TECHNICAL SERVICES  
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**Class 3 Weld/Mech Conns at Inter Joints in  
 Multiconn Int & Nonint Supp**

ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
F01.030.002	3-03-H54 Rigid restraint	0-2439B OFD-121B-3.3	QAL-14	VT-3	NA	24.000 2.000		File no. OSC-512 Page136.1 Prob. No. 3-03-01 Main Feedwater System
F01.030.012	3-03A-H126 Rigid restraint	0-2400A OFD-121D-3.1	QAL-14	VT-3	NA	6.000 0.125		File No. OSC-526 Page No. 41 Problem No. 3-03A-09 Emergency Feedwater System
F01.030.013	3-03A-H13 Rigid restraint	1-0-2439B OFD-121D-3.1	QAL-14	VT-3	NA	6.000 0.125		File No. OS-519 Page No. 54 Problem No. 3-03A-06 Emergency Feedwater System
F01.030.016	3-03A-H137 Rigid restraint	1-0-2437A OFD-121D-3.1	QAL-14	VT-3	NA	6.000 0.125		File No. OS-524 Page No. 64 Problem No. 3-03A-07 Emergency Feedwater System
F01.030.019	3-04A-SR4 Rigid restraint	2-0-2439B OFD-121B-3.5	QAL-14	VT-3	NA	6.000 1.000		File No. OSC-520 Page No. 48.1 Problem No. 3-04A-01 System 04A
F01.030.027	3-08-H10 Rigid restraint	0-2400A OFD-122A-3.4	QAL-14	VT-3	NA	10.000 0.000		File no. OSC-1808 Sht 2 of 2 Prob. No. 3-08-1 Page 36 Emergency F.W. Pump Turbine Exh. to Condenser
				SWAY STRUT to Other				
F01.030.028	3-14B-DE007 Rigid restraint	0-2437B OFD-124B-3.1	QAL-14	VT-3	NA	16.000 0.187		File no. OSC-531 Prob. No. 3-14B-3 Page 32 LPSWater Cooler Discharge
F01.030.029	3-14B-DE019 Rigid restraint	0-2437A OFD-124B-3.1	QAL-14	VT-3	NA	12.000 0.187		File no. OSC-1357 Prob. No. 3-14B-07 Page 41 LPSWater
F01.030.030	3-14B-DE033 Rigid restraint	0-2439B OFD-124B-3.2	QAL-14	VT-3	NA	8.000 0.237		File No. OSC-535 Page No. 61.1 Problem No. 3-14-6 Low Pressure Service Water
F01.030.031	3-14B-DE043 Rigid restraint	0-2439B OFD-124B-3.4	QAL-14	VT-3	NA	10.000 0.280		File no. OS-533 Page 61.1 Prob. No. 3-14-05 LPS Water

**CATEGORY F-A, Supports (Category A)**

DUKE POWER COMPANY  
 QUALITY ASSURANCE TECHNICAL SERVICES  
 Inservice Inspection Database Management System  
 Oconee Unit 3

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

Inservice Inspection Plan for Interval 3 Outage 1

ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
F01.030.032	3-14B-DE044 Rigid restraint	0-2439B OFD-124B-3.2	QAL-14	VT-3	NA	8.000 0.280		File No. OSC-535 Page No. 62 Problem No. 3-14-6 Low Pressure Service Water
F01.030.034	3-56-H2 Rigid restraint	5-0-2437A OFD-104A-3.1	QAL-14	VT-3	NA	8.000 0.125		File No. OSC-567 Page No. 40.3 Problem No. 3-56-1 Spent Fuel Cooling
F01.030.035	3-56-SR102 Rigid restraint	1-0-2437A OFD-104A-3.1	QAL-14	VT-3	NA	8.000 0.125		File No. OSC-563 Page No. 93.2 Problem No. 3-56-02 Spent Fuel Cooling
F01.030.036	3-56-SR110 Rigid restraint	1-0-2437A OFD-104A-3.1	QAL-14	VT-3	NA	8.000 0.125		File No. OSC-563 Page No. 92.2 Problem No. 3-56-02 Spent Fuel Cooling

**Total F01.030 Items: 14**

F01.031.001	3-01A-LC-1603 Rigid restraint	0-2403D OFD-122A-3.4	QAL-14	VT-3	NA	6.000 0.187		File no. OSC-510 Sht 1of3 Prob. No. 3-01A-04 Main Steam to Emergency F.W. Pump
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**Total F01.031 Items: 1**

F01.032.007	3-03A-H52 Spring hanger	1-0-2401A OFD-121B-3.3	QAL-14	VT-3	NA	6.000 0.125		File no. OSC-513 Page71 Prob. No. 3-03A-02 Emergency Feedwater System
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**Total F01.032 Items: 1**

**CATEGORY F-A Supports**

DUKE POWER COMPANY  
QUALITY ASSURANCE TECHNICAL SERVICES  
Inservice Inspection Database Management System  
Oconee Unit 3

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Inservice Inspection Plan for Interval 3 Outage 1

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

ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
F01.040.003	3-PZR-SUPPORT	0M 2201-229 ISI-OCN3-002 B&W 149778E	QAL-14	VT-3	NA	0.000 0.000		Pressurizer Support Class A
F01.040.004	3-LDCA-SUPPORT	0M 201-3107	QAL-14	VT-3	NA	0.000 0.000		3A Letdown Cooler Support Class C
F01.040.005	3-DHRC-A-SUPPORT	0M 2201-227	QAL-14	VT-3	NA	0.000 0.000		3A Decay Heat Removal Support Class B

Total F01.040 Items: 3

Total Category F-A Items: 35



**CATEGORY AUG, Augmented Inspections**

DUKE POWER COMPANY  
 QUALITY ASSURANCE TECHNICAL SERVICES  
 Inservice Inspection Database Management System  
 Oconee Unit 3

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**Inservice Inspection Plan for Interval 3 Outage 1**

NRC Bulletin 88-08

ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
G04.001.001	3-51A-61-43 Circumferential	3-51A-61 OFD-101A-3.4	NDE-600	UT	SS	2.500	40378 0.375	Inspect 100% of weld & 1" of Base Metal (axial & circ.). Reference Section 7 Paragraph 7.1.4 of the ISI Plan Valve (Valve 3HP-153) to Pipe
G04.001.003	3-51A-61-44A Circumferential Stress weld	3-51A-61 OFD-101A-3.4	NDE-600	UT	SS	2.500	40378 0.375	Inspect 100% of weld & 1" of Base Metal (axial & circ.). Reference Section 7 Paragraph 7.1.4 of the ISI Plan Pipe to Nozzle (Nozzle on 3B1 Disc Line)
G04.001.005	3-51A-62-26 Circumferential Stress weld	3-51A-62 OFD-101A-3.4	NDE-600	UT	SS	2.500	40378 0.375	Inspect 100% of weld & 1" of Base Metal (axial & circ.). Reference Section 7 Paragraph 7.1.4 of the ISI Plan Pipe to Nozzle (Nozzle on 3B2 Disc Line)

Total G04.001 Items: 3

Total Category AUG Items: 3

**CATEGORY AUG. Augmented Inspections**

DUKE POWER COMPANY  
 QUALITY ASSURANCE TECHNICAL SERVICES  
 Inservice Inspection Database Management System  
 Oconee Unit 3

Plan Report  
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Inservice Inspection Plan for Interval 3 Outage 1

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

ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS	
G09.001.003	3-51A-50-68 Circumferential	3-51A-50 OFD-101A-3.3	NDE-35	PT	SS	6.000 0.280		Pipe to Reducer	
G09.001.022	3-53B-51-23 Circumferential	3-53B-51 OFD-102A-3.2	NDE-35	PT	SS	10.000 0.250		Reducer to Pipe	
G09.001.023	3-54A-10-14 Circumferential Term end	3-54A-10 OFD-102A-3.1 OFD-103A-3.1	NDE-35	PT	SS	8.000 0.250		Elbow to Flange	
<b>Total G09.001 Items:</b>		<b>3</b>							
<b>Total Category AUG Items:</b>		<b>3</b>							



CATEGORY

DUKE POWER COMPANY  
 QUALITY ASSURANCE TECHNICAL SERVICES  
 Inservice Inspection Database Management System  
 Oconee Unit 3

Inservice Inspection Plan for Interval 3 Outage 1

ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
G11.001.001	3RCP-3A2	OM-1201-1217 OFD-100A-3.1	QAL-13	VT-1	SS	0.000 0.000		Inspect Flg. Joint, Studs and Adj. area Per Req. for Relief ONS-011. Ref. Section 7 Paragraph 7.1.11 of the ISI Plan - Volume 1. RCP 3A2 Main Flange ; Each refueling outage the flange
G11.001.002	3RCP-3B1	OM-1201-1217 OFD-100A-3.1	QAL-13	VT-1	SS	0.000 0.000		Inspect Flg. Joint, Studs and Adj. area Per Req. for Relief ONS-011. Ref. Section 7 Paragraph 7.1.11 of the ISI Plan - Volume 1. RCP 3B1 Main Flange ; Each refueling outage the flange

Total G11.001 Items: 2

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Total Category Items: 2

Duke Power Company  
Quality Assurance Technical Services  
Inservice Inspection Plan For:  
Oconee Unit 3  
Interval 3  
ISI Outage 1  
Refueling Outage EOC 15

**Pressure Test Listing**

Revision 0

Run Date: April 26, 1994

OCONEE UNIT NUMBER 3  
CLASS A (CATEGORY 1), REQUIREMENTS  
FOR OUTAGE NUMBER 15

<u>ITEM NO.</u>	<u>DRAWING</u>	<u>REV</u>	<u>TEST</u>	<u>COMP</u>	<u>COMP NAME</u>	<u>REQ. INSP</u>	<u>REQ. PROC</u>	<u>COMMENTS</u>
B15.050.001	SEE COMMENTS	N/A	LEAK	VARIOUS	RC SYSTEM	VT-2	QAL-15	Drawings that make up the Class A Leakage Boundary: OFDL-100A-3.1, OFDL-100A-3.2, OFDL-100A-3.3, OFDL-101A-3.1, OFDL-101A-3.4, OFDL-101A-3.5, OFDL-102A-3.1, OFDL-102A-3.2, OFDL-102A-3.3, OFDL-110A-3.1, OFDL-110A-3.4, OFDL-127B-3.2

OCONEE UN. MEMBER 3  
CLASS B (CATEGORY 1) REQUIREMENTS  
FOR OUTAGE NUMBER 15

ITEM NO.	DRAWING	REV	TEST	COMP	COMP NAME	REQ. INSP	REQ. PROC	COMMENTS
C07.030.001	OFDL-101A-3.1	00	INS/FUN	VARIOUS	HPI SYSTEM	VT-2	QAL-15	Penetrations 6 and 7
C07.030.002	OFDL-101A-3.2	00	INSER	VARIOUS	HPI SYSTEM	VT-2	QAL-15	
C07.030.003	OFDL-101A-3.3	00	INSER	VARIOUS	HPI SYSTEM	VT-2	QAL-15	
C07.030.004	OFDL-101A-3.4	00	INS/FUN	VARIOUS	HPI SYSTEM	VT-2	QAL-15	Penetrations 8, 9, 10, 23 and 52
C07.030.005	OFDL-101A-3.5	00	INSER	VARIOUS	HPI SYSTEM	VT-2	QAL-15	
C07.030.006	OFDL-102A-3.1	00	INS/FUN	VARIOUS	LPI SYSTEM	VT-2	QAL-15	Penetrations 36, 37 and 62
C07.030.007	OFDL-102A-3.2	00	INS/FUN	VARIOUS	LPI SYSTEM	VT-2	QAL-15	Penetrations 15 and 16
C07.030.008	OFDL-102A-3.3	00	FUNCT	VARIOUS	LPI SYSTEM	VT-2	QAL-15	Penetrations 39 and 59
C07.030.009	OFDL-103A-3.1	00	FUNCT	VARIOUS	BS SYSTEM	VT-2	QAL-15	
C07.030.010	OFDL-104A-3.1	00	FUNCT	VARIOUS	SF SYSTEM	VT-2	QAL-15	Penetration 56
C07.030.011	OFDL-104A-3.2	00	INSER	VARIOUS	SF SYSTEM	VT-2	QAL-15	
C07.030.012	OFDL-106E-3.1	00	FUNCT	VARIOUS	DW SYSTEM	VT-2	QAL-15	Penetrations 46 and 55
C07.030.013	OFDL-107A-3.1	00	FUNCT	VARIOUS	CS SYSTEM	VT-2	QAL-15	Penetrations 18 and 38
C07.030.014	OFDL-107A-3.2	00	FUNCT	VARIOUS	CS SYSTEM	VT-2	QAL-15	Penetration 29
C07.030.015	OFDL-107B-3.1	00	FUNCT	VARIOUS	LWD SYSTEM	VT-2	QAL-15	Penetration 5
C07.030.016	OFDL-107D-3.2	00	FUNCT	VARIOUS	LWD SYSTEM	VT-2	QAL-15	Penetration 40
C07.030.017	OFDL-110A-3.1	00	INS/FUN	VARIOUS	CA SYSTEM	VT-2	QAL-15	Penetrations 2 and 58
C07.030.018	OFDL-110A-3.3	00	FUNCT	VARIOUS	CA SYSTEM	VT-2	QAL-15	Penetrations 24 and 42
C07.030.019	OFDL-110A-3.4	00	FUNCT	VARIOUS	CA SYSTEM	VT-2	QAL-15	
C07.030.020	OFDL-116A-3.1	00	FUNCT	VARIOUS	PR SYSTEM	VT-2	QAL-15	Penetrations 19 and 20

OCONEE UNIT NUMBER 3  
CLASS B (CATEGORY 1) REQUIREMENTS  
FOR OUTAGE NUMBER 15

ITEM NO.	DRAWING	REV	TEST	COMP	COMP NAME	REQ. INSP	REQ. PROC	COMMENTS
C07.030.021	OFDL-116C-3.1	00	FUNCT	VARIOUS	PR SYSTEM	VT-2	QAL-15	Penetrations 60 and 61
C07.030.022	OFDL-121B-3.3	00	INS/FUN	VARIOUS	FDW SYSTEM	VT-2	QAL-15	Penetrations 25 and 27
C07.030.023	OFDL-121B-3.5	00	FUNCT	VARIOUS	FDW SYSTEM	VT-2	QAL-15	Penetrations 4 and 43
C07.030.024	OFDL-121D-1.2	02	FUNCT	VARIOUS	EFW SYSTEM	VT-2	QAL-15	
C07.030.025	OFDL-121D-3.1	00	FUNCT	VARIOUS	EFW SYSTEM	VT-2	QAL-15	Penetrations 17 and 50
C07.030.026	OFDL-122A-3.1	00	INSER	VARIOUS	MS SYSTEM	VT-2	QAL-15	Penetrations 26 and 28
C07.030.027	OFDL-122A-3.2	00	INSER	VARIOUS	MS SYSTEM	VT-2	QAL-15	
C07.030.028	OFDL-122A-3.3	00	INSER	VARIOUS	MS SYSTEM	VT-2	QAL-15	
C07.030.029	OFDL-122A-3.4	00	INSER	VARIOUS	MS SYSTEM	VT-2	QAL-15	
C07.030.030	OFDL-122B-3.1	00	INSER	VARIOUS	MS SYSTEM	VT-2	QAL-15	
C07.030.031	OFDL-124B-3.2	00	FUNCT	VARIOUS	LPSW SYSTEM	VT-2	QAL-15	Penetrations 30, 31, 32, 33, 34 and 35
C07.030.032	OFDL-124B-3.4	00	INSER	VARIOUS	LPSW SYSTEM	VT-2	QAL-15	Penetrations 21 and 22
C07.030.033	OFDL-127B-3.2	00	FUNCT	VARIOUS	N SYSTEM	VT-2	QAL-15	Penetrations 39 and 53
C07.030.034	OFDL-137A-3.3	00	FUNCT	VARIOUS	BA SYSTEM	VT-2	QAL-15	Penetration 48
C07.030.035	OFDL-137B-1.2	01	FUNCT	VARIOUS	IA SYSTEM	VT-2	QAL-15	Penetration 41
C07.030.036	OFDL-144A-3.2	00	FUNCT	VARIOUS	CC SYSTEM	VT-2	QAL-15	Penetrations 3 and 54
C07.030.037	OFDL-144A-3.3	00	FUNCT	VARIOUS	CC SYSTEM	VT-2	QAL-15	Penetration 44

OCONEE UNIT NUMBER 3  
CLASS C (CATEGORY 2) REQUIREMENTS  
FOR OUTAGE NUMBER 15

ITEM NO.	DRAWING	REV	TEST	COMP	COMP NAME	REQ. INSP	REQ. PROC	COMMENTS
D01.011.001	OFDL-100A-3.3	00	INSER	VARIOUS	RC SYSTEM	VT-2	QAL-15	
D01.011.002	OFDL-101A-3.1	00	INSER	VARIOUS	HPI SYSTEM	VT-2	QAL-15	
D01.011.003	OFDL-101A-3.2	00	INSER	VARIOUS	HPI SYSTEM	VT-2	QAL-15	
D01.011.004	OFDL-101A-3.3	00	INSER	VARIOUS	HPI SYSTEM	VT-2	QAL-15	
D01.011.005	OFDL-101A-3.4	00	INSER	VARIOUS	HPI SYSTEM	VT-2	QAL-15	
D01.011.006	OFDL-101A-3.5	00	INSER	VARIOUS	HPI SYSTEM	VT-2	QAL-15	
D01.011.007	OFDL-102A-3.1	00	INSER	VARIOUS	LPI SYSTEM	VT-2	QAL-15	
D01.011.008	OFDL-102A-3.2	00	INSER	VARIOUS	LPI SYSTEM	VT-2	QAL-15	
D01.011.009	OFDL-106A-3.2	00	INSER	VARIOUS	CT SYSTEM	VT-2	QAL-15	
D01.011.010	OFDL-109A-3.1	00	INSER	VARIOUS	HP SYSTEM	VT-2	QAL-15	
D01.011.011	OFDL-110A-3.1	00	INSER	VARIOUS	CA SYSTEM	VT-2	QAL-15	
D01.011.012	OFDL-110A-3.4	00	INSER	VARIOUS	CA SYSTEM	VT-2	QAL-15	
D01.011.013	OFDL-144A-3.2	00	INSER	VARIOUS	CC SYSTEM	VT-2	QAL-15	

OCONEE UN. MEMBER 3  
CLASS C (CATEGORY 2) REQUIREMENTS  
FOR OUTAGE NUMBER 15

ITEM NO.	DRAWING	REV	TEST	COMP	COMP NAME	REQ. INSP	REQ. PROC	COMMENTS
D02.011.001	OFDL-121A-1.8	02	FUNCT	VARIOUS	C SYSTEM	VT-2	QAL-15	
D02.011.002	OFDL-121A-3.3	00	FUNCT	VARIOUS	C SYSTEM	VT-2	QAL-15	
D02.011.003	OFDL-121A-3.7	00	FUNCT	VARIOUS	C SYSTEM	VT-2	QAL-15	
D02.011.004	OFDL-121A-3.8	00	FUNCT	VARIOUS	C SYSTEM	VT-2	QAL-15	
D02.011.005	OFDL-121B-3.3	00	FUNCT	VARIOUS	FDW SYSTEM	VT-2	QAL-15	
D02.011.006	OFDL-121B-3.5	00	FUNCT	VARIOUS	FDW SYSTEM	VT-2	QAL-15	
D02.011.007	OFDL-121D-3.1	00	FUNCT	VARIOUS	EFW SYSTEM	VT-2	QAL-15	
D02.011.008	OFDL-133A-2.5	01	FUNCT	VARIOUS	CCW SYSTEM	VT-2	QAL-15	
D02.011.009	OFDL-122A-3.4	00	FUNCT	VARIOUS	MS SYSTEM	VT-2	QAL-15	
D02.011.010	OFDL-124A-1.1	02	FUNCT	VARIOUS	LPSW SYSTEM	VT-2	QAL-15	
D02.011.011	OFDL-124A-3.1	00	FUNCT	VARIOUS	LPSW SYSTEM	VT-2	QAL-15	
D02.011.012	OFDL-124A-3.3	00	FUNCT	VARIOUS	LPSW SYSTEM	VT-2	QAL-15	
D02.011.013	OFDH-124B-3.1	00	FUNCT	VARIOUS	LPSW SYSTEM	VT-2	QAL-15	
D02.011.014	OFDL-124B-3.2	00	FUNCT	VARIOUS	LPSW SYSTEM	VT-2	QAL-15	
D02.011.015	OFDL-124B-3.4	00	FUNCT	VARIOUS	LPSW SYSTEM	VT-2	QAL-15	
D02.011.016	OFDL-124C-3.2	00	FUNCT	VARIOUS	HPSW SYSTEM	VT-2	QAL-15	
D02.011.017	OFDL-133A-3.1	00	FUNCT	VARIOUS	CCW SYSTEM	VT-2	QAL-15	
D02.011.018	OFDL-133A-3.2	00	FUNCT	VARIOUS	CCW SYSTEM	VT-2	QAL-15	
D02.011.019	OFDL-133A-3.3	00	FUNCT	VARIOUS	CCW SYSTEM	VT-2	QAL-15	
D02.011.020	OFDL-133A-3.4	00	FUNCT	VARIOUS	CCW SYSTEM	VT-2	QAL-15	

OCONEE UNIT NUMBER 3  
CLASS C (CATEGORY 1) REQUIREMENTS  
FOR OUTAGE NUMBER 15

<u>ITEM NO.</u>	<u>DRAWING</u>	<u>REV</u>	<u>TEST</u>	<u>COMP</u>	<u>COMP NAME</u>	<u>REQ. INSP</u>	<u>REQ. PROC</u>	<u>COMMENTS</u>
D03.011.001	OFDL-104A-3.1	00	INSER	VARIOUS	SF SYSTEM	VT-2	QAL-15	
D03.011.002	OFDL-104A-3.2	00	INSER	VARIOUS	SF SYSTEM	VT-2	QAL-15	



Duke Power Company  
Quality Assurance Technical Services  
Inservice Inspection Plan For:

Oconee Unit 3

Interval 3

ISI Outage 2

Refueling Outage EOC 16

**ISI Inspection Listing**

Revision 0

Run Date: May 11, 1994

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

■ Piping

DUKE POWER COMPANY  
QUALITY ASSURANCE TECHNICAL SERVICES  
Inservice Inspection Database Management System  
Oconee Unit 3  
Inservice Inspection Plan for Interval 3 Outage 2

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ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
<b>**** NPS 4 or Larger; Dissimilar Metal Butt Welds ****</b>								
B05.130.005	3-PIA2-7	ISI-OCN3-008 OFD-100A-3.1	NDE-610	UT	SS/CS	33.500	40350 2.330	UT from Pipe Side
	Circumferential			Pipe to Safe End				
B05.130.005A	3-PIA2-7	ISI-OCN3-008 OFD-100A-3.1	NDE-610	UT	SS/CS	33.500	40397 2.330	UT from Safe End Side
	Circumferential			Pipe to Safe End				
B05.130.005B	3-PIA2-7	ISI-OCN3-008 OFD-100A-3.1	NDE-35	PT	SS/CS	33.500	2.330	
	Circumferential			Pipe to Safe End				
<b>Total B05.130 Items:</b>		<b>3</b>						

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

DUKE POWER COMPANY  
QUALITY ASSURANCE TECHNICAL SERVICES  
Inservice Inspection Database Management System  
Oconee Unit 3

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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
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---- Less Than NPS 4; Dissimilar Metal Butt Welds ----

B05.140.001	3-50-20-9 Circumferential	3-50-20 OFD-100A-3.1	NDE-35	PT	SS/Inconel	1.500 0.281		Elbow to Nozzle
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Total B05.140 Items: 1

Total Category B-F Items: 4

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

**Pressurizer**

DUKE POWER COMPANY  
QUALITY ASSURANCE TECHNICAL SERVICES  
Inservice Inspection Database Management System  
Oconee Unit 3

Inservice Inspection Plan for Interval 3 Outage 2

Plan Report  
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ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
---- Flange Surface, when connection disassembled ----								
B06.070.001	3PZR-MW-FLANGE	25483F B&W 149793E	QAL-13	VT-1	CS	0.000 0.000		PZR Manway Flange Surface;Includes 1"Annular Surface surrounding each stud.Inspect when connection is disassembled.

Total B06.070 Items: 1

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

DUKE POWER COMPANY  
QUALITY ASSURANCE TECHNICAL SERVICES  
Inservice Inspection Database Management System  
Oconee Unit 3

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**Inservice Inspection Plan for Interval 3 Outage 2**

Pumps

ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
<b>.... Bolts and Studs ....</b>								
B06.180.001	3RCP-3A1-F	OM-1201D-0057 OM-1201D-0059	NDE-942	UT	CS	3.750 TBD 0.000		RCP 3A1 Main Flange Studs (20). Stud Length=32.00"
B06.180.002	3RCP-3A2-F	OM-1201D-0057 OM-1201D-0059	NDE-942	UT	CS	3.750 TBD 0.000		RCP 3A2 Main Flange Studs (20). Stud Length=32.00"
B06.180.007	3RCP-3B1-S	OM-1201D-0057 OM-1201D-0059	NDE-942	UT	CS	2.250 TBD 0.000		RCP 3B1 Seal Gland Bolts (8). Stud Length=11.750"
<b>Total B06.180 Items:</b>		<b>3</b>						

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

**Pumps**

DUKE POWER COMPANY  
QUALITY ASSURANCE TECHNICAL SERVICES  
Inservice Inspection Database Management System  
Oconee Unit 3

Inservice Inspection Plan for Interval 3 Outage 2

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ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
**** Flange Surface, when connection disassembled ****								
B06.190.001	3RCP-3A1-FLANGE	OM-1201D-0005 OM-1201D-0057	QAL-13	VT-1	SS	0.000 0.000		RCP 3A1 Main Flange 1" Annular Surface of Flange Surrounding each Stud.(insp. only if disass.)
B06.190.002	3RCP-3A2-FLANGE	OM-1201D-0005 OM-1201D-0057	QAL-13	VT-1	SS	0.000 0.000		RCP 3A2 Main Flange 1" Annular Surface of Flange Surrounding each Stud.(insp. only if disass.)
B06.190.003	3RCP-3B1-FLANGE	OM-1201D-0005 OM-1201D-0057	QAL-13	VT-1	SS	0.000 0.000		RCP 3B1 Main Flange 1" Annular Surface of Flange Surrounding each Stud.(insp. only if disass.)
B06.190.004	3RCP-3B2-FLANGE	OM-1201D-0005 OM-1201D-0057	QAL-13	VT-1	SS	0.000 0.000		RCP 3B2 Main Flange 1" Annular Surface of Flange Surrounding each Stud.(insp. only if disass.)
Total B06.190 Items:		4						

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

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Pumps

ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIATHK	CAL BLOCKS	COMMENTS
<b>**** Nuts, Bushings, and Washers ****</b>								
B06.200.001	3RCP-3A1-NUTS	OM-1201D-0059 OM-1201D-0057	QAL-13	VT-1	CS	0.000 0.000		RCP 3A1 Main Flg. Nuts,Washers,& Bushings
B06.200.002	3RCP-3A2-NUTS	OM-1201D-0059 OM-1201D-0057	QAL-13	VT-1	CS	0.000 0.000		RCP 3A2 Main Flg. Nuts,Washers,& Bushings
B06.200.007	3RCP-3B1-NUTS	OM-1201D-0059 OM-1201D-0057	QAL-13	VT-1	NA	0.000 0.000		RCP 3B1 Seal Gland Nuts,Washers

Total B06.200 Items: 3

Total Category B-G-1 Items: 11

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

Steam Generators

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ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
**** Bolts, Studs, and Nuts ****								
B07.030.005	3SGA-UHIC-BOLTS	B&W 145470E	QAL-13	VT-1	CS	1.000 0.000		Steam Generator 3A Upper Head Inspection Cover Bolting

Total B07.030 Items: 1



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

Piping

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ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
**** Bolts, Studs, and Nuts ****								
B07.050.002	3PZR-RC66-BOLT	OM-2201-0229	QAL-13	VT-1	CS	1.125 0.000		PZR Relief Valve 3RC-66 Nozzle Flange Bolting (Between W&Z Axis)
B07.050.003	3PZR-RC67-BOLT	OM-2201-0229	QAL-13	VT-1	CS	1.125 0.000		PZR Relief Valve 3RC-67 Nozzle Flange Bolting (Between W&X Axis)
B07.050.004	3PZR-RC68-BOLT	OM-2201-0229	QAL-13	VT-1	CS	1.125 0.000		PZR Relief Valve 3RC-68 Nozzle Flange Bolting (Nozzle located 15 Degrees off of Y Axis)
Total B07.050 Items:		3						

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

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Valves

ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
**** Bolts, Studs, and Nuts ****								
B07.070.001	3-53A-CF11	OM-245-001	QAL-13	VT-1	NA	0.000 0.000		Core Flood A; Valve 3CF-11 Bolting;
B07.070.002	3-53A-CF12	OM-245-001	QAL-13	VT-1	NA	0.000 0.000		Core Flood A; Valve 3CF-12 Bolting;
B07.070.005	3-53A-LP47	OM-245-001	QAL-13	VT-1	NA	0.000 0.000		Low Pressure Injection Valve 3LP-47 Bolting; A Side
B07.070.012	3-50-RC67	OM-201-199	QAL-13	VT-1	NA	0.000 0.000		Pressurizer Relief Valve 3-RC67 Bolting
B07.070.013	3-50-RC68	OM-201-199	QAL-13	VT-1	NA	0.000 0.000		Pressurizer Relief Valve 3-RC68 Bolting

Total B07.070 Items: 5

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

**CRD Housings**

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ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
<b>**** Bolts, Studs, and Nuts ****</b>								
B07.080.001	3-RPV-CRD-BOLTS	B&W 149902E B&W 149919E	QAL-13	VT-1	NA	0.000 0.000		Inspect Only If Disassembled; See Request for Relief ONS-004 & ONS-005; 8 bolts per CRD Housing; (14 Connections inspected up to this Date)
B07.080.002	3-RPV-CRD-RINGS	B&W 149902E B&W 149919E	QAL-13	VT-1	NA	0.000 0.000		Inspect Only If Disassembled; See Request for Relief ONS-004 & ONS-005; 1 Pair per CRD Housing; (14 Connections inspected up to this date)

Total B07.080 Items: 2

Total Category B-G-2 Items: 11

**CATEGORY B-J, Pressure Retaining Welds  
In Piping**  
NPS 4 or Larger

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ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DI/THK	CAL BLOCKS	COMMENTS
---- Circumferential Welds ----								
B09.011.006	3-PIA1-4 Circumferential Stress weld	ISI-OCN3-007 OFD-100A-3.1	NDE-600	UT	CS	33.500 2.330	40350	Inspect with item number B09.012.001 & B09.012.002  Pipe to Elbow
B09.011.006A	3-PIA1-4 Circumferential Stress weld	ISI-OCN3-007 OFD-100A-3.1	NDE-25	MT	CS	33.500 2.330		Inspect with item number B09.012.001A & B09.012.002A  Pipe to Elbow
B09.011.008	3-PIA2-1 Circumferential Term end	ISI-OCN3-008 OFD-100A-3.1	NDE-600	UT	CS	33.500 2.330	40350	Nozzle (S/G 3A Outlet Nozzle) to Pipe
B09.011.008A	3-PIA2-1 Circumferential Term end	ISI-OCN3-008 OFD-100A-3.1	NDE-25	MT	CS	33.500 2.330		Nozzle (S/G 3A Outlet Nozzle) to Pipe
B09.011.010	3-PIA2-8 Circumferential Term end	ISI-OCN3-008 OFD-100A-3.1	NDE-600	UT	CS	33.500 2.330	40350	Safe End to Nozzle (RCP 3A2 Suction)
B09.011.010A	3-PIA2-8 Circumferential Term end	ISI-OCN3-008 OFD-100A-3.1	NDE-25	MT	CS	33.500 2.330		Safe End to Nozzle (RCP 3A2 Suction)
B09.011.013	3-PIB1-8 Circumferential Term end	ISI-OCN3-009 OFD-100A-3.1	NDE-600	UT	SS	33.500 2.330	40397	Safe End to Nozzle (RCP 3B1 Suct Nozzle)
B09.011.013A	3-PIB1-8 Circumferential Term end	ISI-OCN3-009 OFD-100A-3.1	NDE-35	PT	SS	33.500 2.330		Safe End to Nozzle (RCP 3B1 Suct Nozzle)
B09.011.041	3-53A-15-47 Circumferential	3-53A-15 (2) OFD-102A-3.2 OFD-102A-3.3	NDE-600	UT	SS	10.000 1.000	40399	Pipe to Elbow
B09.011.041A	3-53A-15-47 Circumferential	3-53A-15 (2) OFD-102A-3.2 OFD-102A-3.3	NDE-35	PT	SS	10.000 1.000		Pipe to Elbow

**CATEGORY B-J, Pressure Retaining Welds  
In Piping**  
NPS 4 or Larger

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ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
B09.011.042	3-53A-15-50 Circumferential	3-53A-15 (2) OFD-102A-3.2 OFD-102A-3.3	NDE-600	UT	SS	10.000	40399 1.000	Elbow to Pipe
B09.011.042A	3-53A-15-50 Circumferential	3-53A-15 (2) OFD-102A-3.2 OFD-102A-3.3	NDE-35	PT	SS	10.000	1.000	Elbow to Pipe
<b>Total B09.011 Items:</b>		<b>12</b>						
<b>.... Longitudinal Welds ....</b>								
B09.012.001	3-PIA1-62LI Longitudinal	ISI-OCN3-007 OFD-100A-3.1	NDE-600	UT	CS	34.750	40350 2.330	Inspect with item number B09.011.006 PC 62R to PC 62L
B09.012.001A	3-PIA1-62LI Longitudinal	ISI-OCN3-007 OFD-100A-3.1	NDE-25	MT	CS	34.750	2.330	Inspect with item number B09.011.006A PC 62R to PC 62L
B09.012.002	3-PIA1-62LO Longitudinal	ISI-OCN3-007 OFD-100A-3.1	NDE-600	UT	CS	34.750	40350 2.330	Inspect with item number B09.011.006 PC 62R to PC 62L
B09.012.002A	3-PIA1-62LO Longitudinal	ISI-OCN3-007 OFD-100A-3.1	NDE-25	MT	CS	34.750	2.330	Inspect with item number B09.011.006A PC 62R to PC 62L
<b>Total B09.012 Items:</b>		<b>4</b>						

**CATEGORY B-J, Pressure Retaining Welds  
in Piping  
Less Than NPS 4**

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ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
<b>---- Circumferential Welds ----</b>								
309.021.005	3-50-21-3D Circumferential	3-50-21 OFD-100A-3.1	NDE-35	PT	SS	1.500 0.281		Elbow to Pipe
309.021.006	3-50-38-2 Circumferential Stress weld	3-50-38 OFD-100A-3.2	NDE-35	PT	SS	1.500 0.281		Tee to Valve (Valve 3LP-46)
309.021.026	3-51A-62-4A Circumferential	3-51A-62 OFD-101A-3.4	NDE-35	PT	SS	2.500 0.375		Pipe to Flange
309.021.037	3-51A-62-5 Circumferential	3-51A-62 OFD-101A-3.4	NDE-35	PT	SS	2.500 0.375		Pipe to Elbow
309.021.039	3-51A-63-15 Circumferential	3-51A-63 OFD-101A-3.4	NDE-35	PT	SS	2.500 0.375		Elbow to Pipe
309.021.041	3-51A-63-27 Circumferential	3-51A-63 OFD-101A-3.4	NDE-35	PT	SS	2.500 0.375		Elbow to Pipe
309.021.042	3-51A-63-28 Circumferential	3-51A-63 OFD-101A-3.4	NDE-35	PT	SS	2.500 0.375		Pipe to Elbow
309.021.059	3-51A-69-69 Circumferential	3-51A-69 OFD-100A-3.1	NDE-35	PT	SS	1.500 0.281		Pipe to Reducer
309.021.060	3-51A-69-71 Circumferential	3-51A-69 OFD-100A-3.1	NDE-35	PT	SS	2.500 0.375		Tee to Pipe

Total B09.021 Items: 9

**CATEGORY B-J, Pressure Retaining Welds  
In Piping**

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**Branch Pipe Connection Welds**

ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
<b>---- NPS 4 or Larger ----</b>								
B09.031.001	3-PHB-16	ISI-OCN3-006 OFD-100A-3.1	NDE-600	UT	CS	23.000 2.875	40350	NPS of the PZR Surge Nozzle = 10.75 inch Diameter & 1.00 Thickness
	Branch Stress weld							Pipe (B Hot Leg) to Nozzle (PZR Surge Nozzle)
B09.031.001A	3-PHB-16	ISI-OCN3-006 OFD-100A-3.1	NDE-25	MT	CS	23.000 2.875		Pipe (B Hot Leg) to Nozzle (PZR Surge Nozzle)
	Branch Stress weld							
<b>Total B09.031 Items:</b>		<b>2</b>						
<b>---- Less Than NPS 4 ----</b>								
B09.032.009	3-53A-37-1	3-53A-37 OFD-102A-3.1	NDE-35	PT	SS	3.000 0.438		Inspect pipe to pipe Branch weld (If Accessable)and the reinforcing collar welds.
	Branch							Pipe to Pipe
<b>Total B09.032 Items:</b>		<b>1</b>						
<b>Total Category B-J Items:</b>		<b>28</b>						

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

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ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL	BLOCKS	COMMENTS
<b>.... Pump Casing Welds ....</b>									
B12.010.001	3RCP-3A1	ISI-OCN3-007 OM-1201D-0057 OM-1201D-0005	NDE-12	RT Casing to Casing	SS			68.000 0.000	Reactor Coolant Pump 3A1 Casing Weld. (Inspect only if disassembled for maintenance purposes, repair, ect.)
B12.010.002	3RCP-3A2	ISI-OCN3-008 OM-1201D-0057 OM-1201D-0005	NDE-12	RT Casing to Casing	SS			0.000 6.500	Reactor Coolant Pump 3A2 Casing Weld. (Inspect only if disassembled for maintenance purposes, repair, ect.)
B12.010.003	3RCP-3B1	ISI-OCN3-009 OM-1201D-0057 OM-1201D-0005	NDE-12	RT Casing to Casing	SS			0.000 6.500	Reactor Coolant Pump 3B1 Casing Weld. (Inspect only if disassembled for maintenance purposes, repair, ect.) See Request for Relief ONS-008
B12.010.004	3RCP-3B2	ISI-OCN3-010 OM-1201D-0057 OM-1201D-0005	NDE-12	RT Casing to Casing	SS			0.000 6.500	Reactor Coolant Pump 3B2 Casing Weld. (Inspect only if disassembled for maintenance purposes, repair, ect.)

Total B12.010 Items: 4



**CATEGORY B-L-2, Pump Casings**

DUKE POWER COMPANY  
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**Pumps**

ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
<b>---- Pump Casing ----</b>								
B12.020.001	3RCP-3A1-CASING	ISI-OCN3-007 OM-1201D-0057 OM-1201D-0005	QAL-14	VT-3	SS	0.000 0.000		Reactor Coolant Pump 3A1 Casing Internal Surfaces.(Inspect only if disassembled for maintenance purposes, repair,ect.)
B12.020.002	3RCP-3A2-CASING	ISI-OCN3-008 OM-1201D-0057 OM-1201D-0005	QAL-14	VT-3	SS	0.000 0.000		Reactor Coolant Pump 3A2 Casing Internal Surfaces.(Inspect only if disassembled for maintenance purposes, repair,ect.)
B12.020.003	3RCP-3B1-CASING	ISI-OCN3-009 OM-1201D-0057 OM-1201D-0005	QAL-14	VT-3	SS	0.000 0.000		Reactor Coolant Pump 3B1 Casing Internal Surfaces.(Inspect only if disassembled for maintenance purposes, repair,ect.)
B12.020.004	3RCP-3B2-CASING	ISI-OCN3-010 OM-1201D-0057 OM-1201D-0005	QAL-14	VT-3	SS	0.000 0.000		Reactor Coolant Pump 3B2 Casing Internal Surfaces.(Inspect only if disassembled for maintenance purposes, repair,ect.)
<b>Total B12.020 Items:</b>		<b>4</b>						

**CATEGORY B-M-2, Valve Bodies**

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**Valves**

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ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIATHK	CAL	BLOCKS	COMMENTS
<b>.... Valve Body, Exceeding NPS 4 ....</b>									
B12.050.001	3-53A-CF-11	OM-245-001 OFD-102A-3.3	QAL-14	VT-3	NA			14,000 0.000	A-Side Core Flood (W-Axis); Valve Body Internal Surfaces-Valve 3CF-11; (Inspect only if valve is disassembled for maintenance purposes, valve repair, ect.)
B12.050.002	3-53A-CF-12	OM-245-001 OFD-102A-3.3	QAL-14	VT-3	NA			14,000 0.000	A-Side Core Flood (W-Axis); Valve Body Internal Surfaces-Valve 3CF-12; (Inspect only if valve is disassembled for maintenance purposes, valve repair, ect.)
B12.050.003	3-53A-CF-13	OM-245-001 OFD-102A-3.3	QAL-14	VT-3	NA			14,000 0.000	B-Side Core Flood (W-Axis); Valve Body Internal Surfaces-Valve 3CF-13; (Inspect only if valve is disassembled for maintenance purposes, valve repair, ect.)
B12.050.004	3-53A-CF-14	OM-245-001 OFD-102A-3.3	QAL-14	VT-3	NA			14,000 0.000	B-Side Core Flood (W-Axis); Valve Body Internal Surfaces-Valve 3CF-14; (Inspect only if valve is disassembled for maintenance purposes, valve repair, ect.)
B12.950.005	3-53A-LP-47	OM-245-001 OFD-102A-3.2	QAL-14	VT-3	NA			14,000 0.000	B-Side LPI Valve Body Surfaces-Valve 3LP-47; (Inspect only if valve is disassembled for maintenance purposes, valve repair, ect.)
B12.050.006	3-53A-LP-48	OM-245-001 OFD-102A-3.2	QAL-14	VT-3	NA			10,000 0.000	B-Side LPI Valve Body Surfaces-Valve 3LP-48; (Inspect only if valve is disassembled for maintenance purposes, valve repair, ect.)
B12.050.007	3-53A-LP-1	OM-201-165 OFD-102A-3.1	QAL-14	VT-3	NA			12,000 0.000	B-Side LPI Valve Body Surfaces-Valve 3LP-1; (Inspect only if valve is disassembled for maintenance purposes, valve repair, ect.)
B12.050.008	3-53A-LP-2	OM-201-165 OFD-102A-3.1	QAL-14	VT-3	NA			12,000 0.000	B-Side LPI Valve Body Surfaces-Valve 3LP-2; (Inspect only if valve is disassembled for maintenance purposes, valve repair, ect.)

Total B12.050 Items: 8  
 Total Category B-M-2 Items: 16

CATEGORY B-N-1, Interior of Reactor Vessel

Reactor Vessel

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ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
---- Vessel Interior ----								
B13.010.001	3RPV-INT SUR	ISI-OCN3-001	QAL-14	VT-3	SS	0.000 0.000		Interior Surfaces of Vessel, use Procedure ISI-354 also

Total B13.010 Items: 1

Total Category B-N-1 Items: 1

**CATEGORY C-A. Pressure Retaining Welds  
In Pressure Vessels**

**Shell Circumferential Welds**

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ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS	
C01.010.001	3-SGA-WG8-1 Circumferential	ISI-OCN3-003 OM-2201-222	NDE-620 NDE-640	UT	CS	138.000	40339 4.188	S/G A Shell to Shell PC.1 to PC.2 Ref. PIR 3-092-0371	
				Shell to Shell					
C01.010.002	3-SGA-WG8-2 Circumferential	ISI-OCN3-003 OM-2201-222	NDE-620 NDE-640	UT	CS	138.000	40339 4.188	S/G A Shell to Shell PC.2 to PC.3 Ref. PIR 3-092-0371	
				Shell to Shell					
Total C01.010 Items:		2							

**CATEGORY C.A. Pressure Retaining Welds  
In Pressure Vessels**

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**Head Circumferential Welds**

ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
C01.020.002	3-RC-ACC-HD-1 Circumferential	OM-261-013 OFD 101A-3.5	NDE-630	UT	SS	10.750 0.319	TBD	SSF Make-Up Accumulator Shell to Head
<b>Total C01.020 Items:</b>		<b>1</b>						

**CATEGORY C-A, Pressure Retaining Welds  
In Pressure Vessels**  
**■ Tubesheet-to-Shell Weld**

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ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
C01.030.001	3SGA-WG60 Circumferential	ISI-OCN3-003 OFD 122A-3.1 OM 2201-222	NDE-620 NDE-640	UT	CS	138.000 6.625	40338	S/G A Top Tube Sht. to Shell PC.51 to PC.1
				Tube Sht. to Shell				

Total C01.030 Items: 1

Total Category C-A Items: 4

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

**Pressure Vessels**

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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
<b>.... Integrally Welded Attachments ....</b>								
C03.010.003	3SGA-WG84-WX	B&W-149824E OM 2201-1451	NDE-25	MT	CS	0.000 1.000		SGA FDW. HDR. ATTACH. W-X QUAD. NEAREST TO W-AXIS
C03.010.004	3SGA-WG84-XW	B&W-149824E OM 2201-1451	NDE-25	MT	CS	0.000 1.000		SGA FDW. HDR. ATTACH. X-W QUAD. NEAREST TO X-AXIS
<b>Total C03.010 Items:</b>		<b>2</b>						

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

DUKE POWER COMPANY  
QUALITY ASSURANCE TECHNICAL SERVICES  
Inservice Inspection Database Management System  
Oconee Unit 3

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**Inservice Inspection Plan for Interval 3 Outage 2**

Piping

ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
<b>---- Integrally Welded Attachments ----</b>								
C03.020.005	3-01A-H4B Rigid restraint	0-2481A OFD-122A-3.1 0-2490A-2(S)	NDE-25	MT	CS	26.000 0.750		File no. OSC-1334 Prob. No. 3-01-07 Main Steam System
C03.020.011	3-01A-H9B Constant support	0-2481A OFD-122A-3.1 0-2490A-2(S)	NDE-25	MT	CS	26.000 1.000		File no. OSC-1334 Prob. No. 3-01-07 Main Steam System
C03.020.013	3-03-H16A Rigid restraint	0-2481A OFD-121B-3.3	NDE-25	MT	CS	24.000 1.000		File no. OSC-1335 Page 6(1)-72 Prob. No. 3-03-07 Main Feedwater System
C03.020.015	3-14B-H19A Rigid restraint	0-2479A OFD-124B-3.2	NDE-25	MT	CS	8.000 1.500		File No. OSC-1344-06 Page No. 6(2) 38 Problem No. 3-14B-08 System 14B
C03.020.027	3-53B-H94 Rigid restraint	5-0-2444 OFD-102A-3.2	NDE-35	PT	SS	10.000 0.750		File No. OS-539 Page 143 Problem No. 3-51-2;
C03.020.034	3-54A-H48 Rigid restraint	3-0-2436D OFD-103A-3.1	NDE-35	PT	SS	8.000 1.000		File No. OSC-554 Page No. 47.1 Problem No. 3-54-01; Reactor Bld Spray
C03.020.035	3-54A-H5 Rigid restraint	3-0-2439C OFD-103A-3.1	NDE-35	PT	SS	8.000 1.000		File No. OSC-556 Page No. 65.1 Problem No. 3-54-03
C03.020.038	3-56-H16 Rigid restraint	0-2479A OFD-104A-3.1	NDE-35	PT	SS	8.000 1.000		File No. OSC-1339 Page No. 81 Problem No. 3-56-03; Spent Fuel Cooling
C03.020.041	3SGA-WG87-WX	B&W-149824E	NDE-25	MT	CS	0.000 1.000		SGA FDW. HDR. ATTACH. W-X QUAD. NEAREST TO W-AXIS
C03.020.042	3SGA-WG87-XW	B&W-149824E	NDE-25	MT	CS	0.000 1.000		SGA FDW. HDR. ATTACH. X-W QUAD. NEAREST TO X-AXIS



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

DUKE POWER COMPANY  
QUALITY ASSURANCE TECHNICAL SERVICES  
Inservice Inspection Database Management System  
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**Inservice Inspection Plan for Interval 3 Outage 2**

**Piping**

ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
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Total C03.020 Items: 10

Total Category C-C Items: 12

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

DUKE POWER COMPANY  
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**

**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 ----								
C05.021.002	3-51A-101-11	3-51A-101 OFD-101A-3.2	NDE-600	UT	SS	2.500	40378	0.375 Valve (3HP-62) to Valve (3HP-63)
C05.021.002A	3-51A-101-11	3-51A-101 OFD-101A-3.2	NDE-35	PT	SS	2.500		0.375 Valve (3HP-62) to Valve (3HP-63)
C05.021.011	3-51A-118-7	3-51A-118 OFD-101A-3.4	NDE-600	UT	SS	4.000	40406	0.531 Elbow to Pipe
C05.021.011A	3-51A-118-7	3-51A-118 OFD-101A-3.4	NDE-35	PT	SS	4.000		0.531 Elbow to Pipe
C05.021.012	3-51A-119-1	3-51A-119 OFD-101A-3.4	NDE-600	UT	SS	4.000	40406	0.531 Pipe to Tee
C05.021.012A	3-51A-119-1	3-51A-119 OFD-101A-3.4	NDE-35	PT	SS	4.000		0.531 Pipe to Tee
C05.021.022	3-51A-121-4	3-51A-121 OFD-101A-3.4	NDE-600	UT	SS	4.000	40406	0.531 Elbow to Pipe
C05.021.022A	3-51A-121-4	3-51A-121 OFD-101A-3.4	NDE-35	PT	SS	4.000		0.531 Elbow to Pipe
C05.021.029	3-51A-50-16	3-51A-50 OFD-101A-3.3	NDE-600	UT	SS	4.000	TBD	0.237 Elbow to Flange (HPI Pump 3C Inlet)
C05.021.029A	3-51A-50-16	3-51A-50 OFD-101A-3.3	NDE-35	PT	SS	4.000		0.237 Elbow to Flange (HPI Pump 3C Inlet)

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

**Piping Welds > 1/5 In. Nom Wall For Piping ≥  
NPS 2 And ≤ NPS 4**

DUKE POWER COMPANY  
QUALITY ASSURANCE TECHNICAL SERVICES  
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ITEM NUMBER	ID NUMBER	ISC/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
C05.021.033	3-51A-52-1A	3-51A-52 OFD-101A-3.3	NDE-600	UT	SS	3.000	50225 0.438	Flange (HPI Pump 3C Outlet) to Elbow
C05.021.033A	3-51A-52-1A	3-51A-52 OFD-101A-3.3	NDE-35	PT	SS	3.000	0.438	Flange (HPI Pump 3C Outlet) to Elbow
C05.021.034	3-51A-52-29	3-51A-52 OFD-101A-3.3	NDE-600	UT	SS	4.000	40406 0.531	Pipe to Valve (3HP-148)
C05.021.034A	3-51A-52-29	3-51A-52 OFD-101A-3.3	NDE-35	PT	SS	4.000	0.531	Pipe to Valve (3HP-148)
C05.021.048	3-51A-59-9	3-51A-59 OFD-101A-3.4	NDE-600	UT	SS	4.000	40406 0.674	Tee to Elbow
C05.021.048A	3-51A-59-9	3-51A-59 OFD-101A-3.4	NDE-35	PT	SS	4.000	0.674	Tee to Elbow
C05.021.061	3-51A-87-29	3-51A-87 OFD-101A-3.4	NDE-600	UT	SS	4.000	40406 0.531	Pipe to Tee
C05.021.061A	3-51A-87-29	3-51A-87 OFD-101A-3.4	NDE-35	PT	SS	4.000	0.531	Pipe to Tee

**Total C05.021 Items: 18**

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

DUKE POWER COMPANY  
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

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 ----								
C05.051.011	3-01A-23-9	3-01A-23 OFD-122A-3.1	NDE-12	RT	CS	24.000 0.969		Reducer to Nozzle (S/G 3A)
C05.051.011A	3-01A-23-9	3-01A-23 OFD-122A-3.1	NDE-25	MT	CS	24.000 0.969		Reducer to Nozzle (S/G 3A)
C05.051.013	3-01A-24-8	3-01A-24 OFD-122A-3.1	NDE-12	RT	CS	24.000 0.969		Reducer to Nozzle (S/G 3B)
C05.051.013A	3-01A-24-8	3-01A-24 OFD-122A-3.1	NDE-25	MT	CS	24.000 0.969		Reducer to Nozzle (S/G 3B)
C05.051.028	3-14B-116-38	3-14B-116 OFD-124B-3.2	NDE-12	RT	CS	8.000 0.500		Valve (3LPSW-19) to Pipe
C05.051.028A	3-14B-116-38	3-14B-116 OFD-124B-3.2	NDE-25	MT	CS	8.000 0.500		Valve (3LPSW-19) to Pipe
C05.051.036	3-14B-119-34A	3-14B-119 OFD-124B-3.2	NDE-12	RT	CS	8.000 0.500		Pipe to Pipe
C05.051.036A	3-14B-119-34A	3-14B-119 OFD-124B-3.2	NDE-25	MT	CS	8.000 0.500		Pipe to Pipe
C05.051.042	3-14B-119-60	3-14B-119 OFD-124B-3.2	NDE-12	RT	CS	8.000 0.500		Pipe to Flange
C05.051.042A	3-14B-119-60	3-14B-119 OFD-124B-3.2	NDE-25	MT	CS	8.000 0.500		Pipe to Flange

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

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

DUKE POWER COMPANY  
QUALITY ASSURANCE TECHNICAL SERVICES  
Inservice Inspection Database Management System  
Oconee Unit 3

Inservice Inspection Plan for Interval 3 Outage 2

ID NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA THICK	AI
3-55-34-0	3-55-34-0	3-55-34	NDE-12	RT	CS	8"	

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

**Pipe Branch Connections of Branch Piping ≥ NPS**

**2**

DUKE POWER COMPANY  
QUALITY ASSURANCE TECHNICAL SERVICES  
Inservice Inspection Database Management System  
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ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
<b>---- Circumferential Weld ----</b>								
C05.081.002	3-MS12B-A	3-01A-13/3MS-12B	NDE-25	MT	CS	8.000		Branch Weld is Inaccessible due to gaurd pipe. Inspect Only if gaurd pipe is removed for Maintenance Activities or repair/replacement reasons. See Request for Relief ONS-010.
Branch		OFD-122A-3.1		Pipe to Pipe		0.906		
C05.081.005	3-MS15A-F	3-01A-9/3MS-15A	NDE-25	MT	CS	8.000		Branch Weld is Inaccessible due to gaurd pipe. Inspect Only if gaurd pipe is removed for Maintenance Activities or repair/replacement reasons. See Request for Relief ONS-010.
Branch		OFD-122A-3.1		Pipe to Pipe		0.906		
C05.081.007	3-MS15A-H	3-01A-9/3MS-15A	NDE-25	MT	CS	8.000		Branch Weld is Inaccessible due to gaurd pipe. Inspect Only if gaurd pipe is removed for Maintenance Activities or repair/replacement reasons. See Request for Relief ONS-010.
Branch		OFD-122A-3.1		Pipe to Pipe		0.906		
C05.081.009	3-MSB10-F	3-01A-9	NDE-25	MT	CS	6.000		Inspect Reinforcing Collar weld and Branch Weld per IWC-2500-13
Branch		OFD-122A-3.2		Pipe to Pipe		0.432		
<b>Total C05.081 Items:</b>		<b>4</b>						
<b>Total Category C-F-2 Items:</b>		<b>34</b>						

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

**Integral Attachment**

DUKE POWER COMPANY  
QUALITY ASSURANCE TECHNICAL SERVICES  
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ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
**** Component Supports and Restraints ****								
D02.020.011	3-03-H64 Rigid restraint	0-2439B OFD-121B-3.3	QAL-14	VT-3	NA	24.000 2.000		File no. OSC-512 Page136.1 Prob. No. 3-03-01 Main Feedwater System
D02.020.012	3-03A-DE010 Rigid restraint	0-2401A OFD-121D-3.1	QAL-14	VT-3	NA	6.000 1.000		File No. OS-519 Page No. 55 Problem No. 3-03A-01; Emergency Feedwater System
D02.020.017	3-03A-H111 Rigid restraint	1-0-2400A OFD-121D-3.1	QAL-14	VT-3	NA	6.000 0.500		File No. OSC-526 Page No. 42; Problem No. 3-03A-09 Emergency Feedwater System
D02.020.018	3-03A-H114 Rigid restraint	1-0-2400A OFD-121D-3.1	QAL-14	VT-3	NA	6.000 0.500		File No. OSC-526 Page No. 42; Problem No. 3-03A-09 Emergency Feedwater System
D02.020.019	3-03A-H116 Rigid restraint	1-0-2400A OFD-121D-3.1	QAL-14	VT-3	NA	6.000 0.500		File No. OSC-526 Page No. 42; Problem No. 3-03A-09 Emergency Feedwater System
D02.020.026	3-03A-H133 Rigid restraint	1-0-2400A OFD-121D-3.1	QAL-14	VT-3	NA	6.000 0.125		File No. OSC-1209 Page No. 28; Problem No. 3-03A-12 Emergency Feedwater System
D02.020.035	3-03A-H3B Rigid restraint	0-2480A OFD-121D-3.1	QAL-14	VT-3	NA	6.000 0.500		File No. OSC-1224-18 Page No. 38.2; Problem No. 3-03A-14 Aux Service Water Piping
D02.020.038	3-03A-H8 Rigid restraint	1-0-2439C OFD-121D-3.1	QAL-14	VT-3	NA	6.000 0.375		File No. OSC-1224-23 Page No. 25.3; Problem No. 3-03A-13 Aux Service Water Piping
D02.020.039	3-03A-SR127 Rigid restraint	1-0-2400A OFD-121D-3.1	QAL-14	VT-3	NA	6.000 0.125		File No. OSC-526 Page No. 41; Problem No. 3-03A-09 Emergency Feedwater System
D02.020.055	3-03A-H209 Rigid restraint	1-0-2400A OFD-121D-3.1	QAL-14	VT-3	NA	6.000 0.750		File No. OSC-1209 Page No. 28; Problem No. 3-03A-12 Emergency Feedwater System

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

**DUKE POWER COMPANY  
QUALITY ASSURANCE TECHNICAL SERVICES  
Inservice Inspection Database Management System  
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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
D02.020.057	3-03A-H9 Rigid restraint	1-0-2439B OFD-121D-3.1	QAL-14	VT-3	NA	6.000 0.375		File No. OSC-1224-23 Page No. 25.3; Problem No. 3-03A-13 Aux Service Water Piping
D02.020.059	3-03A-SR115 Rigid restraint	1-0-2400A OFD-121D-3.1	QAL-14	VT-3	NA	6.000 0.500		File No. OSC-526 Page No. 42; Problem No. 3-03A-09 Emergency Feedwater System
D02.020.060	3-03A-SR117 Rigid restraint	1-0-2400A OFD-121D-3.1	QAL-14	VT-3	NA	6.000 0.500		File No. OSC-526 Page No. 42; Problem No. 3-03A-09 Emergency Feedwater System
D02.020.064	3-03A-SR131 Rigid restraint	1-0-2400A OFD-121D-3.1	QAL-14	VT-3	NA	6.000 0.500		File No. OSC-526 Page No. 41; Problem No. 3-03A-09 Emergency Feedwater System
D02.020.069	3-03A-SR140 Rigid restraint	1-0-2437A OFD-121D-3.1	QAL-14	VT-3	NA	6.000 0.500		File No. OS-524 Page No. 64; Problem No. 3-03A-07 Emergency Feedwater System
D02.020.083	3-03A-SR42 Rigid restraint	1-0-2402A OFD-121B-3.3	QAL-14	VT-3	NA	6.000 0.125		File no. OS-517 Page 37 Prob. No. 3-03A-05 Emergency Feedwater System
D02.020.090	3-04A-H20 Rigid restraint	2-0-2439B OFD-121B-3.5	QAL-14	VT-3	NA	6.000 0.125		File No. OSC-520 Page No. 48.1 Problem No. 3-04A-01; System 04A
D02.020.099	3-07A-SR20 Rigid restraint	6-0-2402A OFD-121A-3.7	QAL-14	VT-3	NA	30.000 0.375		File no. OSC-521 Page 124 Prob. No. 3-07-01 Condensate Sys.
				SWAY STRUT to Other				
D02.020.105	3-14B-DE018 Rigid restraint	0-2437A OFD-124B-3.1	QAL-14	VT-3	NA	12.000 2.000		File no. OSC-1357 Prob. No. 3-14B-07 Page 41 LPS Water
D02.020.111	3-14B-DE066 Rigid restraint	0-2439B OFD-124B-3.2	QAL-14	VT-3	NA	8.000 0.750		File No. OSC-535 Page No. 61.1 Problem No. 3-14-6; Low Pressure Service Water



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

DUKE POWER COMPANY  
QUALITY ASSURANCE TECHNICAL SERVICES  
Inservice Inspection Database Management System  
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**Inservice Inspection Plan for Interval 3 Outage 2**

**Integral Attachment**

ITEM NUMBER	ID NUMBER	DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
D02.020.132	3-14B-SR11 Rigid restraint	6-0-2437A OFD-121D-1.2	QAL-14	VT-3	NA	6.000 0.216		File No. OSC-529 Page No. 69 Problem No. 3-14B-02; Aux Service Water Piping
D02.020.139	3-14B-SR9 Rigid restraint	6-0-2438R OFD-121D-1.2	QAL-14	VT-3	NA	6.000 1.000		File No. OSC-529 Page No. 69 Problem No. 3-14B-02; Aux Service Water Piping

**Total D02.020 Items: 22**

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

**Integral Attachment**

DUKE POWER COMPANY  
QUALITY ASSURANCE TECHNICAL SERVICES  
Inservice Inspection Database Management System  
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ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
<b>**** Spring Type Supports ****</b>								
D02.040.010	3-03A-H184 Spring hanger	1-0-2444 OFD-121D-3.1	QAL-14	VT-3	NA	6.000 0.500		File No. OS-524 Page No. 63 Problem No. 3-03A-07; Emergency Feedwater System
D02.040.012	3-03A-H32 Spring hanger	1-0-2400A OFD-121D-3.1	QAL-14	VT-3	NA	6.000 1.500		File No. OSC-1209 Page No. 29 Problem No. 3-03A-12; Emergency Feedwater System
D02.040.013	3-03A-H36 Spring hanger	1-0-2402A OFD-121B-3.3	QAL-14	VT-3	NA	6.000 1.000		File No. OSC-513 Page 72 Prob. NO 3-03A-02 Emerg. FDW Sys.
D02.040.014	3-03A-H37 Spring hanger	1-0-2402A OFD-121D-3.1	QAL-14	VT-3	NA	6.000 1.000		File No. OS 519 Page No. 55 Problem No. 3-03A-06; Emergency Feedwater System
D02.040.016	3-03A-H55 Spring hanger	1-0-2439B OFD-121B-3.3	QAL-14	VT-3	NA	6.000 0.500		File no. OS-517 Page37 Prob. No. 3-03A-05 Emergency Feedwater System
D02.040.017	3-03A-SR176 Spring hanger	1-0-2439B OFD-121D-3.1	QAL-14	VT-3	NA	6.000 0.500		File No. OS-524 Page No. 63 Problem No. 3-03A-07; Emergency Feedwater System
D02.040.027	3-14B-DE017 Spring hanger	0-2437A OFD-124B-3.1	QAL-14	VT-3	NA	16.000 0.187		File No. OSC-536 Prob. No. 3-14-01 Page 38 LPS Water Cooler Discharge
D02.040.030	3-14B-H11 Spring hanger	0-2437A OFD-124B-3.1	QAL-14	VT-3	NA	8.000 0.216		File no. OSC-533 Prob. No. 3-14-05 Page 60 LPS Water
D02.040.031	3-14B-H12 Spring hanger	0-2437A OFD-124B-3.1	QAL-14	VT-3	NA	8.000 0.125		File no. OSC-533 Prob. No. 3-14-05 Page 60 LPS Water

Total D02.040 Items: 9

Total Category D-B Items: 31

**CATEGORY F-A, Supports (Category A)**

DUKE POWER COMPANY  
 QUALITY ASSURANCE TECHNICAL SERVICES  
 Inservice Inspection Database Management System  
 Oconee Unit 3  
 Inservice Inspection Plan for Interval 3 Outage 2

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

ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
F01.010.007	3-53A-DE002 Rigid restraint	0-2478A OFD-102A-3.3	QAL-14	VT-3	NA	14.000 0.000		File No. OSC-1338 Page No. 6(1)8; Dwg. No. 0-2492D-2(S) Problem No. 3-53-07; Low Pressure Injection
<b>Total F01.010 Items:</b>		<b>1</b>						
F01.011.003	3-51A-H3C Rigid restraint	0-2473A OFD-101A-3.1	QAL-14	VT-3	NA	2.500 0.250		File No. OSC-1660-01 Sht. 1 of 5 Prob.No.3-51-14 R.C. Pump Piping to H.P. Inj. Letdown Coolers
F01.011.006	3-53A-H28C Rigid restraint	0-2481A OFD-100A-3.2	QAL-14	VT-3	NA	1.500 0.250		File No. OSC-1343-06 Vol.A of C Prob.No. 3-53-09 Page 139 Low Pressure Inj. Supply to PZR Spray
<b>Total F01.011 Items:</b>		<b>2</b>						
F01.012.007	3-53A-H1A Spring hanger	0-2479A OFD-102A-3.3	QAL-14	VT-3	NA	14.000 1.500		File No. OSC-1338 Page No. 6(1)8; Dwg. No. 0-2492D-2(S) Problem No. 3-53-07; Low Pressure Injection
<b>Total F01.012 Items:</b>		<b>1</b>						

**CATEGORY F-A, Supports (Category A)**

DUKE POWER COMPANY  
 QUALITY ASSURANCE TECHNICAL SERVICES  
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**Class 2 Weld Connections to Building Structure**

ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
F01.020.018	3-51B-H103 Rigid restraint	1-0-2436G OFD-101A-3.2	QAL-14	VT-3	NA	2.500 0.000		File No. OSC-538 Prob. No. 3-51-1 Page 108 Disch.to Letdown Storage Tanks from R.C. Seal Return Coolers
F01.020.019	3-53B-DE009 Rigid restraint	5-0-2435B OFD-102A-3.2	QAL-14	VT-3	NA	10.000 0.000		File No. OS-550 Page No. 56 Problem No. 3-53-03; System 53B
F01.020.024	3-53B-H141 Rigid restraint	2-0-2436C OFD-102A-3.1	QAL-14	VT-3	NA	8.000 0.000		File No. OS-539 Page 144 Problem No. 3-51-2
F01.020.025	3-53B-H144 Rigid restraint	2-0-2436C OFD-102A-3.1	QAL-14	VT-3	NA	8.000 0.000		File No. OS-539 Page 144 Problem No. 3-51-2
F01.020.027	3-53B-H21 Rigid restraint	2-0-2435B OFD-102A-3.1	QAL-14	VT-3	NA	14.000 0.187		File No. OS-549 Page No. 79; Problem No. 3-53-01 L P Injection & Decay Heat Removal
F01.020.032	3-54A-H47 Rigid restraint	3-0-2436D OFD-103A-3.1	QAL-14	VT-3	NA	8.000 0.125		File No. OSC-554 Page No. 47.1 Problem No. 3-54-01; Reactor Bld Spray
F01.020.033	3-54A-H5 Rigid restraint	3-0-2439C OFD-103A-3.1	QAL-14	VT-3	NA	8.000 1.000		File No. OSC-556 Page No. 65.1 Problem No. 3-54-03
<b>Total F01.020 Items:</b>		<b>7</b>						
F01.021.001	3-03-H16A Rigid restraint	0-2481A OFD-121B-3.3	QAL-14	VT-3	NA	24.000 1.000		File no. OSC-1335 Page 6(1)-72 Prob. No. 3-03-07 Main Feedwater System
F01.021.002	3-14B-DE082 Rigid restraint	0-2439A OFD-121D-3.1	QAL-14	VT-3	NA	6.000 0.000		File No. OSC-525 Page No. 44.1 Problem No. 3-03A-08 Emergency Feedwater System

**CATEGORY F-A, Supports (Category B)**

DUKE POWER COMPANY  
 QUALITY ASSURANCE TECHNICAL SERVICES  
 Inservice Inspection Database Management System  
 Oconee Unit 3  
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**Class 2 Weld Connections to Building Structure**

ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
F01.021.022	3-53B-H29 Rigid restraint	2-0-2435B OFD-102A-3.1	QAL-14	VT-3	NA	14.000 0.000		File No. OS-549 Page 78 Problem No. 3-53-01 L P Injection & Decay Heat Removal
F01.021.023	3-53B-H94 Rigid restraint	5-0-2444 OFD-102A-3.2	QAL-14	VT-3	NA	10.000 0.750		File No. OS-551 Page No. 61 Problem No. 3-53-04 System 53B
F01.021.027	3-54A-H48 Rigid restraint	3-0-2436D OFD-103A-3.1	QAL-14	VT-3	NA	8.000 1.000		File No. OSC-554 Page No. 47.1 Problem No. 3-54-01 Reactor Bld Spray
F01.021.031	3-NPS-03A-H3 Rigid restraint	1-0-2439A OFD-121D-3.1	QAL-14	VT-3	NA	6.000 0.000		File No. OSC-525 Page No. 44.1 Problem No. 3-03A-08 Emergency Feedwater System
<b>Total F01.021 Items:</b>		<b>6</b>						
F01.022.003	3-01A-H9B Constant support	0-2491A OFD-122A-3.1 0-2490A-2(S)	QAL-14	VT-3	NA	26.000 1.000		File no. OSC-1334 Prob. No. 3-01-07 Main Steam System
F01.022.005	3-03A-H1B Constant support	0-2480A OFD-121D-3.1	QAL-14	VT-3	NA	6.000 0.000		File No. OSC-1224-18 Page No. 38.2 Problem No. 3-03A-14 Aux Service Water Piping
F01.022.006	3-51A-H128 Spring hanger	6-0-2435D OFD-101A-3.3	QAL-14	VT-3	NA	6.000 0.000		File No. OSC-539 Prob. No. 3-51-2 Page 145 H.P.I. Pumps 3A,3B,&3C Suction Header
F01.022.010	3-53B-H12 Spring hanger	5-0-2435B OFD-102A-3.2	QAL-14	VT-3	NA	10.000 0.000		File No. OS-550 Page No. 56 Problem No. 3-53-03 System 53B
<b>Total F01.022 Items:</b>		<b>4</b>						

**CATEGORY F-A, Supports (Category A)**

DUKE POWER COMPANY  
 QUALITY ASSURANCE TECHNICAL SERVICES  
 Inservice Inspection Database Management System  
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**Class 3 Weld/Mech Conns at Inter Joints in  
 Multiconn Int & Nonint Supp**

ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MA7/SCH	DIA/THK	CAL BLOCKS	COMMENTS
F01.030.003	3-03A-DE010 Rigid restraint	0-2401A OFD-121D-3.1	QAL-14	VT-3	NA	6.000 1.000		File No. OS-519 Page No. 55 Problem No. 3-03A-06 Emergency Feedwater System
F01.030.007	3-03A-H111 Rigid restraint	1-0-2400A OFD-121D-3.1	QAL-14	VT-3	NA	6.000 0.500		File No. OSC-526 Page No. 42 Problem No. 3-03A-09 Emergency Feedwater System
F01.030.008	3-03A-H114 Rigid restraint	1-0-2400A OFD-121D-3.1	QAL-14	VT-3	NA	6.000 0.500		File No. OSC-526 Page No. 42 Problem No. 3-03A-09 Emergency Feedwater System
F01.030.009	3-03A-H116 Rigid restraint	1-0-2400A OFD-121D-3.1	QAL-14	VT-3	NA	6.000 0.500		File No. OSC-526 Page No. 42 Problem No. 3-03A-09 Emergency Feedwater System
F01.030.015	3-03A-H133 Rigid restraint	1-0-2400A OFD-121D-3.1	QAL-14	VT-3	NA	6.000 0.125		File No. OSC-1209 Page No. 28 Problem No. 3-03A-12 Emergency Feedwater System
F01.030.025	3-07A-H81 Rigid restraint	6-0-2400A OFD-121A-3.8	QAL-14	VT-3	NA	20.000 0.000		File No. OSC-1211 Page No. 28 Problem No. 3-07-05 System 07A
<b>Total F01.030 Items:</b>		<b>6</b>						
F01.031.007	3-03A-H209 Rigid restraint	1-0-2400A OFD-121D-3.1	QAL-14	VT-3	NA	6.000 0.750		File No. OSC-1209 Page No. 28 Problem No. 3-03A-12 Emergency Feedwater System
F01.031.009	3-03A-H9 Rigid restraint	1-0-2439B OFD-121D-3.1	QAL-14	VT-3	NA	6.000 0.375		File No. OSC-1224-23 Page No. 25.3 Problem No. 3-03A-13 Aux Service Water Piping
F01.031.016	3-14B-SR11 Rigid restraint	6-0-2437A OFD-121D-1.2	QAL-14	VT-3	NA	6.000 0.216		File No. OSC-529 Page No. 69 Problem No. 3-14B-02 Aux Service Water Piping

**CATEGORY F-A, Supports (Category B)**

DUKE POWER COMPANY  
 QUALITY ASSURANCE TECHNICAL SERVICES  
 Inservice Inspection Database Management System  
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Inservice Inspection Plan for Interval 3 Outage 2

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

ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
F01.031.019	3-14B-SR9 Rigid restraint	6-0-2438B OFD-121D-1.2	QAL-14	VT-3	NA	6.000 1.000		File No. OSC-529 Page No. 69 Problem No. 3-14B-02 Aux Service Water Piping

Total F01.031 Items: 4

F01.032.005	3-03A-H32 Spring hanger	1-0-2400A OFD-121D-3.1	QAL-14	VT-3	NA	6.000 1.500		File No. OSC-1209 Page No. 29 Problem No. 3-03A-12 Emergency Feedwater System
F01.032.006	3-03A-H36 Spring hanger	1-0-2402A OFD-121B-3.3	QAL-14	VT-3	NA	6.000 1.000		File No. OSC-513 Page 72 Prob. NO 3-03A-02 Emerg. FDW Sys.

Total F01.032 Items: 2

**CATEGORY F-A, Supports**

DUKE POWER COMPANY  
 QUALITY ASSURANCE TECHNICAL SERVICES  
 Inservice Inspection Database Management System  
 Oconee Unit 3

Inservice Inspection Plan for Interval 3 Outage 2

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

ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
F01.040.006	3-SSF-ACC-SUPPOR	OM 261-013 OFD 101A-3.5	QAL-14	VT-3	NA	0.000 0.000		SSF Make-up Accumulator Support Class B
F01.040.007	3-SSF-PUMP	OM 261-0001 OFD 101A-3.5	QAL-14	VT-3	NA	0.000 0.000		Standby Shutdown Makeup Pump Support Legs & Pad. Class B
F01.040.008	3-EFDW-PT	OM 200B-0006 OFD 122A-3.4	QAL-14	VT-3	NA	0.000 0.000		Emerg. Feedwater Pump Turbine. Ref. Fig 1 in Man. OM 200B-0006 Items 12&18. Class C

Total F01.040 Items: 3

Total Category F-A Items: 36



**CATEGORY AUG, Augmented Inspections**

DUKE POWER COMPANY  
 QUALITY ASSURANCE TECHNICAL SERVICES  
 Inservice Inspection Database Management System  
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**Inservice Inspection Plan for Interval 3 Outage 2**

**Reactor Coolant Pump Flywheel**

ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
G01.001.001	3-RCP-3A1	OM-201D-038 OFD-100A-3.1	NDE-900	UT	CS	72.000 9.500		Reference Section 7 Paragraph 7.1.1 of the ISI Plan - Volume 1. RCP 3A1 Flywheel to Other
G01.001.001A	3-RCP-3A1	OM-201D-038 OFD-100A-3.1	NDE-25	MT	CS	72.000 9.500		Reference Section 7 Paragraph 7.1.1 of the ISI Plan - Volume 1. RCP 3A1 Flywheel to Other
G01.001.002	3-RCP-3A2	OM-201D-038 OFD-100A-3.1	NDE-900	UT	CS	72.000 9.500		Reference Section 7 Paragraph 7.1.1 of the ISI Plan - Volume 1. RCP 3A2 Flywheel to Other
G01.001.002A	3-RCP-3A2	OM-201D-038 OFD-100A-3.1	NDE-25	MT	CS	72.000 9.500		Reference Section 7 Paragraph 7.1.1 of the ISI Plan - Volume 1. RCP 3A2 Flywheel to Other
G01.001.003	3-RCP-3B1	OM-201D-038 OFD-100A-3.1	NDE-900	UT	CS	72.000 9.500		Reference Section 7 Paragraph 7.1.1 of the ISI Plan - Volume 1. RCP 3B1 Flywheel to Other
G01.001.003A	3-RCP-3B1	OM-201D-038 OFD-100A-3.1	NDE-25	MT	CS	72.000 9.500		Reference Section 7 Paragraph 7.1.1 of the ISI Plan - Volume 1. RCP 3B1 Flywheel to Other
G01.001.004	3-RCP-3B2	OM-201D-038 OFD-100A-3.1	NDE-900	UT	CS	72.000 9.500		Reference Section 7 Paragraph 7.1.1 of the ISI Plan - Volume 1. RCP 3B2 Flywheel to Other
G01.001.004A	3-RCP-3B2	OM-201D-038 OFD-100A-3.1	NDE-25	MT	CS	72.000 9.500		Reference Section 7 Paragraph 7.1.1 of the ISI Plan - Volume 1. RCP 3B2 Flywheel to Other

Total G01.001 Items: 8

Total Category AUG Items: 8

**CATEGORY AUG, Augmented Inspections**

DUKE POWER COMPANY  
 QUALITY ASSURANCE TECHNICAL SERVICES  
 Inservice Inspection Database Management System  
 Oconee Unit 3  
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**High Pressure Injection Nozzle Safe End**

ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DI/THK	CAL BLOCKS	COMMENTS
G02.001.001	3PDA1-47	ISI-OCN3-011 OFD-100A-3.2	NDE-600	UT	SS	3.500 0.750	40416	A1 Discharge Make Up Nozzle Safe End PC.47. Reference Section 7 Paragraph 7.1.2 of the ISI Plan - Volume 1.
G02.001.001A	3PDA1-47	ISI-OCN3-011 OFD-100A-3.2	NDE-12	RT	SS	3.500 0.750		A1 Discharge Make Up Nozzle Safe End PC.47. Reference Section 7 Paragraph 7.1.2 of the ISI Plan - Volume 1.
G02.001.002	3PDA2-47	ISI-OCN3-012 OFD-100A-3.2	NDE-600	UT	SS	3.500 0.750	40416	A2 Discharge Make Up Nozzle Safe End PC.47. Reference Section 7 Paragraph 7.1.2 of the ISI Plan - Volume 1.
G02.001.002A	3PDA2-47	ISI-OCN3-012 OFD-100A-3.2	NDE-12	RT	SS	3.500 0.750		A2 Discharge Make Up Nozzle Safe End PC.47. Reference Section 7 Paragraph 7.1.2 of the ISI Plan - Volume 1.
G02.001.003	3PDB1-47	ISI-OCN3-013 OFD-100A-3.2	NDE-12	RT	SS	3.500 0.750		B1 Discharge HPI Nozzle Safe End PC.47. Reference Section 7 Paragraph 7.1.2 of the ISI Plan - Volume 1.
G02.001.004	3PDB2-47	ISI-OCN3-014 OFD-100A-3.2	NDE-12	RT	SS	3.500 0.750		B2 Discharge HPI Nozzle Safe End PC.47. Reference Section 7 Paragraph 7.1.2 of the ISI Plan - Volume 1.

Total G02.001 Items: 6

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Total Category AUG Items: 6

**CATEGORY AUG, Augmented Inspections**

DUKE POWER COMPANY  
 QUALITY ASSURANCE TECHNICAL SERVICES  
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ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
G04.001.002	3-51A-61-43C Circumferential	3-51A-61 OFD-101A-3.4	NDE-600	UT	SS	2.500	40378 0.375	Inspect 100% of weld & 1" of Base Metal(axial & circ.).Reference Section 7 Paragraph 7.1.4 of the ISI Plan  Pipe to Pipe
G04.001.004	3-51A-62-25 Circumferential	3-51A-62 OFD-101A-3.4	NDE-600	UT	SS	2.500	40378 0.375	Inspect 100% of weld & 1" of Base Metal(axial & circ.).Reference Section 7 Paragraph 7.1.4 of the ISI Plan  Valve (Valve 3HP-152) to Pipe
G04.001.006	3-51A-61-39 Circumferential	3-51A-61 OFD-101A-3.4	NDE-600	UT	SS	2.500	40378 0.375	Inspect 100% of weld & 1" of Base Metal(axial & circ.).Reference Section 7 Paragraph 7.1.4 of the ISI Plan  Pipe to Elbow
G04.001.007	3-51A-61-41 Circumferential	3-51A-61 OFD-101A-3.4	NDE-600	UT	SS	2.500	40378 0.375	Inspect 100% of weld & 1" of Base Metal(axial & circ.).Reference Section 7 Paragraph 7.1.4 of the ISI Plan  Pipe to Elbow
G04.001.008	3-51A-61-42 Circumferential	3-51A-61 OFD-101A-3.4	NDE-600	UT	SS	2.500	40378 0.375	Inspect 100% of weld & 1" of Base Metal(axial & circ.).Reference Section 7 Paragraph 7.1.4 of the ISI Plan  Elbow to Valve (Valve 3HP-153)
G04.001.009	3-51A-62-19A Circumferential	3-51A-62 OFD-101A-3.4	NDE-600	UT	SS	2.500	40378 0.375	Inspect 100% of weld & 1" of Base Metal(axial & circ.).Reference Section 7 Paragraph 7.1.4 of the ISI Plan  Pipe to Elbow
G04.001.010	3-51A-62-23 Circumferential	3-51A-62 OFD-101A-3.4	NDE-600	UT	SS	2.500	40378 0.375	Inspect 100% of weld & 1" of Base Metal(axial & circ.).Reference Section 7 Paragraph 7.1.4 of the ISI Plan  Pipe to Elbow
G04.001.011	3-51A-62-24 Circumferential	3-51A-62 OFD-101A-3.4	NDE-600	UT	SS	2.500	40378 0.375	Inspect 100% of weld & 1" of Base Metal(axial & circ.).Reference Section 7 Paragraph 7.1.4 of the ISI Plan  Elbow to Valve (Valve 3HP-152)
<b>Total G04.001 Items:</b>		<b>8</b>						
<b>Total Category AUG Items:</b>		<b>8</b>						

**CATEGORY AUG, Augmented Inspections**

DUKE POWER COMPANY  
 QUALITY ASSURANCE TECHNICAL SERVICES  
 Inservice Inspection Database Management System  
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**Inservice Inspection Plan for Interval 3 Outage 2**

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

ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
G07.001.002 Longitudinal	3-53B-33-63AL	3-53B-33	NDE-35	PT	SS	12.000 0.250		Inspect with item number G09.001.005
G07.001.003 Longitudinal	3-53B-35-27AL	3-53B-35	NDE-35	PT	SS	12.000 0.250		Inspect with item number G09.001.007
G07.001.008 Longitudinal	3-53B-47-19L	3-53B-47	NDE-35	PT	SS	10.000 0.250		Inspect with item number G09.001.016
G07.001.010 Longitudinal	3-54A-10-40L	3-54A-10	NDE-35	PT	SS	8.000 0.250		Inspect with item number G09.001.024
G07.001.012 Longitudinal	3-54A-12-14L	3-54A-12	NDE-35	PT	SS	8.000 0.250		Inspect with item number G09.001.028

**Total G07.001 Items: 5**

**Total Category AUG Items: 5**

**CATEGORY AUG, Augmented Inspections**

DUKE POWER COMPANY  
 QUALITY ASSURANCE TECHNICAL SERVICES  
 Inservice Inspection Database Management System  
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**Inservice Inspection Plan for Interval 3 Outage 2**

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

ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
G09.001.001	3-51A-50-55 Circumferential	3-51A-50 OFD-101A-3.3	NDE-35	PT	SS	6.000 0.280		Pipe to Tee
G09.001.005	3-53B-33-63A Circumferential Term end	3-53B-33 OFD-102A-3.1 OFD-102A-3.2	NDE-35	PT	SS	12.000 0.250		Elbow to Flange
G09.001.007	3-53B-35-27A Circumferential Term end	3-53B-35 OFD-102A-3.2	NDE-35	PT	SS	12.000 0.250		Elbow to Flange (LPI Pump 3C Inlet)
G09.001.016	3-53B-47-19 Circumferential	3-53B-47 OFD-102A-3.2	NDE-35	PT	SS	10.000 0.250		Elbow to Pipe
G09.001.024	3-54A-10-40 Circumferential Term end	3-54A-10 OFD-102A-3.1 OFD-103A-3.1	NDE-35	PT	SS	8.000 0.250		Elbow to Flange
G09.001.028	3-54A-12-14 Circumferential	3-54A-12 OFD-103A-3.1	NDE-35	PT	SS	8.000 0.250		Pipe to Tee

Total G09.001 Items: 6

Total Category AUG Items: 6

**CATEGORY**

DUKE POWER COMPANY  
 QUALITY ASSURANCE TECHNICAL SERVICES  
 Inservice Inspection Database Management System  
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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
G11.001.001	3RCP-3A2	OM-1201-1217 OFD-100A-3.1	QAL-13	VT-1	SS	0.000 0.000		Inspect Flg. Joint, Studs and Adj. area Per Req. for Relief ONS-011. Ref. Section 7 Paragraph 7.1.11 of the ISI Plan - Volume 1. RCP 3A2 Main Flange : Each refueling outage the flange
G11.001.002	3RCP-3B1	OM-1201-1217 OFD-100A-3.1	QAL-13	VT-1	SS	0.000 0.000		Inspect Flg. Joint, Studs and Adj. area Per Req. for Relief ONS-011. Ref. Section 7 Paragraph 7.1.11 of the ISI Plan - Volume 1. RCP 3B1 Main Flange : Each refueling outage the flange

Total G11.001 Items: 2

Total Category Items: 2

Duke Power Company  
Quality Assurance Technical Services  
Inservice Inspection Plan For:  
Oconee Unit 3  
Interval 3  
ISI Outage 2  
Refueling Outage EOC 16

**Pressure Test Listing**

Revision 0

Run Date: April 26, 1994

COONEE UNIT NUMBER 3  
CLASS A (CATEGORY 3) REQUIREMENTS  
FOR CUTAGE NUMBER 16

ITEM NO.	DRAWING	REV	TEST	COMP	COMP NAME	REQ. INSP	REQ. PROC	COMMENTS
B15.050.001	SEE COMMENTS	N/A	LEAK	VARIOUS	RC SYSTEM	VT-2	QAL-15	Drawings that make up the Class A Leakage Boundary: OFDL-100A-3.1, OFDL-100A-3.2, OFDL-100A-3.3, OFDL-101A-3.1, OFDL-101A-3.4, OFDL-101A-3.5, OFDL-102A-3.1, OFDL-102A-3.2, OFDL-102A-3.3, OFDL-110A-3.1, OFDL-110A-3.4, OFDL-127B-3.2



OCONEE UNIT NUMBER 3  
CLASS B (CATEGORY C-H) REQUIREMENTS  
FOR OUTAGE NUMBER 16

ITEM NO.	DRAWING	REV	TEST	COMP	COMP NAME	REQ. INSP	REQ. PROC	COMMENTS
C07.030.001	OFDL-101A-3.1	00	INS/FUN	VARIOUS	HPI SYSTEM	VT-2	QAL-15	Penetrations 6 and 7
C07.030.002	OFDL-101A-3.2	00	INSER	VARIOUS	HPI SYSTEM	VT-2	QAL-15	
C07.030.003	OFDL-101A-3.3	00	INSER	VARIOUS	HPI SYSTEM	VT-2	QAL-15	
C07.030.004	OFDL-101A-3.4	00	INS/FUN	VARIOUS	HPI SYSTEM	VT-2	QAL-15	Penetrations 8, 9, 10, 23 and 52
C07.030.005	OFDL-101A-3.5	00	INSER	VARIOUS	HPI SYSTEM	VT-2	QAL-15	
C07.030.006	OFDL-102A-3.1	00	INS/FUN	VARIOUS	LPI SYSTEM	VT-2	QAL-15	Penetrations 36, 37 and 62
C07.030.007	OFDL-102A-3.2	00	INS/FUN	VARIOUS	LPI SYSTEM	VT-2	QAL-15	Penetrations 15 and 16
C07.030.008	OFDL-102A-3.3	00	FUNCT	VARIOUS	LPI SYSTEM	VT-2	QAL-15	Penetrations 39 and 59
C07.030.009	OFDL-103A-3.1	00	FUNCT	VARIOUS	BS SYSTEM	VT-2	QAL-15	
C07.030.010	OFDL-104A-3.1	00	FUNCT	VARIOUS	SF SYSTEM	VT-2	QAL-15	Penetration 56
C07.030.011	OFDL-104A-3.2	00	INSER	VARIOUS	SF SYSTEM	VT-2	QAL-15	
C07.030.012	OFDL-106E-3.1	00	FUNCT	VARIOUS	DW SYSTEM	VT-2	QAL-15	Penetrations 46 and 55
C07.030.013	OFDL-107A-3.1	00	FUNCT	VARIOUS	CS SYSTEM	VT-2	QAL-15	Penetrations 18 and 38
C07.030.014	OFDL-107A-3.2	00	FUNCT	VARIOUS	CS SYSTEM	VT-2	QAL-15	Penetration 29
C07.030.015	OFDL-107B-3.1	00	FUNCT	VARIOUS	LWD SYSTEM	VT-2	QAL-15	Penetration 5
C07.030.016	OFDL-107D-3.2	00	FUNCT	VARIOUS	LWD SYSTEM	VT-2	QAL-15	Penetration 40
C07.030.017	OFDL-110A-3.1	00	INS/FUN	VARIOUS	CA SYSTEM	VT-2	QAL-15	Penetrations 2 and 58
C07.030.018	OFDL-110A-3.3	00	FUNCT	VARIOUS	CA SYSTEM	VT-2	QAL-15	Penetrations 24 and 42
C07.030.019	OFDL-110A-3.4	00	FUNCT	VARIOUS	CA SYSTEM	VT-2	QAL-15	
C07.030.020	OFDL-116A-3.1	00	FUNCT	VARIOUS	PR SYSTEM	VT-2	QAL-15	Penetrations 19 and 20

OCONEE UNIT NUMBER 3  
CLASS B (CATEGORY C-H) REQUIREMENTS  
FOR OUTAGE NUMBER 16

ITEM NO.	DRAWING	REV	TEST	COMP	COMP NAME	REQ. INSP	REQ. PROC	COMMENTS
C07.030.021	OFDL-116C-3.1	00	FUNCT	VARIOUS	PR SYSTEM	VT-2	QAL-15	Penetrations 60 and 61
C07.030.022	OFDL-121B-3.3	00	INS/FUN	VARIOUS	FDW SYSTEM	VT-2	QAL-15	Penetrations 25 and 27
C07.030.023	OFDL-121B-3.5	00	FUNCT	VARIOUS	FDW SYSTEM	VT-2	QAL-15	Penetrations 4 and 43
C07.030.024	OFDL-121D-1.2	02	FUNCT	VARIOUS	EFW SYSTEM	VT-2	QAL-15	
C07.030.025	OFDL-121D-3.1	00	FUNCT	VARIOUS	EFW SYSTEM	VT-2	QAL-15	Penetrations 17 and 50
C07.030.026	OFDL-122A-3.1	00	INSER	VARIOUS	MS SYSTEM	VT-2	QAL-15	Penetrations 26 and 28
C07.030.027	OFDL-122A-3.2	00	INSER	VARIOUS	MS SYSTEM	VT-2	QAL-15	
C07.030.028	OFDL-122A-3.3	00	INSER	VARIOUS	MS SYSTEM	VT-2	QAL-15	
C07.030.029	OFDL-122A-3.4	00	INSER	VARIOUS	MS SYSTEM	VT-2	QAL-15	
C07.030.030	OFDL-122B-3.1	00	INSER	VARIOUS	MS SYSTEM	VT-2	QAL-15	
C07.030.031	OFDL-124B-3.2	00	FUNCT	VARIOUS	LPSW SYSTEM	VT-2	QAL-15	Penetrations 30, 31, 32, 33, 34 and 35
C07.030.032	OFDL-124B-3.4	00	INSER	VARIOUS	LPSW SYSTEM	VT-2	QAL-15	Penetrations 21 and 22
C07.030.033	OFDL-127B-3.2	00	FUNCT	VARIOUS	N SYSTEM	VT-2	QAL-15	Penetrations 39 and 53
C07.030.034	OFDL-137A-3.3	00	FUNCT	VARIOUS	BA SYSTEM	VT-2	QAL-15	Penetration 48
C07.030.035	OFDL-137B-1.2	01	FUNCT	VARIOUS	IA SYSTEM	VT-2	QAL-15	Penetration 41
C07.030.036	OFDL-144A-3.2	00	FUNCT	VARIOUS	CC SYSTEM	VT-2	QAL-15	Penetrations 3 and 54
C07.030.037	OFDL-144A-3.3	00	FUNCT	VARIOUS	CC SYSTEM	VT-2	QAL-15	Penetration 44

OCONEE UNIT NUMBER 3  
CLASS C (CATEGORY 2-A) REQUIREMENTS  
FOR OUTAGE NUMBER 16

ITEM NO.	DRAWING	REV	TEST	COMP	COMP NAME	REQ. INSP	REQ. PROC	COMMENTS
D01.011.001	OFDL-100A-3.3	00	INSER	VARIOUS	RC SYSTEM	VT-2	QAL-15	
D01.011.002	OFDL-101A-3.1	00	INSER	VARIOUS	HPI SYSTEM	VT-2	QAL-15	
D01.011.003	OFDL-101A-3.2	00	INSER	VARIOUS	HPI SYSTEM	VT-2	QAL-15	
D01.011.004	OFDL-101A-3.3	00	INSER	VARIOUS	HPI SYSTEM	VT-2	QAL-15	
D01.011.005	OFDL-101A-3.4	00	INSER	VARIOUS	HPI SYSTEM	VT-2	QAL-15	
D01.011.006	OFDL-101A-3.5	00	INSER	VARIOUS	HPI SYSTEM	VT-2	QAL-15	
D01.011.007	OFDL-102A-3.1	00	INSER	VARIOUS	LPI SYSTEM	VT-2	QAL-15	
D01.011.008	OFDL-102A-3.2	00	INSER	VARIOUS	LPI SYSTEM	VT-2	QAL-15	
D01.011.009	OFDL-106A-3.2	00	INSER	VARIOUS	CT SYSTEM	VT-2	QAL-15	
D01.011.010	OFDL-109A-3.1	00	INSER	VARIOUS	HP SYSTEM	VT-2	QAL-15	
D01.011.011	OFDL-110A-3.1	00	INSER	VARIOUS	CA SYSTEM	VT-2	QAL-15	
D01.011.012	OFDL-110A-3.4	00	INSER	VARIOUS	CA SYSTEM	VT-2	QAL-15	
D01.011.013	OFDL-144A-3.2	00	INSER	VARIOUS	CC SYSTEM	VT-2	QAL-15	

OCONEE UNIT NUMBER 3  
CLASS C (CATEGORY D-B) REQUIREMENTS  
FOR OUTAGE NUMBER 16

ITEM NO.	DRAWING	REV	TEST	COMP	COMP NAME	REQ. INSP	REQ. PROC	COMMENTS
D02.011.001	OFDL-121A-1.8	02	FUNCT	VARIOUS	C SYSTEM	VT-2	QAL-15	
D02.011.002	OFDL-121A-3.3	00	FUNCT	VARIOUS	C SYSTEM	VT-2	QAL-15	
D02.011.003	OFDL-121A-3.7	00	FUNCT	VARIOUS	C SYSTEM	VT-2	QAL-15	
D02.011.004	OFDL-121A-3.8	00	FUNCT	VARIOUS	C SYSTEM	VT-2	QAL-15	
D02.011.005	OFDL-121B-3.3	00	FUNCT	VARIOUS	FDW SYSTEM	VT-2	QAL-15	
D02.011.006	OFDL-121B-3.5	00	FUNCT	VARIOUS	FDW SYSTEM	VT-2	QAL-15	
D02.011.007	OFDL-121D-3.1	00	FUNCT	VARIOUS	EFW SYSTEM	VT-2	QAL-15	
D02.011.008	OFDL-133A-2.5	01	FUNCT	VARIOUS	CCW SYSTEM	VT-2	QAL-15	
D02.011.009	OFDL-122A-3.4	00	FUNCT	VARIOUS	MS SYSTEM	VT-2	QAL-15	
D02.011.010	OFDL-124A-1.1	02	FUNCT	VARIOUS	LPSW SYSTEM	VT-2	QAL-15	
D02.011.011	OFDL-124A-3.1	00	FUNCT	VARIOUS	LPSW SYSTEM	VT-2	QAL-15	
D02.011.012	OFDL-124A-3.3	00	FUNCT	VARIOUS	LPSW SYSTEM	VT-2	QAL-15	
D02.011.013	OFDH-124B-3.1	00	FUNCT	VARIOUS	LPSW SYSTEM	VT-2	QAL-15	
D02.011.014	OFDL-124B-3.2	00	FUNCT	VARIOUS	LPSW SYSTEM	VT-2	QAL-15	
D02.011.015	OFDL-124B-3.4	00	FUNCT	VARIOUS	LPSW SYSTEM	VT-2	QAL-15	
D02.011.016	OFDL-124C-3.2	00	FUNCT	VARIOUS	HPSW SYSTEM	VT-2	QAL-15	
D02.011.017	OFDL-133A-3.1	00	FUNCT	VARIOUS	CCW SYSTEM	VT-2	QAL-15	
D02.011.018	OFDL-133A-3.2	00	FUNCT	VARIOUS	CCW SYSTEM	VT-2	QAL-15	
D02.011.019	OFDL-133A-3.3	00	FUNCT	VARIOUS	CCW SYSTEM	VT-2	QAL-15	
D02.011.020	OFDL-133A-3.4	00	FUNCT	VARIOUS	CCW SYSTEM	VT-2	QAL-15	

OCONEE UNIT NUMBER 3  
CLASS C (CATEGORY C) REQUIREMENTS  
FOR OUTAGE NUMBER 16

<u>ITEM NO.</u>	<u>DRAWING</u>	<u>REV</u>	<u>TEST</u>	<u>COMP</u>	<u>COMP NAME</u>	<u>REQ. INSP</u>	<u>REQ. PROC</u>	<u>COMMENTS</u>
D03.011.001	CFDL-104A-3.1	00	INSER	VARIOUS	SF SYSTEM	VT-2	QAL-15	
D03.011.002	CFDL-104A-3.2	00	INSER	VARIOUS	SF SYSTEM	VT-2	QAL-15	

Duke Power Company  
Quality Assurance Technical Services

Inservice Inspection Plan For:

Oconee Unit 3

Interval 3

ISI Outage 3

Refueling Outage EOC 17

## **ISI Inspection Listing**

Revision 0

Run Date: May 11, 1994

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

DUKE POWER COMPANY  
QUALITY ASSURANCE TECHNICAL SERVICES  
Inservice Inspection Database Management System  
Oconee Unit 3

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**Inservice Inspection Plan for Interval 3 Outage 3**

**Steam Generators (Primary Side)**

ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
**** Head Welds; Circumferential ****								
B02.031.061	3-SGA-WG172	ISI-OCN3-003	NDE-620	UT	CS	102.750	40393	SGA Lower Head To Transition PC. 7 to 9
	Circumferential	OM-2201-222	NDE-640			8.000		Lower Head to Transition

**Total B02.031 Items: 1**

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

DUKE POWER COMPANY  
QUALITY ASSURANCE TECHNICAL SERVICES  
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**Inservice Inspection Plan for Interval 3 Outage 3**

**Steam Generators (Primary Side)**

ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
<b>**** Tubesheet-to-Head Weld ****</b>								
B02.040.002	3-SGA-WG58-2	ISI-OCN3-003 OM-2201-222	NDE-620 NDE-640	UT	CS	119.000 8.000	40393	Steam Generator 3A Lower Head Pc.7 to Tubesheet Pc. 50
<b>Total B02.040 Items:</b>				<b>1</b>				



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

DUKE POWER COMPANY  
QUALITY ASSURANCE TECHNICAL SERVICES  
Inservice Inspection Database Management System  
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**Inservice Inspection Plan for Interval 3 Outage 3**

**Heat Exchangers (Primary Side)—Shell**

ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
<b>**** Tubesheet-to-Head Welds ****</b>								
B02.060.002	3-LDCA-OUT-V4 Circumferential	I-44773-3 OM-201-3107	NDE-630	UT	SS	8.620 0.875	40411	Letdown Cooler 3A Outlet Tubesheet Pc. 2 to Channel Body Pc. 3  Tubesheet to Channel Body

Total B02.060 Items: 1

Total Category B-B Items: 3

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

**Pressurizer**

DUKE POWER COMPANY  
QUALITY ASSURANCE TECHNICAL SERVICES  
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ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
<b>.... Nozzle-to-Vessel Welds ....</b>								
B03.110.001	3-PZR-WP15 Circumferential	ISI-OCN3-002 OM-2201-229 B&W 149786E	NDE-620 NDE-640	UT	CS	15.250 4.750	40394	Pressurizer Surge Nozzle Pc. 8 To Lower Head Pc. 6. Nozzle to To Lower Head
B03.110.006	3-PZR-WP26-4 Circumferential	ISI-OCN3-002 OM-2201-229 B 7W149789E	NDE-620 NDE-640	UT	CS	5.750 6.187	40395	Pressurizer Sensing Nozzle Pc. 30 to Shell Pc. 1 Between W & X Axis. Nozzle to To Shell
B03.110.007	3-PZR-WP26-5 Circumferential	ISI-OCN3-002 OM-2201-229 B 7W149789E	NDE-620 NDE-640	UT	CS	5.750 6.187	40395	Pressurizer Sensing Nozzle Pc. 30 to Shell Pc. 1 Between Z & Y Axis. Nozzle to To Shell
B03.110.008	3-PZR-WP26-6 Circumferential	ISI-OCN3-002 OM-2201-229 B 7W149789E	NDE-620 NDE-640	UT	CS	5.750 6.187	40395	Pressurizer Sensing Nozzle Pc. 30 to Shell Pc. 1 Between W & Z Axis. Nozzle to To Shell
<b>Total B03.110 Items:</b>		<b>4</b>						

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

DUKE POWER COMPANY  
QUALITY ASSURANCE TECHNICAL SERVICES  
Inservice Inspection Database Management System  
Oconee Unit 3

**Inservice Inspection Plan for Interval 3 Outage 3**

ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
<b>.... Nozzle Inside Radius Section ....</b>								
B03.120.001	3-PZR-WP15	ISI-OCN3-002 OM-2201-229 B 7W149786E	NDE-680	UT	CS	0.000 4.750	40394	Pressurizer Surge Nozzle Pc. 8. (Inside Radius Section).
				Nozzle to Lower Head				
B03.120.006	3-PZR-WP26-4	ISI-OCN3-002 OM-2201-229 B 7W149789E	NDE-680	UT	CS	0.000 4.750	40394	Pressurizer Sensing Nozzle Pc. 30. Between W & X Axis (Inside Radius Section).
				Nozzle to Shell				
B03.120.007	3-PZR-WP26-5	ISI-OCN3-002 OM-2201-229 B 7W149789E	NDE-680	UT	CS	0.000 4.750	40394	Pressurizer Sensing Nozzle Pc. 30. Between Z & Y Axis (Inside Radius Section).
				Nozzle to Shell				
B03.120.008	3-PZR-WP26-6	ISI-OCN3-002 OM-2201-229 B 7W149789E	NDE-680	UT	CS	0.000 4.750	40394	Pressurizer Sensing Nozzle Pc. 30. Between W & X Axis (Inside Radius Section).
				Nozzle to Shell				

Total B03.120 Items: 4

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

**Steam Generators (Primary Side)**

DUKE POWER COMPANY  
QUALITY ASSURANCE TECHNICAL SERVICES  
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ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
<b>**** Nozzle-to-Vessel Welds ****</b>								
B03.130.003	3-SGB-WG50-2	ISI-OCN3-004 OM-2201-222 B&W109610E	NDE-620 NDE-640	UI	CS	38.380 8.500	40393	Steam Generator 3B Outlet Nozzle Pc. 65 to Lower Head Pc. 7 Between W-Z Axis.
B03.130.004	3-SGB-WG50-1	ISI-OCN3-004 OM-2201-222 B&W109610E	NDE-620 NDE-640	UT	CS	38.380 8.500	40393	Steam Generator 3B Outlet Nozzle Pc. 65 to Lower Head Pc. 7 Between Y-Z Axis.
<b>Total B03.130 Items:</b>		<b>2</b>						

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

**Steam Generators (Primary Side)**

DUKE POWER COMPANY  
QUALITY ASSURANCE TECHNICAL SERVICES  
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ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK CAL BLOCKS	COMMENTS
<b>---- Nozzle Inside Radius Section ----</b>							
B03.140.003	3-SGB-WG50-2	ISI-OCN3-004 OM-2201-222 B&W109610E	NDE-680	UT	CS	38.380 40393 8.500	Steam Generator: 3B Outlet Nozzle Pc. 65 Between W-Z Axis. (Inside Radius Section)
				Nozzle to Lower Head			
B03.140.004	3-SGB-WG50-1	ISI-OCN3-004 OM-2201-222 B&W109610E	NDE-680	UT	CS	38.380 40393 8.500	Steam Generator 3B Outlet Nozzle Pc. 65 Between Y-Z Axis. (Inside Radius Section)
				Nozzle to Lower Head			
<b>Total B03.140 Items:</b>		<b>2</b>					

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

DUKE POWER COMPANY  
QUALITY ASSURANCE TECHNICAL SERVICES  
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**Inservice Inspection Plan for Interval 3 Outage 3**

Heat Exchangers (Primary Side)

ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DI/THK	CAL BLOCKS	COMMENTS
<b>---- Nozzle-to-Vessel Welds ----</b>								
B03.150.001	3-LDCA-IN-V1 Circumferential	I-44773-3 OM-201-3107 OFD-101A-3.1	NDE-630	UT	SS	3.000	40411 0.875	LDC-3A Tubeside Inlet Nozzle Pc. 5 to Channel Head Pc.3.  Nozzle to Channel Body
B03.150.002	3-LDCA-OUT-V2 Circumferential	I-44773-3 OM-201-3107 OFD-101A-3.1	NDE-630	UT	SS	3.000	40411 0.875	LDC-3A Tubeside Outlet Nozzle Pc. 5 to Channel Head Pc. 3.  Nozzle to Channel Body
<b>Total B03.150 Items:</b>		<b>2</b>						

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

DUKE POWER COMPANY  
QUALITY ASSURANCE TECHNICAL SERVICES  
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Inservice Inspection Plan for Interval 3 Outage 3

Heat Exchangers (Primary Side)

ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
---- Nozzle Inside Radius Section ----								
B03.160.001	3-LDCA-IN-V1	1-44773-3 OM-201-3107 OFD-101A-3.1	NDE-630	UT	SS	3.000 0.875	40411	LDC-3A Tubeside Inlet Nozzle Pc. 5 (Inside Radius Section). Reference Request for Relief ONS-009.
				Nozzle to Channel Body				
B03.160.002	3-LDCA-OUT-V2	1-44773-3 OM-201-3107 OFD-101A-3.1	NDE-630	UT	SS	3.000 0.875	40411	LDC-3A Tubeside Outlet Nozzle Pc. 5 to Channel Head Pc. 3. (Inside Radius Section). Reference Request for Relief ONS-009.
				Nozzle to Channel Body				

Total B03.160 Items: 2

Total Category B-D Items: 16

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

DUKE POWER COMPANY  
QUALITY ASSURANCE TECHNICAL SERVICES  
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Inservice Inspection Plan for Interval 3 Outage 3

Pressurizer

ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
<b>---- Less Than NPS 4; Nozzle-to-Safe End Butt Welds ----</b>								
B05.050.001	3-PZR-WP91-1	ISI-OCN3-002	NDE-35	PT	SS/CS	2.500		PZR Relief Nozzle SE weld; W-X Axis
	Circumferential					0.375		Nozzle (PZR Relief Nozzle) to Safe End
B05.050.002	3-PZR-WP91-2	ISI-OCN3-002	NDE-35	PT	SS/CS	2.500		PZR Relief Nozzle SE weld; X-Y Axis
	Circumferential					0.375		Nozzle (PZR Relief Nozzle) to Safe End
B05.050.003	3-PZR-WP91-3	ISI-OCN3-002	NDE-35	PT	SS/CS	2.500		PZR Relief Nozzle SE weld; Z-W Axis
	Circumferential					0.375		Nozzle (PZR Relief Nozzle) to Safe End

Total B05.050 Items: 3



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

Piping

DUKE POWER COMPANY  
QUALITY ASSURANCE TECHNICAL SERVICES  
Inservice Inspection Database Management System  
Oconee Unit 3

Inservice Inspection Plan for Interval 3 Outage 3

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ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
<b>---- NPS 4 or Larger; Dissimilar Metal Butt Welds ----</b>								
B05.130.009	3-PDA2-2	ISI-OCN3-012 OFD-100A-3.1	NDE-610	UT	SS/CS	33.500	40350 2.330	UT from elbow side
	Circumferential							Safe End to Elbow
B05.130.009A	3-PDA2-2	ISI-OCN3-012 OFD-100A-3.1	NDE-610	UT	SS/CS	33.500	40397 2.330	UT from Safe End side
	Circumferential							Safe End to Elbow
B05.130.009B	3-PDA2-2	ISI-OCN3-012 OFD-100A-3.1	NDE-35	PT	SS/CS	33.500	2.330	Safe End to Elbow
	Circumferential							
<hr/>								
Total B05.130 Items:		<b>3</b>						

**CATEGORY B-F, Pressure Retaining**

**Dissimilar Metal Welds**

**Piping**

DUKE POWER COMPANY  
QUALITY ASSURANCE TECHNICAL SERVICES  
Inservice Inspection Database Management System  
Oconee Unit 3

**Inservice Inspection Plan for Interval 3 Outage 3**

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

B05.140.006	3-PDA2-11	ISI-OCN3-012	NDE-35	PT	SS/CS	2.500		
	Circumferential	OFD-100A-3.1				0.375		Nozzle (HPI Nozzle) to Safe End

Total B05.140 Items: 1

Total Category B-F Items: 7

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

DUKE POWER COMPANY  
QUALITY ASSURANCE TECHNICAL SERVICES  
Inservice Inspection Database Management System  
Oconee Unit 3

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Inservice Inspection Plan for Interval 3 Outage 3

Pressurizer

ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
**** Flange Surface, when connection disassembled ****								
B06.070.001	3PZR-MW-FLANGE	25483F B&W 149793E	OAL-13	VT-1	CS	0.000 0.000		PZR Manway Flange Surface; includes 1" Annular Surface surrounding each stud. Inspect when connection is disassembled.

Total B06.070 Items: 1

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

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Pumps

ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
---- Bolts and Studs ----								
B06.180.005	3RCP-3A1-S	OM-1201D-0057 OM-1201D-0059	NDE-942	UT	CS	2.250 TBD 0.000		RCP 3A1 Seal Gland Bolts (8). Stud Length=11.750"

Total B06.180 Items: 1

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

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**Inservice Inspection Plan for Interval 3 Outage 3**

**Pumps**

ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
---- Flange Surface, when connection disassembled ----								
B06.190.001	3RCP-3A1-FLANGE	OM-1201D-0005 OM-1201D-0057	QAL-13	VT-1	SS	0.000 0.000		RCP 3A1 Main Flange 1" Annular Surface of Flange Surrounding each Stud.(insp. only if disass.)
B06.190.002	3RCP-3A2-FLANGE	OM-1201D-0005 OM-1201D-0057	QAL-13	VT-1	SS	0.000 0.000		RCP 3A2 Main Flange 1" Annular Surface of Flange Surrounding each Stud.(insp. only if disass.)
B06.190.003	3RCP-3B1-FLANGE	OM-1201D-0005 OM-1201D-0057	QAL-13	VT-1	SS	0.000 0.000		RCP 3B1 Main Flange 1" Annular Surface of Flange Surrounding each Stud.(insp. only if disass.)
B06.190.004	3RCP-3B2-FLANGE	OM-1201D-0005 OM-1201D-0057	QAL-13	VT-1	SS	0.000 0.000		RCP 3B2 Main Flange 1" Annular Surface of Flange Surrounding each Stud.(insp. only if disass.)
<b>Total B06.190 Items:</b>		<b>4</b>						

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

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Pumps

ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
**** Nuts, Bushings, and Washers ****								
B06.200.006	3RCP-3A1-NUTS	OM-1201D-0059 OM-1201D-0057	QAL-13	VT-1	NA	0.000 0.000		RCP 3A1 Seal Gland Nuts,Washers
B06.200.008	3RCP-3B2-NUTS	OM-1201D-0059 OM-1201D-0057	QAL-13	VT-1	NA	0.000 0.000		RCP 3B2 Seal Gland Nuts,Washers

Total B06.200 Items: 2

Total Category B-G-1 Items: 8

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

**Steam Generators**

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ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
---- Bolts, Studs, and Nuts ----								
B07.030.006	3SGA-LHIC-BOLTS	B&W 145470E	QAL-13	VT-1	CS	1.000 0.000		Steam Generator 3A Lower Head Inspection Cover Bolting

Total B07.030 Items: 1

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

**Valves**

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ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
**** Bolts, Studs, and Nuts ****								
B07.070.014	3-51A-HP126	OM-246-015	QAL-13	VT-1	NA	0.000 0.000		High Pressure Injection Valve 3-HP126 Bolting
B07.070.015	3-51A-HP127	OM-246-015	QAL-13	VT-1	NA	0.000 0.000		High Pressure Injection Valve 3-HP127 Bolting
B07.070.016	3-51A-HP152	OM-246-015	QAL-13	VT-1	NA	0.000 0.000		High Pressure Injection Valve 3-HP152 Bolting
B07.070.017	3-51A-HP153	OM-246-015	QAL-13	VT-1	NA	0.000 0.000		High Pressure Injection Valve 3-HP153 Bolting
<hr/>								
Total B07.070 Items:		4						



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

**CRD Housings**

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ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
<b>.... Bolts, Studs, and Nuts ....</b>								
B07.080.001	3-RPV-CRD-BOLTS	B&W 149902E B&W 149919E	QAL-13	VT-1	NA	0.000 0.000		Inspect Only If Disassembled; See Request for Relief ONS-004 & ONS-005; 8 bolts per CRD Housing; (14 Connections inspected up to this Date)
B07.080.002	3-RPV-CRD-RINGS	B&W 149902E B&W 149919E	QAL-13	VT-1	NA	0.000 0.000		Inspect Only If Disassembled; See Request for Relief ONS-004 & ONS-005; 1 Pair per CRD Housing; (14 Connections inspected up to this date)

**Total B07.080 Items:            2**

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**Total Category B-G-2 Items:    7**

**CATEGORY B-J, Pressure Retaining Welds  
in Piping**

**NPS 4 or Larger**

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ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
---- Circumferential Welds ----								
B09.011.011	3-PIB1-1	ISI-OCN3-009 OFD-100A-3.1	NDE-600	UT	CS	33.500	40350	2.330 Nozzle (S/G 3B Nozzle) to Pipe
B09.011.011A	3-PIB1-1	ISI-OCN3-009 OFD-100A-3.1	NDE-25	MT	CS	33.500		2.330 Nozzle (S/G 3B Nozzle) to Pipe
B09.011.016	3-PIB2-8	ISI-OCN3-010 OFD-100A-3.1	NDE-600	UT	SS	33.500	40397	2.330 Pipe (Safe End) to Nozzle (RCP 3B2 Suct Nozzle)
B09.011.016A	3-PIB2-8	ISI-OCN3-010 OFD-100A-3.1	NDE-35	PT	SS	33.500		2.330 Pipe (Safe End) to Nozzle (RCP 3B2 Suct Nozzle)
B09.011.021	3-PDB1-1	ISI-OCN3-013 OFD-100A-3.1	NDE-600	UT	SS	33.500	40397	2.330 Nozzle (3B1 Pump Outlet Nozzle) to Safe End
B09.011.021A	3-PDB1-1	ISI-OCN3-013 OFD-100A-3.1	NDE-35	PT	SS	33.500		2.330 Nozzle (3B1 Pump Outlet Nozzle) to Safe End
B09.011.033	3-PSL-9	ISI-OCN3-015 OFD-100A-3.2	NDE-600	UT	SS	10.000	40399	1.000 Elbow to Pipe
B09.011.033A	3-PSL-9	ISI-OCN3-015 OFD-100A-3.2	NDE-35	PT	SS	10.000		1.000 Elbow to Pipe
B09.011.043	3-53A-15-55	3-53A-15 (2) OFD-102A-3.2 OFD-102A-3.3	NDE-600	UT	SS	10.000	40399	1.000 Elbow to Pipe
B09.011.043A	3-53A-15-55	3-53A-15 (2) OFD-102A-3.2 OFD-102A-3.3	NDE-35	PT	SS	10.000		1.000 Elbow to Pipe

**CATEGORY B-J, Pressure Retaining Welds  
In Piping**

**NPS 4 or Larger**

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**Inservice Inspection Plan for Interval 3 Outage 3**

ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
B09.011.044	3-53A-15-57	3-53A-15 (2) OFD-102A-3.2 OFD-102A-3.3	NDE-600	UT	SS	10.000	40399 1.000	Elbow to Pipe
B09.011.044A	3-53A-15-57	3-53A-15 (2) OFD-102A-3.2 OFD-102A-3.3	NDE-35	PT	SS	10.000	1.000	Elbow to Pipe

**Total B09.011 Items: 12**

**.... Longitudinal Welds ....**

B09.012.011	3-PDA2-53LI	ISI-OCN3-012 OFD-100A-3.1	NDE-600	UT	CS	34.750	40350 2.330	Inspect with item number B05.130.009 PC 53R to PC 53L
B09.012.011A	3-PDA2-53LI	ISI-OCN3-012 OFD-100A-3.1	NDE-25	MT	CS	34.750	2.330	Inspect with item number B05.130.009A PC 53R to PC 53L
B09.012.012	3-PDA2-53LO	ISI-OCN3-012 OFD-100A-3.1	NDE-600	UT	CS	34.750	40350 2.330	Inspect with item number B05.130.009 PC 53R to PC 53L
B09.012.012A	3-PDA2-53LO	ISI-OCN3-012 OFD-100A-3.1	NDE-25	MT	CS	34.750	2.330	Inspect with item number B05.130.009A PC 53R to PC 53L

**Total B09.012 Items: 4**

**CATEGORY B-J, Pressure Retaining Welds  
In Piping  
Less Than NPS 4**

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ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
<b>---- Circumferential Welds ----</b>								
B09.021.009	3-PSP-12	ISI-OCN3-016	NDE-35	PT	SS	2.500		
	Circumferential	OFD-100A-3.2				0.375		Valve (Valve 3RC-001) to Pipe
B09.021.011	3-PSP-15	ISI-OCN3-016	NDE-35	PT	SS	2.500		
	Circumferential Stress weld	OFD-100A-3.2				0.375		Tee to Pipe
B09.021.022	3-51A-142-21	3-51A-142	NDE-35	PT	SS	3.000		
	Circumferential Term end	OFD-101A-3.1				0.438		Elbow to Letdown Cooler 3B Inlet
B09.021.023	3-51A-142-3	3-51A-142	NDE-35	PT	SS	2.500		
	Circumferential	OFD-101A-3.1				0.375		Elbow to Pipe
B09.021.032	3-51A-61-43	3-51A-61	NDE-35	PT	SS	2.500		
	Circumferential	OFD-101A-3.4				0.375		Valve (Valve 3HP-153) to Pipe
B09.021.033	3-51A-61-44A	3-51A-61	NDE-35	PT	SS	2.500		
	Circumferential Stress weld	OFD-101A-3.4				0.375		Pipe to Nozzle (Nozzle on 3B1 Disc Line)
<hr/>								
<b>Total B09.021 Items:</b>		<b>6</b>						

**CATEGORY B-J, Pressure Retaining Welds  
In Piping**

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**Branch Pipe Connection Welds**

ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
---- Less Than NPS 4 ----								
B09.032.002 Branch	3-PIA2-10	ISI-OCN3-008 OFD-100A-3.1	NDE-35	PT	CS/Inconel	12.000 2.250		NPS of the Drain Nozzle = 1.5 inch Diameter & .281 Thickness Pipe to Nozzle (Drain Nozzle)

Total B09.032 Items: 1

**CATEGORY B-J, Pressure Retaining Welds  
In Piping**

**Socket Welds**

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ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
B09.040.002	3-50-152-15	3-50-152 OFD-100A-3.2	NDE-35	PT	SS	1.500 0.281		Tee to Pipe

Total B09.040 Items: 1

Total Category B-J Items: 24

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

**Pumps**

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ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
<b>---- Pump Casing Welds ----</b>								
B12.010.001	3RCP-3A1	ISI-OCN3-007 OM-1201D-0057 OM-1201D-0005	NDE-12	RT	SS	68.000 0.000		Reactor Coolant Pump 3A1 Casing Weld. (Inspect only if disassembled for maintenance purposes, repair, ect.) Casing to Casing
B12.010.002	3RCP-3A2	ISI-OCN3-008 OM-1201D-0057 OM-1201D-0005	NDE-12	RT	SS	0.000 6.500		Reactor Coolant Pump 3A2 Casing Weld. (Inspect only if disassembled for maintenance purposes, repair, ect.) Casing to Casing
B12.010.003	3RCP-3B1	ISI-OCN3-009 OM-1201D-0057 OM-1201D-0005	NDE-12	RT	SS	0.000 6.500		Reactor Coolant Pump 3B1 Casing Weld. (Inspect only if disassembled for maintenance purposes, repair, ect.) See Request for Relief ONS-008 Casing to Casing
B12.010.004	3RCP-3B2	ISI-OCN3-010 OM-1201D-0057 OM-1201D-0005	NDE-12	RT	SS	0.000 6.500		Reactor Coolant Pump 3B2 Casing Weld. (Inspect only if disassembled for maintenance purposes, repair, ect.) Casing to Casing
<b>Total B12.010 Items:</b>		<b>4</b>						

CATEGORY B-L-2, 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 ----								
B12.020.001	3RCP-3A1-CASING	ISI-OCN3-007 OM-1201D-0057 OM-1201D-0005	QAL-14	VT-3	SS	0.000 0.000		Reactor Coolant Pump 3A1 Casing Internal Surfaces.(Inspect only if disassembled for maintenance purposes, repair,ect.)
B12.020.002	3RCP-3A2-CASING	ISI-OCN3-008 OM-1201D-0057 OM-1201D-0005	QAL-14	VT-3	SS	0.000 0.000		Reactor Coolant Pump 3A2 Casing Internal Surfaces.(Inspect only if disassembled for maintenance purposes, repair,ect.)
B12.020.003	3RCP-3B1-CASING	ISI-OCN3-009 OM-1201D-0057 OM-1201D-0005	QAL-14	VT-3	SS	0.000 0.000		Reactor Coolant Pump 3B1 Casing Internal Surfaces.(Inspect only if disassembled for maintenance purposes, repair,ect.)
B12.020.004	3RCP-3B2-CASING	ISI-OCN3-010 OM-1201D-0057 OM-1201D-0005	QAL-14	VT-3	SS	0.000 0.000		Reactor Coolant Pump 3B2 Casing Internal Surfaces.(Inspect only if disassembled for maintenance purposes, repair,ect.)

Total B12.020 Items: 4



**CATEGORY B-M-2, Valve Bodies**

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**Valves**

ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
<b>---- Valve Body, Exceeding NPS 4 ----</b>								
B12.050.001	3-53A-CF-11	OM-245-001 OFD-102A-3.3	QAL-14	VT-3	NA	14.000 0.000		A-Side Core Flood (W-Axis); Valve Body Internal Surfaces-Valve 3CF-11; (Inspect only if valve is disassembled for maintenance purposes, valve repair, ect.)
B12.050.002	3-53A-CF-12	OM-245-001 OFD-102A-3.3	QAL-14	VT-3	NA	14.000 0.000		A-Side Core Flood (W-Axis); Valve Body Internal Surfaces-Valve 3CF-12; (Inspect only if valve is disassembled for maintenance purposes, valve repair, ect.)
B12.050.003	3-53A-CF-13	OM-245-001 OFD-102A-3.3	QAL-14	VT-3	NA	14.000 0.000		B-Side Core Flood (W-Axis); Valve Body Internal Surfaces-Valve 3CF-13; (Inspect only if valve is disassembled for maintenance purposes, valve repair, ect.)
B12.050.004	3-53A-CF-14	OM-245-001 OFD-102A-3.3	QAL-14	VT-3	NA	14.000 0.000		B-Side Core Flood (W-Axis); Valve Body Internal Surfaces-Valve 3CF-14; (Inspect only if valve is disassembled for maintenance purposes, valve repair, ect.)
B12.050.005	3-53A-LP-47	OM-245-001 OFD-102A-3.2	QAL-14	VT-3	NA	14.000 0.000		B-Side LPI Valve Body Surfaces-Valve 3LP-47; (Inspect only if valve is disassembled for maintenance purposes, valve repair, ect.)
B12.050.006	3-53A-LP-48	OM-245-001 OFD-102A-3.2	QAL-14	VT-3	NA	10.000 0.000		B-Side LPI Valve Body Surfaces-Valve 3LP-48; (Inspect only if valve is disassembled for maintenance purposes, valve repair, ect.)
B12.050.007	3-53A-LP-1	OM-201-165 OFD-102A-3.1	QAL-14	VT-3	NA	12.000 0.000		B-Side LPI Valve Body Surfaces-Valve 3LP-1; (Inspect only if valve is disassembled for maintenance purposes, valve repair, ect.)
B12.050.008	3-53A-LP-2	OM-201-165 OFD-102A-3.1	QAL-14	VT-3	NA	12.000 0.000		B-Side LPI Valve Body Surfaces-Valve 3LP-2; (Inspect only if valve is disassembled for maintenance purposes, valve repair, ect.)

**Total B12.050 Items: 8**

**Total Category B-M-2 Items: 16**

**CATEGORY B-O, Pressure Retaining Welds  
In Control Rod Housings**

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Reactor Vessel

ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS	
<b>---- Welds in CRD Housing ----</b>									
B14.010.009	3RPV-CRD-54WH9	B&W 149920E	NDE-35	PT	SS/Inconel	4.060 0.650		Peripheral CRDM-HOUSING Body to Adapter	
B14.010.010	3RPV-CRD-54WH60	B&W 43-53-032-12	NDE-35	PT	SS/CS	5.000 0.500		CRDM Base to Motor Tube	
B14.010.011	3RPV-CRD-54	B&W 43-53-033-09	NDE-35	PT	SS/CS	4.300 0.400		CRDM Motor Tube to Extension	
B14.010.012	3RPV-CRD-54W61	B&W 43-53-031-02	NDE-35	PT	SS	4.190 0.380		Peripheral CRDM Extension to Cap	
<hr/>									
Total B14.010 Items:									4
Total Category B-O Items:									4



**CATEGORY C-A, Pressure Retaining Welds  
In Pressure Vessels**

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**Head Circumferential Welds**

ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIATHK CAL	BLOCKS	COMMENTS
C01.020.001	3-RC-STR-HD-1 Circumferential	OM-240-076 OFD 101A-3.5	NDE-630	UT	SS	6.625 0.216	TBD	SSF Make-Up Strainer Shell to Head
Total C01.020 Items:		1						

**CATEGORY C-A, Pressure Retaining Welds  
in Pressure Vessels**

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**Tubesheet-to-Shell Weld**

ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
C01.030.002	3SGB-WG59 Circumferential	ISI-OCN3-004 OFD 122A-3.1 OM 2201-222	NDE-620 NDE-640	UT	CS	138.000 6.625	40338	S/G B Shell to Bottom Tube Sht. PC.6 to PC.50 Tube Sht. to Shell

Total C01.030 Items: 1

Total Category C-A Items: 3

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

**Nozzles in Vessels ≤ 1/2 In. Nominal Thickness**

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ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DI/THK	CAL BLOCKS	COMMENTS
<b>---- Nozzle-to-Shell (or Head) Weld ----</b>								
C02.011.001	3-LPCB-INLET Circumferential	OM-2201-0277 OFD-102A-3.2	NDE-35	PT	SS	16.000 0.500		LP Cooler 3B Inlet Nozzle to Shell Weld Inlet Nozzle to Shell
C02.011.002	3-LPCB-OUTLET Circumferential	OM-2201-0277 OFD-102A-3.2	NDE-35	PT	SS	16.000 0.500		LP Cooler 3B Outlet Nozzle to Shell Weld Outlet Nozzle to Shell
C02.011.003	3-BWST-IN-1 Circumferential	OM-2201-0832 OFD-102A-3.1	NDE-35	PT	SS	8.000 0.500		Borated Water Storage Tank Inlet Nozzle to Shell Inlet Nozzle to Shell
<b>Total C02.011 Items:</b>		<b>3</b>						
<b>Total Category C-B Items:</b>		<b>3</b>						

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

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**Inservice Inspection Plan for Interval 3 Outage 3**

**Pressure Vessels**

ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
<b>.... Integrally Welded Attachments ....</b>								
C03.010.007	3SGB-WG84-ZW	B&W-149824E OM 2201-1451	NDE-25	MT	CS	0.000 1.000		SGB FDW. HDR. ATTACH.Z-W QUAD. NEAREST TO Z-AXIS
C03.010.008	3SGB-WG84-WZ	B&W-149824E OM 2201-1451	NDE-25	MT	CS	0.000 1.000		SGB FDW. HDR. ATTACH.W-Z QUAD. NEAREST TO W-AXIS

Total C03.010 Items: 2

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

Piping

DUKE POWER COMPANY  
QUALITY ASSURANCE TECHNICAL SERVICES  
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ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
**** Integrally Welded Attachments ****								
C03.020.003	3-01A-H1B Cor.start support	0-2480A OFD-122A-3.1 0-2490A-2(S)	NDE-25	MT	CS	26.000 1.500		File no. OSC-1334 Prob. No. 3-01-07 Main Steam System
C03.020.010	3-01A-H9A Constant support	0-2481A OFD-122A-3.1 0-2490A-3(S)	NDE-25	MT	CS	26.000 1.000		File no. OSC-1334 Prob. No. 3-01-08 Main Steam System
C03.020.045	3SGB-WG87-ZW	B&W-149824E	NDE-25	MT	CS	0.000 1.000		SGB FDW. HDR. ATTACH. Z-W QUAD. NEAREST TO Z-AXIS
C03.020.046	3SGB-WG87-WZ	B&W-149824E	NDE-25	MT	CS	0.000 1.000		SGB FDW. HDR. ATTACH. W-Z QUAD. NEAREST TO W-AXIS

Total C03.020 Items: 4

Total Category C-C Items: 6



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

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**Inservice Inspection Plan for Interval 3 Outage 3**

**Piping Welds  $\geq$  3/8 In. Nominal Wall Thickness for  
Piping  $\geq$  NPS 4**

ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
<b>---- Circumferential Weld ----</b>								
C05.011.006	3-53A-24-10	3-53A-24 OFD-102A-3.2	NDE-600	UT	SS	10.000	40354	
	Circumferential						1.125	Pipe to Valve ( 3LP-17)
C05.011.006A	3-53A-24-10	3-53A-24 OFD-102A-3.2	NDE-35	PT	SS	10.000		
	Circumferential						1.125	Pipe to Valve ( 3LP-17)
C05.011.007	3-53A-24-5	3-53A-24 OFD-102A-3.2	NDE-600	UT	SS	10.000	40354	
	Circumferential						1.125	Pipe to Elbow
C05.011.007A	3-53A-24-5	3-53A-24 OFD-102A-3.2	NDE-35	PT	SS	10.000		
	Circumferential						1.125	Pipe to Elbow
<b>Total C05.011 Items: 4</b>								

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

DUKE POWER COMPANY  
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**Piping Welds > 1/5 In. Nom Wall For Piping ≥  
NPS 2 And ≤ NPS 4**

**Inservice Inspection Plan for Interval 3 Outage 3**

ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
<b>---- Circumferential Weld ----</b>								
C05.021.006	3-51A-118-13 Circumferential	3-51A-118 OFD-101A-3.4	NDE-600	UT	SS	4.000	40406 0.531	Elbow to Pipe
C05.021.006A	3-51A-118-13 Circumferential	3-51A-118 OFD-101A-3.4	NDE-35	PT	SS	4.000	0.531	Elbow to Pipe
C05.021.014	3-51A-119-18 Circumferential	3-51A-119 OFD-101A-3.4	NDE-600	UT	SS	4.000	40406 0.531	Pipe to Valve (Valve 3HP-410)
C05.021.014A	3-51A-119-18 Circumferential	3-51A-119 OFL-101A-3.4	NDE-35	PT	SS	4.000	0.531	Pipe to Valve (Valve 3HP-410)
C05.021.023	3-51A-121-9 Circumferential	3-51A-121 OFD-101A-3.4	NDE-600	UT	SS	4.000	40406 0.531	Elbow to Elbow
C05.021.023A	3-51A-121-9 Circumferential	3-51A-121 OFD-101A-3.4	NDE-35	PT	SS	4.000	0.531	Elbow to Elbow
C05.021.039	3-51A-52-44 Circumferential	3-51A-52 OFD-101A-3.3	NDE-600	UT	SS	3.000	50225 0.438	Valve (3HP-105) to Pipe
C05.021.039A	3-51A-52-44 Circumferential	3-51A-52 OFD-101A-3.3	NDE-35	PT	SS	3.000	0.438	Valve (3HP-105) to Pipe
C05.021.042	3-51A-59-10 Circumferential	3-51A-59 OFD-101A-3.4	NDE-600	UT	SS	4.000	40406 0.674	Elbow to Pipe
C05.021.042A	3-51A-59-10 Circumferential	3-51A-59 OFD-101A-3.4	NDE-35	PT	SS	4.000	0.674	Elbow to Pipe

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

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

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ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
C05.021.053	3-51A-67-10 Circumferential	3-51A-67 OFD-101A-3.1	NDE-600	UT	SS	2.500	40378 0.375	Pipe to Elbow
C05.021.053A	3-51A-67-10 Circumferential	3-51A-67 OFD-101A-3.1	NDE-35	PT	SS	2.500	0.375	Pipe to Elbow
C05.021.063	3-51A-87-44A Circumferential	3-51A-87 OFD-101A-3.4	NDE-600	UT	SS	4.000	40406 0.531	Valve (Valve 3HP-129) to Pipe
C05.021.063A	3-51A-87-44A Circumferential	3-51A-87 OFD-101A-3.4	NDE-35	PT	SS	4.000	0.531	Valve (Valve 3HP-129) to Pipe

Total C05.021 Items: 14

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

**Pipe Branch Connections of Branch Piping  $\geq$  NPS  
2**

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ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
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\*\*\*\* Circumferential Weld \*\*\*\*

C05.041.001	3-53B-52-3	3-53B-52 OFD-104A-3.1	NDE-35	PT	SS	8.000 0.250		Weld-o-let to Pipe
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Total C05.041 Items: 1

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

**Piping Welds ≥ 3/8 In. Nominal Wall Thickness for  
Piping > NPS 4**

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ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIATHK	CAL BLOCKS	COMMENTS
<b>**** Circumferential Weld ****</b>								
C05.051.001	3-01A-10-1 Circumferential	3-01A-10 OFD-122A-3.1	NDE-12	RT	CS	36.000 1.164		Inspect with item number C05.052.001
				Pipe to Elbow				
C05.051.001A	3-01A-10-1 Circumferential	3-01A-10 OFD-122A-3.1	NDE-25	MT	CS	36.000 1.164		Inspect with item number C05.052.001A.
				Pipe to Elbow				
C05.051.002	3-01A-10-19 Circumferential	3-01A-10 OFD-122A-3.1	NDE-12	RT	CS	12.000 0.562		
				Pipe to Valve (3MS-79)				
C05.051.002A	3-01A-10-19 Circumferential	3-01A-10 OFD-122A-3.1	NDE-25	MT	CS	12.000 0.562		
				Pipe to Valve (3MS-79)				
C05.051.016	3-FWD-74-A Circumferential	3-03-27/3FWD-74 OFD-121B-3.3	NDE-12	RT	CS	24.000 1.218		
				Pipe to Elbow				
C05.051.016A	3-FWD-74-A Circumferential	3-03-27/3FWD-74 OFD-121B-3.3	NDE-25	MT	CS	24.000 1.218		
				Pipe to Elbow				
C05.051.024	3-03A-15-8 Circumferential	3-03A-15 OFD-121D-3.1	NDE-12	RT	CS	6.000 0.432		
				Pipe to Elbow				
C05.051.024A	3-03A-15-8 Circumferential	3-03A-15 OFD-121D-3.1	NDE-25	MT	CS	6.000 0.432		
				Pipe to Elbow				
C05.051.029	3-14B-116-42 Circumferential	3-14B-116 OFD-124B-3.2	NDE-12	RT	CS	8.000 0.500		
				Elbow to Pipe				
C05.051.029A	3-14B-116-42 Circumferential	3-14B-116 OFD-124B-3.2	NDE-25	MT	CS	8.000 0.500		
				Elbow to Pipe				

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

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**Inservice Inspection Plan for Interval 3 Outage 3**

**Piping Welds  $\geq$  3/8 In. Nominal Wall Thickness for  
Piping  $\geq$  NPS 4**

ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
C05.051.037	3-14B-119-40A	3-14B-119 OFD-124B-3.2	NDE-12	RT	CS	8.000 0.500		Pipe to Pipe
C05.051.037A	3-14B-119-40A	3-14B-119 OFD-124B-3.2	NDE-25	MT	CS	8.000 0.500		Pipe to Pipe

Total C05.051 Items: 12

**\*\*\*\* Longitudinal Weld \*\*\*\***

C05.052.001	3-01A-10-01L	3-01A-10	NDE-12	RT	CS	36.000 1.164		Inspect with item number C05.051.001
C05.052.001A	3-01A-10-01L	3-01A-10	NDE-25	MT	CS	36.000 1.164		Inspect with item number C05.051.001A

Total C05.052 Items: 2

**CATEGORY C-F-2, Pressure Retaining  
Welds in Carbon Or Low Alloy Steel Piping**  
Pipe Branch Connections of Branch Piping  $\geq$  NPS  
2

DUKE POWER COMPANY  
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ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
**** Circumferential Weld ****								
C05.081.002	3-MS12B-A Branch	3-01A-13/3MS-12B OFD-122A-3.1	NDE-25	MT Pipe to Pipe	CS	8.000 0.906		Branch Weld is Inaccessible due to gaurd pipe. Inspect Only if gaurd pipe is removed for Maintenance Activities or repair/replacement reasons. See Request for Relief ONS-010.
C05.081.004	3-MS12B-J Branch	3-01A-13/3MS-12B OFD-122A-3.1	NDE-25	MT Pipe to Pipe	CS	12.000 0.562		
C05.081.005	3-MS15A-F Branch	3-01A-9/3MS-15A OFD-122A-3.1	NDE-25	MT Pipe to Pipe	CS	8.000 0.906		Branch Weld is Inaccessible due to gaurd pipe. Inspect Only if gaurd pipe is removed for Maintenance Activities or repair/replacement reasons. See Request for Relief ONS-010.
C05.081.007	3-MS15A-H Branch	3-01A-9/3MS-15A OFD-122A-3.1	NDE-25	MT Pipe to Pipe	CS	8.000 0.906		Branch Weld is Inaccessible due to gaurd pipe. Inspect Only if gaurd pipe is removed for Maintenance Activities or repair/replacement reasons. See Request for Relief ONS-010.

Total C05.081 Items: 4

Total Category C-F-2 Items: 37

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

**DUKE POWER COMPANY  
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**Integral Attachment**

ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
<b>**** Component Supports and Restraints ****</b>								
D02.020.001	3-01A-HTT-2300	0-2403D	QAL-14	VT-3	NA	6.000		File no. OSC-510 Sht 2of3
	Rigid restraint	OFD-122A-3.4				0.500		Prob. No. 3-01A-04 Page 68 Main Steam to Emergency F.W. Pump
D02.020.005	3-01A-R5	4-0-2403D	QAL-14	VT-3	NA	6.000		File no. OSC-510 Sht 1of3
	Rigid restraint	OFD-122A-3.4				0.125		Prob. No. 3-01A-04 Main Steam to Emergency F.W. Pump
D02.020.007	3-01A-R13A	4-2-0-2403D	QAL-14	VT-3	NA	6.000		File no. OSC-510 Sht 1of3
	Rigid restraint	OFD-122A-3.4				0.125		Prob. No. 3-01A-04 Main Steam to Emergency F.W. Pump
D02.020.037	3-03A-H7	1-0-2439C	QAL-14	VT-3	NA	6.000		File No. OSC-1224-23
	Rigid restraint	OFD-121D-3.1				0.375		Page No. 25.3; Problem No. 3-03A-13 Aux Service Water Piping
D02.020.042	3-03A-SR166	1-0-2401B	QAL-14	VT-3	NA	6.000		File No. OSC-527
	Rigid restraint	OFD-121D-3.1				0.500		Page No. 39; Problem No. 3-03A-10 Emergency Feedwater System
D02.020.044	3-03A-SR179	1-0-2439B	QAL-14	VT-3	NA	6.000		File No. OS-524
	Rigid restraint	OFD-121D-3.1				0.500		Page No. 63; Problem No. 3-03A-07 Emergency Feedwater System
D02.020.056	3-03A-H6	1-0-2439C	QAL-14	VT-3	NA	6.000		File No. OSC-1224-23
	Rigid restraint	OFD-121D-3.1				0.375		Page No. 25.3; Problem No. 3-03A-13 Aux Service Water Piping
D02.020.074	3-03A-SR150	1-0-2400B	QAL-14	VT-3	NA	6.000		File No. OSC-527
	Rigid restraint	OFD-121D-3.1				1.000		Page No. 39; Problem No. 3-03A-10 Emergency Feedwater System
D02.020.077	3-03A-SR181	1-0-2439C	QAL-14	VT-3	NA	6.000		File No. OS-524
	Rigid restraint	OFD-121D-3.1				0.500		Page No. 63; Problem No. 3-03A-07 Emergency Feedwater System
D02.020.078	3-03A-SR183	1-0-2439C	QAL-14	VT-3	NA	6.000		File No. OSC-1224-23
	Rigid restraint	OFD-121D-3.1				0.500		Page No. 25.3; Problem No. 3-03A-13 Aux Service Water Piping



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

**Integral Attachment**

**DUKE POWER COMPANY  
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**Inservice Inspection Plan for Interval 3 Outage 3**

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ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
D02.020.084	3-03A-SR46 Rigid restraint	1-0-2401A OFD-121B-3.3	QAL-14	VT-3	NA	6.000 1.000		File no. OSC-513 Page 72 Prob. No. 3-03A-02 Emergency Feedwater System
D02.020.085	3-03A-SR5 Rigid restraint	1-0-2401B OFD-121D-3.1	QAL-14	VT-3	NA	6.000 1.000		File No. OSC-513 Page No. 71; Problem No. 3-03A-02 Emergency Feedwater Pump Discharge
D02.020.097	3-07A-SR18 Rigid restraint	4-0-2402A OFD-121A-3.7	QAL-14	VT-3	NA	30.000 1.000		File no. OSC-521 Page 124 Prob. No. 3-07-01 Condensate System
D02.020.101	3-07A-SR7 Rigid restraint	4-0-2400A OFD-121A-3.7	QAL-14	VT-3	NA	24.000 2.000		File no. OSC-1211 Page 28 Prob. No. 3-07-05 Condensate System
D02.020.140	3-14B-WM-7001 Rigid restraint	0-2437A OFD-121D-1.2	QAL-14	VT-3	NA	6.000 0.125		File No. OSC-529 Page No. 67.1 Problem No. 3-14B-2; Aux Service Water Piping
<b>Total D02.020 Items:</b>		<b>15</b>						

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

DUKE POWER COMPANY  
QUALITY ASSURANCE TECHNICAL SERVICES  
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**Inservice Inspection Plan for Interval 3 Outage 3**

**Integral Attachment**

ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
<b>.... Spring Type Supports ....</b>								
D02.040.008	3-03A-H157 Spring hanger	1-0-2401B OFD-121D-3.1	QAL-14	VT-3	NA	6.000 0.500		File No. OSC-527 Page No. 39; Problem No. 3-03A-10 Emergency Feedwater System
D02.040.009	3-03A-H165 Spring hanger	1-0-2401B OFD-121D-3.1	QAL-14	VT-3	NA	6.000 0.500		File No. OSC-527 Page No. 39; Problem No. 3-03A-10 Emergency Feedwater System
D02.040.028	3-14B-H1 Spring hanger	1-0-2400A OFD-124A-3.1	QAL-14	VT-3	NA	18.000 0.280		File No. OS-530 Page No. 69.1 Problem No. 3-14B-1; Low Pressure Service

Total D02.040 Items: 3  
Total Category D-B Items: 18

**CATEGORY F-A, Supports (Category C)**

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

ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS	
F01.012.001	3-50-H1A Hyd snubber	0-2479A OFD-100A-3.2	QAL-14	VT-3	NA	10.000 0.000		Dwg. No.0-2491B-2A PZR Surge Line	
F01.012.002	3-50-H6 Constant support	0-2481A OFD-100A-3.2	QAL-14	VT-3	NA	2.500 0.154		File No. OSC-1343-06 Vol.A of C Prob.No. 3-53-09 Page 138 Low Pressure Inj. Supply to PZR Spray	
F01.012.005	3-51A-H2A Hyd snubber	0-2479A OFD-101A-3.4	QAL-14	VT-3	NA	2.500 0.154		File No. OSC-1343 Vol.B of C Prob. No. 3-53-10 Page 59 H.P.I. East Coolant Loop	
F01.012.008	3-57-H13A Hyd snubber	0-2481A OFD-100A-3.2	QAL-14	VT-3	NA	4.000 0.000		File No.OSC-1351-06 Problem No.3-57-01 Dwg # 0-3RB-357001-01 PZR Relief Valve System	
<b>Total F01.012 Items:</b>		<b>4</b>							

**CATEGORY F-A, Supports (Category A)**

DUKE POWER COMPANY  
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**Class 2 Weld Connections to Building Structure**

ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
F01.020.023	3-53B-H118 Rigid restraint	5-0-2435B OFD-102A-3.1	QAL-14	VT-3	NA	12.000 0.187		File NO. OS-549 Page 78; Problem No. 3-53-01 L P Injection & Decay Heat Removal
F01.020.026	3-53B-H20 Rigid restraint	2-0-2435B OFD-102A-3.1	QAL-14	VT-3	NA	14.000 0.187		File NO. OS-549 Page 78; Problem No. 3-53-01 L P Injection & Decay Heat Removal
F01.020.028	3-53B-H43 Rigid restraint	2-0-2435D OFD-101A-3.3	QAL-14	VT-3	NA	6.000 0.000		File No. OSC-539 Prob. No. 3-51-2 Page 145 H.P.I. Pumps 3A,3B,&3C Suction Header
F01.020.036	3-54A-SR20 Rigid restraint	3-0-2439B OFD-103A-3.1	QAL-14	VT-3	NA	8.000 0.500		File No. OSC-556 Page No. 65.1 Problem No. 3-54-03
F01.020.038	3-55-SR1 Rigid restraint	1-0-2439C OFD-144A-3.2	QAL-14	VT-3	NA	6.000 0.000		File No. OSC-558 Page 42.3 Prob. No. 3-55-01 System 55
<b>Total F01.020 Items:</b>		<b>5</b>						
F01.021.029	3-55-DE002 Rigid restraint	0-2439A OFD-144A-3.2	QAL-14	VT-3	NA	6.000 0.000		File noOSC-559 Page 60A Prob. No. 3-55-02 System 55
<b>Total F01.021 Items:</b>		<b>1</b>						
F01.022.002	3-01A-H9A Constant support	0-2481A OFD-122A-3.1 0-2490A-3(S)	QAL-14	VT-3	CS	26.000 1.000		File no. OSC-1334 Prob. No. 3-01-08 Main Steam System
F01.022.018	3-55-H33 Spring hanger	1-0-2439A OFD-144A-3.2	QAL-14	VT-3	NA	6.000 0.000		File No. OSC-559 Page 60A Prob. No. 3-55-02 System 55

CATEGORY F-A. Supports (Category C)

DUKE POWER COMPANY  
QUALITY ASSURANCE TECHNICAL SERVICES  
Inservice Inspection Database Management System  
Oconee Unit 3

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Inservice Inspection Plan for Interval 3 Outage 3

Class 2 Weld Connections to Building Structure

ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
F01.022.019	3-56-H10 Hyd snubber	0-2478A OFD-104A-3.1	QAL-14	VT-3	NA	8.000 0.000		File No. OSC-1339 Page No. 81 Problem No. 3-56-03 Spent Fuel Cooling

Total F01.022 Items: 3

**CATEGORY F-A, Supports (Category B)**

DUKE POWER COMPANY  
 QUALITY ASSURANCE TECHNICAL SERVICES  
 Inservice Inspection Database Management System  
 Oconee Unit 3

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**Inservice Inspection Plan for Interval 3 Outage 3**

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

ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
F01.031.008	3-03A-H6 Rigid restraint	1-0-2439C OFD-121D-3.1	QAL-14	VT-3	NA	6.000 0.375		File No. OSC-1224-23 Page No. 25.3 Problem No. 3-03A-13 Aux Service Water Piping
F01.031.013	3-07A-SR7 Rigid restraint	4-0-2400A OFD-121A-3.7	QAL-14	VT-3	NA	24.000 2.000		File no. OSC-1211 Page 28 Prob. No. 3-07-05 Condensate System
F01.031.020	3-14B-WM-7001 Rigid restraint	0-2437A OFD-121D-1.2	QAL-14	VT-3	NA	6.000 0.125		File No. OSC-529 Page No. 67.1 Problem No. 3-14B-2 Aux Service Water Piping

**Total F01.031 Items: 3**

CATEGORY F-A, Supports

DUKE POWER COMPANY  
QUALITY ASSURANCE TECHNICAL SERVICES  
Inservice Inspection Database Management System  
Oconee Unit 3

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Inservice Inspection Plan for Interval 3 Outage 3

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

ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
F01.040.009	3-EFDW-TD-PU	0M 206A-0001 OFD 121D-3.1	QAL-14	VT-3	NA	0.000 0.000		Emerg. Feedwater Turbine Driven Pump Pump Support & Pad. Class C
F01.040.010	3-EFDW-MD-PU-A	0M 206-0036 OFD 121D-3.1	QAL-14	VT-3	NA	0.000 0.000		Emerg. Feedwater Motor Driven Pump 3A Pump Support & Pad. Class C

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Total F01.040 Items:        2

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Total Category F-A Items:    18

**CATEGORY AUG, Augmented Inspections**

DUKE POWER COMPANY  
 QUALITY ASSURANCE TECHNICAL SERVICES  
 Inservice Inspection Database Management System  
 Oconee Unit 3

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**Inservice Inspection Plan for Interval 3 Outage 3**

**Reactor Coolant Pump Flywheel**

ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
G01.001.001A	3-RCP-3A1	OM-201D-038 OFD-100A-3.1	NDE-25	MT	CS	72.000 9.500		Reference Section 7 Paragraph 7.1.1 of the ISI Plan - Volume 1. RCP 3A1 Flywheel to Other
G01.001.002A	3-RCP-3A2	OM-201D-038 OFD-100A-3.1	NDE-25	MT	CS	72.000 9.500		Reference Section 7 Paragraph 7.1.1 of the ISI Plan - Volume 1. RCP 3A2 Flywheel to Other
G01.001.003A	3-RCP-3B1	OM-201D-038 OFD-100A-3.1	NDE-25	MT	CS	72.000 9.500		Reference Section 7 Paragraph 7.1.1 of the ISI Plan - Volume 1. RCP 3B1 Flywheel to Other
G01.001.004A	3-RCP-3B2	OM-201D-038 OFD-100A-3.1	NDE-25	MT	CS	72.000 9.500		Reference Section 7 Paragraph 7.1.1 of the ISI Plan - Volume 1. RCP 3B2 Flywheel to Other

Total G01.001 Items: 4

Total Category AUG Items: 4



**CATEGORY AUG, Augmented Inspections**

DUKE POWER COMPANY  
 QUALITY ASSURANCE TECHNICAL SERVICES  
 Inservice Inspection Database Management System  
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**Inservice Inspection Plan for Interval 3 Outage 3**

ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
G04.001.001	3-51A-61-43 Circumferential	3-51A-61 OFD-101A-3.4	NDE-600	UT	SS	2.500	40378 0.375	Inspect 100% of weld & 1" of Base Metal (axial & circ.). Reference Section 7 Paragraph 7.1.4 of the ISI Plan Valve (Valve 3HP-153) to Pipe
G04.001.003	3-51A-61-44A Circumferential Stress weld	3-51A-61 OFD-101A-3.4	NDE-600	UT	SS	2.500	40378 0.375	Inspect 100% of weld & 1" of Base Metal (axial & circ.). Reference Section 7 Paragraph 7.1.4 of the ISI Plan Pipe to Nozzle (Nozzle on 3B1 Disc Line)
Total G04.001 Items:		2						
Total Category AUG Items:		2						

**CATEGORY AUG, Augmented Inspections**

DUKE POWER COMPANY  
 QUALITY ASSURANCE TECHNICAL SERVICES  
 Inservice Inspection Database Management System  
 Oconee Unit 3  
 Inservice Inspection Plan for Interval 3 Outage 3

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

ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REC	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
G09.001.002	3-51A-50-61 Circumferential	3-51A-50 OFD-101A-3.3	NDE-35	PT	SS	6.000 0.280		Elbow to Pipe
G09.001.012	3-53B-38-25 Circumferential Term end	3-53B-38 OFD-102A-3.2	NDE-35	PT	SS	8.000 0.250		Reducer to Flange
G09.001.017	3-53B-LPB-2 Circumferential Term end	3-53B-47 OFD-102A-3.2 OM-201-286	NDE-35	PT	SS	16.000 0.312		Reducer to Nozzle (LPI Cooler 3B Outlet Noz)
G09.001.033	3-56-14-61 Circumferential	3-56-14 OFD-104A-3.1	NDE-35	PT	SS	8.000 0.250		Elbow to Valve (Valve 3SF-60)

Total G09.001 Items: 4

Total Category AUG Items: 4

**CATEGORY AUG, Augmented Inspections**

DUKE POWER COMPANY  
 QUALITY ASSURANCE TECHNICAL SERVICES  
 Inservice Inspection Database Management System  
 Oconee Unit 3

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**Class 1 RTE Mounting Bosses**

**Inservice Inspection Plan for Interval 3 Outage 3**

ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	REQ	MAT/SCH	DIA/THK	CAL	BLOCKS	COMMENTS
G10.001.001	3-PHA-13 Branch	ISI-OCN3-005 OFD-100A-3.1	NDE-35	PT	CS/Inconel	9.000 2.875			Reference Section 7 Paragraph 7.1.10 of the ISI Plan - Volume 1 The diameter of hole that penetrates through the nozzle into the hot leg = .613
G10.001.002	3-PHA-14 Branch	ISI-OCN3-005 OFD-100A-3.1	NDE-35	PT	CS/Inconel	9.000 2.875			Reference Section 7 Paragraph 7.1.10 of the ISI Plan - Volume 1 The diameter of hole that penetrates through the nozzle into the hot leg = .613
G10.001.003	3-PHA-15 Branch	ISI-OCN3-005 OFD-100A-3.1	NDE-35	PT	CS/Inconel	9.000 2.875			Reference Section 7 Paragraph 7.1.10 of the ISI Plan - Volume 1 The diameter of hole that penetrates through the nozzle into the hot leg = .613

Total G10.001 Items: 3

Total Category AUG Items: 3

**CATEGORY**

DUKE POWER COMPANY  
 QUALITY ASSURANCE TECHNICAL SERVICES  
 Inservice Inspection Database Management System  
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**Inservice Inspection Plan for Interval 3 Outage 3**

ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL	BLOCKS	COMMENTS
G11.001.001	3RCP-3A2	OM-1201-1217 OFD-100A-3.1	QAL-13	VT-1	SS			0.000 0.000	Inspect Flg, Joint, Studs and Adj. area Per Req. for Relief ONS-011. Ref. Section 7 Paragraph 7.1.1.11 of the ISI Plan - Volume 1. RCP 3A2 Main Flange ; Each refueling outage the flange
G11.001.002	3RCP-3B1	OM-1201-1217 OFD-100A-3.1	QAL-13	VT-1	SS			.000 0.000	Inspect Flg, Joint, Studs and Adj. area Per Req. for Relief ONS-011. Ref. Section 7 Paragraph 7.1.1.11 of the ISI Plan - Volume 1. RCP 3B1 Main Flange ; Each refueling outage the flange

Total G11.001 Items: 2

Total Category Items: 2

Duke Power Company  
Quality Assurance Technical Services  
Inservice Inspection Plan For:

Oconee Unit 3

Interval 3

ISI Outage 3

Refueling Outage EOC 17

**Pressure Test Listing**

Revision 0

Run Date: April 26, 1994

OCONEE UNIT NUMBER 3  
CLASS A (CATEGORY B) REQUIREMENTS  
FOR OUTAGE NUMBER 17

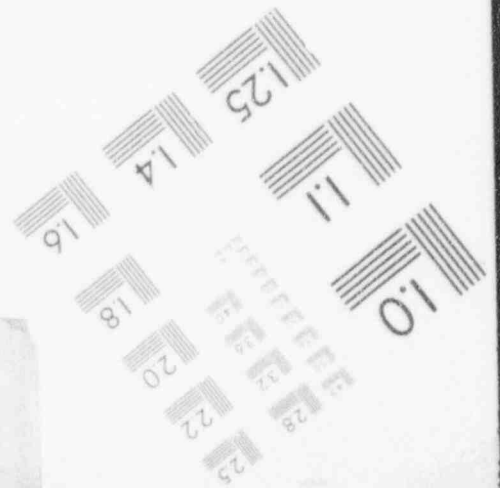
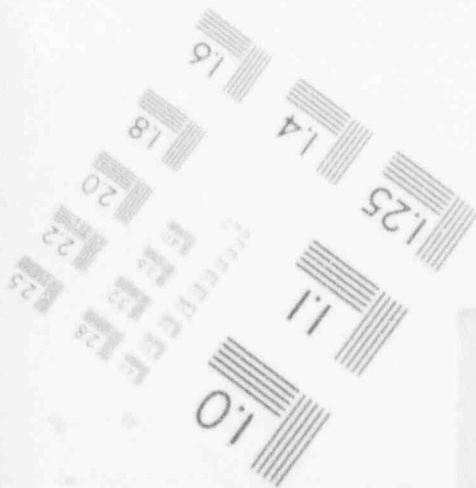
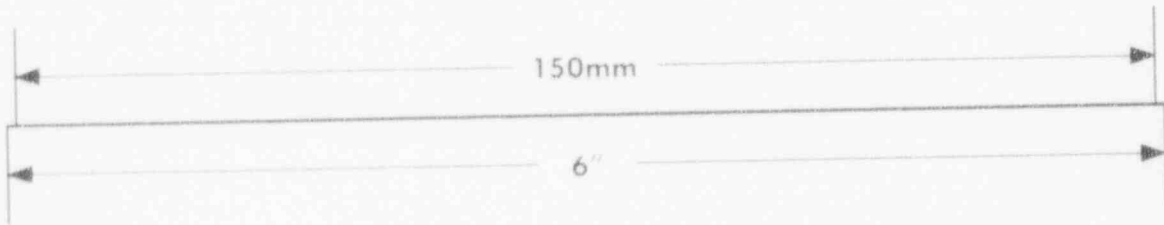
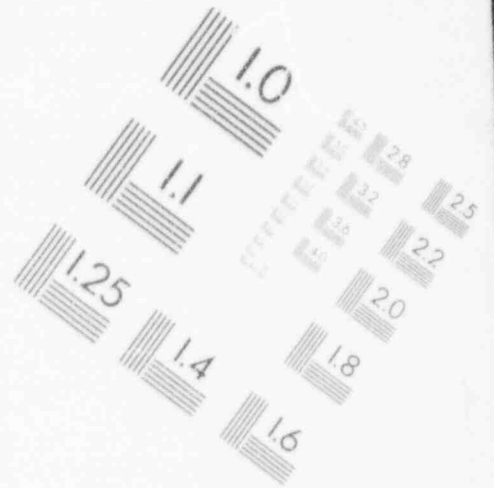
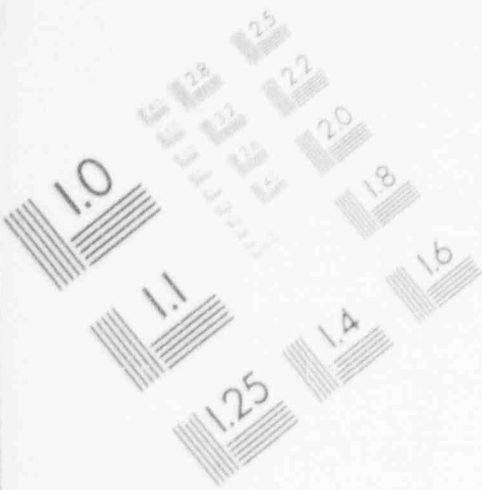
ITEM NO.	DRAWING	REV	TEST	COMP	COMP NAME	REQ. INSP	REQ. PROC	COMMENTS
B15.050.001	SEE COMMENTS	N/A	LEAK	VARIOUS	RC SYSTEM	VT-2	QAL-15	Drawings that make up the Class A Leakage Boundary: OFDL-100A-3.1, OFDL-100A-3.2, OFDL-100A-3.3, OFDL-101A-3.1, OFDL-101A-3.4, OFDL-101A-3.5, OFDL-102A-3.1, OFDL-102A-3.2, OFDL-102A-3.3, OFDL-110A-3.1, OFDL-110A-3.4, OFDL-127B-3.2

OCONEE UNIT NUMBER 3  
CLASS B (CATEGORY 2) REQUIREMENTS  
FOR OUTAGE NUMBER 17

ITEM NO.	DRAWING	REV	TEST	COMP	COMP NAME	REQ. INSP	REQ. PROC	COMMENTS
C07.030.001	OFDL-101A-3.1	00	INS/FUN	VARIOUS	HPI SYSTEM	VT-2	QAL-15	Penetrations 6 and 7
C07.030.002	OFDL-101A-3.2	00	INSER	VARIOUS	HPI SYSTEM	VT-2	QAL-15	
C07.030.003	OFDL-101A-3.3	00	INSER	VARIOUS	HPI SYSTEM	VT-2	QAL-15	
C07.030.004	OFDL-101A-3.4	00	INS/FUN	VARIOUS	HPI SYSTEM	VT-2	QAL-15	Penetrations 8, 9, 10, 23 and 52
C07.030.005	OFDL-101A-3.5	00	INSER	VARIOUS	HPI SYSTEM	VT-2	QAL-15	
C07.030.006	OFDL-102A-3.1	00	INS/FUN	VARIOUS	LPI SYSTEM	VT-2	QAL-15	Penetrations 36, 37 and 62
C07.030.007	OFDL-102A-3.2	00	INS/FUN	VARIOUS	LPI SYSTEM	VT-2	QAL-15	Penetrations 15 and 16
C07.030.008	OFDL-102A-3.3	00	FUNCT	VARIOUS	LPI SYSTEM	VT-2	QAL-15	Penetrations 39 and 59
C07.030.009	OFDL-103A-3.1	00	FUNCT	VARIOUS	BS SYSTEM	VT-2	QAL-15	
C07.030.010	OFDL-104A-3.1	00	FUNCT	VARIOUS	SF SYSTEM	VT-2	QAL-15	Penetration 56
C07.030.012	OFDL-106E-3.1	00	FUNCT	VARIOUS	DW SYSTEM	VT-2	QAL-15	Penetrations 46 and 55
C07.030.013	OFDL-107A-3.1	00	FUNCT	VARIOUS	CS SYSTEM	VT-2	QAL-15	Penetrations 18 and 38
C07.030.014	OFDL-107A-3.2	00	FUNCT	VARIOUS	CS SYSTEM	VT-2	QAL-15	Penetration 29
C07.030.015	OFDL-107B-3.1	00	FUNCT	VARIOUS	LWD SYSTEM	VT-2	QAL-15	Penetration 5
C07.030.016	OFDL-107L-3.2	00	FUNCT	VARIOUS	LWD SYSTEM	VT-2	QAL-15	Penetration 40
C07.030.017	OFDL-110A-3.1	00	INS/FUN	VARIOUS	CA SYSTEM	VT-2	QAL-15	Penetrations 2 and 58
C07.030.018	OFDL-110A-3.3	00	FUNCT	VARIOUS	CA SYSTEM	VT-2	QAL-15	Penetrations 24 and 42
C07.030.019	OFDL-110A-3.4	00	FUNCT	VARIOUS	CA SYSTEM	VT-2	QAL-15	
C07.030.020	OFDL-116A-3.1	00	FUNCT	VARIOUS	PR SYSTEM	VT-2	QAL-15	Penetrations 19 and 20
C07.030.021	OFDL-116C-3.1	00	FUNCT	VARIOUS	PR SYSTEM	VT-2	QAL-15	Penetrations 60 and 61

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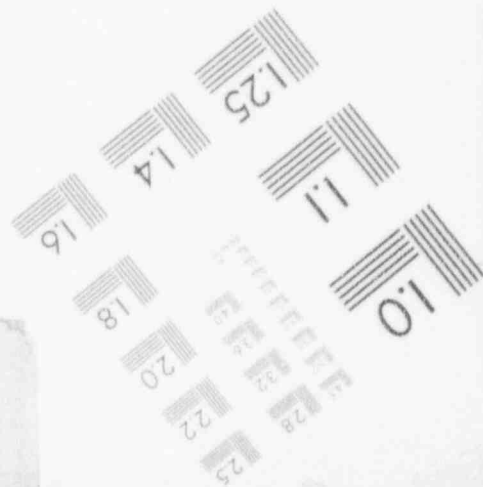
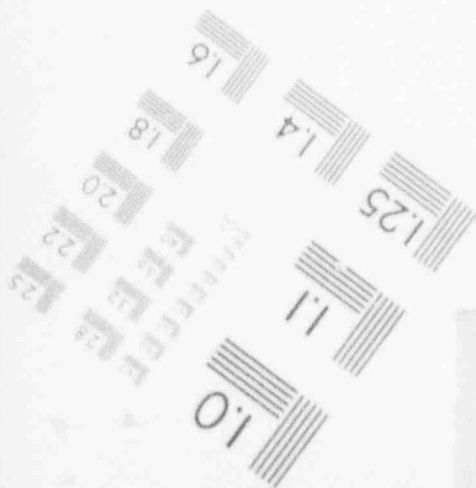
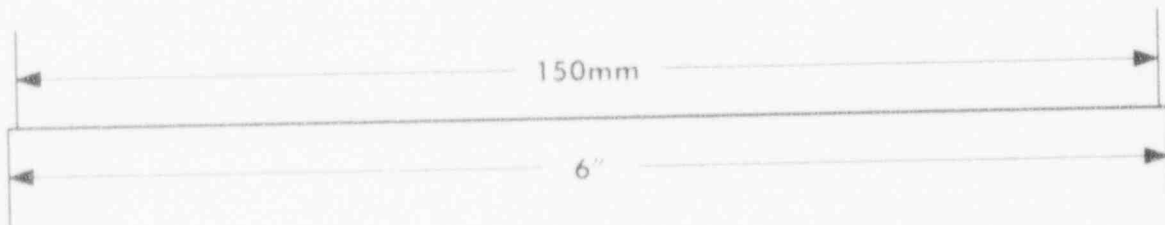
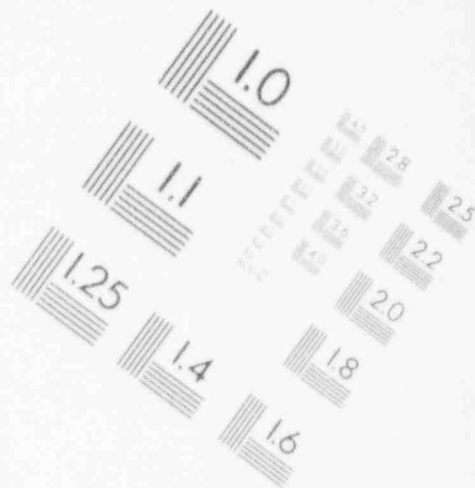
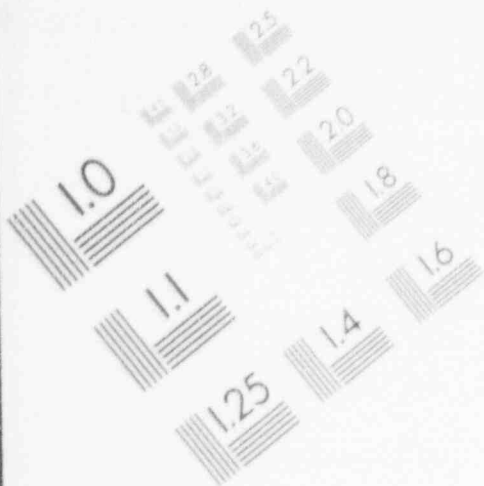
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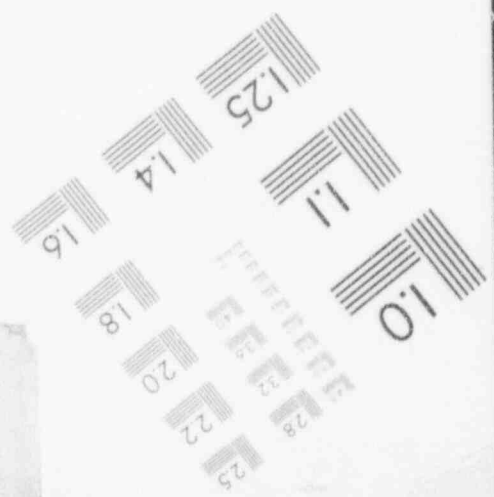
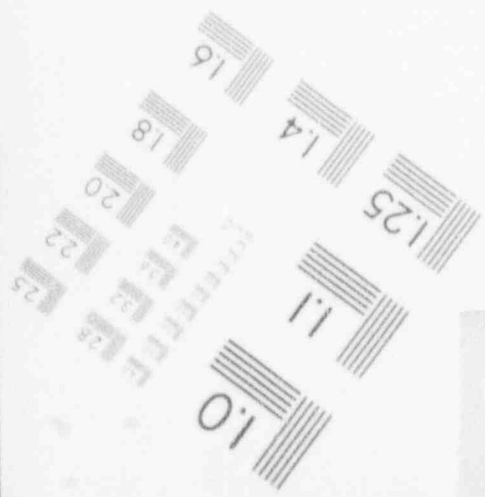
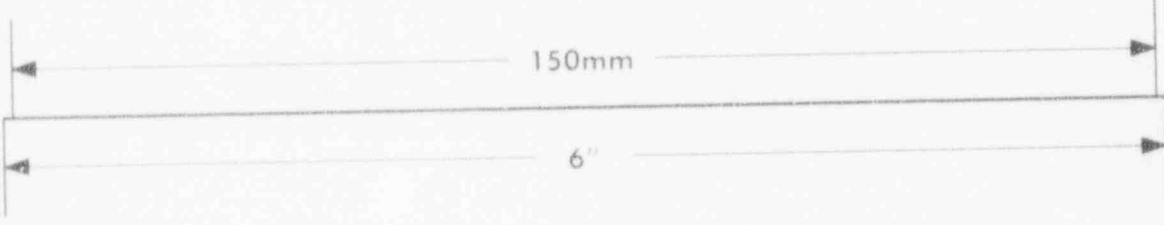
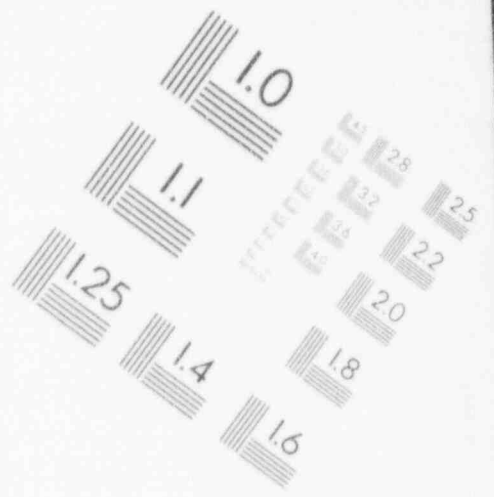
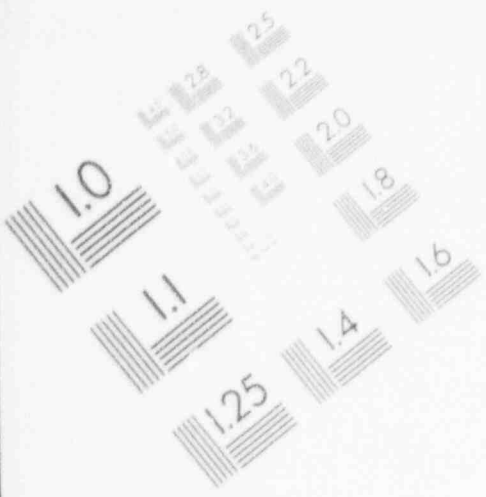
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## IMAGE EVALUATION TEST TARGET (MT-3)



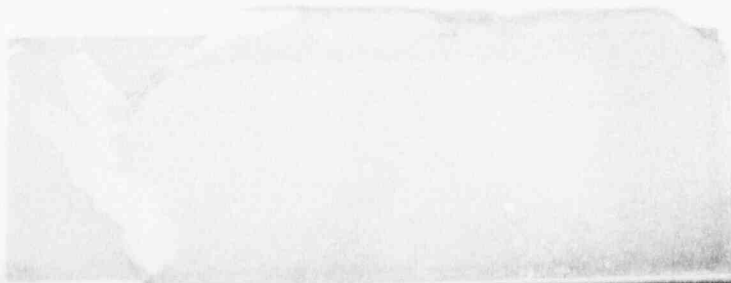
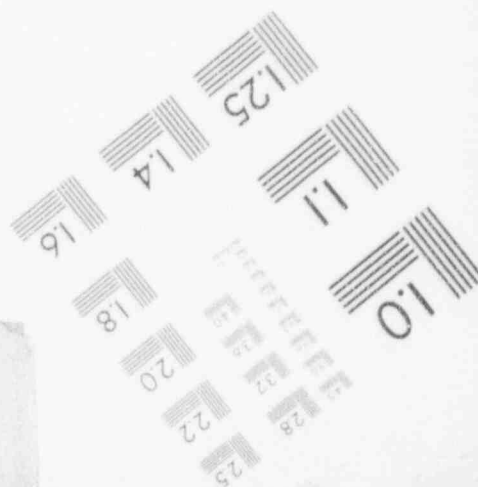
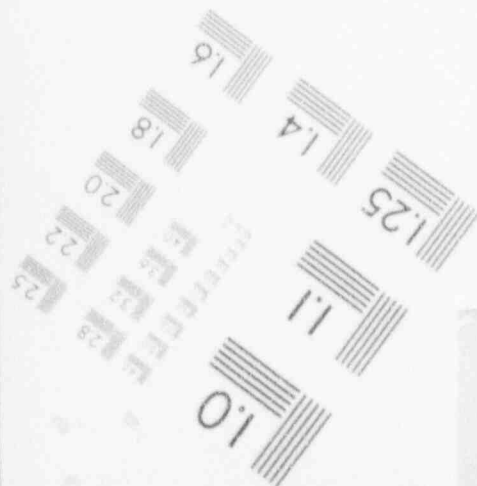
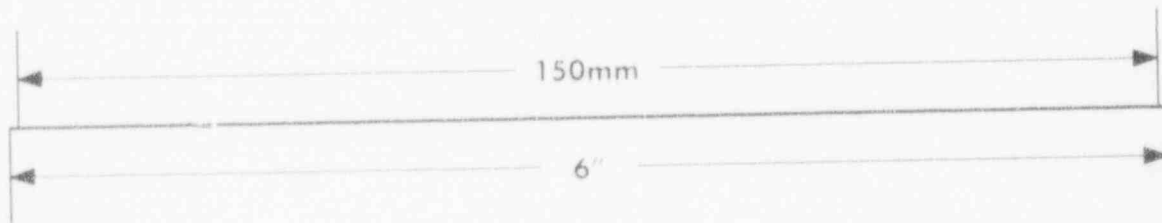
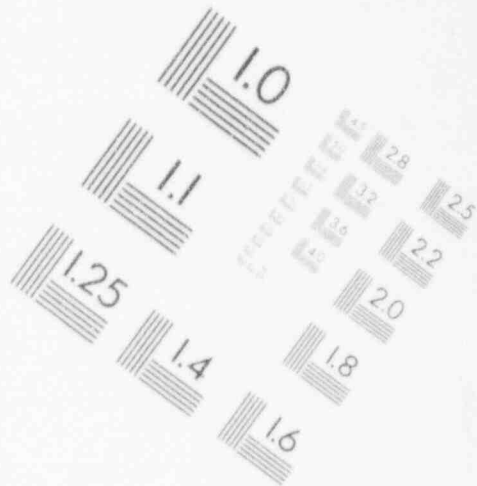
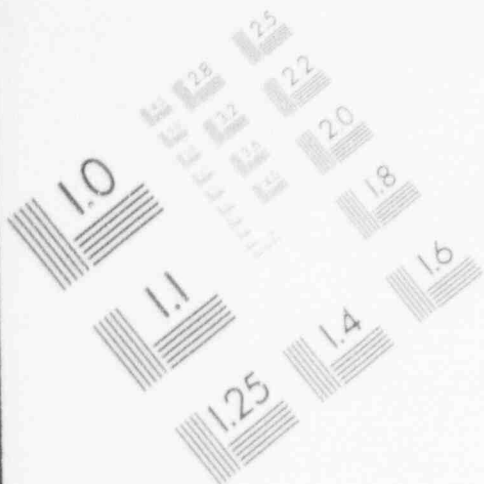
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## IMAGE EVALUATION TEST TARGET (MT-3)



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## IMAGE EVALUATION TEST TARGET (MT-3)



OCONEE UNIT NUMBER 3  
CLASS B (CATEGORY C-H) REQUIREMENTS  
FOR OUTAGE NUMBER 17

ITEM NO.	DRAWING	REV	TEST	COMP	COMP NAME	REQ. INSP	REQ. PROC	COMMENTS
C07.030.022	OFDL-121B-3.3	00	INS/FUN	VARIOUS	FDW SYSTEM	VT-2	QAL-15	Penetrations 25 and 27
C07.030.023	OFDL-121B-3.5	00	FUNCT	VARIOUS	FDW SYSTEM	VT-2	QAL-15	Penetrations 4 and 43
C07.030.024	OFDL-121D-1.2	02	FUNCT	VARIOUS	EFW SYSTEM	VT-2	QAL-15	
C07.030.025	OFDL-121D-3.1	00	FUNCT	VARIOUS	EFW SYSTEM	VT-2	QAL-15	Penetrations 17 and 50
C07.030.026	OFDL-122A-3.1	00	INSER	VARIOUS	MS SYSTEM	VT-2	QAL-15	Penetrations 26 and 28
C07.030.027	OFDL-122A-3.2	00	INSER	VARIOUS	MS SYSTEM	VT-2	QAL-15	
C07.030.028	OFDL-122A-3.3	00	INSER	VARIOUS	MS SYSTEM	VT-2	QAL-15	
C07.030.029	OFDL-122A-3.4	00	INSER	VARIOUS	MS SYSTEM	VT-2	QAL-15	
C07.030.030	OFDL-122B-3.1	00	INSER	VARIOUS	MS SYSTEM	VT-2	QAL-15	
C07.030.031	OFDL-124B-3.2	00	FUNCT	VARIOUS	LPSW SYSTEM	VT-2	QAL-15	Penetrations 30, 31, 32, 33, 34 and 35
C07.030.032	OFDL-124B-3.4	00	INSER	VARIOUS	LPSW SYSTEM	VT-2	QAL-15	Penetrations 21 and 22
C07.030.033	OFDL-127B-3.2	00	FUNCT	VARIOUS	N SYSTEM	VT-2	QAL-15	Penetrations 39 and 53
C07.030.034	OFDL-137A-3.3	00	FUNCT	VARIOUS	BA SYSTEM	VT-2	QAL-15	Penetration 48
C07.030.035	OFDL-137B-1.2	01	FUNCT	VARIOUS	IA SYSTEM	VT-2	QAL-15	Penetration 41
C07.030.036	OFDL-144A-3.2	00	FUNCT	VARIOUS	CC SYSTEM	VT-2	QAL-15	Penetrations 3 and 54
C07.030.037	OFDL-144A-3.3	00	FUNCT	VARIOUS	CC SYSTEM	VT-2	QAL-15	Penetration 44
C07.040.002	OFDH-101A-3.2	00	HYDRO	VARIOUS	HPI SYSTEM	VT-2	QAL-15	
C07.040.003	OFDH-101A-3.3	00	HYDRO	VARIOUS	HPI SYSTEM	VT-2	QAL-15	
C07.040.011	OFDH-104A-3.2	00	HYDRO	VARIOUS	SF SYSTEM	VT-2	QAL-15	

OCONEE UNIT NUMBER 3  
CLASS C (CATEGORY) REQUIREMENTS  
FOR OUTAGE NUMBER 17

ITEM NO.	DRAWING	REV	TEST	COMP	COMP NAME	REQ. INSP	REQ. PROC	COMMENTS
D01.011.001	OFDL-100A-3.3	00	INSER	VARIOUS	RC SYSTEM	VT-2	QAL-15	
D01.011.002	OFDL-101A-3.1	00	INSER	VARIOUS	HPI SYSTEM	VT-2	QAL-15	
D01.011.003	OFDL-101A-3.2	00	INSER	VARIOUS	HPI SYSTEM	VT-2	QAL-15	
D01.011.004	OFDL-101A-3.3	00	INSER	VARIOUS	HPI SYSTEM	VT-2	QAL-15	
D01.011.005	OFDL-101A-3.4	00	INSER	VARIOUS	HPI SYSTEM	VT-2	QAL-15	
D01.011.006	OFDL-101A-3.5	00	INSER	VARIOUS	HPI SYSTEM	VT-2	QAL-15	
D01.011.007	OFDL-102A-3.1	00	INSER	VARIOUS	LPI SYSTEM	VT-2	QAL-15	
D01.011.008	OFDL-102A-3.2	00	INSER	VARIOUS	LPI SYSTEM	VT-2	QAL-15	
D01.011.009	OFDL-106A-3.2	00	INSER	VARIOUS	CT SYSTEM	VT-2	QAL-15	
D01.011.010	OFDL-109A-3.1	00	INSER	VARIOUS	HP SYSTEM	VT-2	QAL-15	
D01.011.011	OFDL-110A-3.1	00	INSER	VARIOUS	CA SYSTEM	VT-2	QAL-15	
D01.011.012	OFDL-110A-3.4	00	INSER	VARIOUS	CA SYSTEM	VT-2	QAL-15	
D01.011.013	OFDL-144A-3.2	00	INSER	VARIOUS	CC SYSTEM	VT-2	QAL-15	

OCONEE UNIT NUMBER 3  
CLASS C (CATEGORY D-3) REQUIREMENTS  
FOR OUTAGE NUMBER 17

ITEM NO.	DRAWING	REV	TEST	COMP	COMP NAME	REQ. INSP	REQ. PROC	COMMENTS
D02.011.001	OFDL-121A-1.8	02	FUNCT	VARIOUS	C SYSTEM	VT-2	QAL-15	
D02.011.002	OFDL-121A-3.3	00	FUNCT	VARIOUS	C SYSTEM	VT-2	QAL-15	
D02.011.003	OFDL-121A-3.7	00	FUNCT	VARIOUS	C SYSTEM	VT-2	QAL-15	
D02.011.004	OFDL-121A-3.8	00	FUNCT	VARIOUS	C SYSTEM	VT-2	QAL-15	
D02.011.005	OFDL-121B-3.3	00	FUNCT	VARIOUS	FDW SYSTEM	VT-2	QAL-15	
D02.011.006	OFDL-121B-3.5	00	FUNCT	VARIOUS	FDW SYSTEM	VT-2	QAL-15	
D02.011.007	OFDL-121D-3.1	00	FUNCT	VARIOUS	EFW SYSTEM	VT-2	QAL-15	
D02.011.008	OFDL-133A-2.5	01	FUNCT	VARIOUS	CCW SYSTEM	VT-2	QAL-15	
D02.011.009	OFDL-122A-3.4	00	FUNCT	VARIOUS	MS SYSTEM	VT-2	QAL-15	
D02.011.010	OFDL-124A-1.1	02	FUNCT	VARIOUS	LPSW SYSTEM	VT-2	QAL-15	
D02.011.011	OFDL-124A-3.1	00	FUNCT	VARIOUS	LPSW SYSTEM	VT-2	QAL-15	
D02.011.012	OFDL-124A-3.3	00	FUNCT	VARIOUS	LPSW SYSTEM	VT-2	QAL-15	
D02.011.013	OFDH-124B-3.1	00	FUNCT	VARIOUS	LPSW SYSTEM	VT-2	QAL-15	
D02.011.014	OFDL-124B-3.2	00	FUNCT	VARIOUS	LPSW SYSTEM	VT-2	QAL-15	
D02.011.015	OFDL-124B-3.4	00	FUNCT	VARIOUS	LPSW SYSTEM	VT-2	QAL-15	
D02.011.016	OFDL-124C-3.2	00	FUNCT	VARIOUS	HPSW SYSTEM	VT-2	QAL-15	
D02.011.017	OFDL-133A-3.1	00	FUNCT	VARIOUS	CCW SYSTEM	VT-2	QAL-15	
D02.011.018	OFDL-133A-3.2	00	FUNCT	VARIOUS	CCW SYSTEM	VT-2	QAL-15	
D02.011.019	OFDL-133A-3.3	00	FUNCT	VARIOUS	CCW SYSTEM	VT-2	QAL-15	
D02.011.020	OFDL-133A-3.4	00	FUNCT	VARIOUS	CCW SYSTEM	VT-2	QAL-15	

OCONEE UNIT NUMBER 3  
CLASS C (CATEGORY C) REQUIREMENTS  
FOR OUTAGE NUMBER 17

<u>ITEM NO.</u>	<u>DRAWING</u>	<u>REV</u>	<u>TEST</u>	<u>COMP</u>	<u>COMP NAME</u>	<u>REQ. INSP</u>	<u>REQ. PROC</u>	<u>COMMENTS</u>
D03.011.001	OFDL-104A-3.1	00	INSER	VARIOUS	SF SYSTEM	VT-2	QAL-15	
D03.011.002	OFDL-104A-3.2	00	INSER	VARIOUS	SF SYSTEM	VT-2	QAL-15	

Duke Power Company  
Quality Assurance Technical Services

Inservice Inspection Plan For:

Oconee Unit 3

Interval 3

ISI Outage 4

Refueling Outage EOC 18

**ISI Inspection Listing**

Revision 0

Run Date: May 11, 1994



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

DUKE POWER COMPANY  
QUALITY ASSURANCE TECHNICAL SERVICES  
Inservice Inspection Database Management System  
Oconee Unit 3

**Piping**

**Inservice Inspection Plan for Interval 3 Outage 4**

ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIATHK	CAL BLOCKS	COMMENTS
<b>.... NPS 4 or Larger; Dissimilar Metal Butt Welds ....</b>								
B05.130.003	3-PHB-17 Circumferential	ISI-OCN3-006 OFD-100A-3.1	NDE-610	UT	CS/Inconel	10.750	40399	Inspect at the same time that you inspect weld #3-PSL-10; UT Nozzle Side
								Pipe (PZR Surge Nozzle) to Safe End Buttering
B05.130.003A	3-PHB-17 Circumferential	ISI-OCN3-006 OFD-100A-3.1	NDE-610	UT	CS/Inconel	10.750	40399	Inspect at the same time that you inspect weld #3-PSL-10; UT Pipe Side
								Pipe (PZR Surge Nozzle) to Safe End Buttering
B05.130.003B	3-PHB-17 Circumferential	ISI-OCN3-006 OFD-100A-3.1	NDE-35	PT	CS/Inconel	10.750		Inspect at the same time that you inspect weld #3-PSL-10
								Pipe (PZR Surge Nozzle) to Safe End Buttering
B05.130.012	3-PSL-10 Circumferential Stress weld	ISI-OCN3-015 OFD-100A-3.2	NDE-610	UT	SS/Inconel	10.000	40399	Inspect at the same time that you inspect weld #3-PHB-17; UT from Nozzle Side
								Pipe to Nozzle (Surge Nozzle on B Hot Leg)
B05.130.012A	3-PSL-10 Circumferential Stress weld	ISI-OCN3-015 OFD-100A-3.2	NDE-610	UT	SS/Inconel	10.000	40399	Inspect at the same time that you inspect weld #3-PHB-17; UT from Pipe Side
								Pipe to Nozzle (Surge Nozzle on B Hot Leg)
B05.130.012B	3-PSL-10 Circumferential Stress weld	ISI-OCN3-015 OFD-100A-3.2	NDE-35	PT	SS/Inconel	10.000		Inspect at the same time that you inspect weld #3-PHB-17.
								Pipe to Nozzle (Surge Nozzle on B Hot Leg)

Total B05.130 Items: 6

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

DUKE POWER COMPANY  
QUALITY ASSURANCE TECHNICAL SERVICES  
Inservice Inspection Database Management System  
Oconee Unit 3  
Inservice Inspection Plan for Interval 3 Outage 4

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Piping

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

B05.140.007	3-PDB1-11	ISI-OCN3-013 OFD-100A-3.1	NDE-35	PT	SS/CS	2.500 0.375		Pipe (HPI Nozzle) to Nozzle (Safe End)
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Total B05.140 Items: 1

Total Category B-F Items: 7

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

Reactor Vessel

DUKE POWER COMPANY  
QUALITY ASSURANCE TECHNICAL SERVICES  
Inservice Inspection Database Management System  
Oconee Unit 3  
Inservice Inspection Plan for Interval 3 Outage 4

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ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
**** Closure Head Nuts ****								
B06.010.010	3RPV-26-209-10	OM-2201-52 B&W 149922	NDE-25	MT	CS	9.250 1.300		Closure Head Nut
B06.010.011	3RPV-26-209-11	OM-2201-52 B&W 149922	NDE-25	MT	CS	9.250 1.300		Closure Head Nut
B06.010.012	3RPV-26-209-12	OM-2201-52 B&W 149922	NDE-25	MT	CS	9.250 1.300		Closure Head Nut
B06.010.013	3RPV-26-209-13	OM-2201-52 B&W 149922	NDE-25	MT	CS	9.250 1.300		Closure Head Nut
B06.010.014	3RPV-26-209-14	OM-2201-52 B&W 149922	NDE-25	MT	CS	9.250 1.300		Closure Head Nut
B06.010.015	3RPV-26-209-15	OM-2201-52 B&W 149922	NDE-25	MT	CS	9.250 1.300		Closure Head Nut
B06.010.016	3RPV-26-209-16	OM-2201-52 B&W 149922	NDE-25	MT	CS	9.250 1.300		Closure Head Nut
B06.010.017	3RPV-26-209-17	OM-2201-52 B&W 149922	NDE-25	MT	CS	9.250 1.300		Closure Head Nut
B06.010.018	3RPV-26-209-18	OM-2201-52 B&W 149922	NDE-25	MT	CS	9.250 1.300		Closure Head Nut
B06.010.019	3RPV-26-209-19	OM-2201-52 B&W 149922	NDE-25	MT	CS	9.250 1.300		Closure Head Nut

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

Reactor Vessel

DUKE POWER COMPANY  
QUALITY ASSURANCE TECHNICAL SERVICES  
Inservice Inspection Database Management System  
Oconee Unit 3

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**Inservice Inspection Plan for Interval 3 Outage 4**

ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
B06.010.020	3RPV-26-209-20	OM-2201-52 B&W 149922	NDE-25	MT	CS	9.250 1.300		Closure Head Nut
B06.010.021	3RPV-26-209-21	OM-2201-52 B&W 149922	NDE-25	MT	CS	9.250 1.300		Closure Head Nut
B06.010.022	3RPV-26-209-22	OM-2201-52 B&W 149922	NDE-25	MT	CS	9.250 1.300		Closure Head Nut
B06.010.023	3RPV-26-209-23	OM-2201-52 B&W 149922	NDE-25	MT	CS	9.250 1.300		Closure Head Nut
B06.010.024	3RPV-26-209-24	OM-2201-52 B&W 149922	NDE-25	MT	CS	9.250 1.300		Closure Head Nut

Total B06.010 Items: 15

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

DUKE POWER COMPANY  
QUALITY ASSURANCE TECHNICAL SERVICES  
Inservice Inspection Database Management System  
Oconee Unit 3  
Inservice Inspection Plan for Interval 3 Outage 4

Reactor Vessel

ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
**** Closure Studs, when removed ****								
B06.030.010	3RPV-26-209-10	OM-2201-52 B&W 149922 OM-2201-51	NDE-942	UT	CS	6.500 0.000	TBD	Reactor Closure Stud. Inspect when removed. Stud Length-63.250"
B06.030.010A	3RPV-26-209-10	OM-2201-52 B&W 149922 OM-2201-51	NDE-25	MT	CS	6.500 0.000		Reactor Closure Stud. Inspect when removed. Stud Length-63.250"
B06.030.011	3RPV-26-209-11	OM-2201-52 B&W 149922 OM-2201-51	NDE-942	UT	CS	6.500 0.000	TBD	Reactor Closure Stud. Inspect when removed. Stud Length-63.250"
B06.030.011A	3RPV-26-209-11	OM-2201-52 B&W 149922 OM-2201-51	NDE-25	MT	CS	6.500 0.000		Reactor Closure Stud. Inspect when removed. Stud Length-63.250"
B06.030.012	3RPV-26-209-12	OM-2201-52 B&W 149922 OM-2201-51	NDE-942	UT	CS	6.500 0.000	TBD	Reactor Closure Stud. Inspect when removed. Stud Length-63.250"
B06.030.012A	3RPV-26-209-12	OM-2201-52 B&W 149922 OM-2201-51	NDE-25	MT	CS	6.500 0.000		Reactor Closure Stud. Inspect when removed. Stud Length-63.250"
B06.030.013	3RPV-26-209-13	OM-2201-52 B&W 149922 OM-2201-51	NDE-942	UT	CS	6.500 0.000	TBD	Reactor Closure Stud. Inspect when removed. Stud Length-63.250"
B06.030.013A	3RPV-26-209-13	OM-2201-52 B&W 149922 OM-2201-51	NDE-25	MT	CS	6.500 0.000		Reactor Closure Stud. Inspect when removed. Stud Length-63.250"
B06.030.014	3RPV-26-209-14	OM-2201-52 B&W 149922 OM-2201-51	NDE-942	UT	CS	6.500 0.000	TBD	Reactor Closure Stud. Inspect when removed. Stud Length-63.250"
B06.030.014A	3RPV-26-209-14	OM-2201-52 B&W 149922 OM-2201-51	NDE-25	MT	CS	6.500 0.000		Reactor Closure Stud. Inspect when removed. Stud Length-63.250"

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

DUKE POWER COMPANY  
QUALITY ASSURANCE TECHNICAL SERVICES  
Inservice Inspection Database Management System  
Oconee Unit 3

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**Inservice Inspection Plan for Interval 3 Outage 4**

**Reactor Vessel**

ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
B06.030.015	3RPV-26-209-15	OM-2201-52 B&W 149922 OM-2201-51	NDE-942	UT	CS	6.500 0.000	TBD	Reactor Closure Stud. Inspect when removed. Stud Length-63.250"
B06.030.015A	3RPV-26-209-15	OM-2201-52 B&W 149922 OM-2201-51	NDE-25	MT	CS	6.500 0.000		Reactor Closure Stud. Inspect when removed. Stud Length-63.250"
B06.030.016	3RPV-26-209-16	OM-2201-52 B&W 149922 OM-2201-51	NDE-942	UT	CS	6.500 0.000	TBD	Reactor Closure Stud. Inspect when removed. Stud Length-63.250"
B06.030.016A	3RPV-26-209-16	OM-2201-52 B&W 149922 OM-2201-51	NDE-25	MT	CS	6.500 0.000		Reactor Closure Stud. Inspect when removed. Stud Length-63.250"
B06.030.017	3RPV-26-209-17	OM-2201-52 B&W 149922 OM-2201-51	NDE-942	UT	CS	6.500 0.000	TBD	Reactor Closure Stud. Inspect when removed. Stud Length-63.250"
B06.030.017A	3RPV-26-209-17	OM-2201-52 B&W 149922 OM-2201-51	NDE-25	MT	CS	6.500 0.000		Reactor Closure Stud. Inspect when removed. Stud Length-63.250"
B06.030.018	3RPV-26-209-18	OM-2201-52 B&W 149922 OM-2201-51	NDE-942	UT	CS	6.500 0.000	TBD	Reactor Closure Stud. Inspect when removed. Stud Length-63.250"
B06.030.018A	3RPV-26-209-18	OM-2201-52 B&W 149922 OM-2201-51	NDE-25	MT	CS	6.500 0.000		Reactor Closure Stud. Inspect when removed. Stud Length-63.250"
B06.030.019	3RPV-26-209-19	OM-2201-52 B&W 149922 OM-2201-51	NDE-942	UT	CS	6.500 0.000	TBD	Reactor Closure Stud. Inspect when removed. Stud Length-63.250"
B06.030.019A	3RPV-26-209-19	OM-2201-52 B&W 149922 OM-2201-51	NDE-25	MT	CS	6.500 0.000		Reactor Closure Stud. Inspect when removed. Stud Length-63.250"

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

DUKE POWER COMPANY  
QUALITY ASSURANCE TECHNICAL SERVICES  
Inservice Inspection Database Management System  
Oconee Unit 3  
**Inservice Inspection Plan for Interval 3 Outage 4**

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**Reactor Vessel**

ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
B06.030.020	3RPV-26-209-20	OM-2201-52 B&W 149922 OM-2201-51	NDE-942	UT	CS	6.500 0.000	TBD	Reactor Closure Stud. Inspect when removed. Stud Length-63.250"
B06.030.020A	3RPV-26-209-20	OM-2201-52 B&W 149922 OM-2201-51	NDE-25	MT	CS	6.500 0.000		Reactor Closure Stud. Inspect when removed. Stud Length-63.250"
B06.030.021	3RPV-26-209-21	OM-2201-52 B&W 149922 OM-2201-51	NDE-942	UT	CS	6.500 0.000	TBD	Reactor Closure Stud. Inspect when removed. Stud Length-63.250"
B06.030.021A	3RPV-26-209-21	OM-2201-52 B&W 149922 OM-2201-51	NDE-25	MT	CS	6.500 0.000		Reactor Closure Stud. Inspect when removed. Stud Length-63.250"
B06.030.022	3RPV-26-209-22	OM-2201-52 B&W 149922 OM-2201-51	NDE-942	UT	CS	6.500 0.000	TBD	Reactor Closure Stud. Inspect when removed. Stud Length-63.250"
B06.030.022A	3RPV-26-209-22	OM-2201-52 B&W 149922 OM-2201-51	NDE-25	MT	CS	6.500 0.000		Reactor Closure Stud. Inspect when removed. Stud Length-63.250"
B06.030.023	3RPV-26-209-23	OM-2201-52 B&W 149922 OM-2201-51	NDE-942	UT	CS	6.500 0.000	TBD	Reactor Closure Stud. Inspect when removed. Stud Length-63.250"
B06.030.023A	3RPV-26-209-23	OM-2201-52 B&W 149922 OM-2201-51	NDE-25	MT	CS	6.500 0.000		Reactor Closure Stud. Inspect when removed. Stud Length-63.250"
B06.030.024	3RPV-26-209-24	OM-2201-52 B&W 149922 OM-2201-51	NDE-942	UT	CS	6.500 0.000	TBD	Reactor Closure Stud. Inspect when removed. Stud Length-63.250"
B06.030.024A	3RPV-26-209-24	OM-2201-52 B&W 149922 OM-2201-51	NDE-25	MT	CS	6.500 0.000		Reactor Closure Stud. Inspect when removed. Stud Length-63.250"

**Total B06.030 Items: 30**

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

DUKE POWER COMPANY  
QUALITY ASSURANCE TECHNICAL SERVICES  
Inservice Inspection Database Management System  
Oconee Unit 3  
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Reactor Vessel

ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
**** Threads In Flange ****								
B06.040.001	3RPV LIGAMENTS	OM-2201-96 B&W 149904E	NDE-640	UT	CS	200.000 12.500	40387	Threads In Reactor Vessel Flange 0 to 180 Deg.

Total B06.040 Items: 1



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

**Reactor Vessel**

DUKE POWER COMPANY  
QUALITY ASSURANCE TECHNICAL SERVICES  
Inservice Inspection Database Management System  
Oconee Unit 3

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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	3RPV-WASH-BUSH	OM-2201-52 B&W 149922E	QAL-13	VT-1	CS	0.000 0.000		Reactor Vessel Closure Washers & Bushings.Stud Holes 10-24

Total B06.050 Items: 1

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

Pressurizer

DUKE POWER COMPANY  
QUALITY ASSURANCE TECHNICAL SERVICES  
Inservice Inspection Database Management System  
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ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
**** Flange Surface, when connection disassembled ****								
B06.070.001	3PZR-MW-FLANGE	25483F B&W 149793E	QAL-13	VT-1	CS	0.000 0.000		PZR Manway Flange Surface, Includes 1" Annular Surface surrounding each stud. Inspect when connection is disassembled.

Total B06.070 Items: 1

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

Pumps

DUKE POWER COMPANY  
QUALITY ASSURANCE TECHNICAL SERVICES  
Inservice Inspection Database Management System  
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ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
**** Bolts and Studs ****								
B06.180.008	3RCP-3B2-S	OM-1201D-0057 OM-1201D-0059	NDE-942	UT	CS	2.250 0.000	TBD	RCP 3B2 Seal Gland Bolts (8). Stud Length=11.750"
Total B06.180 Items:		1						

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

**DUKE POWER COMPANY  
QUALITY ASSURANCE TECHNICAL SERVICES  
Inservice Inspection Database Management System  
Oconee Unit 3  
Inservice Inspection Plan for Interval 3 Outage 4**

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Pumps

ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
---- Flange Surface, when connection disassembled ----								
B06.190.001	3RCP-3A1-FLANGE	OM-1201D-0005 OM-1201D-0057	QAL-13	VT-1	SS	0.000 0.000		RCP 3A1 Main Flange 1" Annular Surface of Flange Surrounding each Stud.(insp. only if disass.)
B06.190.002	3RCP-3A2-FLANGE	OM-1201D-0005 OM-1201D-0057	QAL-13	VT-1	SS	0.000 0.000		RCP 3A2 Main Flange 1" Annular Surface of Flange Surrounding each Stud.(insp. only if disass.)
B06.190.003	3RCP-3B1-FLANGE	OM-1201D-0005 OM-1201D-0057	QAL-13	VT-1	SS	0.000 0.000		RCP 3B1 Main Flange 1" Annular Surface of Flange Surrounding each Stud.(insp. only if disass.)
B06.190.004	3RCP-3B2-FLANGE	OM-1201D-0005 OM-1201D-0057	QAL-13	VT-1	SS	0.000 0.000		RCP 3B2 Main Flange 1" Annular Surface of Flange Surrounding each Stud.(insp. only if disass.)
Total B06.190 Items:		4						
Total Category B-G-1 Items:		53						

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

**CRD Housings**

DUKE POWER COMPANY  
 QUALITY ASSURANCE TECHNICAL SERVICES  
 Inservice Inspection Database Management System  
 Oconee Unit 3  
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ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
<b>**** Bolts, Studs, and Nuts ****</b>								
B07.080.001	3-RPV-CRD-BOLTS	B&W 149902E B&W 149919E	QAL-13	VT-1	NA	0.000 0.000		Inspect Only If Disassembled; See Request for Relief ONS-004 & ONS-005; 8 bolts per CRD Housing; (14 Connections inspected up to this Date)
B07.080.002	3-RPV-CRD-RINGS	B&W 149902E B&W 149919E	QAL-13	VT-1	NA	0.000 0.000		Inspect Only If Disassembled; See Request for Relief ONS-004 & ONS-005; 1 Pair per CRD Housing; (14 Connections inspected up to this date)
<b>Total B07.080 Items:</b>		<b>2</b>						
<b>Total Category B-G-2 Items:</b>		<b>2</b>						

**CATEGORY B-J, Pressure Retaining Welds  
In Piping**

**NPS 4 or Larger**

**DUKE POWER COMPANY  
QUALITY ASSURANCE TECHNICAL SERVICES  
Inservice Inspection Database Management System  
Oconee Unit 3  
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ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIATHK	CAL BLOCKS	COMMENTS
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\*\*\*\* Circumferential Welds \*\*\*\*

B09.011.002	3-PHA-12 Circumferential Term end	ISI-OCN3-005 OFD-100A-3.1	NDE-600	UT	CS	42.750 2.856	40350	Pipe to Nozzle (S/G 3A Nozzle)
B09.011.002A	3-PHA-12 Circumferential Term end	ISI-OCN3-005 OFD-100A-3.1	NDE-25	MT	CS	42.750 2.856		Pipe to Nozzle (S/G 3A Nozzle)
B09.011.017	3-PDA1-1 Circumferential Term end	ISI-OCN3-011 OFD-100A-3.1	NDE-600	UT	SS	33.500 2.330	40397	Nozzle (3A1 Pump Outlet Nozzle) to Safe End
B09.011.017A	3-PDA1-1 Circumferential Term end	ISI-OCN3-011 OFD-100A-3.1	NDE-35	PT	SS	33.500 2.330		Nozzle (3A1 Pump Outlet Nozzle) to Safe End
B09.011.025	3-PSL-1 Circumferential Term end / Stress weld	ISI-OCN3-015 OFD-100A-3.2	NDE-600	UT	SS	10.000 1.000	40399	Nozzle (PZR Surge Nozzle Safe/End) to Elbow
B09.011.025A	3-PSL-1 Circumferential Term end / Stress weld	ISI-OCN3-015 OFD-100A-3.2	NDE-35	PT	SS	10.000 1.000		Nozzle (PZR Surge Nozzle Safe/End) to Elbow
B09.011.034	3-PSP-3 Circumferential Stress weld	ISI-OCN3-016 OFD-100A-3.2	NDE-600	UT	SS	4.000 0.438	TBD	Elbow to Reducer
B09.011.034A	3-PSP-3 Circumferential Stress weld	ISI-OCN3-016 OFD-100A-3.2	NDE-35	PT	SS	4.000 0.438		Elbow to Reducer
B09.011.046	3-53A-16-5 Circumferential	3-53A-16 OFD-102A-3.3	NDE-600	UT	SS	14.000 1.250	40389	Pipe to Elbow
B09.011.046A	3-53A-16-5 Circumferential	3-53A-16 OFD-102A-3.3	NDE-35	PT	SS	14.000 1.250		Pipe to Elbow

**CATEGORY B-J, Pressure Retaining Welds**

**In Piping**

**NPS 4 or Larger**

DUKE POWER COMPANY  
QUALITY ASSURANCE TECHNICAL SERVICES  
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**Inservice Inspection Plan for Interval 3 Outage 4**

ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
B09.011.047	3-53A-17-12	3-53A-17	NDE-600	UT	SS	10.000	40399	
	Circumferential	OFD-102A-3.2				1.000		
		OFD-102A-3.3		Elbow to Pipe				
B09.011.047A	3-53A-17-12	3-53A-17	NDE-35	PT	SS	10.000		
	Circumferential	OFD-102A-3.2				1.000		
		OFD-102A-3.3		Elbow to Pipe				

Total B09.011 Items: 12

**CATEGORY B-J, Pressure Retaining Welds  
In Piping**

**Less Than NPS 4**

DUKE POWER COMPANY  
QUALITY ASSURANCE TECHNICAL SERVICES  
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**Inservice Inspection Plan for Interval 3 Outage 4**

ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
<b>**** Circumferential Welds ****</b>								
B09.021.008	3-PSP-11	ISI-OCN3-016 OFD-100A-3.2	NDE-35	PT	SS	2.500 0.375		Tee to Valve (Valve 3RC-001)
B09.021.012	3-PSP-24	ISI-OCN3-016 OFD-100A-3.2	NDE-35	PT	SS	1.500 0.281		Tee to Reducer
B09.021.019	3-51A-140-1	3-51A-140 OFD-101A-3.1	NDE-35	PT	SS	3.000 0.438		Letdown Cooler 3B Outlet to Elbow
B09.021.020	3-51A-140-29	3-51A-140 OFD-101A-3.1	NDE-35	PT	SS	2.000 0.344		Reducer to Pipe
B09.021.034	3-51A-62-15	3-51A-62 OFD-101A-3.4	NDE-35	PT	SS	2.500 0.375		Pipe to Elbow
B09.021.035	3-51A-62-26	3-51A-62 OFD-101A-3.4	NDE-35	PT	SS	2.500 0.375		Pipe to Nozzle (Nozzle on 3B2 Disch Line)
B09.021.051	3-51A-69-26A	3-51A-69 OFD-100A-3.1	NDE-35	PT	SS	2.500 0.375		Pipe to Elbow
B09.021.052	3-51A-69-29A	3-51A-69 OFD-100A-3.1	NDE-35	PT	SS	2.500 0.375		Elbow to Pipe
<b>Total B09.021 Items:</b>		<b>8</b>						



**CATEGORY B-J. Pressure Retaining Welds  
In Piping**

DUKE POWER COMPANY  
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**Branch Pipe Connection Welds**

ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
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\*\*\*\* Less Than NPS 4 \*\*\*\*

B09.032.007	3-PDB1-12	ISI-OCN3-013 OFD-100A-3.1	NDE-25	MT	CS	2.500 0.375		Pipe to Nozzle (PZR Spray Line Nozzle)
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Total B09.032 Items: 1

**CATEGORY B-J, Pressure Retaining Welds**

**In Piping**

**Socket Welds**

DUKE POWER COMPANY  
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ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIATHK	CAL BLOCKS	COMMENTS
B09.040.003	3-50-152-28	3-50-152 OFD-100A-3.2	NDE-35	PT	SS	1.500 0.281		Valve (Valve 3LP-131) to Pipe

Total B09.040 Items: 1

Total Category B-J Items: 22

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

DUKE POWER COMPANY  
QUALITY ASSURANCE TECHNICAL SERVICES  
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**Inservice Inspection Plan for Interval 3 Outage 4**

**Pumps**

ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIATHK	CAL BLOCKS	COMMENTS
<b>**** Pump Casing Welds ****</b>								
B12.010.001	3RCP-3A1	ISI-OCN3-007 OM-1201D-0057 OM-1201D-0005	NDE-12	RT	SS	68.000 0.000		Reactor Coolant Pump 3A1 Casing Weld. (Inspect only if disassembled for maintenance purposes, repair, ect.)
							Casing to Casing	
B12.010.002	3RCP-3A2	ISI-OCN3-008 OM-1201D-0057 OM-1201D-0005	NDE-12	RT	SS	0.000 6.500		Reactor Coolant Pump 3A2 Casing Weld. (Inspect only if disassembled for maintenance purposes, repair, ect.)
							Casing to Casing	
B12.010.003	3RCP-3B1	ISI-OCN3-009 OM-1201D-0057 OM-1201D-0005	NDE-12	RT	SS	0.000 6.500		Reactor Coolant Pump 3B1 Casing Weld. (Inspect only if disassembled for maintenance purposes, repair, ect.) See Request for Relief ONS-C08
							Casing to Casing	
B12.010.004	3RCP-3B2	ISI-OCN3-010 OM-1201D-0057 OM-1201D-0005	NDE-12	RT	SS	0.000 6.500		Reactor Coolant Pump 3B2 Casing Weld. (Inspect only if disassembled for maintenance purposes, repair, ect.)
							Casing to Casing	

**Total B12.010 Items: 4**

**CATEGORY B-L-2, Pump Casings**

DUKE POWER COMPANY  
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**Pumps**

ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
<b>**** Pump Casing ****</b>								
B12.020.001	3RCP-3A1-CASING	ISI-OCN3-007 OM-1201D-0057 OM-1201D-0005	QAL-14	VT-3	SS	0.000 0.000		Reactor Coolant Pump 3A1 Casing Internal Surfaces.(Inspect only if disassembled for maintenance purposes, repair,ect.) Casing Internal Surfaces to Other
B12.020.002	3RCP-3A2-CASING	ISI-OCN3-008 OM-1201D-0057 OM-1201D-0005	QAL-14	VT-3	SS	0.000 0.000		Reactor Coolant Pump 3A2 Casing Internal Surfaces.(Inspect only if disassembled for maintenance purposes, repair,ect.) Casing Internal Surfaces to Other
B12.020.003	3RCP-3B1-CASING	ISI-OCN3-009 OM-1201D-0057 OM-1201D-0005	QAL-14	VT-3	SS	0.000 0.000		Reactor Coolant Pump 3B1 Casing Internal Surfaces.(Inspect only if disassembled for maintenance purposes, repair,ect.) Casing Internal Surfaces to Other
B12.020.004	3RCP-3B2-CASING	ISI-OCN3-010 OM-1201D-0057 OM-1201D-0005	QAL-14	VT-3	SS	0.000 0.000		Reactor Coolant Pump 3B2 Casing Internal Surfaces.(Inspect only if disassembled for maintenance purposes, repair,ect.) Casing Internal Surfaces to Other
<b>Total B12.020 Items:</b>		<b>4</b>						

**CATEGORY B-M-2, Valve Bodies**

**DUKE POWER COMPANY  
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**Valves**

ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
<b>**** Valve Body, Exceeding NPS 4 ****</b>								
B12.050.001	3-53A-CF-11	OM-245-001 OFD-102A-3.3	QAL-14	VT-3	NA	14.000 0.000		A-Side Core Flood (W-Axis); Valve Body Internal Surfaces-Valve 3CF-11; (Inspect only if valve is disassembled for maintenance purposes, valve repair, ect.)
B12.050.002	3-53A-CF-12	OM-245-001 OFD-102A-3.3	QAL-14	VT-3	NA	14.000 0.000		A-Side Core Flood (W-Axis); Valve Body Internal Surfaces-Valve 3CF-12; (Inspect only if valve is disassembled for maintenance purposes, valve repair, ect.)
B12.050.003	3-53A-CF-13	OM-245-001 OFD-102A-3.3	QAL-14	VT-3	NA	14.000 0.000		B-Side Core Flood (W-Axis); Valve Body Internal Surfaces-Valve 3CF-13; (Inspect only if valve is disassembled for maintenance purposes, valve repair, ect.)
B12.050.004	3-53A-CF-14	OM-245-001 OFD-102A-3.3	QAL-14	VT-3	NA	14.000 0.000		B-Side Core Flood (W-Axis); Valve Body Internal Surfaces-Valve 3CF-14; (Inspect only if valve is disassembled for maintenance purposes, valve repair, ect.)
B12.050.005	3-53A-LP-47	OM-245-001 OFD-102A-3.2	QAL-14	VT-3	NA	14.000 0.000		B-Side LPI Valve Body Surfaces-Valve 3LP-47; (Inspect only if valve is disassembled for maintenance purposes, valve repair, ect.)
B12.050.006	3-53A-LP-48	OM-245-001 OFD-102A-3.2	QAL-14	VT-3	NA	10.000 0.000		B-Side LPI Valve Body Surfaces-Valve 3LP-48; (Inspect only if valve is disassembled for maintenance purposes, valve repair, ect.)
B12.050.007	3-53A-LP-1	OM-201-165 OFD-102A-3.1	QAL-14	VT-3	NA	12.000 0.000		B-Side LPI Valve Body Surfaces-Valve 3LP-1; (Inspect only if valve is disassembled for maintenance purposes, valve repair, ect.)
B12.050.008	3-53A-LP-2	OM-201-165 OFD-102A-3.1	QAL-14	VT-3	NA	12.000 0.000		B-Side LPI Valve Body Surfaces-Valve 3LP-2; (Inspect only if valve is disassembled for maintenance purposes, valve repair, ect.)

**Total B12.050 Items: 8**

**Total Category B-M-2 Items: 16**

**CATEGORY B-N-1, Interior of Reactor Vessel**

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QUALITY ASSURANCE TECHNICAL SERVICES  
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Reactor Vessel

ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
**** Vessel Interior ****								
B13.010.001	3RPV-INT SUR	ISI-OCN3-001	QAL-14	VT-3	SS	0.000 0.000		Interior Surfaces of Vessel, use Procedure ISI-354 also

Total B13.010 Items: 1

Total Category B-N-1 Items: 1

**CATEGORY C-A, Pressure Retaining Welds  
In Pressure Vessels**

DUKE POWER COMPANY  
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**Head Circumferential Welds**

**Inservice Inspection Plan for Interval 3 Outage 4**

ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
C01.020.003	3LPCA-HD-SHL Circumferential	OM-2201-277 OFD 102A-3.2	NDE-630	UT Shell to Head	SS	46.000 0.750	40385	LP Cooler A Head Flange to Shell

Total C01.020 Items: 1

Total Category C-A Items: 1

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

**Pressure Vessels**

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ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
<b>**** Integrally Welded Attachments ****</b>								
C03.010.001	3SGA-WG84-YZ	B&W-149824E OM 2201-1451	NDE-25	MT	CS	0.000 1.000		SGA FDW. HDR. ATTACH. Y-Z QUAD. NEAREST TO Y-AXIS
C03.010.002	3SGA-WG84-ZY	B&W-149824E OM 2201-1451	NDE-25	MT	CS	0.000 1.000		SGA FDW. HDR. ATTACH. Z-Y QUAD. NEAREST TO Z-AXIS
<b>Total C03.010 Items:</b>		<b>2</b>						



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

**DUKE POWER COMPANY  
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Piping

ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIATHK	CAL BLOCKS	COMMENTS
<b>**** Integrally Welded Attachments ****</b>								
C03.020.001	3-01A-H11B Constant support	0-2481B OFD-122A-3.1 0-2490A-2(S)	NDE-25	MT	CS	26.000 3.000		File no. OSC-1334 Prob. No. 3-01-07 Main Steam System
C03.020.009	3-01A-H7B Constant support	0-2480A OFD-122A-3.1 0-2490A-2(S)	NDE-25	MT	CS	26.000 0.750		File no. OSC-1334 Prob. No. 3-01-07 Main Steam System
C03.020.012	3-03-H15A Spring hanger	0-2481A OFD-121B-3.3	NDE-25	MT	CS	24.000 1.500		File no. OSC-1335 Page 6(1)-72 Prob. No. 3-03-07 Main Feedwater System
C03.020.014	3-14B-H10 Rigid restraint	0-2479A OFD-124B-3.2	NDE-25	MT	CS	6.000 0.750		File No. OSC-2056 Page No. 134 Problem No. 3-14B-14A
C03.020.016	3-14B-H19D Rigid restraint	0-2479A OFD-124B-3.2	NDE-25	MT	CS	8.000 1.500		File No. OSC-1344-06 Page No. 6(1) 38 Problem No. 3-14B-09; System 14B
C03.020.029	3-53B-R3 Rigid restraint	5-0-2436D OFD-102A-3.2	NDE-35	PT	SS	10.000 1.000		File No. OS-551 Page No. 61 Problem No. 3-53-04; System 53B
C03.020.039	3SGA-WG87-YZ	B&W-149824E	NDE-25	MT	CS	0.000 1.000		SGA FDW. HDR. ATTACH. Y-Z QUAD. NEAREST TO Y-AXIS
C03.020.040	3SGA-WG87-ZY	B&W-149824E	NDE-25	MT	CS	0.000 1.000		SGA FDW. HDR. ATTACH. Z-Y QUAD. NEAREST TO Z-AXIS
<b>Total C03.020 Items:</b>		<b>8</b>						
<b>Total Category C-C Items:</b>		<b>10</b>						

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

DUKE POWER COMPANY  
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**Inservice Inspection Plan for Interval 3 Outage 4**

**Piping Welds  $\geq$  3/8 In. Nominal Wall Thickness for  
Piping  $>$  NPS 4**

ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DI/THK	CAL BLOCKS	COMMENTS
<b>---- Circumferential Weld ----</b>								
C05.011.008	3-53A-24-6	3-53A-24 OFD-102A-3.2	NDE-600	UT	SS	10.000	40354	1.125 Elbow to Pipe
C05.011.008A	3-53A-24-6	3-53A-24 OFD-102A-3.2	NDE-35	PT	SS	10.000		1.125 Elbow to Pipe
<b>Total C05.011 Items:</b>		<b>2</b>						

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

DUKE POWER COMPANY  
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**Piping Welds > 1/5 In. Nom Wall For Piping ≥  
NPS 2 And ≤ NPS 4**

**Inservice Inspection Plan for Interval 3 Outage 4**

ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
<b>.... Circumferential Weld ....</b>								
C05.021.007	3-51A-118-19	3-51A-118 OFD-101A-3.4	NDE-600	UT	SS	4.000	40406	
	Circumferential					0.531		Pipe to Elbow
C05.021.007A	3-51A-118-19	3-51A-118 OFD-101A-3.4	NDE-35	PT	SS	4.000	0.531	Pipe to Elbow
C05.021.013	3-51A-119-13	3-51A-119 OFD-101A-3.4	NDE-600	UT	SS	4.000	40406	
	Circumferential					0.531		Elbow to Pipe
C05.021.013A	3-51A-119-13	3-51A-119 OFD-101A-3.4	NDE-35	PT	SS	4.000	0.531	Elbow to Pipe
C05.021.017	3-51A-120-16	3-51A-120 OFD-101A-3.4	NDE-600	UT	SS	4.000	40406	
	Circumferential					0.531		Pipe to Elbow
C05.021.017A	3-51A-120-16	3-51A-120 OFD-101A-3.4	NDE-35	PT	SS	4.000	0.531	Pipe to Elbow
C05.021.032	3-51A-50-70	3-51A-50 OFD-101A-3.3	NDE-600	UT	SS	4.000	TBD	
	Circumferential Term end					0.237		Elbow to Flange (HPI Pump 3A Inlet)
C05.021.032A	3-51A-50-70	3-51A-50 OFD-101A-3.3	NDE-35	PT	SS	4.000	0.237	Elbow to Flange (HPI Pump 3A Inlet)
C05.021.040	3-51A-52-46	3-51A-52 OFD-101A-3.3	NDE-600	UT	SS	3.000	50225	
	Circumferential Term end					0.438		Elbow to Flange (HPI Pump 3A Outlet)
C05.021.040A	3-51A-52-46	3-51A-52 OFD-101A-3.3	NDE-35	PT	SS	3.000	0.438	Elbow to Flange (HPI Pump 3A Outlet)

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

**Piping Welds > 1/5 In. Nom Wall For Piping ≥  
NPS 2 And ≤ NPS 4**

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ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
C05.021.043	3-51A-59-12A Circumferential	3-51A-59 OFD-101A-3.4	NDE-600	UT	SS	4.000	40406 0.674	Pipe to Tee
C05.021.043A	3-51A-59-12A Circumferential	3-51A-59 OFD-101A-3.4	NDE-35	PT	SS	4.000	0.674	Pipe to Tee
C05.021.050	3-51A-61-2 Circumferential	3-51A-61 OFD-101A-3.4	NDE-600	UT	SS	4.000	40406 0.674	Pipe to Valve (Valve 3HP-188)
C05.021.050A	3-51A-61-2 Circumferential	3-51A-61 OFD-101A-3.4	NDE-35	PT	SS	4.000	0.674	Pipe to Valve (Valve 3HP-188)
C05.021.054	3-51A-67-28 Circumferential	3-51A-67 OFD-101A-3.1	NDE-600	UT	SS	2.500	40378 0.375	Elbow to Pipe
C05.021.054A	3-51A-67-28 Circumferential	3-51A-67 OFD-101A-3.1	NDE-35	PT	SS	2.500	0.375	Elbow to Pipe
C05.021.064	3-51A-87-54A Circumferential	3-51A-87 OFD-101A-3.4	NDE-600	UT	SS	4.000	40406 0.531	Valve (Valve 3HP-130) to Pipe
C05.021.064A	3-51A-87-54A Circumferential	3-51A-87 OFD-101A-3.4	NDE-35	PT	SS	4.000	0.531	Valve (Valve 3HP-130) to Pipe

**Total C05.021 Items: 18**

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

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

DUKE POWER COMPANY  
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ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
---- Circumferential Weld ----								
C05.051.008	3-01A-17-4	3-01A-17 OFD-122A-3.1	NDE-12	RT	CS	12.000		
	Circumferential					0.562		Pipe to Elbow
C05.051.008A	3-01A-17-4	3-01A-17 OFD-122A-3.1	NDE-25	MT	CS	12.000		
	Circumferential					0.562		Pipe to Elbow
C05.051.018	3-FWD-62-B	3-03-28/3FWD-62 OFD-121B-3.3	NDE-12	RT	CS	20.000		
	Circumferential					1.031		Elbow to Pipe
C05.051.018A	3-FWD-62-B	3-03-28/3FWD-62 OFD-121B-3.3	NDE-25	MT	CS	20.000		
	Circumferential					1.031		Elbow to Pipe
C05.051.025	3-03A-17-42	3-03A-17 OFD-121D-3.1	NDE-12	RT	CS	6.000		
	Circumferential					0.562		Pipe to Tee
C05.051.025A	3-03A-17-42	3-03A-17 OFD-121D-3.1	NDE-25	MT	CS	6.000		
	Circumferential					0.562		Pipe to Tee
C05.051.030	3-14B-116-56	3-14B-116 OFD-124B-3.2	NDE-12	RT	CS	6.000		
	Circumferential					0.432		Tee to Flange
C05.051.030A	3-14B-116-56	3-14B-116 OFD-124B-3.2	NDE-25	MT	CS	6.000		
	Circumferential					0.432		Tee to Flange
C05.051.032	3-14B-117-46	3-14B-117 OFD-124B-3.2	NDE-12	RT	CS	8.000		
	Circumferential					0.500		Pipe to Valve ( 3LPSW-22)
C05.051.032A	3-14B-117-46	3-14B-117 OFD-124B-3.2	NDE-25	MT	CS	8.000		
	Circumferential					0.500		Pipe to Valve ( 3LPSW-22)

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

**Piping Welds  $\geq$  3/8 in. Nominal Wall Thickness for  
Piping  $>$  NPS 4**

DUKE POWER COMPANY  
QUALITY ASSURANCE TECHNICAL SERVICES  
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Inservice inspection Plan for Interval 3 Outage 4

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ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
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Total C05.051 Items: 10

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

DUKE POWER COMPANY  
QUALITY ASSURANCE TECHNICAL SERVICES  
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**Pipe Branch Connections of Branch Piping ≥ NPS  
2**

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ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
<b>---- Circumferential Weld ----</b>								
C05.081.002	3-MS12B-A	3-01A-13/3MS-12B OFD-122A-3.1	NDE-25	MT	CS	8.000 0.906		Branch Weld is Inaccessible due to gaurd pipe. Inspect Only if gaurd pipe is removed for Maintenance Activities or repair/replacement reasons. See Request for Relief ONS-010.
	Branch			Pipe to Pipe				
C05.081.003	3-MS12B-A-1	3-01A-13/3MS-12B OFD-122A-3.1	NDE-25	MT	CS	8.000 0.906		Inspect the Gaurd Pipe to Reinforcing Collar weld AND the Reinforcing Collar to the Main Steam Header pipe Weld. This is done because weld# 3-MS12B-A is Inaccessable due to Gaurd Pipe. See Request for Relief
	Branch			Pipe to Pipe				
C05.081.005	3-MS15A-F	3-01A-9/3MS-15A OFD-122A-3.1	NDE-25	MT	CS	8.000 0.906		Branch Weld is Inaccessible due to gaurd pipe. Inspect Only if gaurd pipe is removed for Maintenance Activities or repair/replacement reasons. See Request for Relief ONS-010.
	Branch			Pipe to Pipe				
C05.081.007	3-MS15A-H	3-01A-9/3MS-15A OFD-122A-3.1	NDE-25	MT	CS	8.000 0.906		Branch Weld is Inaccessible due to gaurd pipe. Inspect Only if gaurd pipe is removed for Maintenance Activities or repair/replacement reasons. See Request for Relief ONS-010.
	Branch			Pipe to Pipe				

Total C05.081 Items: 4  
Total Category C-F-2 Items: 34

**CATEGORY D-3, Systems In Support Of  
ECC, CHR, Atmos. Cleanup, And Reactor**

**In Integral Attachment**

**DUKE POWER COMPANY  
QUALITY ASSURANCE TECHNICAL SERVICES  
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**Inservice Inspection Plan for Interval 3 Outage 4**

ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
<b>.... Component Supports and Restraints ....</b>								
D02.020.020	3-03A-H118 Rigid restraint	1-0-2400A OFD-121D-3.1	QAL-14	VT-3	NA	6.000 0.125		File No. OSC-526 Page No. 41; Problem No. 3-03A-09 Emergency Feedwater System
D02.020.021	3-03A-H120 Rigid restraint	1-0-2400A OFD-121D-3.1	QAL-14	VT-3	NA	6.000 0.125		File No. OSC-526 Page No. 41; Problem No. 3-03A-09 Emergency Feedwater System
D02.020.022	3-03A-H125 Rigid restraint	1-0-2400A OFD-121D-3.1	QAL-14	VT-3	NA	6.000 0.500		File No. OSC-1209 Page No. 29; Problem No. 3-03A-12 Emergency Feedwater System
D02.020.025	3-03A-H130 Rigid restraint	1-0-2400A OFD-121D-3.1	QAL-14	VT-3	NA	6.000 0.125		File No. OSC-526 Page No. 41; Problem No. 3-03A-09 Emergency Feedwater System
D02.020.029	3-03A-H147 Rigid restraint	1-0-2400B OFD-121D-3.1	QAL-14	VT-3	NA	6.000 0.500		File No. OSC-1209 Page No. 28; Problem No. 3-03A-12 Emergency Feedwater System
D02.020.030	3-03A-H149 Rigid restraint	1-0-2400B OFD-121D-3.1	QAL-14	VT-3	NA	6.000 0.500		File No. OSC-1209 Page No. 28; Problem No. 3-03A-12 Emergency Feedwater System
D02.020.032	3-03A-H175 Rigid restraint	1-0-2400A OFD-121D-3.1	QAL-14	VT-3	NA	6.000 0.125		File No. OSC-1209 Page No. 28; Problem No. 3-03A-12 Emergency Feedwater System
D02.020.033	3-03A-H194 Rigid restraint	1-0-2437B OFD-121D-3.1	QAL-14	VT-3	NA	6.000 0.125		File No. OSC-525 Page No. 44.1; Problem No. 3-03A-08 Emergency Feedwater System
D02.020.036	3-03A-H5 Rigid restraint	1-0-2439C OFD-121D-3.1	QAL-14	VT-3	NA	6.000 0.375		File No. OSC-1224-23 Page No. 25.3; Problem No. 3-03A-13 Aux Service Water Piping
D02.020.040	3-03A-SR129 Rigid restraint	1-0-2400A OFD-121D-3.1	QAL-14	VT-3	NA	6.000 0.500		File No. OSC-526 Page No. 41; Problem No. 3-03A-09 Emergency Feedwater System



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

**Integral Attachment**

DUKE POWER COMPANY  
QUALITY ASSURANCE TECHNICAL SERVICES  
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ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
D02.020.045	3-03A-SR183 Rigid restraint	1-0-2444 OFD-121D-3.1	QAL-14	VT-3	NA	6.000 0.500		File No. OS-524 Page No. 63; Problem No. 3-03A-07 Emergency Feedwater System
D02.020.046	3-03A-SR36 Rigid restraint	1-0-2439B OFD-121D-3.1	QAL-14	VT-3	NA	6.000 0.125		File No. OS-519 Page No. 54; Problem No. 3-03A-06 Emergency Feedwater System
D02.020.051	3-03A-H180 Rigid restraint	1-0-2439B OFD-121D-3.1	QAL-14	VT-3 Sway Strut to Other	NA	6.000 0.125		File No. OS-524 Page No. 63; Problem No. 3-03A-07 Emergency Feedwater System
D02.020.054	3-03A-H207 Rigid restraint	1-0-2400A OFD-121D-3.1	QAL-14	VT-3	NA	6.000 0.375		File No. OSC-1209 Page No. 28; Problem No. 3-03A-12 Emergency Feedwater System
D02.020.058	3-03A-SR113 Rigid restraint	1-0-2400A OFD-121D-3.1	QAL-14	VT-3	NA	6.000 0.500		File No. OSC-526 Page No. 42; Problem No. 3-03A-09 Emergency Feedwater System
D02.020.063	3-03A-SR122 Rigid restraint	1-0-2400A OFD-121D-3.1	QAL-14	VT-3	NA	6.000 1.000		File No. OSC-1209 Page No. 28; Problem No. 3-03A-12 Emergency Feedwater System
D02.020.072	3-03A-SR146 Rigid restraint	1-0-2400B OFD-121D-3.1	QAL-14	VT-3	NA	6.000 0.500		File No. OSC-1209 Page No. 28; Problem No. 3-03A-12 Emergency Feedwater System
D02.020.073	3-03A-SR148 Rigid restraint	1-0-2400B OFD-121D-3.1	QAL-14	VT-3	NA	6.000 0.500		File No. OSC-1209 Page No. 28; Problem No. 3-03A-12 Emergency Feedwater System
D02.020.076	3-03A-SR17 Rigid restraint	1-0-2401A OFD-121D-3.1	QAL-14	VT-3	NA	6.000 1.000		File No. OS-516 Page No. 54; Problem No. 3-03A-04 Emergency Feedwater Pump Discharge
D02.020.086	3-03A-SR55 Rigid restraint	1-0-2400A OFD-121D-3.1	QAL-14	VT-3	NA	6.000 1.000		File No. OSC-1209 Page No. 29; Problem No. 3-03A-12 Emergency Feedwater System

**CATEGORY D-3, Systems In Support Of  
ECC, CHR, Atmos. Cleanup And Reactor**

DUKE POWER COMPANY  
QUALITY ASSURANCE TECHNICAL SERVICES  
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**Inservice Inspection Plan for Interval 3 Outage 4**

ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
D02.020.137	3-14B-SR7 Rigid restraint	6-0-2438B OFD-121D-1.2	QAL-14	VT-3	NA	6.000 1.000		File No. OSC-529 Page No. 69 Problem No. 3-14B-02; Aux Service Water Piping
D02.020.138	3-14B-SR8 Rigid restraint	6-0-2438B OFD-121D-1.2	QAL-14	VT-3	NA	6.000 1.000		File No. OSC-529 Page No. 69 Problem No. 3-14B-02; Aux Service Water Piping
D02.020.141	3-14B-WN-7002 Rigid restraint	0-2437A OFD-121D-1.2	QAL-14	VT-3	NA	6.000 0.500		File No. OSC-529 Page No. 69 Problem No. 3-14B-02; Aux Service Water Piping
<b>Total D02.020 Items:</b>		<b>23</b>						

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

**Integral Attachment**

DUKE POWER COMPANY  
QUALITY ASSURANCE TECHNICAL SERVICES  
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ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
<b>.... Spring Type Supports ....</b>								
D02.040.018	3-03A-SR36 Spring hanger	1-0-2402A OFD-121B-3.3	QAL-14	VT-3	NA	6.000 1.000		File no. OSC-513 Page72 Prob. No. 3-03A-02 Emergency Feedwater System
D02.040.037	3-14B-H3 Spring hanger	1-0-2400A OFD-124A-3.1	QAL-14	VT-3	NA	36.000 0.406		File No. OS-530 Page No. 69.1 Problem No. 3-14B-1; Low Pressure Service Water
Total D02.040 Items:		2						
Total Category D-B Items:		25						

**CATEGORY F-A, Supports (Category A)**

DUKE POWER COMPANY  
 QUALITY ASSURANCE TECHNICAL SERVICES  
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**Class 1 Mech. Conn. to Press. Retaining Comp. & Bid. Structure**

ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIATHK CAL	BLOCKS	COMMENTS
F01.010.003	3-51A-H4A Rigid restraint	0-2479A OFD-101A-3.4	QAL-14	VT-3	NA	2.500 0.375		File No. OSC-1343 Vol.B of C Prob. No. 3-53-10 Page 59 H.P.I. East Coolant Loop
<b>Total F01.010 Items:</b>		<b>1</b>						
F01.011.004	3-53-H2 Rigid restraint	0-2478A OFD-102A-3.1	QAL-14	VT-3	NA	12.000 0.250		File No. OSC-1339 Page 82 Problem No. 3-56-03; Spent Fuel Cooling
<b>Total F01.011 Items:</b>		<b>1</b>						
F01.012.006	3-53-H3 Hyd snubber	0-2478A OFD-102A-3.1	QAL-14	VT-3	NA	12.000 0.280		File No. OSC-1339 Page 82 Problem No. 3-56-03; Spent Fuel Cooling
<b>Total F01.012 Items:</b>		<b>1</b>						

**CATEGORY F-A, Supports (Category A)**

DUKE POWER COMPANY  
 QUALITY ASSURANCE TECHNICAL SERVICES  
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**Class 2 Weld Connections to Building Structure**

**Inservice Inspection Plan for Interval 3 Outage 4**

ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS	
F01.020.034	3-54A-SR13 Rigid restraint	3-0-2439A OFD-103A-3.1	QAL-14	VT-3	NA	8.000 0.000		File No. OSC-556 Page No. 64.1 Problem No. 3-54-03	
F01.020.037	3-54A-SR21 Rigid restraint	2-0-2435B OFD-102A-3.1	QAL-14	VT-3	NA	10.000 0.280		File NO. OS-549 Page 78; Problem No. 3-53-01 L P Injection & Decay Heat Removal	
<b>Total F01.020 Items:</b>		<b>2</b>							
F01.021.003	3-14B-H10 Rigid restraint	0-2479A OFD-124B-3.2	QAL-14	VT-3	NA	6.000 0.750		File No. OSC-2056 Page No. 134 Problem No. 3-14B-14A;	
F01.021.004	3-14B-H19D Rigid restraint	0-2479A OFD-124B-3.2	QAL-14	VT-3	NA	8.000 1.500		File No. OSC-1344-06 Page No. 6(1) 38 Problem No. 3-14B-09 System 14B	
F01.021.025	3-53B-R3 Rigid restraint	5-0-2436D OFD-102A-3.2	QAL-14	VT-3	NA	10.000 1.000		File No. OS-551 Page No. 61 Problem No. 3-53-04 System 53B	
F01.021.028	3-54A-SR11 Rigid restraint	3-0-2444 OFD-103A-3.1	QAL-14	VT-3	NA	8.000 0.000		File No. OSC-556 Page No. 65.1 Problem No. 3-54-03	
<b>Total F01.021 Items:</b>		<b>4</b>							
F01.022.004	3-03-H15A Spring hanger	0-2481A OFD-121B-3.3	QAL-14	VT-3	NA	24.000 1.500		File no. OSC-1335 Page 6(1)-72 Prob. No. 3-03-07 Main Feedwater System	
<b>Total F01.022 Items:</b>		<b>1</b>							

**CATEGORY F-A, Supports (Category A)**

DUKE POWER COMPANY  
 QUALITY ASSURANCE TECHNICAL SERVICES  
 Inservice Inspection Database Management System  
 Oconee Unit 3  
 Inservice Inspection Plan for Interval 3 Outage 4

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

ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
F01.030.010	3-03A-H118 Rigid restraint	1-0-2400A OFD-121D-3.1	QAL-14	VT-3	NA	6.000 0.125		File No. OSC-526 Page No. 41 Problem No. 3-03A-09 Emergency Feedwater System
F01.030.011	3-03A-H120 Rigid restraint	1-0-2400A OFD-121D-3.1	QAL-14	VT-3	NA	6.000 0.125		File No. OSC-526 Page No. 41 Problem No. 3-03A-09 Emergency Feedwater System
F01.030.014	3-03A-H130 Rigid restraint	1-0-2400A OFD-121D-3.1	QAL-14	VT-3	NA	6.000 0.125		File No. OSC-526 Page No. 41 Problem No. 3-03A-09 Emergency Feedwater System
F01.030.017	3-03A-H147 Rigid restraint	1-0-2400B OFD-121D-3.1	QAL-14	VT-3	NA	6.000 0.500		File No. OSC-1209 Page No. 28 Problem No. 3-03A-12 Emergency Feedwater System
F01.030.018	3-03A-H5 Rigid restraint	1-0-2439C OFD-121D-3.1	QAL-14	VT-3	NA	6.000 0.375		File No. OSC-1224-23 Page No. 25.3 Problem No. 3-03A-13 Aux Service Water Piping
F01.030.024	3-07A-H68 Rigid restraint	6-0-2400A OFD-121A-3.8	QAL-14	VT-3	NA	12.000 0.000		File No. OSC-1211 Page No. 27 Problem No. 3-07-05 System 07A
F01.030.033	3-14B-WN-7002 Rigid restraint	0-2437A OFD-121D-1.2	QAL-14	VT-3	NA	6.000 0.500		File No. OSC-529 Page No. 69 Problem No. 3-14B-02 Aux Service Water Piping
<b>Total F01.030 Items:</b>		<b>7</b>						
F01.031.004	3-03A-H180 Rigid restraint	1-0-2439B OFD-121D-3.1	QAL-14	VT-3	NA	6.000 0.125		File No. OS-524 Page No. 63 Problem No. 3-03A-07 Emergency Feedwater System
				Sway Strut to Other				
F01.031.010	3-03A-SR17 Rigid restraint	1-0-2401A OFD-121D-3.1	QAL-14	VT-3	NA	6.000 1.000		File No. OS-516 Page No. 54 Problem No. 3-03A-04 Emergency Feedwater Pump Discharge

**CATEGORY F-A, Supports (Category B)**

DUKE POWER COMPANY  
QUALITY ASSURANCE TECHNICAL SERVICES  
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**Class 3 Weld/Mech Conns at Inter Joints in  
Multiconn Int & Nonint Supp**

**Inservice Inspection Plan for Interval 3 Outage 4**

ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
F01.031.017	3-14B-SR7 Rigid restraint	6-0-2438B OFD-121D-1.2	QAL-14	VT-3	NA	6.000 1.000		File No. OSC-529 Page No. 69 Problem No. 3-14B-02 Aux Service Water Piping
F01.031.018	3-14B-SR8 Rigid restraint	6-0-2438B OFD-121D-1.2	QAL-14	VT-3	NA	6.000 1.000		File No. OSC-529 Page No. 69 Problem No. 3-14B-02 Aux Service Water Piping

**Total F01.031 Items: 4**

**CATEGORY F-A, Supports**

DUKE POWER COMPANY  
QUALITY ASSURANCE TECHNICAL SERVICES  
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**Inservice Inspection Plan for Interval 3 Outage 4**

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

ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
F01.040.011	3-LPSW-PU-A	0M 208-0027 OFD 124A-3.1	QAL-14	VT-3	NA	0.000 0.000		Low Press. Service Water Pump 3A.Support Legs & Pad.Class C
F01.040.012	3-LPSW-STR-A	0M 240-0002 OFD 124A-3.1	QAL-14	VT-3	NA	0.000 0.000		Low Press. Service Water Strainer 3A.Support Legs.Class C

Total F01.040 Items: 2

Total Category F-A Items: 23



**CATEGORY AUG, Augmented Inspections**

DUKE POWER COMPANY  
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**Inservice Inspection Plan for Interval 3 Outage 4**

**Reactor Coolant Pump Flywheel**

ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
G01.001.001	3-RCP-3A1	OM-201D-038 OFD-100A-3.1	NDE-900	UT	CS	72.000 9.500		Reference Section 7 Paragraph 7.1.1 of the ISI Plan - Volume 1. RCP 3A1 Flywheel to Other
G01.001.001A	3-RCP-3A1	OM-201D-038 OFD-100A-3.1	NDE-25	MT	CS	72.000 9.500		Reference Section 7 Paragraph 7.1.1 of the ISI Plan - Volume 1. RCP 3A1 Flywheel to Other
G01.001.002	3-RCP-3A2	OM-201D-038 OFD-100A-3.1	NDE-900	UT	CS	72.000 9.500		Reference Section 7 Paragraph 7.1.1 of the ISI Plan - Volume 1. RCP 3A2 Flywheel to Other
G01.001.002A	3-RCP-3A2	OM-201D-038 OFD-100A-3.1	NDE-25	MT	CS	72.000 9.500		Reference Section 7 Paragraph 7.1.1 of the ISI Plan - Volume 1. RCP 3A2 Flywheel to Other
G01.001.003	3-RCP-3B1	OM-201D-038 OFD-100A-3.1	NDE-900	UT	CS	72.000 9.500		Reference Section 7 Paragraph 7.1.1 of the ISI Plan - Volume 1. RCP 3B1 Flywheel to Other
G01.001.003A	3-RCP-3B1	OM-201D-038 OFD-100A-3.1	NDE-25	MT	CS	72.000 9.500		Reference Section 7 Paragraph 7.1.1 of the ISI Plan - Volume 1. RCP 3B1 Flywheel to Other
G01.001.004	3-RCP-3B2	OM-201D-038 OFD-100A-3.1	NDE-900	UT	CS	72.000 9.500		Reference Section 7 Paragraph 7.1.1 of the ISI Plan - Volume 1. RCP 3B2 Flywheel to Other
G01.001.004A	3-RCP-3B2	OM-201D-038 OFD-100A-3.1	NDE-25	MT	CS	72.000 9.500		Reference Section 7 Paragraph 7.1.1 of the ISI Plan - Volume 1. RCP 3B2 Flywheel to Other

**Total G01.001 Items: 8**

**Total Category AUG Items: 8**

**CATEGORY AUG, Augmented Inspections**

DUKE POWER COMPANY  
QUALITY ASSURANCE TECHNICAL SERVICES  
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**Inservice Inspection Plan for Interval 3 Outage 4**

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ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
G04.001.005	3-51A-62-26	3-51A-62 OFD-101A-3.4	NDE-600	UT	SS	2.500	40378 0.375	Inspect 100% of weld & 1" of Base Metal (axial & circ.). Reference Section 7 Paragraph 7.1.4 of the ISI Plan
	Circumferential Stress weld						Pipe to Nozzle (Nozzle on 3B2 Disch Line)	

Total G04.001 Items: 1

Total Category AUG Items: 1

**CATEGORY AUG, Augmented Inspections**

DUKE POWER COMPANY  
QUALITY ASSURANCE TECHNICAL SERVICES  
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**Inservice Inspection Plan for Interval 3 Outage 4**

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

ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
G07.001.007	3-53B-45-40L Longitudinal	3-53B-45	NDE-35	PT	SS	8.000 0.250		Inspect with item number G09.001.015

Total G07.001 Items: 1

Total Category AUG Items: 1

**CATEGORY AUG, Augmented Inspections**

DUKE POWER COMPANY  
 QUALITY ASSURANCE TECHNICAL SERVICES  
 Inservice Inspection Database Management System  
 Oconee Unit 3

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**Inservice Inspection Plan for Interval 3 Outage 4**

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

ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
G09.001.006	3-53B-34-36A	3-53B-34 OFD-102A-3.1 OFD-102A-3.2	NDE-35	PT	SS	12.000 0.250		Elbow to Flange
G09.001.011	3-53B-37-51	3-53B-37 OFD-102A-3.2	NDE-35	PT	SS	8.000 0.250		Reducer to Flange
G09.001.014	3-53B-44-9	3-53B-44 OFD-102A-3.1	NDE-35	PT	SS	12.000 0.180		Pipe to Elbow
G09.001.015	3-53B-45-40	3-53B-45 OFD-102A-3.2	NDE-35	PT	SS	8.000 0.250		Pipe to Reducer
G09.001.026	3-54A-11-27	3-54A-11 OFD-103A-3.1	NDE-35	PT	SS	8.000 0.250		Elbow to Pipe
<b>Total G09.001 Items:</b>						<b>5</b>		
<b>Total Category AUG Items:</b>						<b>5</b>		

**CATEGORY AUG, Augmented Inspections**

DUKE POWER COMPANY  
 QUALITY ASSURANCE TECHNICAL SERVICES  
 Inservice Inspection Database Management System  
 Oconee Unit 3

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**Inservice Inspection Plan for Interval 3 Outage 4**

**Class 1 RTE Mounting Bosses**

ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
G10.001.007 Branch	3-PIA1-9	ISI-OCN3-007 OFD-100A-3.1	NDE-35	PT	CS/Inconel	8.750 2.250		Reference Section 7 Paragraph 7.1.10 of the ISI Plan - Volume 1 The diameter of hole that penetrates through the nozzle into the hot leg = .613 Nozzle (RTE Nozzle) to Pipe
G10.001.010 Branch	3-PIB2-9	ISI-OCN3-010 OFD-100A-3.1	NDE-35	PT	CS/Inconel	8.750 2.250		Reference Section 7 Paragraph 7.1.10 of the ISI Plan - Volume 1 The diameter of hole that penetrates through the nozzle into the hot leg = .613 Pipe to Nozzle (RTE Nozzle)

Total G10.001 Items: 2  
 Total Category AUG Items: 2

CATEGORY

DUKE POWER COMPANY  
 QUALITY ASSURANCE TECHNICAL SERVICES  
 Inservice Inspection Database Management System  
 Oconee Unit 3

Inservice Inspection Plan for Interval 3 Outage 4

ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
G11.001.001	3RCP-3A2	OM-1201-1217 OFD-100A-3.1	QAL-13	VT-1	SS	0.000 0.000		Inspect Flg. Joint, Studs and Adj. area Per Req. for Relief ONS-011. Ref. Section 7 Paragraph 7.1.11 of the ISI Plan - Volume 1. RCP 3A2 Main Flange ; Each refueling outage the flange
G11.001.002	3RCP-3B1	OM-1201-1217 OFD-100A-3.1	QAL-13	VT-1	SS	0.000 0.000		Inspect Flg. Joint, Studs and Adj. area Per Req. for Relief ONS-011. Ref. Section 7 Paragraph 7.1.11 of the ISI Plan - Volume 1. RCP 3B1 Main Flange ; Each refueling outage the flange

Total G11.001 Items: 2  
 Total Category Items: 2

Duke Power Company  
Quality Assurance Technical Services  
Inservice Inspection Plan For:  
Oconee Unit 3  
Interval 3  
ISI Outage 4  
Refueling Outage EOC 18

**Pressure Test Listing**

Revision 0

Run Date: April 26, 1994

OCONEE UNIT NUMBER 3  
CLASS A (CATEGORY B-P) REQUIREMENTS  
FOR OUTAGE NUMBER 18

<u>ITEM NO.</u>	<u>DRAWING</u>	<u>REV</u>	<u>TEST</u>	<u>COMP</u>	<u>COMP NAME</u>	<u>REQ. INSP</u>	<u>REQ. PROC</u>	<u>COMMENTS</u>
B15.050.001	SEE COMMENTS	N/A	LEAK	VARIOUS	RC SYSTEM	VT-2	QAL-15	Drawings that make up the Class A Leakage Boundary: OFDL-100A-3.1, OFDL-100A-3.2, OFDL-100A-3.3, OFDL-101A-3.1, OFDL-101A-3.4, OFDL-101A-3.5, OFDL-102A-3.1, OFDL-102A-3.2, OFDL-102A-3.3, OFDL-110A-3.1, OFDL-110A-3.4, OFDL-127B-3.2



OCONEE UNIT NUMBER 3  
CLASS B (CATEGORY C-H) REQUIREMENTS  
FOR OUTAGE NUMBER 18

ITEM NO.	DRAWING	REV	TEST	COMP	COMP NAME	REQ. INSP	REQ. PROC	COMMENTS
C07.030.001	OFDL-101A-3.1	00	INS/FUN	VARIOUS	HPI SYSTEM	VT-2	QAL-15	Penetrations 6 and 7
C07.030.002	OFDL-101A-3.2	00	INSER	VARIOUS	HPI SYSTEM	VT-2	QAL-15	
C07.030.003	OFDL-101A-3.3	00	INSER	VARIOUS	HPI SYSTEM	VT-2	QAL-15	
C07.030.004	OFDL-101A-3.4	00	INS/FUN	VARIOUS	HPI SYSTEM	VT-2	QAL-15	Penetrations 8, 9, 10, 23 and 52
C07.030.005	OFDL-101A-3.5	00	INSER	VARIOUS	HPI SYSTEM	VT-2	QAL-15	
C07.030.006	OFDL-102A-3.1	00	INS/FUN	VARIOUS	LPI SYSTEM	VT-2	QAL-15	Penetrations 36, 37 and 62
C07.030.007	OFDL-102A-3.2	00	INS/FUN	VARIOUS	LPI SYSTEM	VT-2	QAL-15	Penetrations 15 and 16
C07.030.008	OFDL-102A-3.3	00	FUNCT	VARIOUS	LPI SYSTEM	VT-2	QAL-15	Penetrations 39 and 59
C07.030.009	OFDL-103A-3.1	00	FUNCT	VARIOUS	BS SYSTEM	VT-2	QAL-15	
C07.030.010	OFDL-104A-3.1	00	FUNCT	VARIOUS	SF SYSTEM	VT-2	QAL-15	Penetration 56
C07.030.012	OFDL-106E-3.1	00	FUNCT	VARIOUS	DW SYSTEM	VT-2	QAL-15	Penetrations 46 and 55
C07.030.013	OFDL-107A-3.1	00	FUNCT	VARIOUS	CS SYSTEM	VT-2	QAL-15	Penetrations 18 and 38
C07.030.014	OFDL-107A-3.2	00	FUNCT	VARIOUS	CS SYSTEM	VT-2	QAL-15	Penetration 29
C07.030.015	OFDL-107B-3.1	00	FUNCT	VARIOUS	LWD SYSTEM	VT-2	QAL-15	Penetration 5
C07.030.016	OFDL-107D-3.2	00	FUNCT	VARIOUS	LWD SYSTEM	VT-2	QAL-15	Penetration 40
C07.030.017	OFDL-110A-3.1	00	INS/FUN	VARIOUS	CA SYSTEM	VT-2	QAL-15	Penetrations 2 and 58
C07.030.018	OFDL-110A-3.3	00	FUNCT	VARIOUS	CA SYSTEM	VT-2	QAL-15	Penetrations 24 and 42
C07.030.019	OFDL-110A-3.4	00	FUNCT	VARIOUS	CA SYSTEM	VT-2	QAL-15	
C07.030.020	OFDL-116A-3.1	00	FUNCT	VARIOUS	PR SYSTEM	VT-2	QAL-15	Penetrations 19 and 20
C07.030.021	OFDL-116C-3.1	00	FUNCT	VARIOUS	PR SYSTEM	VT-2	QAL-15	Penetrations 60 and 61

OCONEE UNIT NUMBER 3  
CLASS B (CATEGORY 3-H) REQUIREMENTS  
FOR OUTAGE NUMBER 18

ITEM NO.	DRAWING	REV	TEST	COMP	COMP NAME	REQ. INSP	REQ. PROC	COMMENTS
C07.030.022	OFDL-121B-3.3	00	INS/FUN	VARIOUS	FDW SYSTEM	VT-2	QAL-15	Penetrations 25 and 27
C07.030.023	OFDL-121B-3.5	00	FUNCT	VARIOUS	FDW SYSTEM	VT-2	QAL-15	Penetrations 4 and 43
C07.030.024	OFDL-121D-1.2	02	FUNCT	VARIOUS	EFW SYSTEM	VT-2	QAL-15	
C07.030.025	OFDL-121D-3.1	00	FUNCT	VARIOUS	EFW SYSTEM	VT-2	QAL-15	Penetrations 17 and 50
C07.030.026	OFDL-122A-3.1	00	INSER	VARIOUS	MS SYSTEM	VT-2	QAL-15	Penetrations 26 and 28
C07.030.027	OFDL-122A-3.2	00	INSER	VARIOUS	MS SYSTEM	VT-2	QAL-15	
C07.030.028	OFDL-122A-3.3	00	INSER	VARIOUS	MS SYSTEM	VT-2	QAL-15	
C07.030.029	OFDL-122A-3.4	00	INSER	VARIOUS	MS SYSTEM	VT-2	QAL-15	
C07.030.030	OFDL-122B-3.1	00	INSER	VARIOUS	MS SYSTEM	VT-2	QAL-15	
C07.030.031	OFDL-124B-3.2	00	FUNCT	VARIOUS	LPSW SYSTEM	VT-2	QAL-15	Penetrations 30, 31, 32, 33, 34 and 35
C07.030.032	OFDL-124B-3.4	00	INSER	VARIOUS	LPSW SYSTEM	VT-2	QAL-15	Penetrations 21 and 22
C07.030.033	OFDL-127B-3.2	00	FUNCT	VARIOUS	N SYSTEM	VT-2	QAL-15	Penetrations 39 and 53
C07.030.034	OFDL-137A-3.3	00	FUNCT	VARIOUS	BA SYSTEM	VT-2	QAL-15	Penetration 48
C07.030.035	OFDL-137B-1.2	01	FUNCT	VARIOUS	IA SYSTEM	VT-2	QAL-15	Penetration 41
C07.030.036	OFDL-144A-3.2	00	FUNCT	VARIOUS	CC SYSTEM	VT-2	QAL-15	Penetrations 3 and 54
C07.030.037	OFDL-144A-3.3	00	FUNCT	VARIOUS	CC SYSTEM	VT-2	QAL-15	Penetration 44
C07.040.002	OFDH-101A-3.2	00	HYDRO	VARIOUS	HPI SYSTEM	VT-2	QAL-15	
C07.040.003	OFDH-101A-3.3	00	HYDRO	VARIOUS	HPI SYSTEM	VT-2	QAL-15	
C07.040.011	OFDH-104A-3.2	00	HYDRO	VARIOUS	SF SYSTEM	VT-2	QAL-15	

OCONEE UNIT NUMBER 3  
CLASS C (CATEGORY D-A) REQUIREMENTS  
FOR OUTAGE NUMBER 18

ITEM NO.	DRAWING	REV	TEST	COMP	COMP NAME	REQ. INSP	REQ. PROC	COMMENTS
D01.011.001	OFDL-100A-3.3	00	INSER	VARIOUS	RC SYSTEM	VT-2	QAL-15	
D01.011.002	OFDL-101A-3.1	00	INSER	VARIOUS	HPI SYSTEM	VT-2	QAL-15	
D01.011.003	OFDL-101A-3.2	00	INSER	VARIOUS	HPI SYSTEM	VT-2	QAL-15	
D01.011.004	OFDL-101A-3.3	00	INSER	VARIOUS	HPI SYSTEM	VT-2	QAL-15	
D01.011.005	OFDL-101A-3.4	00	INSER	VARIOUS	HPI SYSTEM	VT-2	QAL-15	
D01.011.006	OFDL-101A-3.5	00	INSER	VARIOUS	HPI SYSTEM	VT-2	QAL-15	
D01.011.007	OFDL-102A-3.1	00	INSER	VARIOUS	LPI SYSTEM	VT-2	QAL-15	
D01.011.008	OFDL-102A-3.2	00	INSER	VARIOUS	LPI SYSTEM	VT-2	QAL-15	
D01.011.009	OFDL-106A-3.2	00	INSER	VARIOUS	CT SYSTEM	VT-2	QAL-15	
D01.011.010	OFDL-109A-3.1	00	INSER	VARIOUS	HP SYSTEM	VT-2	QAL-15	
D01.011.011	OFDL-110A-3.1	00	INSER	VARIOUS	CA SYSTEM	VT-2	QAL-15	
D01.011.012	OFDL-110A-3.4	00	INSER	VARIOUS	CA SYSTEM	VT-2	QAL-15	
D01.011.013	OFDL-144A-3.2	00	INSER	VARIOUS	CC SYSTEM	VT-2	QAL-15	

OCONEE UNIT NUMBER 3  
CLASS C (CATEGORY D-B) REQUIREMENTS  
FOR OUTAGE NUMBER 18

ITEM NO.	DRAWING	REV	TEST	COMP	COMP NAME	REQ. INSP	REQ. PROC	COMMENTS
D02.011.001	OFDL-121A-1.8	02	FUNCT	VARIOUS	C SYSTEM	VT-2	QAL-15	
D02.011.002	OFDL-121A-3.3	00	FUNCT	VARIOUS	C SYSTEM	VT-2	QAL-15	
D02.011.003	OFDL-121A-3.7	00	FUNCT	VARIOUS	C SYSTEM	VT-2	QAL-15	
D02.011.004	OFDL-121A-3.8	00	FUNCT	VARIOUS	C SYSTEM	VT-2	QAL-15	
D02.011.005	OFDL-121B-3.3	00	FUNCT	VARIOUS	FDW SYSTEM	VT-2	QAL-15	
D02.011.006	OFDL-121B-3.5	00	FUNCT	VARIOUS	FDW SYSTEM	VT-2	QAL-15	
D02.011.007	OFDL-121D-3.1	00	FUNCT	VARIOUS	EFW SYSTEM	VT-2	QAL-15	
D02.011.008	OFDL-133A-2.5	01	FUNCT	VARIOUS	CCW SYSTEM	VT-2	QAL-15	
D02.011.009	OFDL-122A-3.4	00	FUNCT	VARIOUS	MS SYSTEM	VT-2	QAL-15	
D02.011.010	OFDL-124A-1.1	02	FUNCT	VARIOUS	LPSW SYSTEM	VT-2	QAL-15	
D02.011.011	OFDL-124A-3.1	00	FUNCT	VARIOUS	LPSW SYSTEM	VT-2	QAL-15	
D02.011.012	OFDL-124A-3.3	00	FUNCT	VARIOUS	LPSW SYSTEM	VT-2	QAL-15	
D02.011.013	OFDL-124B-3.1	00	FUNCT	VARIOUS	LPSW SYSTEM	VT-2	QAL-15	
D02.011.014	OFDL-124B-3.2	00	FUNCT	VARIOUS	LPSW SYSTEM	VT-2	QAL-15	
D02.011.015	OFDL-124B-3.4	00	FUNCT	VARIOUS	LPSW SYSTEM	VT-2	QAL-15	
D02.011.016	OFDL-124C-3.2	00	FUNCT	VARIOUS	HPSW SYSTEM	VT-2	QAL-15	
D02.011.017	OFDL-133A-3.1	00	FUNCT	VARIOUS	CCW SYSTEM	VT-2	QAL-15	
D02.011.018	OFDL-133A-3.2	00	FUNCT	VARIOUS	CCW SYSTEM	VT-2	QAL-15	
D02.011.019	OFDL-133A-3.3	00	FUNCT	VARIOUS	CCW SYSTEM	VT-2	QAL-15	
D02.011.020	OFDL-133A-3.4	00	FUNCT	VARIOUS	CCW SYSTEM	VT-2	QAL-15	

OCONEE UNIT NUMBER 3  
CLASS C (CATEGORY C) REQUIREMENTS  
FOR OUTAGE NUMBER 18

<u>ITEM NO.</u>	<u>DRAWING</u>	<u>REV</u>	<u>TEST</u>	<u>COMP</u>	<u>COMP NAME</u>	<u>REQ. INSP</u>	<u>REQ. PROC</u>	<u>COMMENTS</u>
D03.011.001	OFLL-104A-3.1	00	INSER	VARIOUS	SF SYSTEM	VT-2	QAL-15	
D03.011.002	OFDL-104A-3.2	00	INSER	VARIOUS	SF SYSTEM	VT-2	QAL-15	

Duke Power Company  
Quality Assurance Technical Services

Inservice Inspection Plan For:

Oconee Unit 3

Interval 3

ISI Outage 5

Refueling Outage EOC 19

**ISI Inspection Listing**

Revision 0

Run Date: May 11, 1994

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

Piping

DUKE POWER COMPANY  
QUALITY ASSURANCE TECHNICAL SERVICES  
Inservice Inspection Database Management System  
Oconee Unit 3

Inservice Inspection Plan for Interval 3 Outage 5

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ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
<b>**** NPS 4 or Larger; Dissimilar Metal Butt Welds ****</b>								
B05.130.006	3-PIB1-7	ISI-OCN3-009	NDE-610	UT	SS/CS	33.500	40350	
	Circumferential	OFD-100A-3.1				2.330		Pipe to Safe End
B05.130.006A	3-PIB1-7	ISI-OCN3-009	NDE-35	PT	SS/CS	33.500		
	Circumferential	OFD-100A-3.1				2.330		Pipe to Safe End
B05.130.007	3-PIB2-7	ISI-OCN3-010	NDE-610	UT	SS/CS	33.500	40350	
	Circumferential	OFD-100A-3.1				2.330		Pipe to Safe End
B05.130.007A	3-PIB2-7	ISI-OCN3-010	NDE-35	PT	SS/CS	33.500		
	Circumferential	OFD-100A-3.1				2.330		Pipe to Safe End
<hr/>								
Total B05.130 Items:		4						

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

Piping

DUKE POWER COMPANY  
QUALITY ASSURANCE TECHNICAL SERVICES  
Inservice Inspection Database Management System  
Oconee Unit 3

Inservice Inspection Plan for Interval 3 Outage 5

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

B05.140.005	3-PDA1-11 Circumferential	ISI-OCN3-011 OFD-100A-3.1	NDE-35	PT	SS/CS	2.500 0.375		Pipe (HPI Nozzle) to Nozzle (Safe End)
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Total B05.140 Items: 1

Total Category B-F Items: 5



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

DUKE POWER COMPANY  
QUALITY ASSURANCE TECHNICAL SERVICES  
Inservice Inspection Database Management System  
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**Inservice Inspection Plan for Interval 3 Outage 5**

**Pressurizer**

ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DI/THK	CAL BLOCKS	COMMENTS
**** Flange Surface, when connection disassembled ****								
B06.070.001	3PZR-MW-FLANGE	25483F B&W 149793E	QAL-13	VT-1	CS	0.000 0.000		PZR Manway Flange Surface, Includes 1" Annular Surface surrounding each stud. Inspect when connection is disassembled.

**Total B06.070 Items: 1**

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

DUKE POWER COMPANY  
QUALITY ASSURANCE TECHNICAL SERVICES  
Inservice Inspection Database Management System  
Oconee Unit 3  
**Inservice Inspection Plan for Interval 3 Outage 5**

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Pumps

ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
**** Flange Surface, when connection disassembled ****								
B06.190.001	3RCP-3A1-FLANGE	OM-1201D-0005 OM-1201D-0057	QAL-13	VT-1	SS	0.000 0.000		RCP 3A1 Main Flange 1" Annular Surface of Flange Surrounding each Stud.(insp. only if disass.)
B06.190.002	3RCP-3A2-FLANGE	OM-1201D-0005 OM-1201D-0057	QAL-13	VT-1	SS	0.000 0.000		RCP 3A2 Main Flange 1" Annular Surface of Flange Surrounding each Stud.(insp. only if disass.)
B06.190.003	3RCP-3B1-FLANGE	OM-1201D-0005 OM-1201D-0057	QAL-13	VT-1	SS	0.000 0.000		RCP 3B1 Main Flange 1" Annular Surface of Flange Surrounding each Stud.(insp. only if disass.)
B06.190.004	3RCP-3B2-FLANGE	OM-1201D-0005 OM-1201D-0057	QAL-13	VT-1	SS	0.000 0.000		RCP 3B2 Main Flange 1" Annular Surface of Flange Surrounding each Stud.(insp. only if disass.)
Total B06.190 Items:		4						
Total Category B-G-1 Items:		5						

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

**Pressurizer**

**DUKE POWER COMPANY  
QUALITY ASSURANCE TECHNICAL SERVICES  
Inservise Inspection Database Management System  
Oconee Unit 3**

**Inservise Inspection Plan for Interval 3 Outage 5**

ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	GAL BLOCKS	COMMENTS
<b>.... Bolts, Studs, and Nuts ....</b>								
B07.020.001	3PZR-UHB-STUDS	OM-2201-0061	QAL-13	VT-1	CS	2.000 0.000		Pressurizer Upper Heater Bundle Studs. (total of 16 studs); Length of studs = 17.900
B07.020.002	3PZR-CHB-STUDS	OM-2201-0061	QAL-13	VT-1	CS	2.000 0.000		Pressurizer Center Heater Bundle Studs. (total = 16studs); Length of studs = 17.00
B07.020.003	3PZR-LHB-STUDS	OM-2201-0061	QAL-13	VT-1	CS	2.000 0.000		Pressurizer Lower Heater Bundle Studs. (total = 16studs); Length of studs = 17.00 inches

Total B07.020 Items: 3

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

DUKE POWER COMPANY  
QUALITY ASSURANCE TECHNICAL SERVICES  
Inservice Inspection Database Management System  
Oconee Unit 3

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**Inservice Inspection Plan for Interval 3 Outage 5**

**Steam Generators**

ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
<b>.... Bolts, Studs, and Nuts ....</b>								
B07.030.004	3SGB-LMW-BOLTS	B&W 145470E	QAL-13	VT-1	CS	2.000 0.000		Steam Generator 3B Lower Head Manway Studs and Nuts; 16 studs & nuts; length = 11.5 inches
<b>Total B07.030 Items:</b>		<b>1</b>						

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

DUKE POWER COMPANY  
QUALITY ASSURANCE TECHNICAL SERVICES  
Inservice Inspection Database Management System  
Oconee Unit 3  
**Inservice Inspection Plan for Interval 3 Outage 5**

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Piping

ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DI/THK	CAL BLOCKS	COMMENTS
**** Bolts, Studs, and Nuts ****								
B07.050.001	3PZR-RC4-BOLT	OM-2201-0229	QAL-13	VT-1	CS	1.125 0.000		PZR EMO Valve 3RC-4(Between W&Z Axis, Connected to Valve 3RC-66)

Total B07.050 Items: 1

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

**Valves**

DUKE POWER COMPANY  
 QUALITY ASSURANCE TECHNICAL SERVICES  
 Inservice Inspection Database Management System  
 Oconee Unit 3  
**Inservice Inspection Plan for Interval 3 Outage 5**

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ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DI/THK	CAL BLOCKS	COMMENTS
<b>**** Bolts, Studs, and Nuts ****</b>								
B07.070.006	3-53A-LP48	OM-245-001	QAL-13	VT-1	NA	0.000 0.000		Low Pressure Injection Valve 3LP-47 Bolting; B Side
B07.070.009	3-53A-LP103	OM-245-1255	QAL-13	VT-1	NA	0.000 0.000		Low Pressure Injection Valve 3LP-103 Bolting
B07.070.010	3-53A-LP104	OM-245-1255	QAL-13	VT-1	NA	0.000 0.000		Low Pressure Injection Valve 3LP-104 Bolting
<b>Total B07.070 Items:</b>		<b>3</b>						

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

DUKE POWER COMPANY  
QUALITY ASSURANCE TECHNICAL SERVICES  
Inservice Inspection Database Management System  
Oconee Unit 3

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**Inservice Inspection Plan for Interval 3 Outage 5**

CRD Housings

ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
<b>---- Bolts, Studs, and Nuts ----</b>								
B07.080.001	3-RPV-CRD-BOLTS	B&W 149902E B&W 149919E	QAL-13	VT-1	NA	0.000 0.000		Inspect Only If Disassembled; See Request for Relief ONS-004 & ONS-005; 8 bolts per CRD Housing; (14 Connections inspected up to this Date)
B07.080.002	3-RPV-CRD-RINGS	B&W 149902E B&W 149919E	QAL-13	VT-1	NA	0.000 0.000		Inspect Only If Disassembled; See Request for Relief ONS-004 & ONS-005; 1 Pair per CRD Housing; (14 Connections inspected up to this date)

Total B07.080 Items: 2

Total Category B-G-2 Items: 10





**CATEGORY B-J, Pressure Retaining Welds  
In Piping**

**NPS 4 or Larger**

DUKE POWER COMPANY  
QUALITY ASSURANCE TECHNICAL SERVICES  
Inservice Inspection Database Management System  
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ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
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Total B09.011 Items: 10

**CATEGORY B-J, Pressure Retaining Welds  
In Piping**

**Less Than NPS 4**

DUKE POWER COMPANY  
QUALITY ASSURANCE TECHNICAL SERVICES  
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ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
<b>.... Circumferential Welds ....</b>								
B09.021.018	3-PSP-8	ISI-OCN3-016 OFD-100A-3.2	NDE-35	PT	SS	2.500 0.375		Pipe to Valve (Valve 3RC-003)
B09.021.021	3-51A-141-1	3-51A-141 OFD-101A-3.1	NDE-35	PT	SS	3.000 0.438		Letdown Cooler 3A Outlet to Pipe
B09.021.024	3-51A-143-18	3-51A-143 OFD-101A-3.1	NDE-35	PT	SS	3.000 0.438		Reducer to Elbow
B09.021.025	3-51A-143-22A	3-51A-143 OFD-101A-3.1	NDE-35	PT	SS	3.000 0.438		Elbow to Letdown Cooler 3A Inlet
<b>Total B09.021 Items:</b>		<b>4</b>						

**CATEGORY B-J, Pressure Retaining Welds  
In Piping**

DUKE POWER COMPANY  
QUALITY ASSURANCE TECHNICAL SERVICES  
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**Branch Pipe Connection Welds**

ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
<b>.... Less Than NPS 4 ....</b>								
B09.032.005	3-PDA2-10	ISI-OCN3-012 OFD-100A-3.1	NDE-25	MT	CS	12.000 2.250		NPS of the HPI Nozzle = 2.5 inch Diameter & .375 Thickness Pipe to Nozzle (HPI Nozzle)
Branch Stress weld								

Total B09.032 Items: 1

Total Category B-J Items: 15

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

**Pumps**

**DUKE POWER COMPANY  
QUALITY ASSURANCE TECHNICAL SERVICES  
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ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DI/THK	CAL BLOCKS	COMMENTS
<b>.... Pump Casing Welds ....</b>								
B12.010.001	3RCP-3A1	ISI-OCN3-007 OM-1201D-0057 OM-1201D-0005	NDE-12	RT	SS	68.000 0.000		Reactor Coolant Pump 3A1 Casing Weld. (Inspect only if disassembled for maintenance purposes, repair, ect.)
								Casing to Casing
B12.010.002	3RCP-3A2	ISI-OCN3-008 OM-1201D-0057 OM-1201D-0005	NDE-12	RT	SS	0.000 6.500		Reactor Coolant Pump 3A2 Casing Weld. (Inspect only if disassembled for maintenance purposes, repair, ect.)
								Casing to Casing
B12.010.003	3RCP-3B1	ISI-OCN3-009 OM-1201D-0057 OM-1201D-0005	NDE-12	RT	SS	0.000 6.500		Reactor Coolant Pump 3B1 Casing Weld. (Inspect only if disassembled for maintenance purposes, repair, ect.) See Request for Relief ONS-008
								Casing to Casing
B12.010.004	3RCP-3B2	ISI-OCN3-010 OM-1201D-0057 OM-1201D-0005	NDE-12	RT	SS	0.000 6.500		Reactor Coolant Pump 3B2 Casing Weld. (Inspect only if disassembled for maintenance purposes, repair, ect.)
								Casing to Casing
<hr/>								
Total B12.010 Items:		4						

**CATEGORY B-L-2, Pump Casings**

DUKE POWER COMPANY  
 QUALITY ASSURANCE TECHNICAL SERVICES  
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**Pumps**

ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIATHK CAL	BLOCKS	COMMENTS
<b>**** Pump Casing ****</b>								
B12.020.001	3RCP-3A1-CASING	ISI-OCN3-007 OM-1201D-0057 OM-1201D-0005	QAL-14	VT-3	SS	0.000 0.000		Reactor Coolant Pump 3A1 Casing Internal Surfaces.(Inspect only if disassembled for maintenance purposes, repair,ect.)
B12.020.002	3RCP-3A2-CASING	ISI-OCN3-008 OM-1201D-0057 OM-1201D-0005	QAL-14	VT-3	SS	0.000 0.000		Reactor Coolant Pump 3A2 Casing Internal Surfaces.(Inspect only if disassembled for maintenance purposes, repair,ect.)
B12.020.003	3RCP-3B1-CASING	ISI-OCN3-009 OM-1201D-0057 OM-1201D-0005	QAL-14	VT-3	SS	0.000 0.000		Reactor Coolant Pump 3B1 Casing Internal Surfaces.(Inspect only if disassembled for maintenance purposes, repair,ect.)
B12.020.004	3RCP-3B2-CASING	ISI-OCN3-010 OM-1201D-0057 OM-1201D-0005	QAL-14	VT-3	SS	0.000 0.000		Reactor Coolant Pump 3B2 Casing Internal Surfaces.(Inspect only if disassembled for maintenance purposes, repair,ect.)

**Total B12.020 Items: 4**

**CATEGORY B-M-2, Valve Bodies**

DUKE POWER COMPANY  
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**Inservice Inspection Plan for Interval 3 Outage 5**

**Valves**

ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
<b>**** Valve Body, Exceeding NPS 4 ****</b>								
B12.050.001	3-53A-CF-11	OM-245-001 OFD-102A-3.3	QAL-14	VT-3	NA	14.000 0.000		A-Side Core Flood (W-Axis); Valve Body Internal Surfaces-Valve 3CF-11; (Inspect only if valve is disassembled for maintenance purposes, valve repair, ect.)
B12.050.002	3-53A-CF-12	OM-245-001 OFD-102A-3.3	QAL-14	VT-3	NA	14.000 0.000		A-Side Core Flood (W-Axis); Valve Body Internal Surfaces-Valve 3CF-12; (Inspect only if valve is disassembled for maintenance purposes, valve repair, ect.)
B12.050.003	3-53A-CF-13	OM-245-001 OFD-102A-3.3	QAL-14	VT-3	NA	14.000 0.000		B-Side Core Flood (W-Axis); Valve Body Internal Surfaces-Valve 3CF-13; (Inspect only if valve is disassembled for maintenance purposes, valve repair, ect.)
B12.050.004	3-53A-CF-14	OM-245-001 OFD-102A-3.3	QAL-14	VT-3	NA	14.000 0.000		B-Side Core Flood (W-Axis); Valve Body Internal Surfaces-Valve 3CF-14; (Inspect only if valve is disassembled for maintenance purposes, valve repair, ect.)
B12.050.005	3-53A-LP-47	OM-245-001 OFD-102A-3.2	QAL-14	VT-3	NA	14.000 0.000		B-Side LPI Valve Body Surfaces-Valve 3LP-47; (Inspect only if valve is disassembled for maintenance purposes, valve repair, ect.)
B12.050.006	3-53A-LP-48	OM-245-001 OFD-102A-3.2	QAL-14	VT-3	NA	10.000 0.000		B-Side LPI Valve Body Surfaces-Valve 3LP-48; (Inspect only if valve is disassembled for maintenance purposes, valve repair, ect.)
B12.050.007	3-53A-LP-1	OM-201-165 OFD-102A-3.1	QAL-14	VT-3	NA	12.000 0.000		B-Side LPI Valve Body Surfaces-Valve 3LP-1; (Inspect only if valve is disassembled for maintenance purposes, valve repair, ect.)
B12.050.008	3-53A-LP-2	OM-201-165 OFD-102A-3.1	QAL-14	VT-3	NA	12.000 0.000		B-Side LPI Valve Body Surfaces-Valve 3LP-2; (Inspect only if valve is disassembled for maintenance purposes, valve repair, ect.)

**Total B12.050 Items: 8**

**Total Category B-M-2 Items: 16**

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

DUKE POWER COMPANY  
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**Inservice Inspection Plan for Interval 3 Outage 5**

Piping

ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
<b>**** Integrally Welded Attachments ****</b>								
C03.020.002	3-01A-H1A Constant support	0-2480A OFD-122A-3.1 0-2490A-3(S)	NDE-25	MT	CS	26.000 1.500		File no. OSC-1334 Prob. No. 3-01-08 Main Steam System
C03.020.004	3-01A-H4A Rigid restraint	0-2481A OFD-122A-3.1 0-2490A-3(S)	NDE-25	MT	CS	26.000 0.750		File no. OSC-1334 Prob. No. 3-01-08 Main Steam System
C03.020.006	3-01A-H5A Rigid restraint	0-2481A OFD-122A-3.1 0-2490A-3(S)	NDE-25	MT	CS	26.000 0.750		File no. OSC-1334 Prob. No. 3-01-08 Main Steam System
C03.020.008	3-01A-H7A Constant support	0-2480A OFD-122A-3.1 0-2490A-3(S)	NDE-25	MT	CS	26.000 1.500		File no. OSC-1334 Prob. No. 3-01-08 Main Steam System
C03.020.025	3-53B-H101 Rigid restraint	5-0-2439B OFD-102A-3.2	NDE-35	PT	SS	10.000 1.000		File No. OS-551 Page No. 60.2; Problem No. 3-53-04 System 53B; Thickness = 1.00 & .125
C03.020.030	3-53B-SR40 Rigid restraint	5-0-2436D OFD-102A-3.2	NDE-35	PT	SS	10.000 1.000		File No. OS-550 Page No. 58 Problem No. 3-53-03; System 53B

Total C03.020 Items: 6

Total Category C-C Items: 6

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

DUKE POWER COMPANY  
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**Inservice Inspection Plan for Interval 3 Outage 5**

**Piping Welds  $\geq$  3/8 In. Nominal Wall Thickness for  
Piping  $>$  NPS 4**

ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
<b>**** Circumferential Weld ****</b>								
C05.011.009	3-53A-24-7	3-53A-24 OFD-102A-3.2	NDE-600	UT	SS	10.000	40354	Pipe to Elbow
	Circumferential					1.125		
C05.011.009A	3-53A-24-7	3-53A-24 OFD-102A-3.2	NDE-35	PT	SS	10.000		Pipe to Elbow
	Circumferential					1.125		
<b>Total C05.011 Items:</b>		<b>2</b>						



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

DUKE POWER COMPANY  
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

ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIATHK CAL	BLOCKS	COMMENTS
**** Circumferential Weld ****								
C05.021.015	3-51A-119-3	3-51A-119 OFD-101A-3.4	NDE-600	UT	SS	4.000	40406	
	Circumferential					0.531		Tee to Pipe
C05.021.015A	3-51A-119-3	3-51A-119 OFD-101A-3.4	NDE-35	PT	SS	4.000	0.531	Tee to Pipe
C05.021.019	3-51A-120-4	3-51A-120 OFD-101A-3.4	NDE-600	UT	SS	4.000	40406	
	Circumferential					0.531		Elbow to Pipe
C05.021.019A	3-51A-120-4	3-51A-120 OFD-101A-3.4	NDE-35	PT	SS	4.000	0.531	Elbow to Pipe
C05.021.024	3-51A-140-25	3-51A-140 OFD-101A-3.1	NDE-600	UT	SS	2.500	40378	
	Circumferential					0.375		Reducer to Elbow
C05.021.024A	3-51A-140-25	3-51A-140 OFD-101A-3.1	NDE-35	PT	SS	2.500	0.375	Reducer to Elbow
C05.021.031	3-51A-50-49	3-51A-50 OFD-101A-3.3	NDE-600	UT	SS	4.000	TBD	
	Circumferential Term end					0.237		Elbow to Flange (HPI Pump 3B Inlet)
C05.021.031A	3-51A-50-49	3-51A-50 OFD-101A-3.3	NDE-35	PT	SS	4.000	0.237	Elbow to Flange (HPI Pump 3B Inlet)
C05.021.041	3-51A-52-67	3-51A-52 OFD-101A-3.3	NDE-600	UT	SS	4.000	40406	
	Circumferential Term end					0.531		Elbow to Flange (HPI Pump 3B Outlet)
C05.021.041A	3-51A-52-67	3-51A-52 OFD-101A-3.3	NDE-35	PT	SS	4.000	0.531	Elbow to Flange (HPI Pump 3B Outlet)

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

**Piping Welds > 1/5 In. Nom Wall For Piping ≥  
NPS 2 And ≤ NPS 4**

DUKE POWER COMPANY  
QUALITY ASSURANCE TECHNICAL SERVICES  
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ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
C05.021.055	3-51A-67-35 Circumferential	3-51A-67 OFD-101A-3.1	NDE-600	UT	SS	2.500	40378 0.375	Pipe to Pipe
C05.021.055A	3-51A-67-35 Circumferential Term end	3-51A-67 OFD-101A-3.1	NDE-35	PT	SS	2.500	0.375	Pipe to Pipe
C05.021.065	3-51A-87-6 Circumferential	3-51A-87 OFD-101A-3.4	NDE-600	UT	SS	4.000	40406 0.531	Pipe to Tee
C05.021.065A	3-51A-87-6 Circumferential	3-51A-87 OFD-101A-3.4	NDE-35	PT	SS	4.000	0.531	Pipe to Tee

Total C05.021 Items: 14

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

**Piping Welds  $\geq$  3/8 In. Nominal Wall Thickness for  
Piping  $\geq$  NPS 4**

DUKE POWER COMPANY  
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ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
**** Circumferential Weld ****								
C05.051.005	3-01A-13-48	3-01A-13 OFD-122A-3.2	NDE-12	RT	CS	12.000 0.562		Pipe to Valve (3MS-17)
C05.051.005A	3-01A-13-48	3-01A-13 OFD-122A-3.2	NDE-25	MT	CS	12.000 0.562		Pipe to Valve (3MS-17)
C05.051.007	3-MS20B-B	3-01A-17/3MS-20B OFD-122A-3.1	NDE-12	RT	CS	24.000 0.969		Pipe (Reducing Y Fitting) to Elbow
C05.051.007A	3-MS20B-B	3-01A-17/3MS-20B OFD-122A-3.1	NDE-25	MT	CS	24.000 0.969		Pipe (Reducing Y Fitting) to Elbow
C05.051.031	3-14B-116-57	3-14B-116 OFD-124B-3.2	NDE-12	RT	CS	6.000 0.432		Flange to Pipe
C05.051.031A	3-14B-116-57	3-14B-116 OFD-124B-3.2	NDE-25	MT	CS	6.000 0.432		Flange to Pipe
C05.051.033	3-14B-119-10	3-14B-119 OFD-124B-3.2	NDE-12	RT	CS	8.000 0.500		Pipe to Elbow
C05.051.033A	3-14B-119-10	3-14B-119 OFD-124B-3.2	NDE-25	MT	CS	8.000 0.500		Pipe to Elbow
C05.051.038	3-14B-119-52	3-14B-119 OFD-124B-3.2	NDE-12	RT	CS	8.000 0.500		Pipe to Flange
C05.051.038A	3-14B-119-52	3-14B-119 OFD-124B-3.2	NDE-25	MT	CS	8.000 0.500		Pipe to Flange

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

**Piping Welds  $\geq$  3/8 In. Nominal Wall Thickness for  
Piping  $>$  NPS 4**

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ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
C05.051.046	3-20B/21-18-18 Circumferential	3-20B/21-18 OFD-116A-3.1	NDE-12	RT	CS	48.000 0.500		Pipe to Valve (Valve 3PR-2)
C05.051.046A	3-20B/21-18-18 Circumferential	3-20B/21-18 OFD-116A-3.1	NDE-25	MT	CS	48.000 0.500		Pipe to Valve (Valve 3PR-2)
<b>Total C05.051 Items:</b>		<b>12</b>						

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

**Pipe Branch Connections of Branch Piping ≥ NPS**

**2**

DUKE POWER COMPANY  
QUALITY ASSURANCE TECHNICAL SERVICES  
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ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
**** Circumferential Weld ****								
C05.081.002	3-MS12B-A	3-01A-13/3MS-12B OFD-122A-3.1	NDE-25	MT	CS	8.000 0.906		Branch Weld is Inaccessible due to gaurd pipe. Inspect Only if gaurd pipe is removed for Maintenance Activities or repair/replacement reasons. See Request for Relief ONS-010.
	Branch			Pipe to Pipe				
C05.081.005	3-MS15A-F	3-01A-9/3MS-15A OFD-122A-3.1	NDE-25	MT	CS	8.000 0.906		Branch Weld is Inaccessible due to gaurd pipe. Inspect Only if gaurd pipe is removed for Maintenance Activities or repair/replacement reasons. See Request for Relief ONS-010.
	Branch			Pipe to Pipe				
C05.081.007	3-MS15A-H	3-01A-9/3MS-15A OFD-122A-3.1	NDE-25	MT	CS	8.000 0.906		Branch Weld is Inaccessible due to gaurd pipe. Inspect Only if gaurd pipe is removed for Maintenance Activities or repair/replacement reasons. See Request for Relief ONS-010.
	Branch			Pipe to Pipe				
C05.081.012	3-14B-104-31	3-14B-104 OFD-124B-3.2	NDE-25	MT	CS	6.000 0.280		
	Branch			Pipe to Pipe				

Total C05.081 Items: 4

Total Category C-F-2 Items: 32

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

**Integral Attachment**

DUKE POWER COMPANY  
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ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
<b>**** Component Supports and Restraints ****</b>								
D02.020.002	3-01A-LC-1604 Rigid restraint	0-2403D OFD-122A-3.4	QAL-14	VT-3	NA	6.000 0.125		File no. OSC-510 Sht 1of3 Prob. No. 3-01A-04 Main Steam to Emergency F.W. Pump
D02.020.013	3-03A-DE021 Rigid restraint	0-2401A OFD-121D-3.1	QAL-14	VT-3	NA	6.000 0.500		File No. OS-516 Page No. 54; Problem No. 3-03A-04 Emergency Feedwater Pump Discharge
D02.020.014	3-03A-DE022 Rigid restraint	0-2401A OFD-121D-3.1	QAL-14	VT-3	NA	6.000 0.500		File No. OS-516 Page No. 54; Problem No. 3-03A-04 Emergency Feedwater Pump Discharge
D02.020.052	3-03A-H192 Rigid restraint	1-0-2437B OFD-121D-3.1	QAL-14	VT-3	NA	6.000 0.500		File No. OSC-525 Page No. 45; Problem No. 3-03A-08 Emergency Feedwater System
D02.020.053	3-03A-H193 Rigid restraint	1-0-2437B OFD-121D-3.1	QAL-14	VT-3	NA	6.000 0.500		File No. OSC-525 Page No. 45; Problem No. 3-03A-08 Emergency Feedwater System
D02.020.066	3-03A-SR134 Rigid restraint	1-0-2437A OFD-121D-3.1	QAL-14	VT-3	NA	6.000 1.000		File No. OSC-526 Page No. 43; Problem No. 3-03A-09 Emergency Feedwater System
D02.020.070	3-03A-SR144 Rigid restraint	1-0-2444 OFD-121D-3.1	QAL-14	VT-3	NA	6.000 0.226		File No. OS-524 Page No. 64; Problem No. 3-03A-07 Emergency Feedwater System
D02.020.071	3-03A-SR145 Rigid restraint	1-0-2437A OFD-121D-3.1	QAL-14	VT-3	NA	6.000 0.125		File No. OS-524 Page No. 63; Problem No. 3-03A-07 Emergency Feedwater System
D02.020.081	3-03A-SR195 Rigid restraint	1-0-2437B OFD-121D-3.1	QAL-14	VT-3	NA	6.000 0.125		File No. OSC-525 Page No. 44.1; Problem No. 3-03A-08 Emergency Feedwater System
D02.020.082	3-03A-SR31 Rigid restraint	1-0-2401A OFD-121D-3.1	QAL-14	VT-3	NA	6.000 1.000		File No. OS-519 Page No. 55; Problem No. 3-03A-06 Emergency Feedwater System

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

**Integral Attachment**

DUKE POWER COMPANY  
QUALITY ASSURANCE TECHNICAL SERVICES  
Inservice Inspection Database Management System  
Oconee Unit 3

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**Inservice Inspection Plan for Interval 3 Outage 5**

ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
D02.020.093	3-07A-DE005 Rigid restraint	0-2400A OFD-121A-3.8	QAL-14	VT-3	NA	8.000 0.500		File No. OS-522 Page No. 60.1 Problem No. 3-07-03; System 07A
D02.020.094	3-07A-DE007 Rigid restraint	0-2400A OFD-121A-3.8	QAL-14	VT-3	NA	8.000 0.125		File No. OS-522 Page No. 60.1 Problem No. 3-07-03; System 07A
D02.020.095	3-07A-DE047 Rigid restraint	0-2400A OFD-121A-3.8	QAL-14	VT-3	NA	8.000 0.125		File No. OS-522 Page No. 60.1 Problem No. 3-07-03; System 07A
D02.020.098	3-07A-SR19 Rigid restraint	4-0-2402A OFD-121A-3.7	QAL-14	VT-3	NA	30.000 1.000		File no. OSC-521 Page 120 Prob. No. 3-07-01 Condensate System
D02.020.100	3-07A-SR21 Rigid restraint	6-0-2402A OFD-121A-3.7	QAL-14	VT-3	NA	30.000 0.375		File no. OSC-521 Page 120 Prob. No. 3-07-01 Condensate System

SWAY STRUT to Other

Total D02.020 Items: 15

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

DUKE POWER COMPANY  
QUALITY ASSURANCE TECHNICAL SERVICES  
Inservice Inspection Database Management System  
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**Inservice Inspection Plan for Interval 3 Outage 5**

**Integral Attachment**

ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DI/THK	CAL BLOCKS	COMMENTS
<b>**** Mechanical and Hydraulic Snubbers ****</b>								
D02.030.001	3-03-SR2 Mech snubber	0-2401A OFD-121B-3.3	QAL-14	VT-3	NA	24.000 0.435		File no. OSC-512 Page136.1 Prob. No. 3-03-01 Main Feedwater System
D02.030.003	3-03A-SR100PO Hyd snubber	1-0-2401A OFD-121D-3.1	QAL-14	VT-3	NA	6.000 0.203		File No. OS-519 Page No. 55 Problem No. 3-03A-06; Emergency Feedwater System
<b>Total D02.030 Items:</b>		<b>2</b>						



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

DUKE POWER COMPANY  
QUALITY ASSURANCE TECHNICAL SERVICES  
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**Inservice Inspection Plan for Interval 3 Outage 5**

**Integral Attachment**

ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
<b>.... Spring Type Supports ....</b>								
D02.040.022	3-07A-H66 Spring hanger	6-0-2400A OFD-121A-3.8	QAL-14	VT-3	NA	12.000 0.750		File No. OSC-1211 Page No. 27 Problem No. 3-07-05; System 07A
D02.040.038	3-14B-H6 Spring hanger	0-2436D OFD-124B-3.1	QAL-14	VT-3	NA	16.000 0.187		File no. OSC-536 Prob. No. 3-14-01 Page 38 LPSWater Cooler Discharge
D02.040.039	3-14B-H7 Spring hanger	0-2436D OFD-124B-3.1	QAL-14	VT-3	NA	16.000 0.258		File no. OSC-533 Prob. No. 3-14-05 Page 60 LPSWater
D02.040.040	3-14B-H8 Spring hanger	0-2436D OFD-124B-3.1	QAL-14	VT-3	NA	16.000 0.187		File no. OS-535 Prob. No. 3-14-6 Page 60 LPSWater
<b>Total D02.040 Items:</b>		<b>4</b>						
<b>Total Category D-B Items:</b>		<b>21</b>						

CATEGORY F-A, Supports (Category A)

DUKE POWER COMPANY  
QUALITY ASSURANCE TECHNICAL SERVICES  
Inservice Inspection Database Management System  
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Class 1 Mech. Conn. to Press. Retaining Comp. &  
Bld. Structure

ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIATHK CAL	BLOCKS	COMMENTS
F01.010.006	3-51A-H9B Rigid restraint	0-2479A OFD-101A-3.4 0-2492B-3(S)	QAL-14	VT-3	NA	2.500 0.375		File No. OSC-1342-06 Vol. A Prob. No. 3-51-20 H.P.I. West Coolant Loop South Leg
Total F01.010 Items:		1						

**CATEGORY F-A, Supports (Category A)**

DUKE POWER COMPANY  
 QUALITY ASSURANCE TECHNICAL SERVICES  
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**Class 2 Weld Connections to Building Structure**

ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIATHK CAL	BLOCKS	COMMENTS
F01.020.001	3-01A-H4A Rigid restraint	0-2481A OFD-122A-3.1 0-2490A-3(S)	QAL-14	VT-3	NA	26.000 0.750		File no. OSC-1334 Prob. No. 3-01-08 Main Steam System
F01.020.002	3-01A-H5A Rigid restraint	0-2481A OFD-122A-3.1 0-2490A-3(S)	QAL-14	VT-3	CS	26.000 0.750		File no. OSC-1334 Prob. No. 3-01-08 Main Steam System
F01.020.004	3-03A-LDD-3002 Rigid restraint	0-2439A OFD-121D-3.1	QAL-14	VT-3	NA	6.000 0.500		File No. OSC-525 Page No. 44.1 Problem No. 3-03A-08; Emergency Feedwater System
F01.020.009	3-51A-DE034 Rigid restraint	1-0-2435D OFD-101A-3.3	QAL-14	VT-3	NA	6.000 0.000		File No. OSC-539 Prob. No. 3-51-2 Page 145 H.P.I. Pumps 3A,3B,&3C Suction Header
F01.020.010	3-51A-H124 Rigid restraint	6-0-2435D OFD-101A-3.3	QAL-14	VT-3	NA	6.000 0.000		File No. OSC-539 Prob. No. 3-51-2 Page 145 H.P.I. Pumps 3A,3B,&3C Suction Header
F01.020.011	3-51A-H134 Rigid restraint	1-0-2435D OFD-101A-3.3	QAL-14	VT-3	NA	6.000 0.000		File No. OSC-539 Prob. No. 3-51-2 Page 145 H.P.I. Pumps 3A,3B,&3C Suction Header
F01.020.012	3-51A-H156 Rigid restraint	1-0-2435D OFD-101A-3.3	QAL-14	VT-3	NA	6.000 0.125		File No. OSC-539 Prob. No. 3-51-2 Page 145 H.P.I. Pumps 3A,3B,&3C Suction Header
<b>Total F01.020 Items:</b>		<b>7</b>						
F01.021.010	3-14B-SR20 Rigid restraint	1-0-2439A OFD-121D-3.1	QAL-14	VT-3	NA	6.000 0.000		File No. OSC-525 Page No. 44.1 Problem No. 3-03A-08 Emergency Feedwater System
F01.021.021	3-53B-H101 Rigid restraint	5-0-2439B OFD-102A-3.2	QAL-14	VT-3	NA	10.000 1.000		File No. OS-551 Page No. 60.2 Problem No. 3-53-04 System 53B; Thickness= 1.00 & .125

**CATEGORY F-A, Supports (Category B)**

DUKE POWER COMPANY  
QUALITY ASSURANCE TECHNICAL SERVICES  
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**Inservice Inspection Plan for Interval 3 Outage 5**

**Class 2 Weld Connections to Building Structure**

ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
F01.021.026	3-53B-SR40 Rigid restraint	5-0-2436D OFD-102A-3.2	QAL-14	VT-3	NA	10.000 1.000		File No. OS-550 Page No. 58 Problem No. 3-53-03 System 53B
<b>Total F01.021 Items:</b>		<b>3</b>						
F01.022.001	3-01A-H1A Constant support	0-2480A OFD-122A-3.1 0-2490A-3(S)	QAL-14	VT-3	NA	26.000 1.500		File no. OSC-1334 Prob. No. 3-01-08 Main Steam System
F01.022.013	3-53B-SR38 Hyd snubber	5-0-2435B OFD-102A-3.2	QAL-14	VT-3	NA	10.000 0.000		File No. OS-550 Page No. 56 Problem No. 3-53-03; System 53B
<b>Total F01.022 Items:</b>		<b>2</b>						

**CATEGORY F-A, Supports (Category A)**

DUKE POWER COMPANY  
 QUALITY ASSURANCE TECHNICAL SERVICES  
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**Class 3 Weld/Mech Conns at Inter Joints in  
 Multiconn Int & Nonint Supp**

ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
F01.030.001	3-01A-LC-1604 Rigid restraint	0-2403D OFD-122A-3.4	QAL-14	VT-3	NA	6.000 0.125		File no. OSC-510 Sht 1of3 Prob. No. 3-01A-04 Main Steam to Emergency F.W. Pump
F01.030.004	3-03A-DE021 Rigid restraint	0-2401A OFD-121D-3.1	QAL-14	VT-3	NA	6.000 0.500		File No. OS-516 Page No. 54 Problem No. 3-03A-04 Emergency Feedwater Pump Discharge
F01.030.005	3-03A-DE022 Rigid restraint	0-2401A OFD-121D-3.1	QAL-14	VT-3	NA	6.000 0.500		File No. OS-516 Page No. 54 Problem No. 3-03A-04 Emergency Feedwater Pump Discharge
F01.030.020	3-07A-DE005 Rigid restraint	0-2400A OFD-121A-3.8	QAL-14	VT-3	NA	8.000 0.500		File No. OS-522 Page No. 60.1 Problem No. 3-07-03 System 07A
F01.030.021	3-07A-DE007 Rigid restraint	0-2400A OFD-121A-3.8	QAL-14	VT-3	NA	8.000 0.125		File No. OS-522 Page No. 60.1 Problem No. 3-07-03 System 07A
F01.030.022	3-07A-DE047 Rigid restraint	0-2400A OFD-121A-3.8	QAL-14	VT-3	NA	8.000 0.125		File No. OS-522 Page No. 60.1 Problem No. 3-07-03 System 07A
F01.030.023	3-07A-H45 Rigid restraint	6-0-2402A OFD-121A-3.7	QAL-14	VT-3	NA	24.000 0.000		File no. OSC-521 Page 120 Prob. No. 3-07-01 Condensate System
F01.030.026	3-07A-SR19 Rigid restraint	4-0-2402A OFD-121A-3.7	QAL-14	VT-3	NA	30.000 1.000		File no. OSC-521 Page 120 Prob. No. 3-07-01 Condensate System
<b>Total F01.030 Items:</b>		<b>8</b>						
F01.031.005	3-03A-H192 Rigid restraint	1-0-2437B OFD-121D-3.1	QAL-14	VT-3	NA	6.000 0.500		File No. OSC-525 Page No. 45 Problem No. 3-03A-08 Emergency Feedwater System

**CATEGORY F-A, Supports (Category B)**

DUKE POWER COMPANY  
 QUALITY ASSURANCE TECHNICAL SERVICES  
 Inservice Inspection Database Management System  
 Oconee Unit 3

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

Inservice inspection Plan for Interval 3 Outage 5

ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
F01.031.006	3-03A-H193 Rigid restraint	1-0-2437B OFD-121D-3.1	QAL-14	VT-3	NA	6.000 0.500		File No. OSC-525 Page No. 45 Problem No. 3-03A-08 Emergency Feedwater System
F01.031.012	3-07A-SR21 Rigid restraint	6-0-2402A OFD-121A-3.7	QAL-14	VT-3	NA	30.000 0.375		File no. OSC-521 Page 120 Prob. No. 3-07-01 Condensate System
<b>Total F01.031 Items:</b>				<b>3</b>				
F01.032.008	3-03A-SR100PO Hyd snubber	1-0-2401A OFD-121D-3.1	QAL-14	VT-3	NA	6.000 0.203		File No. OS-519 Page No. 55 Problem No. 3-03A-06 Emergency Feedwater System
F01.032.010	3-03A-SR33 Mech snubber	1-0-2401A OFD-121D-3.1	QAL-14	VT-3	NA	6.000 0.000		File No. OS-519 Page No. 55 Problem No. 3-03A-06 Emergency Feedwater System
F01.032.012	3-07A-H66 Spring hanger	6-0-2400A OFD-121A-3.8	QAL-14	VT-3	NA	12.000 0.750		File No. OSC-1211 Page No. 27 Problem No. 3-07-05 System 07A
<b>Total F01.032 Items:</b>				<b>3</b>				

SWAY STRUT to Other

**CATEGORY F-A, Supports**

DUKE POWER COMPANY  
 QUALITY ASSURANCE TECHNICAL SERVICES  
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**Inservice Inspection Plan for Interval 3 Outage 5**

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

ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
F01.040.013	3-RBCC-A	0M 2201-278A OFD 124B-3.1	QAL-14	VT-3	NA	0.000 0.000		RX Bldg. Component Cooler "A".Support A & B.Class C
F01.040.014	3-CS-QT	0M 2201-269 OFD 107A-3.1	QAL-14	VT-3	NA	0.000 0.000		Coolant Storage Quench Tank Support Legs.Class C
F01.040.020	3-RBS-PU-A	0M 2201-0597 OFD 103A-3.1	QAL-14	VT-3	NA	0.000 0.000		Reactor Bldg. Spray Pump "A" Support Legs & Pad.Class B

Total F01.040 Items: 3

Total Category F-A Items: **30**

**CATEGORY AUG, Augmented Inspections**

DUKE POWER COMPANY  
 QUALITY ASSURANCE TECHNICAL SERVICES  
 Inservice Inspection Database Management System  
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**Inservice inspection Plan for Interval 3 Outage 5**

**Reactor Coolant Pump Flywheel**

ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
G01.001.001A	3-RCP-3A1	OM-201D-038 OFD-100A-3.1	NDE-25	MT	CS	72.000 9.500		Reference Section 7 Paragraph 7.1.1 of the ISI Plan - Volume 1. RCP 3A1 Flywheel to Other
G01.001.002A	3-RCP-3A2	OM-201D-038 OFD-100A-3.1	NDE-25	MT	CS	72.000 9.500		Reference Section 7 Paragraph 7.1.1 of the ISI Plan - Volume 1. RCP 3A2 Flywheel to Other
G01.001.003A	3-RCP-3B1	OM-201D-038 OFD-100A-3.1	NDE-25	MT	CS	72.000 9.500		Reference Section 7 Paragraph 7.1.1 of the ISI Plan - Volume 1. RCP 3B1 Flywheel to Other
G01.001.004A	3-RCP-3B2	OM-201D-038 OFD-100A-3.1	NDE-25	MT	CS	72.000 9.500		Reference Section 7 Paragraph 7.1.1 of the ISI Plan - Volume 1. RCP 3B2 Flywheel to Other

Total G01.001 Items: 4

Total Category AUG Items: 4



**CATEGORY AUG, Augmented Inspections**

DUKE POWER COMPANY  
QUALITY ASSURANCE TECHNICAL SERVICES  
Inservice Inspection Database Management System  
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**Inservice Inspection Plan for Interval 3 Outage 5**

**Pressurizer Surge Line**

ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
G03.001.001	3PSL-11 Circumferential	3-50-19 ISI-OCN3-015 OFD-100A-3.2	NDE-35	PT	SS	1.000 0.250		Reference Section 7 Paragraph 7.1.3 of the ISI Plan - Volume 1.

Total G03.001 Items: 1

Total Category AUG Items: 1

**CATEGORY AUG, Augmented Inspections**

DUKE POWER COMPANY  
 QUALITY ASSURANCE TECHNICAL SERVICES  
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Inservice Inspection Plan for Interval 3 Outage 5

ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
G04.001.002	3-51A-61-43C Circumferential	3-51A-61 OFD-101A-3.4	NDE-600	UT Pipe to Pipe	SS	2.500 0.375	40378	Inspect 100% of weld & 1" of Base Metal(axial & circ.).Reference Section 7 Paragraph 7.1.4 of the ISI Plan
G04.001.004	3-51A-62-25 Circumferential	3-51A-62 OFD-101A-3.4	NDE-600	UT Valve (Valve 3HP-152) to Pipe	SS	2.500 0.375	40378	Inspect 100% of weld & 1" of Base Metal(axial & circ.).Reference Section 7 Paragraph 7.1.4 of the ISI Plan
G04.001.006	3-51A-61-39 Circumferential	3-51A-61 OFD-101A-3.4	NDE-600	UT Pipe to Elbow	SS	2.500 0.375	40378	Inspect 100% of weld & 1" of Base Metal(axial & circ.).Reference Section 7 Paragraph 7.1.4 of the ISI Plan
G04.001.007	3-51A-61-41 Circumferential	3-51A-61 OFD-101A-3.4	NDE-600	UT Pipe to Elbow	SS	2.500 0.375	40378	Inspect 100% of weld & 1" of Base Metal(axial & circ.).Reference Section 7 Paragraph 7.1.4 of the ISI Plan
G04.001.008	3-51A-61-42 Circumferential	3-51A-61 OFD-101A-3.4	NDE-600	UT Elbow to Valve (Valve 3HP-153)	SS	2.500 0.375	40378	Inspect 100% of weld & 1" of Base Metal(axial & circ.).Reference Section 7 Paragraph 7.1.4 of the ISI Plan
G04.001.009	3-51A-62-19A Circumferential	3-51A-62 OFD-101A-3.4	NDE-600	UT Pipe to Elbow	SS	2.500 0.375	40378	Inspect 100% of weld & 1" of Base Metal(axial & circ.).Reference Section 7 Paragraph 7.1.4 of the ISI Plan
G04.001.010	3-51A-62-23 Circumferential	3-51A-62 OFD-101A-3.4	NDE-600	UT Pipe to Elbow	SS	2.500 0.375	40378	Inspect 100% of weld & 1" of Base Metal(axial & circ.).Reference Section 7 Paragraph 7.1.4 of the ISI Plan
G04.001.011	3-51A-62-24 Circumferential	3-51A-62 OFD-101A-3.4	NDE-600	UT Elbow to Valve (Valve 3HP-152)	SS	2.500 0.375	40378	Inspect 100% of weld & 1" of Base Metal(axial & circ.).Reference Section 7 Paragraph 7.1.4 of the ISI Plan
<b>Total G04.001 Items:</b>		<b>8</b>						
<b>Total Category AUG Items:</b>		<b>8</b>						



**CATEGORY AUG, Augmented Inspections**

DUKE POWER COMPANY  
 QUALITY ASSURANCE TECHNICAL SERVICES  
 Inservice Inspection Database Management System  
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**Inservice Inspection Plan for Interval 3 Outage 5**

**Class 1 RTE Mounting Bosses**

ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
G10.001.004 Branch	3-PHB-13	ISI-OCN3-006 OFD-100A-3.1	NDE-35	PT	CS/Inconel	9.000 2.875		Reference Section 7 Paragraph 7.1.10 of the ISI Plan - Volume1 The diameter of hole that penetrates through the nozzle into the hot leg = .613
							X -	Nozzle (RTE Nozzle) to Pipe (B Hot Leg axis)
G10.001.005 Branch	3-PHB-14	ISI-OCN3-006 OFD-100A-3.1	NDE-35	PT	CS/Inconel	9.000 2.875		Reference Section 7 Paragraph 7.1.10 of the ISI Plan - Volume1 The diameter of hole that penetrates through the nozzle into the hot leg = .613
							Y Z -	Nozzle (RTE Nozzle) to Pipe (B Hot Leg axis)
G10.001.006 Branch	3-PHB-15	ISI-OCN3-006 OFD-100A-3.1	NDE-35	PT	CS/Inconel	9.000 2.875		Reference Section 7 Paragraph 7.1.10 of the ISI Plan - Volume1 The diameter of hole that penetrates through the nozzle into the hot leg = .613
							Z W -	Nozzle (RTE Nozzle) to Pipe (B Hot Leg axis)

Total G10.001 Items: 3

Total Category AUG Items: 3

CATEGORY

DUKE POWER COMPANY  
 QUALITY ASSURANCE TECHNICAL SERVICES  
 Inservice Inspection Database Management System  
 Oconee Unit 3

Inservice Inspection Plan for Interval 3 Outage 5

ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DI/THK	CAL BLOCKS	COMMENTS
G11.001.001	3RCP-3A2	OM-1201-1217 OFD-100A-3.1	QAL-13	VT-1	SS	0.000 0.000		Inspect Fig. Joint, Studs and Adj. area Per Req. for Relief ONS-011. Ref. Section 7 Paragraph 7.1.11 of the ISI Plan - Volume 1. RCP 3A2 Main Flange ; Each refueling outage the flange
G11.001.002	3RCP-3B1	OM-1201-1217 OFD-100A-3.1	QAL-13	VT-1	SS	0.000 0.000		Inspect Fig. Joint, Studs and Adj. area Per Req. for Relief ONS-011. Ref. Section 7 Paragraph 7.1.11 of the ISI Plan - Volume 1. RCP 3B1 Main Flange ; Each refueling outage the flange

Total G11.001 Items: 2

Total Category Items: 2

Duke Power Company  
Quality Assurance Technical Services

Inservice Inspection Plan For:

Oconee Unit 3

Interval 3

ISI Outage 5

Refueling Outage EOC 19

**Pressure Test Listing**

Revision 0

Run Date: April 26, 1994

OCONEE UNIT NUMBER 3  
CLASS A (CATEGORY B-P) REQUIREMENTS  
FOR OUTAGE NUMBER 19

<u>ITEM NO.</u>	<u>DRAWING</u>	<u>REV</u>	<u>TEST</u>	<u>COMP</u>	<u>COMP NAME</u>	<u>REQ. INSP</u>	<u>REQ. PROC</u>	<u>COMMENTS</u>
B15.050.001	SEE COMMENTS	N/A	LEAK	VARIOUS	RC SYSTEM	VT-2	QAL-15	Drawings that make up the Class A Leakage Boundary: OFDL-100A-3.1, OFDL-100A-3.2, OFDL-100A-3.3, OFDL-101A-3.1, OFDL-101A-3.4, OFDL-101A-3.5, OFDL-102A-3.1, OFDL-102A-3.2, OFDL-102A-3.3, OFDL-110A-3.1, OFDL-110A-3.4, OFDL-127B-3.2

OCONEE UNIT NUMBER 3  
CLASS B (CATEGORY 1) REQUIREMENTS  
FOR OUTAGE NUMBER 19

ITEM NO.	DRAWING	REV	TEST	COMP	COMP NAME	REQ. INSP	REQ. PROC	COMMENTS
C07.030.001	OFDL-101A-3.1	00	INS/FUN	VARIOUS	HPI SYSTEM	VT-2	QAL-15	Penetrations 6 and 7
C07.030.002	OFDL-101A-3.2	00	INSER	VARIOUS	HPI SYSTEM	VT-2	QAL-15	
C07.030.003	OFDL-101A-3.3	00	INSER	VARIOUS	HPI SYSTEM	VT-2	QAL-15	
C07.030.004	OFDL-101A-3.4	00	INS/FUN	VARIOUS	HPI SYSTEM	VT-2	QAL-15	Penetrations 8, 9, 10, 23 and 52
C07.030.005	OFDL-101A-3.5	00	INSER	VARIOUS	HPI SYSTEM	VT-2	QAL-15	
C07.030.006	OFDL-102A-3.1	00	INS/FUN	VARIOUS	LPI SYSTEM	VT-2	QAL-15	Penetrations 36, 37 and 62
C07.030.007	OFDL-102A-3.2	00	INS/FUN	VARIOUS	LP SYSTEM	VT-2	QAL-15	Penetrations 15 and 16
C07.030.008	OFDL-102A-3.3	00	FUNCT	VARIOUS	LPI SYSTEM	VT-2	QAL-15	Penetrations 39 and 59
C07.030.009	OFDL-103A-3.1	00	FUNCT	VARIOUS	BS SYSTEM	VT-2	QAL-15	
C07.030.010	OFDL-104A-3.1	00	FUNCT	VARIOUS	SF SYSTEM	VT-2	QAL-15	Penetration 56
C07.030.012	OFDL-106E-3.1	00	FUNCT	VARIOUS	DW SYSTEM	VT-2	QAL-15	Penetrations 46 and 55
C07.030.013	OFDL-107A-3.1	00	FUNCT	VARIOUS	CS SYSTEM	VT-2	QAL-15	Penetrations 18 and 38
C07.030.014	OFDL-107A-3.2	00	FUNCT	VARIOUS	CS SYSTEM	VT-2	QAL-15	Penetration 29
C07.030.015	OFDL-107B-3.1	00	FUNCT	VARIOUS	LWD SYSTEM	VT-2	QAL-15	Penetration 5
C07.030.016	OFDL-107D-3.2	00	FUNCT	VARIOUS	LWD SYSTEM	VT-2	QAL-15	Penetration 40
C07.030.017	OFDL-110A-3.1	00	INS/FUN	VARIOUS	CA SYSTEM	VT-2	QAL-15	Penetrations 2 and 58
C07.030.018	OFDL-110A-3.3	00	FUNCT	VARIOUS	CA SYSTEM	VT-2	QAL-15	Penetrations 24 and 42
C07.030.019	OFDL-110A-3.4	00	FUNCT	VARIOUS	CA SYSTEM	VT-2	QAL-15	
C07.030.020	OFDL-116A-3.1	00	FUNCT	VARIOUS	PR SYSTEM	VT-2	QAL-15	Penetrations 19 and 20
C07.030.021	OFDL-116C-3.1	00	FUNCT	VARIOUS	PR SYSTEM	VT-2	QAL-15	Penetrations 60 and 61



OCONEE UNIT NUMBER 3  
CLASS B (CATEGORY C-H) REQUIREMENTS  
FOR OUTAGE NUMBER 19

ITEM NO.	DRAWING	REV	TEST	COMP	COMP NAME	REQ. INSP	REQ. PROC	COMMENTS
C07.030.022	OFDL-121B-3.3	00	INS/FUN	VARIOUS	FDW SYSTEM	VT-2	QAL-15	Penetrations 25 and 27
C07.030.023	OFDL-121B-3.5	00	FUNCT	VARIOUS	FDW SYSTEM	VT-2	QAL-15	Penetrations 4 and 43
C07.030.024	OFDL-121D-1.2	02	FUNCT	VARIOUS	EFW SYSTEM	VT-2	QAL-15	
C07.030.025	OFDL-121D-3.1	00	FUNCT	VARIOUS	EFW SYSTEM	VT-2	QAL-15	Penetrations 17 and 50
C07.030.026	OFDL-122A-3.1	00	INSER	VARIOUS	MS SYSTEM	VT-2	QAL-15	Penetrations 26 and 28
C07.030.027	OFDL-122A-3.2	00	INSER	VARIOUS	MS SYSTEM	VT-2	QAL-15	
C07.030.028	OFDL-122A-3.3	00	INSER	VARIOUS	MS SYSTEM	VT-2	QAL-15	
C07.030.029	OFDL-122A-3.4	00	INSER	VARIOUS	MS SYSTEM	VT-2	QAL-15	
C07.030.030	OFDL-122B-3.1	00	INSER	VARIOUS	MS SYSTEM	VT-2	QAL-15	
C07.030.031	OFDL-124B-3.2	00	FUNCT	VARIOUS	LPSW SYSTEM	VT-2	QAL-15	Penetrations 30, 31, 32, 33, 34 and 35
C07.030.032	OFDL-124B-3.4	00	INSER	VARIOUS	LPSW SYSTEM	VT-2	QAL-15	Penetrations 21 and 22
C07.030.033	OFDL-127B-3.2	00	FUNCT	VARIOUS	N SYSTEM	VT-2	QAL-15	Penetrations 39 and 53
C07.030.034	OFDL-137A-3.3	00	FUNCT	VARIOUS	BA SYSTEM	VT-2	QAL-15	Penetration 48
C07.030.035	OFDL-137B-1.2	01	FUNCT	VARIOUS	IA SYSTEM	VT-2	QAL-15	Penetration 41
C07.030.036	OFDL-144A-3.2	00	FUNCT	VARIOUS	CC SYSTEM	VT-2	QAL-15	Penetrations 3 and 54
C07.030.037	OFDL-144A-3.3	00	FUNCT	VARIOUS	CC SYSTEM	VT-2	QAL-15	Penetration 44
C07.040.002	OFDH-101A-3.2	00	HYDRO	VARIOUS	HPI SYSTEM	VT-2	QAL-15	
C07.040.003	OFDH-101A-3.3	00	HYDRO	VARIOUS	HPI SYSTEM	VT-2	QAL-15	
C07.040.011	OFDH-104A-3.2	00	HYDRO	VARIOUS	SF SYSTEM	VT-2	QAL-15	

OCONEE UNIT NUMBER 3  
CLASS C (CATEGORY A) REQUIREMENTS  
FOR OUTAGE NUMBER 19

ITEM NO.	DRAWING	REV	TEST	COMP	COMP NAME	REQ. INSP	REQ. PROC	COMMENTS
D01.011.001	OFDL-100A-3.3	00	INSER	VARIOUS	RC SYSTEM	VT-2	QAL-15	
D01.011.002	OFDL-101A-3.1	00	INSER	VARIOUS	HPI SYSTEM	VT-2	QAL-15	
D01.011.003	OFDL-101A-3.2	00	INSER	VARIOUS	HPI SYSTEM	VT-2	QAL-15	
D01.011.004	OFDL-101A-3.3	00	INSER	VARIOUS	HPI SYSTEM	VT-2	QAL-15	
D01.011.005	OFDL-101A-3.4	00	INSER	VARIOUS	HPI SYSTEM	VT-2	QAL-15	
D01.011.006	OFDL-101A-3.5	00	INSER	VARIOUS	HPI SYSTEM	VT-2	QAL-15	
D01.011.007	OFDL-102A-3.1	00	INSER	VARIOUS	LPI SYSTEM	VT-2	QAL-15	
D01.011.008	OFDL-102A-3.2	00	INSER	VARIOUS	LPI SYSTEM	VT-2	QAL-15	
D01.011.009	OFDL-106A-3.2	00	INSER	VARIOUS	CT SYSTEM	VT-2	QAL-15	
D01.011.010	OFDL-109A-3.1	00	INSER	VARIOUS	HP SYSTEM	VT-2	QAL-15	
D01.011.011	OFDL-110A-3.1	00	INSER	VARIOUS	CA SYSTEM	VT-2	QAL-15	
D01.011.012	OFDL-110A-3.4	00	INSER	VARIOUS	CA SYSTEM	VT-2	QAL-15	
D01.011.013	OFDL-144A-3.2	00	INSER	VARIOUS	CC SYSTEM	VT-2	QAL-15	

OCONEE UNIT NUMBER 3  
CLASS C (CATEGORY D-B) REQUIREMENTS  
FOR OUTAGE NUMBER 19

ITEM NO.	DRAWING	REV	TEST	COMP	COMP NAME	REQ. INSP	REQ. PROC	COMMENTS
D02.011.001	OFDL-121A-1.8	02	FUNCT	VARIOUS	C SYSTEM	VT-2	QAL-15	
D02.011.002	OFDL-121A-3.3	00	FUNCT	VARIOUS	C SYSTEM	VT-2	QAL-15	
D02.011.003	OFDL-121A-3.7	00	FUNCT	VARIOUS	C SYSTEM	VT-2	QAL-15	
D02.011.004	OFDL-121A-3.8	00	FUNCT	VARIOUS	C SYSTEM	VT-2	QAL-15	
D02.011.005	OFDL-121B-3.3	00	FUNCT	VARIOUS	FDW SYSTEM	VT-2	QAL-15	
D02.011.006	OFDL-121B-3.5	00	FUNCT	VARIOUS	FDW SYSTEM	VT-2	QAL-15	
D02.011.007	OFDL-121D-3.1	00	FUNCT	VARIOUS	EFW SYSTEM	VT-2	QAL-15	
D02.011.008	OFDL-133A-2.5	01	FUNCT	VARIOUS	CCW SYSTEM	VT-2	QAL-15	
D02.011.009	OFDL-122A-3.4	00	FUNCT	VARIOUS	MS SYSTEM	VT-2	QAL-15	
D02.011.010	OFDL-124A-1.1	02	FUNCT	VARIOUS	LPSW SYSTEM	VT-2	QAL-15	
D02.011.011	OFDL-124A-3.1	00	FUNCT	VARIOUS	LPSW SYSTEM	VT-2	QAL-15	
D02.011.012	OFDL-124A-3.3	00	FUNCT	VARIOUS	LPSW SYSTEM	VT-2	QAL-15	
D02.011.013	OFDH-124B-3.1	00	FUNCT	VARIOUS	LPSW SYSTEM	VT-2	QAL-15	
D02.011.014	OFDL-124B-3.2	00	FUNCT	VARIOUS	LPSW SYSTEM	VT-2	QAL-15	
D02.011.015	OFDL-124B-3.4	00	FUNCT	VARIOUS	LPSW SYSTEM	VT-2	QAL-15	
D02.011.016	OFDL-124C-3.2	00	FUNCT	VARIOUS	HPSW SYSTEM	VT-2	QAL-15	
D02.011.017	OFDL-133A-3.1	00	FUNCT	VARIOUS	CCW SYSTEM	VT-2	QAL-15	
D02.011.018	OFDL-133A-3.2	00	FUNCT	VARIOUS	CCW SYSTEM	VT-2	QAL-15	
D02.011.019	OFDL-133A-3.3	00	FUNCT	VARIOUS	CCW SYSTEM	VT-2	QAL-15	
D02.011.020	OFDL-133A-3.4	00	FUNCT	VARIOUS	CCW SYSTEM	VT-2	QAL-15	

OCONEE UNIT NUMBER 3  
CLASS C (CATEGORY C) REQUIREMENTS  
FOR OUTAGE NUMBER 19

<u>ITEM NO.</u>	<u>DRAWING</u>	<u>REV</u>	<u>TEST</u>	<u>COMP</u>	<u>COMP NAME</u>	<u>REQ. INSP</u>	<u>REQ. PROC</u>	<u>COMMENTS</u>
D03.011.001	OFDL-104A-3.1	00	INSER	VARIOUS	SF SYSTEM	VT-2	QAL-15	
D03.011.002	OFDL-104A-3.2	00	INSER	VARIOUS	SF SYSTEM	VT-2	QAL-15	

Duke Power Company  
Quality Assurance Technical Services

Inservice Inspection Plan For:

Oconee Unit 3

Interval 3

ISI Outage 6

Refueling Outage EOC 20

**ISI Inspection Listing**

Revision 0

Run Date: May 11, 1994

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

DUKE POWER COMPANY  
QUALITY ASSURANCE TECHNICAL SERVICES  
Inservice Inspection Database Management System  
Oconee Unit 3  
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Pressurizer

ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
<b>**** Shell-to-Head Welds; Circumferential ****</b>								
B02.011.002	3-PZR-WP28	ISI-OCN3-002	NDE-640	UT	CS	84.000	40394	Pressurizer Lower Head Pc.6 to Heater Belt Shell Pc. 4 and Lower Heater Belt Forging Pc. 40.
	Circumferential	OM-2201-229	NDE-620			4.750		
Head to Heater Belt Shell								
<b>Total B02.011 Items:</b>		<b>1</b>						
<b>**** Shell-to-Head Welds; Longitudinal ****</b>								
B02.012.002	3-PZR-WP7-1	ISI-OCN3-002	NDE-640	UT	CS	0.000	40338	Pressurizer Heater Belt Shell Pc.4 to Lower Heater Belt Forging Pc.40 and Upper Heater Belt Forging Pc.41 (Y-Axis).
	Longitudinal	OM-2201-229	NDE-620			6.188		
Shell to Heater Belt Forging								
B02.012.003	3-PZR-WP7-2	ISI-OCN3-002	NDE-640	UT	CS	0.000	40338	Pressurizer Heater belt Shell Pc. 4 to Lower Heater Belt Forging Pc. 40 and Upper Heater Belt Forging Pc.41 (X- Axis).
	Longitudinal	OM-2201-229	NDE-620			6.188		
Shell to Heater Belt Forging								
<b>Total B02.012 Items:</b>		<b>2</b>						

**CATEGORY B-B. Pressure Retaining Welds  
in Vessels Other Than Reactor Vessels**

DUKE POWER COMPANY  
QUALITY ASSURANCE TECHNICAL SERVICES  
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**Inservice Inspection Plan for Interval 3 Outage 6**

**Steam Generators (Primary Side)**

ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
<b>---- Tubesheet-to-Head Weld ----</b>								
B02.040.001	3-SGA-WG58-1	ISI-OCN3-003	NDE-620	UT	CS	119.000	40393	Steam Generator 3A Upper Head Pc.8 to Tubesheet Pc.
	Circumferential	OM-2201-222	NDE-640			8.000		51.
				Head to Tubesheet				

Total B02.040 Items: 1

Total Category B-B Items: 4

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

**Steam Generators (Primary Side)**

DUKE POWER COMPANY  
QUALITY ASSURANCE TECHNICAL SERVICES  
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ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
<b>.... Nozzle-to-Vessel Welds ....</b>								
B03.130.005	3-SGA-WG25 Circumferential	ISI-OCN3-003 OM-2201-222 B&W109611E	NDE-620 NDE-640	UT	CS	48.630 8.000	40393	Steam Generator 3A Inlet Nozzle Pc. 70 to Upper Head Pc. 8.  Nozzle to Head
B03.130.006	3-SGB-WG25 Circumferential	ISI-OCN3-004 OM-2201-222 B&W109611E	NDE-620 NDE-640	UT	CS	48.630 8.000	40393	Steam Generator 3B Inlet Nozzle Pc. 70 to Upper Head Pc. 8.  Nozzle to Head
<b>Total B03.130 Items:</b>		<b>2</b>						



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

**Steam Generators (Primary Side)**

DUKE POWER COMPANY  
QUALITY ASSURANCE TECHNICAL SERVICES  
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ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
<b>**** Nozzle Inside Radius Section ****</b>								
B03.140.005	3-SGA-WG25	ISI-OCN3-003 OM-2201-222 B&W109611D	NDE-680	UT	CS	48.630	40393 8.000	Steam Generator 3A Inlet Nozzle Pc. 70 (Inside Radius Section). Nozzle to Upper Head
B03.140.006	3-SGB-WG25	ISI-OCN3-004 OM-2201-222 B&W109611D	NDE-680	UT	CS	48.630	40393 8.000	Steam Generator 3B Inlet Nozzle Pc. 70 (Inside Radius Section). Nozzle to Upper Head

Total B03.140 Items: 2

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Total Category B-D Items: 4

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

Piping

DUKE POWER COMPANY  
QUALITY ASSURANCE TECHNICAL SERVICES  
Inservice Inspection Database Management System  
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Inservice Inspection Plan for Interval 3 Outage 6

ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
<b>**** NPS 4 or Larger; Dissimilar Metal Butt Welds ****</b>								
B05.130.001	3-53A-18-11	3-53A-18 OFD-102A-3.1	NDE-610	UT	SS/Inconel	12.000 1.125	40413	Inspect at the same time that you inspect weld #3-PHA-17.
	Circumferential							Pipe to Decay Heat Noz Safe End
B05.130.001A	3-53A-18-11	3-53A-18 OFD-102A-3.1	NDE-35	PT	SS/Inconel	12.000 1.125		Inspect at the same time that you inspect weld #3-PHA-17.
	Circumferential							Pipe to Decay Heat Noz Safe End
B05.130.002	3-PHA-17	ISI-OCN3-005 OFD-100A-3.1	NDE-610	UT	CS/Inconel	12.000 1.125	40413	Inspect at the same time that you inspect Weld # 3-53A-18-11
	Circumferential							Nozzle (Decay Heat Nozzle) to Safe End Buttering
B05.130.002A	3-PHA-17	ISI-OCN3-005 OFD-100A-3.1	NDE-35	PT	CS/Inconel	12.000 1.125		Inspect at the same time that you inspect weld #3-53A-18-11
	Circumferential							Nozzle (Decay Heat Nozzle) to Safe End Buttering
B05.130.013	3-PSP-1	ISI-OCN3-016 OFD-100A-3.2	NDE-610	UT	SS/Inconel	4.000 0.438	TBD	
	Circumferential Term end / Stress weld							Nozzle (PZR Spray Nozzle) to Pipe
B05.130.013A	3-PSP-1	ISI-OCN3-016 OFD-100A-3.2	NDE-35	PT	SS/Inconel	4.000 0.438		
	Circumferential Term end / Stress weld							Nozzle (PZR Spray Nozzle) to Pipe
<b>Total B05.130 Items:</b>		<b>6</b>						

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

DUKE POWER COMPANY  
QUALITY ASSURANCE TECHNICAL SERVICES  
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**Inservice Inspection Plan for Interval 3 Outage 6**

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

B05.140.002	3-50-21-1 Circumferential	3-50-21 OFD-100A-3.1	NDE-35	PT	SS/Inconel	1.500 0.281		Elbow to Nozzle
B05.140.008	3-PDB2-11 Circumferential	ISI-OCN3-014 OFD-100A-3.1	NDE-35	PT	SS/CS	2.500 0.375		Pipe (HPI Nozzle) to Nozzle (Safe End)

Total B05.140 Items:	2
Total Category B-F Items:	8

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

Reactor Vessel

DUKE POWER COMPANY  
QUALITY ASSURANCE TECHNICAL SERVICES  
Inservice Inspection Database Management System  
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ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
**** Closure Head Nuts ****								
B06.010.001	3RPV-26-209-1	OM-2201-52 B&W 149922	NDE-25	MT	CS	9.250 1.300		Closure Head Nut
B06.010.002	3RPV-26-209-02	OM-2201-52 B&W 149922	NDE-25	MT	CS	9.250 1.300		Closure Head Nut
B06.010.003	3RPV-26-209-03	OM-2201-52 B&W 149922	NDE-25	MT	CS	9.250 1.300		Closure Head Nut
B06.010.004	3RPV-26-209-04	OM-2201-52 B&W 149922	NDE-25	MT	CS	9.250 1.300		Closure Head Nut
B06.010.005	3RPV-26-209-05	OM-2201-52 B&W 149922	NDE-25	MT	CS	9.250 1.300		Closure Head Nut
B06.010.006	3RPV-26-209-06	OM-2201-52 B&W 149922	NDE-25	MT	CS	9.250 1.300		Closure Head Nut
B06.010.007	3RPV-26-209-07	OM-2201-52 B&W 149922	NDE-25	MT	CS	9.250 1.300		Closure Head Nut
B06.010.008	3RPV-26-209-08	OM-2201-52 B&W 149922	NDE-25	MT	CS	9.250 1.300		Closure Head Nut
B06.010.009	3RPV-26-209-09	OM-2201-52 B&W 149922	NDE-25	MT	CS	9.250 1.300		Closure Head Nut
B06.010.025	3RPV-26-209-61	OM-2201-52 B&W 149922	NDE-25	MT	CS	9.250 1.300		Closure Head Nut

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

DUKE POWER COMPANY  
QUALITY ASSURANCE TECHNICAL SERVICES  
Inservice Inspection Database Management System  
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**Inservice Inspection Plan for interval 3 Outage 6**

Reactor Vessel

ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
B06.010.026	3RPV-26-209-26	OM-2201-52 B&W 149922	NDE-25	MT	CS	9.250 1.300		Closure Head Nut
B06.010.027	3RPV-26-209-62	OM-2201-52 B&W 149922	NDE-25	MT	CS	9.250 1.300		Closure Head Nut
B06.010.028	3RPV-26-209-28	OM-2201-52 B&W 149922	NDE-25	MT	CS	9.250 1.300		Closure Head Nut
B06.010.029	3RPV-26-209-29	OM-2201-52 B&W 149922	NDE-25	MT	CS	9.250 1.300		Closure Head Nut
B06.010.030	3RPV-26-209-30	OM-2201-52 B&W 149922	NDE-25	MT	CS	9.250 1.300		Closure Head Nut
B06.010.031	3RPV-26-209-31	OM-2201-52 B&W 149922	NDE-25	MT	CS	9.250 1.300		Closure Head Nut
B06.010.032	3RPV-26-209-32	OM-2201-52 B&W 149922	NDE-25	MT	CS	9.250 1.300		Closure Head Nut
B06.010.033	3RPV-26-209-33	OM-2201-52 B&W 149922	NDE-25	MT	CS	9.250 1.300		Closure Head Nut
B06.010.034	3RPV-26-209-67	OM-2201-52 B&W 149922	NDE-25	MT	CS	9.250 1.300		Closure Head Nut
B06.010.035	3RPV-26-209-35	OM-2201-52 B&W 149922	NDE-25	MT	CS	9.250 1.300		Closure Head Nut

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

Reactor Vessel

DUKE POWER COMPANY  
QUALITY ASSURANCE TECHNICAL SERVICES  
Inservice Inspection Database Management System  
Oconee Unit 3

Inservice Inspection Plan for Interval 3 Outage 6

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ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
B06.010.051	3RPV-26-209-51	OM-2201-52 B&W 149922	NDE-25	MT	CS	9.250 1.300		Closure Head Nut
B06.010.052	3RPV-26-209-52	OM-2201-52 B&W 149922	NDE-25	MT	CS	9.250 1.300		Closure Head Nut
B06.010.053	3RPV-26-209-53	OM-2201-52 B&W 149922	NDE-25	MT	CS	9.250 1.300		Closure Head Nut
B06.010.054	3RPV-26-209-54	OM-2201-52 B&W 149922	NDE-25	MT	CS	9.250 1.300		Closure Head Nut
B06.010.055	3RPV-26-209-55	OM-2201-52 B&W 149922	NDE-25	MT	CS	9.250 1.300		Closure Head Nut
B06.010.056	3RPV-26-209-56	OM-2201-52 B&W 149922	NDE-25	MT	CS	9.250 1.300		Closure Head Nut
B06.010.057	3RPV-26-209-57	OM-2201-52 B&W 149922	NDE-25	MT	CS	9.250 1.300		Closure Head Nut
B06.010.058	3RPV-26-209-58	OM-2201-52 B&W 149922	NDE-25	MT	CS	9.250 1.300		Closure Head Nut
B06.010.059	3RPV-26-209-59	OM-2201-52 B&W 149922	NDE-25	MT	CS	9.250 1.300		Closure Head Nut
B06.010.060	3RPV-26-209-60	OM-2201-52 B&W 149922	NDE-25	MT	CS	9.250 1.300		Closure Head Nut

Total B06.010 Items: 20

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

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**Inservice Inspection Plan for Interval 3 Outage 6**

Reactor Vessel

ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
**** Closure Studs, when removed ****								
B06.030.001	3RPV-26-209-01	OM-2201-52 B&W 149922 OM-2201-51	NDE-942	UT	CS	6.500 0.000	TBD	Reactor Closure Stud. Inspect when removed. Stud Length-63.250"
B06.030.001A	3RPV-26-209-01	OM-2201-52 B&W 149922 OM-2201-51	NDE-25	MT	CS	6.500 0.000		Reactor Closure Stud. Inspect when removed. Stud Length-63.250"
B06.030.002	3RPV-26-209-02	OM-2201-52 B&W 149922 OM-2201-51	NDE-942	UT	CS	6.500 0.000	TBD	Reactor Closure Stud. Inspect when removed. Stud Length-63.250"
B06.030.002A	3RPV-26-209-02	OM-2201-52 B&W 149922 OM-2201-51	NDE-25	MT	CS	6.500 0.000		Reactor Closure Stud. Inspect when removed. Stud Length-63.250"
B06.030.003	3RPV-26-209-03	OM-2201-52 B&W 149922 OM-2201-51	NDE-942	UT	CS	6.500 0.000	TBD	Reactor Closure Stud. Inspect when removed. Stud Length-63.250"
B06.030.003A	3RPV-26-209-03	OM-2201-52 B&W 149922 OM-2201-51	NDE-25	MT	CS	6.500 0.000		Reactor Closure Stud. Inspect when removed. Stud Length-63.250"
B06.030.004	3RPV-26-209-04	OM-2201-52 B&W 149922 OM-2201-51	NDE-942	UT	CS	6.500 0.000	TBD	Reactor Closure Stud. Inspect when removed. Stud Length-63.250"
B06.030.004A	3RPV-26-209-04	OM-2201-52 B&W 149922 OM-2201-51	NDE-25	MT	CS	6.500 0.000		Reactor Closure Stud. Inspect when removed. Stud Length-63.250"
B06.030.005	3RPV-26-209-05	OM-2201-52 B&W 149922 OM-2201-51	NDE-942	UT	CS	6.500 0.000	TBD	Reactor Closure Stud. Inspect when removed. Stud Length-63.250"
B06.030.005A	3RPV-26-209-05	OM-2201-52 B&W 149922 OM-2201-51	NDE-25	MT	CS	6.500 0.000		Reactor Closure Stud. Inspect when removed. Stud Length-63.250"

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

**DUKE POWER COMPANY  
QUALITY ASSURANCE TECHNICAL SERVICES  
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**Inservice Inspection Plan for Interval 3 Outage 6**

**Reactor Vessel**

ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
B06.030.006	3RPV-26-209-06	OM-2201-52 B&W 149922 OM-2201-51	NDE-942	UT	CS	6.500 0.000	TBD	Reactor Closure Stud. Inspect when removed. Stud Length-63.250"
B06.030.006A	3RPV-26-209-06	OM-2201-52 B&W 149922 OM-2201-51	NDE-25	MT	CS	6.500 0.000		Reactor Closure Stud. Inspect when removed. Stud Length-63.250"
B06.030.007	3RPV-26-209-07	OM-2201-52 B&W 149922 OM-2201-51	NDE-942	UT	CS	6.500 0.000	TBD	Reactor Closure Stud. Inspect when removed. Stud Length-63.250"
B06.030.007A	3RPV-26-209-07	OM-2201-52 B&W 149922 OM-2201-51	NDE-25	MT	CS	6.500 0.000		Reactor Closure Stud. Inspect when removed. Stud Length-63.250"
B06.030.008	3RPV-26-209-08	OM-2201-52 B&W 149922 OM-2201-51	NDE-942	UT	CS	6.500 0.000	TBD	Reactor Closure Stud. Inspect when removed. Stud Length-63.250"
B06.030.008A	3RPV-26-209-08	OM-2201-52 B&W 149922 OM-2201-51	NDE-25	MT	CS	6.500 0.000		Reactor Closure Stud. Inspect when removed. Stud Length-63.250"
B06.030.009	3RPV-26-209-09	OM-2201-52 B&W 149922 OM-2201-51	NDE-942	UT	CS	6.500 0.000	TBD	Reactor Closure Stud. Inspect when removed. Stud Length-63.250"
B06.030.009A	3RPV-26-209-09	OM-2201-52 B&W 149922 OM-2201-51	NDE-25	MT	CS	6.500 0.000		Reactor Closure Stud. Inspect when removed. Stud Length-63.250"
B06.030.025	3RPV-26-209-61	OM-2201-52 B&W 149922 OM-2201-51	NDE-942	UT	CS	6.500 0.000	TBD	Reactor Closure Stud. Inspect when removed. Stud Length-63.250"
B06.030.025A	3RPV-26-209-61	OM-2201-52 B&W 149922 OM-2201-51	NDE-25	MT	CS	6.500 0.000		Reactor Closure Stud. Inspect when removed. Stud Length-63.250"



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

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ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
B06.030.026	3RPV-26-209-26	OM-2201-52 B&W 149922 OM-2201-51	NDE-942	UT	CS	6.500 0.000	TBD	Reactor Closure Stud. Inspect when removed. Stud Length-63.250"
B06.030.026A	3RPV-26-209-26	OM-2201-52 B&W 149922 OM-2201-51	NDE-25	MT	CS	6.500 0.000		Reactor Closure Stud. Inspect when removed. Stud Length-63.250"
B06.030.027	3RPV-26-209-27	OM-2201-52 B&W 149922 OM-2201-51	NDE-942	UT	CS	6.500 0.000	TBD	Reactor Closure Stud. Inspect when removed. Stud Length-63.250"
B06.030.027A	3RPV-26-209-27	OM-2201-52 B&W 149922 OM-2201-51	NDE-25	MT	CS	6.500 0.000		Reactor Closure Stud. Inspect when removed. Stud Length-63.250"
B06.030.028	3RPV-26-209-28	OM-2201-52 B&W 149922 OM-2201-51	NDE-942	UT	CS	6.500 0.000	TBD	Reactor Closure Stud. Inspect when removed. Stud Length-63.250"
B06.030.028A	3RPV-26-209-28	OM-2201-52 B&W 149922 OM-2201-51	NDE-25	MT	CS	6.500 0.000		Reactor Closure Stud. Inspect when removed. Stud Length-63.250"
B06.030.029	3RPV-26-209-29	OM-2201-52 B&W 149922 OM-2201-51	NDE-942	UT	CS	6.500 0.000	TBD	Reactor Closure Stud. Inspect when removed. Stud Length-63.250"
B06.030.029A	3RPV-26-209-29	OM-2201-52 B&W 149922 OM-2201-51	NDE-25	MT	CS	6.500 0.000		Reactor Closure Stud. Inspect when removed. Stud Length-63.250"
B06.030.030	3RPV-26-209-30	OM-2201-52 B&W 149922 OM-2201-51	NDE-942	UT	CS	6.500 0.000	TBD	Reactor Closure Stud. Inspect when removed. Stud Length-63.250"
B06.030.030A	3RPV-26-209-30	OM-2201-52 B&W 149922 OM-2201-51	NDE-25	MT	CS	6.500 0.000		Reactor Closure Stud. Inspect when removed. Stud Length-63.250"

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

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ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
B06.030.031	3RPV-26-209-31	OM-2201-52 B&W 149922 OM-2201-51	NDE-942	UT	CS	6.500 0.000	TBD	Reactor Closure Stud. Inspect when removed. Stud Length-63.250"
B06.030.031A	3RPV-26-209-31	OM-2201-52 B&W 149922 OM-2201-51	NDE-25	MT	CS	6.500 0.000		Reactor Closure Stud. Inspect when removed. Stud Length-63.250"
B06.030.032	3RPV-26-209-32	OM-2201-52 B&W 149922 OM-2201-51	NDE-942	UT	CS	6.500 0.000	TBD	Reactor Closure Stud. Inspect when removed. Stud Length-63.250"
B06.030.032A	3RPV-26-209-32	OM-2201-52 B&W 149922 OM-2201-51	NDE-25	MT	CS	6.500 0.000		Reactor Closure Stud. Inspect when removed. Stud Length-63.250"
B06.030.033	3RPV-26-209-33	OM-2201-52 B&W 149922 OM-2201-51	NDE-942	UT	CS	6.500 0.000	TBD	Reactor Closure Stud. Inspect when removed. Stud Length-63.250"
B06.030.033A	3RPV-26-209-33	OM-2201-52 B&W 149922 OM-2201-51	NDE-25	MT	CS	6.500 0.000		Reactor Closure Stud. Inspect when removed. Stud Length-63.250"
B06.030.034	3RPV-26-209-67	OM-2201-52 B&W 149922 OM-2201-51	NDE-942	UT	CS	6.500 0.000	TBD	Reactor Closure Stud. Inspect when removed. Stud Length-63.250"
B06.030.034A	3RPV-26-209-67	OM-2201-52 B&W 149922 OM-2201-51	NDE-25	MT	CS	6.500 0.000		Reactor Closure Stud. Inspect when removed. Stud Length-63.250"
B06.030.035	3RPV-26-209-35	OM-2201-52 B&W 149922 OM-2201-51	NDE-942	UT	CS	6.500 0.000	TBD	Reactor Closure Stud. Inspect when removed. Stud Length-63.250"
B06.030.035A	3RPV-26-209-35	OM-2201-52 B&W 149922 OM-2201-51	NDE-25	MT	CS	6.500 0.000		Reactor Closure Stud. Inspect when removed. Stud Length-63.250"

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

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Reactor Vessel

ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
B06.030.051	3RPV-26-209-51	OM-2201-52 B&W 149922 OM-2201-51	NDE-942	UT	CS	6.500 0.000	TBD	Reactor Closure Stud. Inspect when removed. Stud Length-63.250"
B06.030.051A	3RPV-26-209-51	OM-2201-52 B&W 149922 OM-2201-51	NDE-25	MT	CS	6.500 0.000		Reactor Closure Stud. Inspect when removed. Stud Length-63.250"
B06.030.052	3RPV-26-209-52	OM-2201-52 B&W 149922 OM-2201-51	NDE-942	UT	CS	6.500 0.000	TBD	Reactor Closure Stud. Inspect when removed. Stud Length-63.250"
B06.030.052A	3RPV-26-209-52	OM-2201-52 B&W 149922 OM-2201-51	NDE-25	MT	CS	6.500 0.000		Reactor Closure Stud. Inspect when removed. Stud Length-63.250"
B06.030.053	3RPV-26-209-53	OM-2201-52 B&W 149922 OM-2201-51	NDE-942	UT	CS	6.500 0.000	TBD	Reactor Closure Stud. Inspect when removed. Stud Length-63.250"
B06.030.053A	3RPV-26-209-53	OM-2201-52 B&W 149922 OM-2201-51	NDE-25	MT	CS	6.500 0.000		Reactor Closure Stud. Inspect when removed. Stud Length-63.250"
B06.030.054	3RPV-26-209-54	OM-2201-52 B&W 149922 OM-2201-51	NDE-942	UT	CS	6.500 0.000	TBD	Reactor Closure Stud. Inspect when removed. Stud Length-63.250"
B06.030.054A	3RPV-26-209-54	OM-2201-52 B&W 149922 OM-2201-51	NDE-25	MT	CS	6.500 0.000		Reactor Closure Stud. Inspect when removed. Stud Length-63.250"
B06.030.055	3RPV-26-209-55	OM-2201-52 B&W 149922 OM-2201-51	NDE-942	UT	CS	6.500 0.000	TBD	Reactor Closure Stud. Inspect when removed. Stud Length-63.250"
B06.030.055A	3RPV-26-209-55	OM-2201-52 B&W 149922 OM-2201-51	NDE-25	MT	CS	6.500 0.000		Reactor Closure Stud. Inspect when removed. Stud Length-63.250"

**CATEGORY B-G-1, Pressure Retaining  
Bolting, Greater than 2" I.D. Diameter**

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Reactor Vessel

ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
B06.030.056	3RPV-26-209-56	OM-2201-52 B&W 149922 OM-2201-51	NDE-942	UT	CS	6.500 0.000	TBD	Reactor Closure Stud. Inspect when removed. Stud Length-63.250"
B06.030.056A	3RPV-26-209-56	OM-2201-52 B&W 149922 OM-2201-51	NDE-25	MT	CS	6.500 0.000		Reactor Closure Stud. Inspect when removed. Stud Length-63.250"
B06.030.057	3RPV-26-209-57	OM-2201-52 B&W 149922 OM-2201-51	NDE-942	UT	CS	6.500 0.000	TBD	Reactor Closure Stud. Inspect when removed. Stud Length-63.250"
B06.030.057A	3RPV-26-209-57	OM-2201-52 B&W 149922 OM-2201-51	NDE-25	MT	CS	6.500 0.000		Reactor Closure Stud. Inspect when removed. Stud Length-63.250"
B06.030.058	3RPV-26-209-58	OM-2201-52 B&W 149922 OM-2201-51	NDE-942	UT	CS	6.500 0.000	TBD	Reactor Closure Stud. Inspect when removed. Stud Length-63.250"
B06.030.058A	3RPV-26-209-58	OM-2201-52 B&W 149922 OM-2201-51	NDE-25	MT	CS	6.500 0.000		Reactor Closure Stud. Inspect when removed. Stud Length-63.250"
B06.030.059	3RPV-26-209-59	OM-2201-52 B&W 149922 OM-2201-51	NDE-942	UT	CS	6.500 0.000	TBD	Reactor Closure Stud. Inspect when removed. Stud Length-63.250"
B06.030.059A	3RPV-26-209-59	OM-2201-52 B&W 149922 OM-2201-51	NDE-25	MT	CS	6.500 0.000		Reactor Closure Stud. Inspect when removed. Stud Length-63.250"
B06.030.060	3RPV-26-209-60	OM-2201-52 B&W 149922 OM-2201-51	NDE-942	UT	CS	6.500 0.000	TBD	Reactor Closure Stud. Inspect when removed. Stud Length-63.250"
B06.030.060A	3RPV-26-209-60	OM-2201-52 B&W 149922 OM-2201-51	NDE-25	MT	CS	6.500 0.000		Reactor Closure Stud. Inspect when removed. Stud Length-63.250"

Total B06.030 Items: 60

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

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Reactor Vessel

ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
**** Threads In Flange ****								
B06.040.001A	3RPV LIGAMENTS	OM-2201-96 B&W 149904E	NDE-640	UT	CS	200.000	40387 12.500	Threads In Reactor Vessel Flange 180 to 0 Deg.

Total B06.040 Items: 1

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

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**Inservice Inspection Plan for Interval 3 Outage 6**

Reactor Vessel

ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	GAL BLOCKS	COMMENTS
---- Closure Washers, Bushings ----								
B06.050.001	3RPV-WASH-BUSH	OM-2201-52 B&W 149922E	QAL-13	VT-1	CS	0.000 0.000		Reactor Vessel Closure Washers & Bushings Stud Holes 1-9,25-35,51-60

Total B06.050 Items: 1

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

**Pressurizer**

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ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
**** Bolts and Studs ****								
B06.060.001	3PZR-STUDS	25 483F F&W 149780E	NDE-942	UT	CS	2.750 TBD 0.000		12 PZR Manway Studs Stud Length=14.875"

Total B06.060 Items: 1

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

**Pressurizer**

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**Inservice Inspection Plan for Interval 3 Outage 6**

ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
---- Flange Surface, when connection disassembled ----								
B06.070.001	3PZR-MW-FLANGE	25483F B&W 149793E	QAL-13	VT-1	CS	0.000 0.000		PZR Manway Flange Surface;Includes 1"Annular Surface surrounding each stud.Inspect when connection is disassembled.

Total B06.070 Items: 1



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

**Pressurizer**

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ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DI/THK	CAL BLOCKS	COMMENTS
**** Nuts, Bushings, and Washers ****								
B06.080.001	3PZR-MW-NUTS	25483F B&W 149793E	QAL-13	VT-1	CS	2.750 0.000		PZR Manway Nuts including Bushings and Washers
Total B06.080 Items:		1						

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

**Pumps**

**DUKE POWER COMPANY  
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ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
**** Flange Surface, when connection disassembled ****								
B06.190.001	3RCP-3A1-FLANGE	OM-1201D-0005 OM-1201D-0057	QAL-13	VT-1	SS	0.000 0.000		RCP 3A1 Main Flange 1" Annular Surface of Flange Surrounding each Stud.(insp. only if disass.)
B06.190.002	3RCP-3A2-FLANGE	OM-1201D-0005 OM-1201D-0057	QAL-13	VT-1	SS	0.000 0.000		RCP 3A2 Main Flange 1" Annular Surface of Flange Surrounding each Stud.(insp. only if disass.)
B06.190.003	3RCP-3B1-FLANGE	OM-1201D-0005 OM-1201D-0057	QAL-13	VT-1	SS	0.000 0.000		RCP 3B1 Main Flange 1" Annular Surface of Flange Surrounding each Stud.(insp. only if disass.)
B06.190.004	3RCP-3B2-FLANGE	OM-1201D-0005 OM-1201D-0057	QAL-13	VT-1	SS	0.000 0.000		RCP 3B2 Main Flange 1" Annular Surface of Flange Surrounding each Stud.(insp. only if disass.)
<b>Total B06.190 Items:</b>		<b>4</b>						
<b>Total Category B-G-1 Items:</b>		<b>99</b>						

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

**Steam Generators**

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ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
**** Bolts, Studs, and Nuts ****								
B07.030.002	3SGA-LMW-BOLTS	B&W 145470E	QAL-13	VT-1	CS	2.000 0.000		Steam Generator 3A Lower Head Manway Studs and Nuts; 16 studs & nuts; length = 11.5 inches
B07.030.003	3SGB-UMW-BOLTS	B&W 145470E	QAL-13	VT-1	CS	2.000 0.000		Steam Generator 3B Upper Head Manway Studs and Nuts; 16 studs & nuts; length = 11.5 inches
B07.030.007	3SGB-UHIC-BOLTS	B&W 145470E	QAL-13	VT-1	CS	1.000 0.000		Steam Generator 3B Upper Head Inspection Cover Bolting
B07.030.008	3SGB-LHIC-BOLTS	B&W 145470E	QAL-13	VT-1	CS	1.000 0.000		Steam Generator 3B Lower Head Inspection Cover Bolting
<b>Total B07.030 Items:</b>		<b>4</b>						

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

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Valves

ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
<b>**** Bolts, Studs, and Nuts ****</b>								
B07.070.003	3-53A-CF13	OM-245-001	QAL-13	VT-1	NA	0.000 0.000		Core Flood B; Valve 3CF-13 Bolting;
B07.070.004	3-53A-CF14	OM-245-001	QAL-13	VT-1	NA	0.000 0.000		Core Flood B; Valve 3CF-14 Bolting;
B07.070.007	3-53A-LP1	OM-201-165	QAL-13	VT-1	NA	0.000 0.000		Low Pressure Injection Valve 3LP-1 Bolting
B07.070.008	3-53A-LP2	OM-201-165	QAL-13	VT-1	NA	0.000 0.000		Low Pressure Injection Valve 3LP-2 Bolting
B07.070.019	3-51A-HP188	OM-246-017	QAL-13	VT-1	NA	0.000 0.000		High Pressure Injection Valve 3-HP188 Bolting
B07.070.020	3-51A-HP194	OM-246-017	QAL-13	VT-1	NA	0.000 0.000		High Pressure Injection Valve 3-HP194 Bolting
<hr/>								
<b>Total B07.070 Items:</b>		<b>6</b>						

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

DUKE POWER COMPANY  
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**Inservice Inspection Plan for Interval 3 Outage 6**

**CRD Housings**

ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
<b>**** Bolts, Studs, and Nuts ****</b>								
B07.080.001	3-RPV-CRD-BOLTS	B&W 149902E B&W 149919E	QAL-13	VT-1	NA	0.000 0.000		Inspect Only If Disassembled; See Request for Relief ONS-004 & ONS-005; 8 bolts per CRD Housing; (14 Connections inspected up to this Date)
B07.080.002	3-RPV-CRD-RINGS	B&W 149902E B&W 149919E	QAL-13	VT-1	NA	0.000 0.000		Inspect Only If Disassembled; See Request for Relief ONS-004 & ONS-005; 1 Pair per CRD Housing; (14 Connections inspected up to this date)

Total B07.080 Items: 2

Total Category B-G-2 Items: 12

**CATEGORY B-J, Pressure Retaining Welds  
In Piping**

**NPS 4 or Larger**

**DUKE POWER COMPANY  
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ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
**** Circumferential Welds ****								
B09.011.014	3-PIB2-1	ISI-OCN3-010 OFD-100A-3.1	NDE-600	UT	CS	33.500	40350	
	Circumferential Term end					2.330		Nozzle (S/G 3B Nozzle) to Pipe
B09.011.014A	3-PIB2-1	ISI-OCN3-010 OFD-100A-3.1	NDE-25	MT	CS	33.500		
	Circumferential Term end					2.330		Nozzle (S/G 3B Nozzle) to Pipe
B09.011.023	3-PDB2-1	ISI-OCN3-014 OFD-100A-3.1	NDE-600	UT	SS	33.500	40397	
	Circumferential Term end					2.330		Nozzle (3B2 Pump Nozzle) to Safe End
B09.011.023A	3-PDB2-1	ISI-OCN3-014 OFD-100A-3.1	NDE-35	PT	SS	33.500		
	Circumferential Term end					2.330		Nozzle (3B2 Pump Nozzle) to Safe End
B09.011.027	3-PSL-3	ISI-OCN3-015 OFD-100A-3.2	NDE-600	UT	SS	10.000	40399	
	Circumferential Stress weld					1.000		Pipe to Elbow
B09.011.027A	3-PSL-3	ISI-OCN3-015 OFD-100A-3.2	NDE-35	PT	SS	10.000		
	Circumferential Stress weld					1.000		Pipe to Elbow
B09.011.030	3-PSL-6	ISI-OCN3-015 OFD-100A-3.2	NDE-600	UT	SS	10.000	40399	
	Circumferential Stress weld					1.000		Pipe to Elbow
B09.011.030A	3-PSL-6	ISI-OCN3-015 OFD-100A-3.2	NDE-35	PT	SS	10.000		
	Circumferential Stress weld					1.000		Pipe to Elbow
B09.011.036	3-51A-63-9	3-51A-63 OFD-101A-3.4	NDE-600	UT	SS	4.000	40406	
	Circumferential					0.531		Pipe to Tee
B09.011.036A	3-51A-63-9	3-51A-63 OFD-101A-3.4	NDE-35	PT	SS	4.000		
	Circumferential					0.531		Pipe to Tee

**CATEGORY B-J, Pressure Retaining Welds  
In Piping**

**NPS 4 or Larger**

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**Inservice Inspection Plan for Interval 3 Outage 6**

ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS	
B09.011.050	3-53A-17-8 Circumferential	3-53A-17 OFD-102A-3.2 OFD-102A-3.3	NDE-600	UT	SS	10.000	40399 1.000	Elbow to Pipe	
B09.011.050A	3-53A-17-8 Circumferential	3-53A-17 OFD-102A-3.2 OFD-102A-3.3	NDE-35	PT	SS	10.000	1.000	Elbow to Pipe	
B09.011.051	3-53A-18-2 Circumferential	3-53A-18 OFD-102A-3.1	NDE-600	UT	SS	12.000	40413 1.125	Pipe to Valve (Valve 3LP-1)	
B09.011.051A	3-53A-18-2 Circumferential	3-53A-18 OFD-102A-3.1	NDE-35	PT	SS	12.000	1.125	Pipe to Valve (Valve 3LP-1)	
<b>Total B09.011 Items:</b>		<b>14</b>							
<b>**** Longitudinal Welds ****</b>									
B09.012.013	3-PDB1-53LI Longitudinal	ISI-OCN3-013 OFD-100A-3.1	NDE-600	UT	CS	34.750	40350 2.330	Inspect with item number B05.130.0010  PC 53R to PC 53L	
B09.012.013A	3-PDB1-53LI Longitudinal	ISI-OCN3-013 OFD-100A-3.1	NDE-25	MT	CS	34.750	2.330	Inspect with item number B05.130.010A  PC 53R to PC 53L	
B09.012.014	3-PDB1-53LO Longitudinal	ISI-OCN3-013 OFD-100A-3.1	NDE-600	UT	CS	34.750	40350 2.330	Inspect with item number B05.130.010  PC 53R to PC 53L	
B09.012.014A	3-PDB1-53LO Longitudinal	ISI-OCN3-013 OFD-100A-3.1	NDE-25	MT	CS	34.750	2.330	Inspect with item number B05.130.010A  PC 53R to PC 53L	
B09.012.015	3-PDB2-53LI Longitudinal	ISI-OCN3-014 OFD-100A-3.1	NDE-600	UT	CS	34.750	40350 2.330	Inspect with item number B05.130.011  PC 53R to PC 53L	

**CATEGORY B-J. Pressure Retaining Welds  
In Piping**

**NPS 4 or Larger**

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**Inservice Inspection Plan for Interval 3 Outage 6**

ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
B09.012.015A Longitudinal	3-PDB2-53LI	ISI-OCN3-014 OFD-100A-3.1	NDE-25	MT PC 53R to PC 53L	CS	34.750 2.330		Inspect with item number B05.130.011A
B09.012.016 Longitudinal	3-PDB2-53LO	ISI-OCN3-014 OFD-100A-3.1	NDE-600	UT PC 53R to PC 53L	CS	34.750 40350 2.330		Inspect with item number B05.130.011
B09.012.016A Longitudinal	3-PDB2-53LO	ISI-OCN3-014 OFD-100A-3.1	NDE-25	MT PC 53R to PC 53L	CS	34.750 2.330		Inspect with item number B05.130.011A

**Total B09.012 Items: 8**



**CATEGORY B-J, Pressure Retaining Welds  
In Piping**

**Less Than NPS 4**

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ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
**** Circumferential Welds ****								
B09.021.002	3-50-20-11 Circumferential	3-50-20 OFD-100A-3.1	NDE-35	PT	SS	1.500	0.281	Pipe to Elbow
B09.021.013	3-PSP-25 Circumferential Stress weld	ISI-OCN3-016 OFD-100A-3.2	NDE-35	PT	SS	1.500	0.281	Tee to Reducer
B09.021.015	3-PSP-5 Circumferential Stress weld	ISI-OCN3-016 OFD-100A-3.2	NDE-35	PT	SS	2.500	0.375	Pipe to Elbow
B09.021.017	3-PSP-7 Circumferential Stress weld	ISI-OCN3-016 OFD-100A-3.2	NDE-35	PT	SS	2.500	0.375	Tee to Pipe
B09.021.026	3-51A-61-16A Circumferential	3-51A-61 OFD-101A-3.4	NDE-35	PT	SS	2.500	0.375	Pipe to Pipe
B09.021.027	3-51A-61-23 Circumferential	3-51A-61 OFD-101A-3.4	NDE-35	PT	SS	2.500	0.375	Pipe to Elbow
B09.021.045	3-51A-63-36 Circumferential	3-51A-63 OFD-101A-3.4	NDE-35	PT	SS	2.500	0.375	Valve (Valve 3HP-127) to Pipe
B09.021.046	3-51A-63-40 Circumferential Stress weld	3-51A-63 OFD-101A-3.4	NDE-35	PT	SS	2.500	0.375	Pipe to Nozzle (Nozzle on 3A1 Disch Line)
B09.021.053	3-51A-69-35 Circumferential	3-51A-69 OFD-100A-3.1	NDE-35	PT	SS	2.500	0.375	Pipe to Elbow
B09.021.054	3-51A-69-43 Circumferential	3-51A-69 OFD-100A-3.1	NDE-35	PT	SS	2.500	0.375	Elbow to Pipe

**CATEGORY B-J, Pressure Retaining Welds  
In Piping**

**Less Than NPS 4**

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**Inservice Inspection Plan for Interval 3 Outage 6**

ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
B09.021.055	3-51A-69-46 Circumferential	3-51A-69 OFD-100A-3.1	NDE-35	PT	SS	2.500 0.375		Pipe to Tee
B09.021.056	3-51A-69-51 Circumferential	3-51A-69 OFD-100A-3.1	NDE-35	PT	SS	2.500 0.375		Elbow to Valve (3HP-2)

**Total B09.021 Items: 12**

**CATEGORY B-J, Pressure Retaining Welds**

**In Piping**

**Branch Pipe Connection Welds**

DUKE POWER COMPANY  
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ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
<b>**** Less Than NPS 4 ****</b>								
B09.032.003	3-PIB2-10	ISI-OCN3-010 OFD-100A-3.1	NDE-35	PT	CS/Inconel	12.000 2.250		NPS of the Drain Nozzle = 1.5 inch Diameter & .281 Thickness Pipe to Nozzle (Drain Nozzle)
B09.032.006	3-PDB1-10	ISI-OCN3-013 OFD-100A-3.1	NDE-25	MT	CS	12.000 2.250		NPS of the HPI Nozzle = 2.5 inch Diameter & .375 Thickness Pipe to Nozzle (HPI Nozzle)
Total B09.032 Items:	2							

**CATEGORY B-J, Pressure Retaining Welds  
in Piping**

Socket Welds

DUKE POWER COMPANY  
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ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
B09.040.004	3-50-152-3	3-50-152 OFD-100A-3.2	NDE-35	PT	SS	1.500 0.281		Elbow to Pipe
B09.040.005	3-50-152-5	3-50-152 OFD-100A-3.2	NDE-35	PT	SS	1.500 0.281		Full coupling to Pipe

Total B09.040 Items: 2

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Total Category B-J Items: 38



**CATEGORY B-L-2, Pump Casings**

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**Inservice Inspection Plan for Interval 3 Outage 6**

**Pumps**

ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DI/THK	CAL BLOCKS	COMMENTS
<b>**** Pump Casing ****</b>								
B12.020.001	3RCP-3A1-CASING	ISI-OCN3-007 OM-1201D-0057 OM-1201D-0005	QAL-14	VT-3	SS	0.000 0.000		Reactor Coolant Pump 3A1 Casing Internal Surfaces.(Inspect only if disassembled for maintenance purposes, repair,ect.)
B12.020.002	3RCP-3A2-CASING	ISI-OCN3-008 OM-1201D-0057 OM-1201D-0005	QAL-14	VT-3	SS	0.000 0.000		Reactor Coolant Pump 3A2 Casing Internal Surfaces.(Inspect only if disassembled for maintenance purposes, repair,ect.)
B12.020.003	3RCP-3B1-CASING	ISI-OCN3-009 OM-1201D-0057 OM-1201D-0005	QAL-14	VT-3	SS	0.000 0.000		Reactor Coolant Pump 3B1 Casing Internal Surfaces.(Inspect only if disassembled for maintenance purposes, repair,ect.)
B12.020.004	3RCP-3B2-CASING	ISI-OCN3-010 OM-1201D-0057 OM-1201D-0005	QAL-14	VT-3	SS	0.000 0.000		Reactor Coolant Pump 3B2 Casing Internal Surfaces.(Inspect only if disassembled for maintenance purposes, repair,ect.)

**Total B12.020 Items: 4**

**CATEGORY B-M-2. Valve Bodies**

**DUKE POWER COMPANY  
QUALITY ASSURANCE TECHNICAL SERVICES  
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**Inservice Inspection Plan for Interval 3 Outage 6**

Valves

ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIATHK CAL BLOCKS	COMMENTS
<b>**** Valve Body, Exceeding NPS 4 ****</b>							
B12.050.001	3-53A-CF-11	OM-245-001 OFD-102A-3.3	QAL-14	VT-3	NA	14.000 0.000	A-Side Core Flood (W-Axis); Valve Body Internal Surfaces-Valve 3CF-11; (Inspect only if valve is disassembled for maintenance purposes, valve repair, ect.)
B12.050.002	3-53A-CF-12	OM-245-001 OFD-102A-3.3	QAL-14	VT-3	NA	14.000 0.000	A-Side Core Flood (W-Axis); Valve Body Internal Surfaces-Valve 3CF-12; (Inspect only if valve is disassembled for maintenance purposes, valve repair, ect.)
B12.050.003	3-53A-CF-13	OM-245-001 OFD-102A-3.3	QAL-14	VT-3	NA	14.000 0.000	B-Side Core Flood (W-Axis); Valve Body Internal Surfaces-Valve 3CF-13; (Inspect only if valve is disassembled for maintenance purposes, valve repair, ect.)
B12.050.004	3-53A-CF-14	OM-245-001 OFD-102A-3.3	QAL-14	VT-3	NA	14.000 0.000	B-Side Core Flood (W-Axis); Valve Body Internal Surfaces-Valve 3CF-14; (Inspect only if valve is disassembled for maintenance purposes, valve repair, ect.)
B12.050.005	3-53A-LP-47	OM-245-001 OFD-102A-3.2	QAL-14	VT-3	NA	14.000 0.000	B-Side LPI Valve Body Surfaces-Valve 3LP-47; (Inspect only if valve is disassembled for maintenance purposes, valve repair, ect.)
B12.050.006	3-53A-LP-48	OM-245-001 OFD-102A-3.2	QAL-14	VT-3	NA	10.000 0.000	B-Side LPI Valve Body Surfaces-Valve 3LP-48; (Inspect only if valve is disassembled for maintenance purposes, valve repair, ect.)
B12.050.007	3-53A-LP-1	OM-201-165 OFD-102A-3.1	QAL-14	VT-3	NA	12.000 0.000	B-Side LPI Valve Body Surfaces-Valve 3LP-1; (Inspect only if valve is disassembled for maintenance purposes, valve repair, ect.)
B12.050.008	3-53A-LP-2	OM-201-165 OFD-102A-3.1	QAL-14	VT-3	NA	12.000 0.000	B-Side LPI Valve Body Surfaces-Valve 3LP-2; (Inspect only if valve is disassembled for maintenance purposes, valve repair, ect.)

Total B12.050 Items: 8

Total Category B-M-2 Items: 16

**CATEGORY B-O, Pressure Retaining Welds  
in Control Rod Housings**

Reactor Vessel

DUKE POWER COMPANY  
QUALITY ASSURANCE TECHNICAL SERVICES  
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ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
**** Welds in CRD Housing ****								
B14.010.005	3RPV-CRD-62WH9	B&W 149920E	NDE-35	PT	SS/Inconel	4.060 0.650		Peripheral CRDM-HOUSING Body to Adapter
B14.010.006	3RPV-CRD-62WH60	B&W 43-53-032-12	NDE-35	PT	SS/CS	5.000 0.500		CRDM Base to Motor Tube
B14.010.007	3RPV-CRD-62	B&W 43-53-033-09	NDE-35	PT	SS/CS	4.300 0.400		CRDM Motor Tube to Extension
B14.010.008	3RPV-CRD-62W61	B&W 43-53-032-12	NDE-35	PT	SS	4.130 0.580		Peripheral CRDM Extension to Cap
<hr/>								
Total B14.010 Items:		4						
Total Category B-O Items:		4						



**CATEGORY C-A, Pressure Retaining Welds  
In Pressure Vessels**

DUKE POWER COMPANY  
QUALITY ASSURANCE TECHNICAL SERVICE  
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**Inservice Inspection Plan for Interval 3 Outage 6**

**Shell Circumferential Welds**

ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
C01.010.001	3-SGA-WG8-1 Circumferential	ISI-OCN3-003 OM-2201-222	NDE-620 NDE-640	UT	CS	138.000 4.188	40339	S/G A Shell to Shell PC.1 to PC.2 Ref. PIR 3-092-0371
C01.010.002	3-SGA-WG8-2 Circumferential	ISI-OCN3-003 OM-2201-222	NDE-620 NDE-640	UT	CS	138.000 4.188	40339	S/G A Shell to Shell PC.2 to PC.3 Ref. PIR 3-092-0371
C01.010.005	3-BWST-STS-1 Circumferential	OM-2201-832 OFD 102A-3.1	NDE-630	UT	SS	0.000 0.352	TBD	Borated Water Storage Tank at Structural Discontinuity
C01.010.006	3-BWST-STS-2 Circumferential	OM-2201-832 OFD 102A-3.1	NDE-630	UT	SS	0.000 0.405	TBD	Borated Water Storage Tank at Structural Discontinuity
C01.010.007	3-BWST-STS-3 Circumferential	OM-2201-832 OFD 102A-3.1	NDE-630	UT	SS	0.000 0.459	TBD	Borated Water Storage Tank at Structural Discontinuity
C01.010.008	3-BWST-STS-4 Circumferential	OM-2201-832 OFD 102A-3.1	NDE-630	UT	SS	0.000 0.520	TBD	Borated Water Storage Tank at Structural Discontinuity

**Total C01.010 Items: 6**

**CATEGORY C-A, Pressure Retaining Welds  
In Pressure Vessels**

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**Head Circumferential Welds**

ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
C01.020.004	3-BWST-HTS-1 Circumferential	OM 2201-832 OFD 102A-3.1	NDE-630	UT	SS	0.000 0.311	TBD	Borated Water Storage Tank

Total C01.020 Items: 1

Total Category C-A Items: 7

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

**Nozzles In Vessels ≤ 1/2 In. Nominal Thickness**

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ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
<b>**** Nozzle-to-Shell (or Head) Weld ****</b>								
C02.011.004	3-BWST-RN-1 Circumferential	OM-2201-0832 OFD-102A-3.1	NDE-35	PT	SS	8.000 0.500		Borated Water Storage Tank Roof Nozzle to Shell Roof Nozzle to Shell

Total C02.011 Items: 1

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

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

ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DI/THK	CAL BLOCKS	COMMENTS
<b>**** Reinforcing Plate Welds to Nozzle and Vessel ****</b>								
C02.031.001	3-BWST-OUT-1Z	OM-2201-839	NDE-35	PT	SS	14.000		Borated Water Storage Tank (Outlet Nozzle to
	Circumferential	OFD-102A-3.1				0.520		Re-inforcing Plate weld)
				Outlet Nozzle to Shell				
<hr/>								
Total C02.031 Items:		1						
<b>**** Nozzle-to-Shell (or Head) Welds When Inside of Vessel Is Inaccessible ****</b>								
C02.033.001	3-BWST-OUT-1	OM-2201-839	QAL-15	VT-2	SS	14.000		Borated Water Storage Tank (Outlet Nozzle to Shell
	Circumferential	OFD-102A-3.1				0.520		Weld); Inside of Vessel is Inaccessible
				Outlet Nozzle to Shell				
<hr/>								
Total C02.033 Items:		1						
Total Category C-B Items:		3						

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

Pressure Vessels

DUKE POWER COMPANY  
QUALITY ASSURANCE TECHNICAL SERVICES  
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ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
**** Integrally Welded Attachments ****								
C03.010.005	3SGB-WG84-XY	B&W-149824E OM 2201-1451	NDE-25	MT	CS	0.000 1.000		SGB FDW. HDR. ATTACH.X-Y QUAD. NEAREST TO X-AXIS
C03.010.006	3SGB-WG84-YX	B&W-149824F OM 2201-1451	NDE-25	MT	CS	0.000 1.000		SGB FDW. HDR. ATTACH.Y-X QUAD. NEAREST TO Y-AXIS
Total C03.010 Items:		2						

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

DUKE POWER COMPANY  
QUALITY ASSURANCE TECHNICAL SERVICES  
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**Inservice Inspection Plan for Interval 3 Outage 6**

Piping

ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
<b>**** Integrally Welded Attachments ****</b>								
C03.020.007	3-01A-H5B Rigid restraint	0-2481A OFD-122A-3.1 0-2490A-2(S)	NDE-25	MT	CS	26.000 0.750		File no. OSC-1334 Prob. No. 3-01-07 Main Steam System
C03.020.018	3-14B-H20D Rigid restraint	0-2479A OFD-124B-3.2	NDE-25	MT	CS	8.000 1.500		File No. OSC-1344-06 Page No. 6(1) 38 Problem No. 3-14B-09; System 14B
C03.020.019	3-14B-H22A Rigid restraint	0-2480A OFD-124B-3.2	NDE-25	MT	CS	8.000 1.500		File No. OSC-1344-06 Page No. 6(2) 38 Problem No. 3-14B-08; System 14B
C03.020.020	3-14B-H22D Rigid restraint	0-2480A OFD-124B-3.2	NDE-25	MT	CS	8.000 1.500		File No. OSC-1344-06 Page No. 6(1) 38 Problem No. 3-14B-09; System 14B
C03.020.021	3-14B-H5C Rigid restraint	0-2479A OFD-124B-3.2	NDE-25	MT	CS	8.000 1.500		File No. OSC-1344-06 Page No. 6(5) 39.1 Problem No. 3-14B-12; System 14B
C03.020.022	3-14B-H5F Rigid restraint	0-2479A OFD-124B-3.2	NDE-25	MT	CS	8.000 1.500		File No. OSC-1344-06 Page No. 6(6) 41 Problem No. 3-14B-13; System 14B
C03.020.028	3-53B-R2 Rigid restraint	5-0-2436D OFD-102A-3.2	NDE-35	PT	SS	10.000 1.000		File No. OS-552 Page 43.3 Problem No. 3-53-06; System 53B
C03.020.031	3-54A-H25 Rigid restraint	3-0-2439A OFD-103A-3.1	NDE-35	PT	SS	8.000 1.000		File No. OSC-556 Page No. 64.1 Problem No. 3-54-03
C03.020.032	3-54A-H35 Spring hanger	3-0-2435B OFD-103A-3.1	NDE-35	PT	SS	8.000 1.000		File No. OSC-554 Page No. 47.1 Problem No. 3-54-01; Reactor Bld Spray
C03.020.033	3-54A-H39 Spring hanger	3-0-2437B OFD-103A-3.1	NDE-35	PT	SS	8.000 1.000		File No. OSC-554 Page No. 47.1 Problem No. 3-54-01; Reactor Bld Spray

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

DUKE POWER COMPANY  
QUALITY ASSURANCE TECHNICAL SERVICES  
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**Inservice Inspection Plan for Interval 3 Outage 6**

ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
C03.020.043	3SGB-WG87-XY	B&W-149824E	NDE-25	MT	CS	0.000 1.000		SGB FDW. HDR. ATTACH. X-Y QUAD. NEAREST TO X-AXIS
C03.020.044	3SGB-WG87-YX	B&W-149824E	NDE-25	MT	CS	0.000 1.000		SGB FDW. HDR. ATTACH. Y-X QUAD. NEAREST TO Y-AXIS
Total C03.020 Items:		12						
Total Category C-C Items:		14						

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

**Piping Welds  $\geq$  3/8 In. Nominal Wall Thickness for  
Piping  $>$  NPS 4**

DUKE POWER COMPANY  
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ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
<b>.... Circumferential Weld ....</b>								
C05.011.001	3-53A-15-64 Circumferential	3-53A-15 (2) OFD-102A-3.2 OFD-102A-3.3	NDE-600	UT	SS	10.000	40354 1.125	Valve (Valve 3LP-47) to Pipe
C05.011.001A	3-53A-15-64 Circumferential	3-53A-15 (2) OFD-102A-3.2 OFD-102A-3.3	NDE-35	PT	SS	10.000	1.125	Valve (Valve 3LP-47) to Pipe
C05.011.005	3-53A-17-17 Circumferential	3-53A-17 OFD-102A-3.2	NDE-600	UT	SS	10.000	40354 1.125	Valve (Valve 3LP-48) to Pipe
C05.011.005A	3-53A-17-17 Circumferential	3-53A-17 OFD-102A-3.2	NDE-35	PT	SS	10.000	1.125	Valve (Valve 3LP-48) to Pipe
<b>Total C05.011 Items:</b>		<b>4</b>						



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

**Piping Welds > 1/5 In. Nom Wall For Piping ≥  
NPS 2 And ≤ NPS 4**

DUKE POWER COMPANY  
QUALITY ASSURANCE TECHNICAL SERVICES  
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ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
<b>---- Circumferential Weld ----</b>								
C05.021.003	3-51A-101-8	3-51A-101 OFD-101A-3.2	NDE-600	UT	SS	2.500	40378	Elbow to Pipe
	Circumferential					0.375		
C05.021.003A	3-51A-101-8	3-51A-101 OFD-101A-3.2	NDE-35	PT	SS	2.500	40378	Elbow to Pipe
	Circumferential					0.375		
C05.021.004	3-51A-101-9	3-51A-101 OFD-101A-3.2	NDE-600	UT	SS	2.500	40378	Elbow to Elbow
	Circumferential					0.375		
C05.021.004A	3-51A-101-9	3-51A-101 OFD-101A-3.2	NDE-35	PT	SS	2.500	40378	Elbow to Elbow
	Circumferential					0.375		
C05.021.005	3-51A-118-1	3-51A-118 OFD-101A-3.4	NDE-600	UT	SS	4.000	40406	Pipe to Elbow
	Circumferential					0.531		
C05.021.005A	3-51A-118-1	3-51A-118 OFD-101A-3.4	NDE-35	PT	SS	4.000	40406	Pipe to Elbow
	Circumferential					0.531		
C05.021.008	3-51A-118-21	3-51A-118 OFD-101A-3.4	NDE-600	UT	SS	4.000	40406	Pipe to Elbow
	Circumferential					0.531		
C05.021.008A	3-51A-118-21	3-51A-118 OFD-101A-3.4	NDE-35	PT	SS	4.000	40406	Pipe to Elbow
	Circumferential					0.531		
C05.021.016	3-51A-120-10	3-51A-120 OFD-101A-3.4	NDE-600	UT	SS	4.000	40406	Flange to Pipe
	Circumferential					0.531		
C05.021.016A	3-51A-120-10	3-51A-120 OFD-101A-3.4	NDE-35	PT	SS	4.000	40406	Flange to Pipe
	Circumferential					0.531		

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

DUKE POWER COMPANY  
QUALITY ASSURANCE TECHNICAL SERVICES  
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**Piping Welds > 1/5 In. Nom Wall For Piping ≥  
NPS 2 And ≤ NPS 4**

Inservice Inspection Plan for Interval 3 Outage 6

ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
C05.021.021	3-51A-121-10 Circumferential	3-51A-121 OFD-101A-3.4	NDE-600	UT	SS	4.000	40406	0.531 Elbow to Valve (Valve 3HP-409)
C05.021.021A	3-51A-121-10 Circumferential	3-51A-121 OFD-101A-3.4	NDE-35	PT	SS	4.000		0.531 Elbow to Valve (Valve 3HP-409)
C05.021.025	3-51A-140-19 Circumferential	3-51A-140 OFD-101A-3.1	NDE-600	UT	SS	2.500	40378	0.375 Elbow to Pipe
C05.021.025A	3-51A-140-19 Circumferential	3-51A-140 OFD-101A-3.1	NDE-35	PT	SS	2.500		0.375 Elbow to Pipe
C05.021.035	3-51A-52-32A Circumferential	3-51A-52 OFD-101A-3.3	NDE-600	UT	SS	4.000	40406	0.531 Tee to Tee
C05.021.035A	3-51A-52-32A Circumferential	3-51A-52 OFD-101A-3.3	NDE-35	PT	SS	4.000		0.531 Tee to Tee
C05.021.044	3-51A-59-12D Circumferential	3-51A-59 OFD-101A-3.4	NDE-600	UT	SS	4.000	40406	0.674 Pipe to Valve (Valve 3HP-410)
C05.021.044A	3-51A-59-12D Circumferential	3-51A-59 OFD-101A-3.4	NDE-35	PT	SS	4.000		0.674 Pipe to Valve (Valve 3HP-410)
C05.021.046	3-51A-59-40 Circumferential	3-51A-59 OFD-101A-3.4	NDE-600	UT	SS	2.500	TBD	0.552 Tee to Pipe
C05.021.046A	3-51A-59-40 Circumferential	3-51A-59 OFD-101A-3.4	NDE-35	PT	SS	2.500		0.552 Tee to Pipe

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

**Piping Welds > 1/5 In. Nom Wall For Piping ≥  
NPS 2 And ≤ NPS 4**

DUKE POWER COMPANY  
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ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
C05.021.056	3-51A-75-34 Circumferential	3-51A-75 OFD-101A-3.4	NDE-600	UT	SS	4.000 0.531	40406	Tee to Valve (Valve 3HP-140)
C05.021.056A	3-51A-75-34 Circumferential	3-51A-75 OFD-101A-3.4	NDE-35	PT	SS	4.000 0.531		Tee to Valve (Valve 3HP-140)
C05.021.057	3-51A-77-12A Circumferential	3-51A-77 OFD-101A-3.1	NDE-600	UT	SS	4.000 0.674	40406	Elbow to Valve (3HP-21)
C05.021.057A	3-51A-77-12A Circumferential	3-51A-77 OFD-101A-3.1	NDE-35	PT	SS	4.000 0.674		Elbow to Valve (3HP-21)
C05.021.066	3-51A-87-8 Circumferential	3-51A-87 OFD-101A-3.4	NDE-600	UT	SS	4.000 0.531	40406	Tee to Valve (Valve 3HP-029)
C05.021.066A	3-51A-87-8 Circumferential	3-51A-87 OFD-101A-3.4	NDE-35	PT	SS	4.000 0.531		Tee to Valve (Valve 3HP-029)
C05.021.067	3-51A-87-9 Circumferential	3-51A-87 OFD-101A-3.4	NDE-600	UT	SS	4.000 0.531	40406	Valve (Valve 3HP-029) to Pipe
C05.021.067A	3-51A-87-9 Circumferential	3-51A-87 OFD-101A-3.4	NDE-35	PT	SS	4.000 0.531		Valve (Valve 3HP-029) to Pipe

**Total C05.021 Items: 28**

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

DUKE POWER COMPANY  
QUALITY ASSURANCE TECHNICAL SERVICES  
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**Inservice Inspection Plan for Interval 3 Outage 6**

Piping Welds  $\geq$  3/8 In. Nominal Wall Thickness for  
Piping  $>$  NPS 4

ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
---- Circumferential Weld ----								
C05.051.004	3-01A-13-2	3-01A-13 OFD-122A-3.1	NDE-12	RT	CS	36.000 1.164		Inspect with item number C05.052.002
	Circumferential			Pipe to Elbow				
C05.051.004A	3-01A-13-2	3-01A-13 OFD-122A-3.1	NDE-25	MT	CS	36.000 1.164		Inspect with item number C05.052.002A
	Circumferential			Pipe to Elbow				
C05.051.006	3-01A-14-1	3-01A-14 OFD-122A-3.2	NDE-12	RT	CS	6.000 0.432		
	Circumferential			Pipe to Elbow				
C05.051.006A	3-01A-14-1	3-01A-14 OFD-122A-3.2	NDE-25	MT	CS	6.000 0.432		
	Circumferential			Pipe to Elbow				
C05.051.009	3-MS1B-A	3-01A-23/3MS-1B OFD-122A-3.1	NDE-12	RT	CS	26.000 0.875		Inspect with item number C05.052.005
	Circumferential			Pipe to Elbow				
C05.051.009A	3-MS1B-A	3-01A-23/3MS-1B OFD-122A-3.1	NDE-25	MT	CS	26.000 0.875		Inspect with item number C05.052.005A
	Circumferential			Pipe to Elbow				
C05.051.017	3-FWD-83-F	3-03-27/3FWD-83 OFD-121B-3.3	NDE-12	RT	CS	24.000 1.218		
	Circumferential			Pipe to Reducer				
C05.051.017A	3-FWD-83-F	3-03-27/3FWD-83 OFD-121B-3.3	NDE-25	MT	CS	24.000 1.218		
	Circumferential			Pipe to Reducer				
C05.051.020	3-03-30-WG91-C	3-03-30 OFD-121B-3.3 OM-2201-223	NDE-12	RT	CS	14.000 0.750		
	Circumferential			Tee to Pipe				
C05.051.020A	3-03-30-WG91-C	3-03-30 OFD-121B-3.3 OM-2201-223	NDE-25	MT	CS	14.000 0.750		
	Circumferential			Tee to Pipe				

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

DUKE POWER COMPANY  
QUALITY ASSURANCE TECHNICAL SERVICES  
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**Inservice Inspection Plan for Interval 3 Outage 6**

**Piping Welds ≥ 3/8 In. Nominal Wall Thickness for  
Piping > NPS 4**

ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
C05.051.026	3-03A-97-13 Circumferential	3-03A-97 OFD-121D-3.1	NDE-12	RT	CS	6.000 0.562		Elbow to Pipe
C05.051.026A	3-03A-97-13 Circumferential	3-03A-97 OFD-121D-3.1	NDE-25	MT	CS	6.000 0.562		Elbow to Pipe
C05.051.034	3-14B-119-15 Circumferential	3-14B-119 OFD-124B-3.2	NDE-12	RT	CS	8.000 0.500		Pipe to Pipe
C05.051.034A	3-14B-119-15 Circumferential	3-14B-119 OFD-124B-3.2	NDE-25	MT	CS	8.000 0.500		Pipe to Pipe
C05.051.039	3-14B-119-53 Circumferential	3-14B-119 OFD-124B-3.2	NDE-12	RT	CS	8.000 0.500		Pipe to Pipe
C05.051.039A	3-14B-119-53 Circumferential	3-14B-119 OFD-124B-3.2	NDE-25	MT	CS	8.000 0.500		Pipe to Pipe
C05.051.044	3-14B-119-8 Circumferential	3-14B-119 OFD-124B-3.2	NDE-12	RT	CS	8.000 0.500		Pipe to Elbow
C05.051.044A	3-14B-119-8 Circumferential	3-14B-119 OFD-124B-3.2	NDE-25	MT	CS	8.000 0.500		Pipe to Elbow
C05.051.045	3-14B-119-9 Circumferential	3-14B-119 OFD-124B-3.2	NDE-12	RT	CS	8.000 0.500		Elbow to Elbow
C05.051.045A	3-14B-119-9 Circumferential	3-14B-119 OFD-124B-3.2	NDE-25	MT	CS	8.000 0.500		Elbow to Elbow

Total C05.051 Items: 20

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

DUKE POWER COMPANY  
QUALITY ASSURANCE TECHNICAL SERVICES  
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**Inservice Inspection Plan for Interval 3 Outage 6**

**Piping Welds  $\geq$  3/8 in. Nominal Wall Thickness for  
Piping  $>$  NPS 4**

ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
<b>**** Longitudinal Weld ****</b>								
C05.052.002	3-01A-13-02L Longitudinal	3-01A-13	NDE-12	RT	CS	36.000 1.164		Inspect with item number C05.051.004.
C05.052.002A	3-01A-13-02L Longitudinal	3-01A-13	NDE-25	MT	CS	36.000 1.164		Inspect with item number C05.051.004A
C05.052.005	3-MS1B-AL Longitudinal	3MS-1B	NDE-12	RT	CS	26.000 0.875		Inspect with item number C05.051.009
C05.052.005A	3-MS1B-AL Longitudinal	3MS-1B	NDE-25	MT	CS	26.000 0.875		Inspect with item number C05.051.009A
<b>Total C05.052 Items:</b>		<b>4</b>						

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

DUKE POWER COMPANY  
QUALITY ASSURANCE TECHNICAL SERVICES  
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**Inservice Inspection Plan for Interval 3 Outage 6**

**2** Pipe Branch Connections of Branch Piping  $\geq$  NPS

ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
<b>**** Circumferential Weld ****</b>								
C05.081.002	3-MS12B-A	3-01A-13/3MS-12B OFD-122A-3.1	NDE-25	MT	CS	8.000		Branch Weld is Inaccessible due to gaurd pipe. Inspect Only if gaurd pipe is removed for Maintenance Activities or repair/replacement reasons. See Request for Relief ONS-010.
Branch				Pipe to Pipe		0.906		
C05.081.005	3-MS15A-F	3-01A-9/3MS-15A OFD-122A-3.1	NDE-25	MT	CS	8.000		Branch Weld is Inaccessible due to gaurd pipe. Inspect Only if gaurd pipe is removed for Maintenance Activities or repair/replacement reasons. See Request for Relief ONS-010.
Branch				Pipe to Pipe		0.906		
C05.081.006	3-MS15A-F-1	3-01A-9/3MS-15A OFD-122A-3.1	NDE-25	MT	CS	8.000		Inspect the Gaurd Pipe to Reinforcing Collar weld AND the Reinforcing Collar to the Main Steam Header pipe Weld. This is done because weld# 3-MS15A-F is Inaccessible due to Gaurd Pipe. See Request for Relief
Branch				Pipe to Pipe		0.906		
C05.081.007	3-MS15A-H	3-01A-9/3MS-15A OFD-122A-3.1	NDE-25	MT	CS	8.000		Branch Weld is Inaccessible due to gaurd pipe. Inspect Only if gaurd pipe is removed for Maintenance Activities or repair/replacement reasons. See Request for Relief ONS-010.
Branch				Pipe to Pipe		0.906		
C05.081.010	3-FWD-83-C	3-03-27/3FWD-83 OFD-121B-3.3	NDE-25	MT	CS	24.000		Pipe to Pipe
Branch						1.218		

Total C05.081 Items: 5  
Total Category C-F-2 Items: 61

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

Integral Attachment

DUKE POWER COMPANY  
QUALITY ASSURANCE TECHNICAL SERVICES  
Inservice Inspection Database Management System  
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ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
**** Component Supports and Restraints ****								
D02.020.003	3-01A-LC-1605 Rigid restraint	0-2403D OFD-122A-3.4	QAL-14	VT-3	NA	6.000 0.125		File no. OSC-510 Sht 1of3 Prob. No. 3-01A-04 Main Steam to Emergency F.W. Pump
D02.020.004	3-01A-R1 Rigid restraint	4-0-2403C OFD-122A-3.4	QAL-14	VT-3	NA	6.000 0.500		File no. OSC-510 Sht 2of3 Prob. No. 3-01A-04 Page 68 Main Steam to Emergency F.W. Pump
D02.020.015	3-03A-DE048 Rigid restraint	1-0-2400A OFD-121D-3.1	QAL-14	VT-3	NA	6.000 0.125		File No. OSC-526 Page No. 42; Problem No. 3-03A-09 Emergency Feedwater System
D02.020.028	3-03A-H141 Rigid restraint	1-0-2437A OFD-121D-3.1	QAL-14	VT-3	NA	6.000 0.125		File No. OS-524 Page No. 64; Problem No. 3-03A-07 Emergency Feedwater System
D02.020.031	3-03A-H152 Rigid restraint	1-0-2400B OFD-121D-3.1	QAL-14	VT-3	NA	6.000 0.500		File No. OSC-527 Page No. 39; Problem No. 3-03A-10 Emergency Feedwater System
D02.020.043	3-03A-SR177 Rigid restraint	1-0-2439B OFD-121D-3.1	QAL-14	VT-3	NA	6.000 0.375		File No. OS-524 Page No. 63; Problem No. 3-03A-07 Emergency Feedwater System
D02.020.047	3-03A-H10 Rigid restraint	1-0-2439B OFD-121D-3.1	QAL-14	VT-3	NA	6.000 0.500		File No. OSC-1224-23 Page No. 25.3; Problem No. 3-03A-13 Aux Service Water Piping
D02.020.048	3-03A-H11 Rigid restraint	1-0-2439B OFD-121D-3.1	QAL-14	VT-3	NA	6.000 0.375		File No. OS-519 Page No. 54; Problem No. 3-03A-06 Emergency Feedwater System
D02.020.049	3-03A-H110 Rigid restraint	1-0-2400A OFD-121D-3.1	QAL-14	VT-3	NA	6.000 0.125		File No. OSC-526 Page No. 42; Problem No. 3-03A-09 Emergency Feedwater System
D02.020.050	3-03A-H159 Rigid restraint	1-0-2401B OFD-121D-3.1	QAL-14	VT-3	NA	6.000 0.500		File No. OSC-527 Page No. 39; Problem No. 3-03A-10 Emergency Feedwater System



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

Integral Attachment

**DUKE POWER COMPANY  
QUALITY ASSURANCE TECHNICAL SERVICES  
Inservice Inspection Database Management System  
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**Inservice Inspection Plan for Interval 3 Outage 6**

ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
D02.020.061	3-03A-SR119 Rigid restraint	1-0-2400A OFD-121D-3.1	QAL-14	VT-3	NA	6.000 0.500		File No. OSC-526 Page No. 41; Problem No. 3-03A-09 Emergency Feedwater System
D02.020.062	3-03A-SR121 Rigid restraint	1-0-2400A OFD-121D-3.1	QAL-14	VT-3	NA	6.000 0.500		File No. OSC-526 Page No. 41; Problem No. 3-03A-09 Emergency Feedwater System
D02.020.067	3-03A-SR138 Rigid restraint	1-0-2437A OFD-121D-3.1	QAL-14	VT-3	NA	6.000 1.000		File No. OS-524 Page No. 64; Problem No. 3-03A-07 Emergency Feedwater System
D02.020.068	3-03A-SR139 Rigid restraint	1-0-2437A OFD-121D-3.1	QAL-14	VT-3	NA	6.000 0.500		File No. OS-524 Page No. 64; Problem No. 3-03A-07 Emergency Feedwater System
D02.020.091	3-04A-SR3 Rigid restraint	2-0-2439B OFD-121B-3.5	QAL-14	VT-3	NA	6.000 0.500		File No. OSC-520 Page No. 48.1 Problem No. 3-04A-01; System 04A
D02.020.096	3-07A-SR15 Rigid restraint	4-0-2402A OFD-121A-3.8	QAL-14	VT-3	NA	8.000 1.000		File No. OS-522 Page No. 60.1 Problem No. 3-07-03; System 07A
D02.020.103	3-13-SR2 Rigid restraint	7-0-2400A OFD-133A-3.2	QAL-14	VT-3	NA	24.000 0.337		File no OSC-523 Page 40 Prob. No. 13-7 Condenser Circulating Water Emerg. Disch.
D02.020.110	3-14B-DE050 Rigid restraint	0-2439B OFD-124B-3.2	QAL-14	VT-3	NA	8.000 0.280		File No. OSC-535 Page No. 62 Problem No. 3-14-6; Low Pressure Service Water
D02.020.112	3-14B-DE067 Rigid restraint	0-2439B OFD-124B-3.2	QAL-14	VT-3	NA	8.000 1.500		File No. OSC-535 Page No. 61.1 Problem No. 3-14-6; Low Pressure Service Water
D02.020.113	3-14B-DE068 Rigid restraint	1-0-2439B OFD-124B-3.2	QAL-14	VT-3	NA	14.000 2.000		File No. OSC-532 Page No. 76; Problem No. 3-14-04 Low Pressure Service Water Discharge from R B Coolers

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

**Integral Attachment**

**DUKE POWER COMPANY  
QUALITY ASSURANCE TECHNICAL SERVICES  
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**Inservice Inspection Plan for Interval 3 Outage 6**

ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
D02.020.114	3-14B-DE069 Rigid restraint	1-0-2439B OFD-124B-3.2	QAL-14	VT-3	NA	10.000 0.337		File No. OSC-532 Page No. 78; Problem No. 3-14-04 Low Pressure Service Water Discharge from R B Coolers
D02.020.115	3-14B-DE071 Rigid restraint	1-0-2439B OFD-124B-3.2	QAL-14	VT-3	NA	18.000 1.500		File No. OSC-532 Page No. 80; Problem No. 3-14-04 Low Pressure Service Water Discharge from R B Coolers
D02.020.116	3-14B-DE071 Rigid restraint	1-0-2439B OFD-124B-3.2	QAL-14	VT-3	NA	10.000 1.500		File No. OSC-532 Page No. 78; Problem No. 3-14-04 Low Pressure Service Water Discharge from R B Coolers
D02.020.117	3-14B-H15 Rigid restraint	0-2438C OFD-124B-3.1	QAL-14	VT-3	NA	16.000 1.500		File no. OS-535 Prob. No. 3-14-6 Page 60 LPSWater
D02.020.118	3-14B-H22 Rigid restraint	1-0-2439B OFD-124B-3.2	QAL-14	VT-3	NA	8.000 0.125		File No. OSC-535 Page No. 61.1 Problem No. 3-14-6; Low Pressure Service Water
D02.020.119	3-14B-H23 Rigid restraint	1-0-2439B OFD-124B-3.2	QAL-14	VT-3	NA	8.000 1.500		File No. OSC-535 Page No. 61.1 Problem No. 3-14-6; Low Pressure Service Water
D02.020.120	3-14B-H28 Rigid restraint	1-0-2439B OFD-124B-3.1	QAL-14	VT-3	NA	14.000 0.500		File no. OSC-533 Prob. No. 3-14-05 Page 61.1 LPSWater
D02.020.121	3-14B-H101 Rigid restraint	0-2437B OFD-124A-3.1	QAL-14	VT-3	NA	20.000 1.500		File No.OS-535 Page 60 Problem No.3-14-6 LPSWater
D02.020.122	3-14B-H102 Rigid restraint	0-2437B OFD-124A-3.1	QAL-14	VT-3	NA	20.000 1.500		File No.OS-535 Page 60 Problem No.3-14-6 LPSWater
D02.020.123	3-14B-H17 Rigid restraint	0-2438A OFD-124B-3.1	QAL-14	VT-3	NA	14.000 2.000		File no. OSC-533 Prob. No. 3-14-05 Page 61.1 LPSWater

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

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DUKE POWER COMPANY  
QUALITY ASSURANCE TECHNICAL SERVICES  
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Inservice Inspection Plan for Interval 3 Outage 6

ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
D02.020.124	3-14B-JGM-2706 Rigid restraint	0-2437A OFD-124B-3.1	QAL-14	VT-3	NA	16.000 0.187		File no. OSC-536 Prob. No. 3-14-01 Page 38 LPSWater Cooler Discharge
D02.020.125	3-14B-JTC-0101 Rigid restraint	0-2439B OFD-124B-3.2	QAL-14	VT-3	NA	18.000 0.187		File No. OSC-532 Page No. 80; Problem No. 3-14-04 Low Pressure Service Water Discharge from R B Coolers
D02.020.126	3-14B-ML-5005 Rigid restraint	0-2437A OFD-124A-3.1	QAL-14	VT-3	NA	20.000 2.000		File no. OSC-1808 Sht 2 of 2 Prob. No. 3-08-1 Page 36 Emergency F.W. Pump Turbine Exh. to Condenser
D02.020.127	3-14B-R101 Rigid restraint	0-2437B OFD-124A-3.1	QAL-14	VT-3	NA	20.000 0.500		File No.OS-535 Page 60 Problem No.3-14-6 LPSWater
D02.020.128	3-14B-R103 Rigid restraint	0-2439B OFD-124B-3.2	QAL-14	VT-3	NA	8.000 0.237		File No. OSC-535 Page No. 61.1 Problem No. 3-14-6; Low Pressure Service Water
D02.020.143	3-57-H5 Rigid restraint	0-2481A OFD-100A-3.2	QAL-14	VT-3	NA	12.000 0.750		File No.OSC-1351-06 Problem No.3-57-01 Dwg # 0-3RB-357001-01 PZR Relief Valve System

Total D02.020 Items: 36

CATEGORY F-A, Supports

DUKE POWER COMPANY  
 QUALITY ASSURANCE TECHNICAL SERVICES  
 Inservice Inspection Database Management System  
 Oconee Unit 2  
 Inservice Inspection Plan for Interval 3 Outage 6

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

ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DI/THK	CAL BLOCKS	COMMENTS
F01.040.002	2-SGB-SKIRT	ISI-OCN2-004 OM-1201-450	QAL-14	VT-3	CS		135.000 0.000	Steam Generator 2B Support Skirt, Class A  Ring to Lower Head
F01.040.017	2-RBS-PU-B	OM-1201-1121 OFD-103A-3.1	QAL-14	VT-3	NA		0.000 0.000	Reactor Building Spray Pump "B" Support Legs & Pad, Class B
F01.040.019	2-SF-PUMP-C	OM-201-1704 OFD-104A-1.1	QAL-14	VT-3	NA		0.000 0.000	Spent Fuel Pump "C" Support Legs & Pad, Class C
F01.040.021	2-CS-QT	OM-1201-076 OFD-107A-2.1	QAL-14	VT-3	NA		0.000 0.000	Coolant Storage Quench Tank Support Legs, Class C
Total F01.040 Items:							4	
Total Category F-A Items:							36	

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

**Integral Attachment**

**DUKE POWER COMPANY  
QUALITY ASSURANCE TECHNICAL SERVICES  
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Oconee Unit 3  
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ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
<b>.... Spring Type Supports ....</b>								
D02.040.001	3-01A-H7 Spring hanger	4-0-2400A OFD-122A-3.4	QAL-14	VT-3	NA	6.000 0.125		File no. 0SC-510 Sht 2 of 3 Prob. No. 3-01A-04 Page 68 Main Steam to Emergency F.W. Pump
D02.040.002	3-01A-H8 Spring hanger	4-0-2400A OFD-122A-3.4	QAL-14	VT-3	NA	6.000 0.216		File no. 0SC-510 Sht 2 of 3 Prob. No. 3-01A-04 Page 68 Main Steam to Emergency F.W. Pump
D02.040.003	3-03-H48 Spring hanger	0-2401A OFD-121B-3.3	QAL-14	VT-3	NA	24.000 0.322		File no. 0SC-512 Page136.1 Prob. No. 3-03-01 Main Feedwater System
D02.040.004	3-03-H49 Spring hanger	0-2401A OFD-121B-3.3	QAL-14	VT-3	NA	24.000 1.500		File no. 0SC-512 Page136.1 Prob. No. 3-03-01 Main Feedwater System
D02.040.005	3-03-H50 Spring hanger	0-2401A OFD-121B-3.3	QAL-14	VT-3	NA	24.000 0.625		File no. 0SC-512 Page136.1 Prob. No. 3-03-01 Main Feedwater System
D02.040.006	3-03-H58 Spring hanger	0-2401A OFD-121B-3.3	QAL-14	VT-3	NA	24.000 0.322		File no. 0SC-512 Page136.1 Prob. No. 3-03-01 Main Feedwater System
D02.040.007	3-03-H59 Spring hanger	0-2401A OFD-121B-3.3	QAL-14	VT-3	NA	24.000 1.500		File no. 0SC-512 Page136.1 Prob. No. 3-03-01 Main Feedwater System
D02.040.019	3-07A-H15 Spring hanger	0-2401A OFD-121A-3.8	QAL-14	VT-3	NA	8.000 1.000		File No. OS-522 Page No. 60.1 Problem No. 3-07-03; System 07A
D02.040.024	3-08-H1 Spring hanger	1-0-2400A OFD-122A-3.4	QAL-14	VT-3	NA	10.000 0.237		File no. 0SC-1808 Sht 2 of 2 Prob. No. 3-08-1 Page 36 Emergency F.W. Pump Turbine Exh. to Condenser
D02.040.041	3-14B-H9 Spring hanger	0-2436D OFD-124B-3.1	QAL-14	VT-3	NA	16.000 0.187		File no. 0SC-531 Prob. No. 3-14B-3 Page 32 LPSWater Cooler Discharge

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

DUKE POWER COMPANY  
QUALITY ASSURANCE TECHNICAL SERVICES  
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**Inservice Inspection Plan for Interval 3 Outage 6**

**Integral Attachment**

ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
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Total D02.040 Items:	10							
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Total Category D-B Items:	47							
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**CATEGORY D-C, Systems In Support Of  
RHR From Spent Fuel Storage Pool**

DUKE POWER COMPANY  
QUALITY ASSURANCE TECHNICAL SERVICES  
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ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
<b>**** Component Supports and Restraints ****</b>								
D03.020.004	3-56-SR3 Rigid restraint	4-0-2438B OFD-104A-3.1	QAL-14	VT-3	NA	8.000 1.500		File No. OSC-563 Page No. 94.6 Problem No. 3-56-02; Spent Fuel Cooling
D03.020.005	3-56-SR8 Rigid restraint	5-0-2437A OFD-104A-3.1	QAL-14	VT-3	NA	8.000 0.216		File No. OSC-567 Page No. 40.3 Problem No. 3-56-1; Spent Fuel Cooling
<b>Total D03.020 Items:</b>		<b>2</b>						

**CATEGORY D-C, Systems in Support Of  
RHR From Spent Fuel Storage Pool**

DUKE POWER COMPANY  
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ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
<b>.... Spring Type Supports ....</b>								
D03.040.001	3-56-H17 Spring hanger	4-0-2437A OFD-104A-3.1	QAL-14	VT-3	NA	6.000 0.125		File No. OSC-563 Page No. 93.2 Problem No. 3-56-02; Spent Fuel Cooling
D03.040.002	3-56-H18 Spring hanger	4-0-2437A OFD-104A-3.1	QAL-14	VT-3	NA	8.000 0.125		File No. OSC-563 Page No. 93.2 Problem No. 3-56-02; Spent Fuel Cooling
D03.040.003	3-56-H19 Spring hanger	4-0-2437A OFD-104A-3.1	QAL-14	VT-3	NA	6.000 0.125		File No. OSC-563 Page No. 93.2 Problem No. 3-56-02; Spent Fuel Cooling
D03.040.004	3-56-H20 Spring hanger	1-0-2437A OFD-104A-3.1	QAL-14	VT-3	NA	8.000 0.125		File No. OSC-563 Page No. 92.2 Problem No. 3-56-02; Spent Fuel Cooling
<b>Total D03.040 Items:</b>		<b>4</b>						
<b>Total Category D-C Items:</b>		<b>6</b>						



**CATEGORY F-A, Supports (Category A)**

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

ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
F01.010.001	3-51A-H12B Rigid restraint	0-2479A OFD-101A-3.4 0-2492B-3(S)	QAL-14	VT-3	NA	2.500 0.375		File No. OSC-1342-06 Vol.A Prob. No. 3-51-20 H.P.I. West Coolant Loop South Leg
F01.010.002	3-51A-H2B Rigid restraint	0-2479A OFD-101A-3.4 0-2492B-3(S)	QAL-14	VT-3	NA	2.500 0.375		File No. OSC-1342-06 Vol.A Prob. No. 3-51-20 H.P.I. West Coolant Loop South Leg
F01.010.005	3-59-H28 Rigid restraint	0-2478A OFD-100A-3.1	QAL-14	VT-3	NA	1.500 0.250		File No. OSC-1660-01 Page No. 60.1 Problem No. 3-51-14; R C Pump to HPI Letdown Coolers.
<b>Total F01.010 Items:</b>		<b>3</b>						
F01.011.001	3-51A-H10A Rigid restraint	0-2479A OFD-101A-3.4	QAL-14	VT-3	NA	2.500 0.000		File No. OSC-1343 Vol.B of C Prob. No. 3-53-10 Page 59 H.P.I. East Coolant Loop
F01.011.002	3-51A-H12A Rigid restraint	0-2479A OFD-101A-3.4	QAL-14	VT-3	NA	2.500 0.000		File No. OSC-1343 Vol.B of C Prob. No. 3-53-10 Page 58 H.P.I. East Coolant Loop
F01.011.008	3-59-H6514 Rigid restraint	0-2478D OFD-100A-3.1	QAL-14	VT-3	NA	1.500 0.000		File No. OSC-1349-06 Problem No. 3-59-05, sht. 1 of 1 Reactor Bld Component Drains
<b>Total F01.011 Items:</b>		<b>3</b>						

**CATEGORY F-A, Supports (Category A)**

DUKE POWER COMPANY  
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**Class 2 Weld Connections to Building Structure**

**Inservice Inspection Plan for Interval 3 Outage 6**

ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
F01.020.020	3-53B-DE026 Rigid restraint	5-0-2435B OFD-102A-3.2	QAL-14	VT-3	NA	10.000 0.000		File No. OS-550 Page No. 56 Problem No. 3-53-03; System 53B
F01.020.021	3-53B-DE027 Rigid restraint	5-0-2435B OFD-102A-3.2	QAL-14	VT-3	NA	10.000 0.000		File No. OS-550 Page No. 56 Problem No. 3-53-03; System 53B
F01.020.022	3-53B-DE028 Rigid restraint	5-0-2435B OFD-102A-3.2	QAL-14	VT-3	NA	10.000 0.000		File No. OS-550 Page No. 56 Problem No. 3-53-03; System 53B
F01.020.029	3-54A-DE003 Rigid restraint	3-0-2435B OFD-103A-3.1	QAL-14	VT-3	NA	8.000 0.000		File No. OSC-554 Page No. 47.1 Problem No. 3-54-01; Reactor Bld Spray
F01.020.030	3-54A-H25 Rigid restraint	3-0-2439A OFD-103A-3.1	QAL-14	VT-3	NA	8.000 1.000		File No. OSC-556 Page No. 64.1 Problem No. 3-54-03
F01.020.035	3-54A-SR19 Rigid restraint	3-0-2439B OFD-103A-3.1	QAL-14	VT-3	NA	8.000 0.000		File No. OSC-556 Page No. 65.1 Problem No. 3-54-03
<b>Total F01.020 Items:</b>		<b>6</b>						
F01.021.005	3-14B-H20D Rigid restraint	0-2479A OFD-124B-3.2	QAL-14	VT-3	NA	8.000 1.500		File No. OSC-1344-06 Page No. 6(1) 38 Problem No. 3-14B-09 System 14B
F01.021.006	3-14B-H22A Rigid restraint	0-2480A OFD-124B-3.2	QAL-14	VT-3	NA	8.000 1.500		File No. OSC-1344-06 Page No. 6(2) 38 Problem No. 3-14B-08 System 14B
F01.021.007	3-14B-H22D Rigid restraint	0-2480A OFD-124B-3.2	QAL-14	VT-3	NA	8.000 1.500		File No. OSC-1344-06 Page No. 6(1) 38 Problem No. 3-14B-09 System 14B

**CATEGORY F-A, Supports (Category B)**

DUKE POWER COMPANY  
 QUALITY ASSURANCE TECHNICAL SERVICES  
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**Class 2 Weld Connections to Building Structure**

Inservice Inspection Plan for Interval 3 Outage 6

ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
F01.021.008	3-14B-H5C Rigid restraint	0-2479A OFD-124B-3.2	QAL-14	VT-3	NA	8.000 1.500		File No. OSC-1344-06 Page No. 6(5) 39.1 Problem No. 3-14B-12 System 14B
F01.021.009	3-14B-H5F Rigid restraint	0-2479A OFD-124B-3.2	QAL-14	VT-3	NA	8.000 1.500		File No. OSC-1344-06 Page No. 6(6) 41 Problem No. 3-14B-13 System 14B
F01.021.011	3-51A-DE006 Rigid restraint	0-2435D OFD-101A-3.2	QAL-14	VT-3	NA	2.500 0.000		File No. OSC-538 Prob. No. 3-51-1 Page 108 Disch.to Letdown Storage Tanks from R.C. Seal Return Coolers
F01.021.012	3-51A-DE083 Rigid restraint	0-2439A OFD-101A-3.4	QAL-14	VT-3	NA	4.000 0.000		File No. OSC-541 Prob. No. 3-51-4 Page 63 H.P.I.to Reactor Coolant Loop "A"
F01.021.013	3-51A-DE084 Rigid restraint	0-2439D OFD-101A-3.1	QAL-14	VT-3	NA	2.500 0.000		File No. OSC-538 Prob. No. 3-51-1 Sht. 8 of 9 R.C. Seal Return Cooler and Purification Demin.
F01.021.014	3-51A-DE085 Rigid restraint	2-0-2439C OFD-101A-3.4	QAL-14	VT-3	NA	4.000 0.000		File No. OSC-542 Prob. No. 3-51-05 Page 42 HPI Pump Disch.
F01.021.024	3-53B-R2 Rigid restraint	5-0-2436D OFD-102A-3.2	QAL-14	VT-3	NA	10.000 1.000		File No. OS-552 Page 43.3 Problem No. 3-53-06 System 53B
F01.021.030	3-56-DE052 Rigid restraint	0-2438D OFD-104A-3.1	QAL-14	VT-3	NA	8.000 0.000		File No. OSC-563 Page No. 94.6 Problem No. 3-56-02 Spent Fuel Cooling
<b>Total F01.021 Items:</b>		<b>11</b>						
F01.022.009	3-53B-DE013 Mech snubber	0-2435B OFD-102A-3.1	QAL-14	VT-3	NA	14.000 0.000		File No. OS-549 Page 78 Problem No. 3-53-01 LP Injection & Decay Heat Removal

**CATEGORY F-A, Supports (Category C)**

DUKE POWER COMPANY  
 QUALITY ASSURANCE TECHNICAL SERVICES  
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**Class 2 Weld Connections to Building Structure**

**Inservice Inspection Plan for Interval 3 Outage 6**

ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
F01.022.011	3-53B-H43 Spring hanger	5-0-2436D OFD-102A-3.2	QAL-14	VT-3	NA	10.000 0.000		File No. OS-550 Page No. 58 Problem No. 3-53-03 System 53B
F01.022.014	3-53B-SR46 Mech snubber	2-0-2435D OFD-101A-3.3	QAL-14	VT-3	NA	6.000 0.000		File No. OSC-539 Prob. No. 3-51-2 Page 145 H.P.I. Pumps 3A,3B,&3C Suction Header
F01.022.015	3-54A-H35 Spring hanger	3-0-2435B OFD-103A-3.1	QAL-14	VT-3	NA	8.000 1.000		File No. OSC-554 Page No. 47.1 Problem No. 3-54-01 Reactor Bld Spray
F01.022.016	3-54A-H39 Spring hanger	3-0-2437B OFD-103A-3.1	QAL-14	VT-3	NA	8.000 1.000		File No. OSC-554 Page No. 47.1 Problem No. 3-54-01 Reactor Bld Spray

**Total F01.022 Items: 5**

**CATEGORY F-A, Supports (Category A)**

DUKE POWER COMPANY  
 QUALITY ASSURANCE TECHNICAL SERVICES  
 Inservice Inspection Database Management System  
 Oconee Unit 3

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Inservice Inspection Plan for Interval 3 Outage 6

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

ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
F01.030.006	3-03A-DE048 Rigid restraint	1-0-2400A OFD-121D-3.1	QAL-14	VT-3	NA	6.000 0.125		File No. OSC-526 Page No. 42 Problem No. 3-03A-09 Emergency Feedwater System
F01.030.037	3-56-SR3 Rigid restraint	4-0-2438B OFD-104A-3.1	QAL-14	VT-3	NA	8.000 1.500		File No. OSC-563 Page No. 94.6 Problem No. 3-56-02 Spent Fuel Cooling
F01.030.038	3-56-SR8 Rigid restraint	5-0-2437A OFD-104A-3.1	QAL-14	VT-3	NA	8.000 0.216		File No. OSC-567 Page No. 40.3 Problem No. 3-56-1 Spent Fuel Cooling
F01.030.039	3-57-H5 Rigid restraint	0-2481A OFD-100A-3.2	QAL-14	VT-3	NA	12.000 0.750	SWAY STRUT to Other	File No. OSC-1351-06 Problem No. 3-57-01 Dwg # 0-3RB-357001-01 PZR Relief Valve System
<b>Total F01.030 Items:</b>		<b>4</b>						
F01.031.002	3-03A-H11 Rigid restraint	1-0-2439B OFD-121D-3.1	QAL-14	VT-3	NA	6.000 0.375		File No. OS-519 Page No. 54 Problem No. 3-03A-06 Emergency Feedwater System
F01.031.003	3-03A-H110 Rigid restraint	1-0-2400A OFD-121D-3.1	QAL-14	VT-3	NA	6.000 0.125		File No. OSC-526 Page No. 42 Problem No. 3-03A-09 Emergency Feedwater System
F01.031.011	3-04A-SR3 Rigid restraint	2-0-2439B OFD-121B-3.5	QAL-14	VT-3	NA	6.000 0.500		File No. OSC-520 Page No. 48.1 Problem No. 3-04A-01 System 04A
F01.031.015	3-13-SR2 Rigid restraint	7-0-2400A OFD-133A-3.2	QAL-14	VT-3	NA	24.000 0.337		File No. OSC-523 Page 40 Prob. No. 13-7 Condenser Circulating Water Emerg. Disch.
<b>Total F01.031 Items:</b>		<b>4</b>						

**CATEGORY F-A, Supports (Category C)**

DUKE POWER COMPANY  
 QUALITY ASSURANCE TECHNICAL SERVICES  
 Inservice Inspection Database Management System  
 Oconee Unit 3

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**Inservice Inspection Plan for Interval 3 Outage 6**

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

ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
F01.032.001	3-01A-H7 Spring hanger	4-0-2400A OFD-122A-3.4	QAL-14	VT-3	NA	6.000 0.125		File no. 0SC-510 Sht 2 of 3 Prob. No. 3-01A-04 Page 68 Main Steam to Emergency F.W. Pump
F01.032.002	3-01A-H8 Spring hanger	4-0-2400A OFD-122A-3.4	QAL-14	VT-3	NA	6.000 0.216		File no. 0SC-510 Sht 2 of 3 Prob. No. 3-01A-04 Page 68 Main Steam to Emergency F.W. Pump
F01.032.003	3-03-H48 Spring hanger	0-2401A OFD-121B-3.3	QAL-14	VT-3	NA	24.000 0.322		File no. 0SC-512 Page136.1 Prob. No. 3-03-01 Main Feedwater System
F01.032.004	3-03-H49 Spring hanger	0-2401A OFD-121B-3.3	QAL-14	VT-3	NA	24.000 1.500		File No. 0SC-512 Page136.1 Prob. No. 3-03-01 Main Feedwater System
F01.032.009	3-03A-SR101PO Hyd snubber	1-0-2401A OFD-121B-3.3	QAL-14	VT-3	NA	6.000 0.000		File no. 0SC-513 Page72 Prob. No. 3-03A-02 EmergencyFeedwater System
F01.032.011	3-07A-H15 Spring hanger	0-2401A OFD-121A-3.8	QAL-14	VT-3	NA	8.000 1.000		File No. OS-522 Page No. 60.1 Problem No. 3-07-03 System 07A
F01.032.013	3-08-H1 Spring hanger	1-0-2400A OFD-122A-3.4	QAL-14	VT-3	NA	10.000 0.237		File no. 0SC-1808 Sht 2 of 2 Prob. No. 3-08-1 Page 36 Emergency F.W. Pump Turbine Exh. to Condenser
<b>Total F01.032 Items:</b>		<b>7</b>						

**CATEGORY F-A, Supports**

DUKE POWER COMPANY  
 QUALITY ASSURANCE TECHNICAL SERVICES  
 Inservice Inspection Database Management System  
 Oconee Unit 3  
 Inservice Inspection Plan for Interval 3 Outage 6

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

ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
F01.040.001	3-RPV-WR36	0M 2201-51 ISI-OCN3-001	QAL-14	VT-3	NA	0.000 0.000		Reactor Vessel Support Skirt. Class A
F01.040.015	3-SF-PU-A	0M 2201-21 0M 2201-597 OFD 104A-3.1	QAL-14	VT-3	NA	0.000 0.000		Spent Fuel Pump "A".Support Legs & Pad.Class C
F01.040.016	3-SF-COOLER-A	0M 201-84 OFD 104A-3.1	QAL-14	VT-3	NA	0.000 0.000		Spent Fuel Cooler "A".Support Legs .Class C

Total F01.040 Items: 3

Total Category F-A Items: 46





**CATEGORY AUG, Augmented Inspections**

DUKE POWER COMPANY  
 QUALITY ASSURANCE TECHNICAL SERVICES  
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**Inservice Inspection Plan for Interval 3 Outage 6**

ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
G04.001.001	3-51A-61-43 Circumferential	3-51A-61 OFD-101A-3.4	NDE-600	UT	SS	2.500 0.375	40378	Inspect 100% of weld & 1" of Base Metal (axial & circ.). Reference Section 7 Paragraph 7.1.4 of the ISI Plan Valve (Valve 3HP-153) to Pipe
G04.001.003	3-51A-61-44A Circumferential Stress weld	3-51A-61 OFD-101A-3.4	NDE-600	UT	SS	2.500 0.375	40378	Inspect 100% of weld & 1" of Base Metal (axial & circ.). Reference Section 7 Paragraph 7.1.4 of the ISI Plan Pipe to Nozzle (Nozzle on 3B1 Disc Line)

Total G04.001 Items: 2

Total Category AUG Items: 2

**CATEGORY AUG, Augmented Inspections**

**DUKE POWER COMPANY  
QUALITY ASSURANCE TECHNICAL SERVICES  
Inservice Inspection Database Management System  
Oconee Unit 3  
Inservice Inspection Plan for Interval 3 Outage 6**

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**Auxiliary Feedwater Header B&W Safety Concern  
21-82 Water Hammer**

ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIATHK	CAL BLOCKS	COMMENTS
G06.001.001	3-03A-146-4 Circumferential	3-03A-146 OFD-121B-3.3	NDE-25	MT	CS	3.000 0.300		3A Aux. FDW Header 3" Fig. to Elb. Reference Section 7 Paragraph 7.1.6 of the ISI Plan - Volume 1  Flange to Elbow
G06.001.002	3-03A-146-7VEN Circumferential	3-03A-146 OFD-121B-3.3	NDE-25	MT	CS	4.620 0.938		3A Aux. FDW Header 3" Fig. Nozzle to 6" Header. Reference Section 7 Paragraph 7.1.6 of the ISI Plan - Volume 1  Nozzle to 6" Header
G06.001.003	3-03A-146-6 Circumferential	3-03A-146 OFD-121B-3.3	NDE-25	MT	CS	3.000 0.300		3A Aux. FDW Header 3" Fig. to Elb. Reference Section 7 Paragraph 7.1.6 of the ISI Plan - Volume 1  Flange to Elbow
G06.001.004	3-03A-146-8VEN Circumferential	3-03A-146 OFD-121B-3.3	NDE-25	MT	CS	4.620 0.938		3A Aux. FDW Header 3" Fig. Nozzle to 6" Header. Reference Section 7 Paragraph 7.1.6 of the ISI Plan - Volume 1  Nozzle to 6"Header
G06.001.005	3-03A-146-8 Circumferential	3-03A-146 OFD-121B-3.3	NDE-25	MT	CS	3.000 0.300		3A Aux. FDW Header 3" Fig. to Elb. Reference Section 7 Paragraph 7.1.6 of the ISI Plan - Volume 1  Flange to Elbow
G06.001.006	3-03A-146-9VEN Circumferential	3-03A-146 OFD-121B-3.3	NDE-25	MT	CS	4.620 0.938		3A Aux. FDW Header 3" Fig. Nozzle to 6" Header. Reference Section 7 Paragraph 7.1.6 of the ISI Plan - Volume 1  Nozzle to 6"Header
G06.001.007	3-03A-146-10 Circumferential	3-03A-146 OFD-121B-3.3	NDE-25	MT	CS	3.000 0.300		3A Aux. FDW Header 3" Fig. to Elb. Reference Section 7 Paragraph 7.1.6 of the ISI Plan - Volume 1  Flange to Elbow
G06.001.008	3-03A-146-4VEN Circumferential	3-03A-146 OFD-121B-3.3	NDE-25	MT	CS	4.620 0.938		3A Aux. FDW Header 3" Fig. Nozzle to 6" Header. Reference Section 7 Paragraph 7.1.6 of the ISI Plan - Volume 1  Nozzle to 6"Header
G06.001.009	3-03A-146-12 Circumferential	3-03A-146 OFD-121B-3.3	NDE-25	MT	CS	3.000 0.300		3A Aux. FDW Header 3" Fig. to Elb. Reference Section 7 Paragraph 7.1.6 of the ISI Plan - Volume 1  Flange to Elbow
G06.001.010	3-03A-146-5VEN Circumferential	3-03A-146 OFD-121B-3.3	NDE-25	MT	CS	4.620 0.938		3A Aux. FDW Header 3" Fig. Nozzle to 6"Header. Reference Section 7 Paragraph 7.1.6 of the ISI Plan - Volume 1  Nozzle to 6"Header

**CATEGORY AUG, Augmented Inspections**

DUKE POWER COMPANY  
 QUALITY ASSURANCE TECHNICAL SERVICES  
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**Inservice Inspection Plan for Interval 3 Outage 6**

**Auxiliary Feedwater Header B&W Safety Concern  
 21-82 Water Hammer**

ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
G06.001.011	3-03A-146-14 Circumferential	3-03A-146 OFD-121B-3.3	NDE-25	MT	CS	3.000 0.300		3A Aux. FDW Header 3" Flg. to Elb. Reference Section 7 Paragraph 7.1.6 of the ISI Plan - Volume 1  Flange to Elbow
G06.001.012	3-03A-146-6VEN Circumferential	3-03A-146 OFD-121B-3.3	NDE-25	MT	CS	4.620 0.938		3A Aux. FDW Header 3" Flg. Nozzle to 6"Header. Reference Section 7 Paragraph 7.1.6 of the ISI Plan - Volume 1  Nozzle to 6"Header
G06.001.013	3-03A-146-1 Circumferential	3-03A-146 OFD-121B-3.3	NDE-12	RT	CS	6.000 0.432		3A Aux. FDW Header Pipe to Tee. Reference Section 7 Paragraph 7.1.6 of the ISI Plan - Volume 1  Pipe to Tee
<b>Total G06.001 Items:</b>		<b>13</b>						
<b>Total Category AUG Items:</b>		<b>13</b>						

**CATEGORY AUG, Augmented Inspections**

DUKE POWER COMPANY  
 QUALITY ASSURANCE TECHNICAL SERVICES  
 Inservice Inspection Database Management System  
 Oconee Unit 3  
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**Longitudinal Pipe Welds With A Nom. Wall  
 Thickness < 3/8" and > NPS 4"**

ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
G07.001.004	3-53B-37-29L Longitudinal	3-53B-37	NDE-35	PT	SS	10.000 0.250		Inspect with item number G09.001.009
G07.001.005	3-53B-37-35L Longitudinal	3-53B-37	NDE-35	PT	SS	10.000 0.250		Inspect with item number G09.001.010
G07.001.006	3-53B-44-14L Longitudinal	3-53B-44	NDE-35	PT	SS	12.000 0.180		Inspect with item number G09.001.013
G07.001.011	3-54A-11-17L Longitudinal	3-54A-11	NDE-35	PT	SS	8.000 0.250		Inspect with item number G09.001.025
G07.001.013	3-54A-9-32L Longitudinal	3-54A-9	NDE-35	PT	SS	8.000 0.250		Inspect with item number G09.001.030
G07.001.015	3-56-14-57L Longitudinal	3-56-14	NDE-35	PT	SS	8.000 0.148		inspect with item number G09.001.032

Total G07.001 Items: 6

Total Category AUG Items: 6

**CATEGORY AUG, Augmented Inspections**

**DUKE POWER COMPANY**  
**QUALITY ASSURANCE TECHNICAL SERVICES**  
 Inservice Inspection Database Management System  
 Oconee Unit 3  
**Inservice inspection Plan for interval 3 Outage 6**

**Pressurizer Sensing/Sampling Nozzle Safe Ends**

ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIATHK	CAL	BLOCKS	COMMENTS
G08.001.001	3PZR-WP63-1 Circumferential	ISI-OCN3-002	NDE-35	PT	CS/Inconel	1.000			Pressurizer Sensing and Sampling Nozzles; W-X Quad.
					Sensing Nozzle to Safe- end	1.185			
G08.001.002	3PZR-WP63-2 Circumferential	ISI-OCN3-002	NDE-35	PT	CS/Inconel	1.000			Pressurizer Sensing and Sampling Nozzles; Y-Z Quad.
					Sensing Nozzle to Safe- end	1.185			
G08.001.003	3PZR-WP63-3 Circumferential	ISI-OCN3-002	NDE-35	PT	CS/Inconel	1.000			Pressurizer Sensing and Sampling Nozzles; Z-W Quad.
					Sensing Nozzle to Safe- end	1.185			
G08.001.004	3PZR-WP63-4 Circumferential	ISI-OCN3-002	NDE-35	PT	CS/Inconel	1.000			Pressurizer Sensing and Sampling Nozzles; W-X Quad.
					Sensing Nozzle to Safe- end	1.185			
G08.001.005	3PZR-WP63-5 Circumferential	ISI-OCN3-002	NDE-35	PT	CS/Inconel	1.000			Pressurizer Sensing and Sampling Nozzles; Y-Z Quad.
					Sensing Nozzle to Safe- end	1.185			
G08.001.006	3PZR-WP63-6 Circumferential	ISI-OCN3-002	NDE-35	PT	CS/Inconel	1.000			Pressurizer Sensing and Sampling Nozzles; Z-W Quad.
					Sensing Nozzle to Safe- end	1.185			
G08.001.007	3PZR-WP63-7 Circumferential	ISI-OCN3-002	NDE-35	PT	CS/Inconel	1.000			Pressurizer Sensing and Sampling Nozzles; Z-W Quad.
					Sensing Nozzle to Safe- end	1.185			

**Total G08.001 Items: 7**  
**Total Category AUG Items: 7**

**CATEGORY AUG, Augmented Inspections**

DUKE POWER COMPANY  
 QUALITY ASSURANCE TECHNICAL SERVICES  
 Inservice Inspection Database Management System  
 Oconee Unit 3

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**Inservice Inspection Plan for Interval 3 Outage 6**

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

ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
G09.001.008	3-53B-37-1	3-53B-37 OFD-102A-3.2	NDE-35	PT	SS	8.000 0.250		Flange to Reducer
G09.001.009	3-53B-37-29	3-53B-37 OFD-102A-3.2	NDE-35	PT	SS	10.000 0.250		Pipe to Tee
G09.001.010	3-53B-37-35	3-53B-37 OFD-102A-3.2	NDE-35	PT	SS	10.000 0.250		Pipe to Elbow
G09.001.013	3-53B-44-14	3-53B-44 OFD-102A-3.1	NDE-35	PT	SS	12.000 0.180		Elbow to Pipe
G09.001.019	3-53B-50-8	3-53B-50 OFD-102A-3.2	NDE-35	PT	SS	10.000 0.250		Tee to Valve (Valve 3LP-13)
G09.001.020	3-53B-51-19	3-53B-51 OFD-102A-3.2	NDE-35	PT	SS	10.000 0.250		Pipe to Elbow
G09.001.025	3-54A-11-17	3-54A-11 OFD-103A-3.1	NDE-35	PT	SS	8.000 0.250		Pipe to Elbow
G09.001.027	3-54A-11-5	3-54A-11 OFD-103A-3.1	NDE-35	PT	SS	8.000 0.250		Pipe to Elbow
G09.001.030	3-54A-9-32	3-54A-9 OFD-103A-3.1	NDE-35	PT	SS	8.000 0.250		Pipe to Elbow
G09.001.032	3-56-14-57	3-56-14 OFD-104A-3.1	NDE-35	PT	SS	8.000 0.148		Pipe to Elbow

CATEGORY AUG, Augmented Inspections

DUKE POWER COMPANY  
QUALITY ASSURANCE TECHNICAL SERVICES  
Inservice Inspection Database Management System  
Oconee Unit 3  
Inservice Inspection Plan for Interval 3 Outage 6

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

ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
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Total G09.001 Items:	10							
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Total Category AUG Items:	10							
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**CATEGORY AUG, Augmented Inspections**

DUKE POWER COMPANY  
 QUALITY ASSURANCE TECHNICAL SERVICES  
 Inservice Inspection Database Management System  
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**Inservice Inspection Plan for interval 3 Outage 6**

**Class 1 RTE Mounting Bosses**

ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
G10.001.008 Branch	3-PIA2-9	ISI-OCN3-008 OFD-100A-3.1	NDE-35	PT	CS/Inconel	8.750 2.250		Reference Section 7 Paragraph 7.1.10 of the ISI Plan - Volume1 The diameter of hole that penetrates through the nozzle into the hot leg = .613
G10.001.009 Branch	3-PIB1-11	ISI-OCN3-009 OFD-100A-3.1	NDE-35	PT	CS/Inconel	8.750 2.250		Reference Section 7 Paragraph 7.1.10 of the ISI Plan - Volume1 The diameter of hole that penetrates through the nozzle into the hot leg = .613

Total G10.001 Items: 2

Total Category AUG Items: 2



CATEGORY.

DUKE POWER COMPANY  
 QUALITY ASSURANCE TECHNICAL SERVICES  
 Inservice Inspection Database Management System  
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Inservice Inspection Plan for Interval 3 Outage 6

ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
G11.001.001	3RCP-3A2	OM-1201-1217 OFD-100A-3.1	QAL-13	VT-1	SS	0.000 0.000		Inspect Flg. Joint, Studs and Adj. area Per Req. for Relief ONS-011. Ref. Section 7 Paragraph 7.1.11 of the ISI Plan - Volume 1. RCP 3A2 Main Flange ; Each refueling outage the flange
G11.001.002	3RCP-3B1	OM-1201-1217 OFD-100A-3.1	QAL-13	VT-1	SS	0.000 0.000		Inspect Flg. Joint, Studs and Adj. area Per Req. for Relief ONS-011. Ref. Section 7 Paragraph 7.1.11 of the ISI Plan - Volume 1. RCP 3B1 Main Flange ; Each refueling outage the flange

Total G11.001 Items: 2

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Total Category Items: 2

Duke Power Company  
Quality Assurance Technical Services  
Inservice Inspection Plan For:

Oconee Unit 3

Interval 3

ISI Outage 6

Refueling Outage EOC 20

**Pressure Test Listing**

Revision 0

Run Date: April 26, 1994

OCONEE UNIT NUMBER 3  
CLASS A (CATEGORY B-E) REQUIREMENTS  
FOR OUTAGE NUMBER 20

<u>ITEM NO.</u>	<u>DRAWING</u>	<u>REV</u>	<u>TEST</u>	<u>COMP</u>	<u>COMP NAME</u>	<u>REQ. INSP</u>	<u>REQ. PROC</u>	<u>COMMENTS</u>
B04.012.001	B/W 128714E9	N/A	HYDRO	VARIOUS	RPV-CRDM	QAL-	QAL-15	69 Welds CRDM to RPV Closure Head - Examine during Class A Hydro Test
B04.013.001	B/W 154712E	N/A	HYDRO	VARIOUS	RPV-INCORE	VT-2	QAL-15	52 Welds INCORE to RPV Bottom Head - Examine during Class A Hydro Test

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OCONEE UNIT NUMBER 3  
CLASS A (CATEGORY B-P) REQUIREMENTS  
FOR OUTAGE NUMBER 20

<u>ITEM NO.</u>	<u>DRAWING</u>	<u>REV</u>	<u>TEST</u>	<u>COMP</u>	<u>COMP NAME</u>	<u>REQ. INSP</u>	<u>REQ. PROC</u>	<u>COMMENTS</u>
B15.051.001	SEE COMMENTS	N/A	HYDRO	VARIOUS	RC SYSTEM	VT-2	QAL-15	Drawings that make up the Class A Hydro Boundary: OFDH-100A-3.1, OFDH-100A-3.2, OFDH-100A-3.3, OFDH-101A-3.1, OFDH-101A-3.4, OFDH-102A-3.1, OFDH-102A-3.2, OFDH-102A-3.3, OFDH-110A-3.1, OFDH-110A-3.4

OCONEE UNIT NUMBER 3  
CLASS B (CATEGORY C-H) REQUIREMENTS  
FOR OUTAGE NUMBER 20

ITEM NO.	DRAWING	REV	TEST	COMP	COMP NAME	REQ. INSP	REQ. PROC	COMMENTS
C07.030.002	OFDL-101A-3.2	00	INSER	VARIOUS	HPI SYSTEM	VT-2	QAL-15	
C07.030.003	OFDL-101A-3.3	00	INSER	VARIOUS	HPI SYSTEM	VT-2	QAL-15	
C07.030.006	OFDL-102A-3.1	00	INS/FUN	VARIOUS	LPI SYSTEM	VT-2	QAL-15	Penetrations 36, 37 and 62
C07.030.007	OFDL-102A-3.2	00	INS/FUN	VARIOUS	LPI SYSTEM	VT-2	QAL-15	Penetrations 15 and 16
C07.030.011	OFDL-104A-3.2	00	INSER	VARIOUS	SF SYSTEM	VT-2	QAL-15	
C07.040.001	OFDH-101A-3.1	00	HYDRO	VARIOUS	HPI SYSTEM	VT-2	QAL-15	Penetrations 6 and 7
C07.040.002	OFDH-101A-3.2	00	HYDRO	VARIOUS	HPI SYSTEM	VT-2	QAL-15	
C07.040.003	OFDH-101A-3.3	00	HYDRO	VARIOUS	HPI SYSTEM	VT-2	QAL-15	
C07.040.004	OFDH-101A-3.4	00	HYDRO	VARIOUS	HPI SYSTEM	VT-2	QAL-15	Penetrations 8, 9, 10, 23 and 52
C07.040.005	OFDH-101A-3.5	00	HYDRO	VARIOUS	HPI SYSTEM	VT-2	QAL-15	
C07.040.010	OFDH-104A-3.1	00	HYDRO	VARIOUS	SF SYSTEM	VT-2	QAL-15	Penetration 56
C07.040.012	OFDH-106E-3.1	00	HYDRO	VARIOUS	DW SYSTEM	VT-2	QAL-15	Penetrations 46 and 55
C07.040.013	OFDH-107A-3.1	00	HYDRO	VARIOUS	CS SYSTEM	VT-2	QAL-15	Penetrations 18 and 38
C07.040.014	OFDH-107A-3.2	00	HYDRO	VARIOUS	CS SYSTEM	VT-2	QAL-15	Penetration 29
C07.040.015	OFDH-107B-3.1	00	HYDRO	VARIOUS	LWD SYSTEM	VT-2	QAL-15	Penetration 5
C07.040.016	OFDH-107D-3.2	00	HYDRO	VARIOUS	LWD SYSTEM	VT-2	QAL-15	Penetration 40
C07.040.017	OFDH-110A-3.1	00	HYDRO	VARIOUS	CA SYSTEM	VT-2	QAL-15	Penetrations 2 and 58
C07.040.018	OFDH-110A-3.3	00	HYDRO	VARIOUS	CA SYSTEM	VT-2	QAL-15	Penetrations 24 and 42
C07.040.019	OFDH-110A-3.4	00	HYDRO	VARIOUS	CA SYSTEM	VT-2	QAL-15	
C07.040.020	OFDH-116A-3.1	00	HYDRO	VARIOUS	PR SYSTEM	VT-2	QAL-15	Penetrations 19 and 20

OCONEE UNIT NUMBER 3  
CLASS B (CATEGORY C-H) REQUIREMENTS  
FOR OUTAGE NUMBER 20

ITEM NO.	DRAWING	REV	TEST	COMP	COMP NAME	REQ. INSP	REQ. PROC	COMMENTS
C07.040.021	OFDH-116C-3.1	00	HYDRO	VARIOUS	PR SYSTEM	VT-2	QAL-15	Penetrations 60 and 61
C07.040.022	OFDH-121B-3.3	00	HYDRO	VARIOUS	FDW SYSTEM	VT-2	QAL-15	Penetrations 25 and 27
C07.040.023	OFDH-121B-3.5	00	HYDRO	VARIOUS	FDW SYSTEM	VT-2	QAL-15	Penetrations 4 and 43
C07.040.024	OFDH-121D-1.2	01	HYDRO	VARIOUS	EFW SYSTEM	VT-2	QAL-15	
C07.040.025	OFDH-121D-3.1	00	HYDRO	VARIOUS	EFW SYSTEM	VT-2	QAL-15	Penetrations 17 and 50
C07.040.026	OFDH-122A-3.1	00	HYDRO	VARIOUS	MS SYSTEM	VT-2	QAL-15	Penetrations 26 and 28
C07.040.027	OFDH-122A-3.2	00	HYDRO	VARIOUS	MS SYSTEM	VT-2	QAL-15	
C07.040.028	OFDH-122A-3.3	00	HYDRO	VARIOUS	MS SYSTEM	VT-2	QAL-15	
C07.040.029	OFDH-122A-3.4	00	HYDRO	VARIOUS	MS SYSTEM	VT-2	QAL-15	
C07.040.030	OFDH-122B-3.1	00	HYDRO	VARIOUS	MS SYSTEM	VT-2	QAL-15	
C07.040.031	OFDH-124B-3.2	00	HYDRO	VARIOUS	LPSW SYSTEM	VT-2	QAL-15	Penetrations 30, 31, 32, 33, 34 and 35
C07.040.032	OFDH-124B-3.4	00	HYDRO	VARIOUS	LPSW SYSTEM	VT-2	QAL-15	Penetrations 21 and 22
C07.040.033	OFDH-127B-3.2	00	HYDRO	VARIOUS	N SYSTEM	VT-2	QAL-15	Penetrations 39 and 53
C07.040.034	OFDH-137A-3.3	00	HYDRO	VARIOUS	BA SYSTEM	VT-2	QAL-15	Penetration 48
C07.040.035	OFDH-137B-1.2	01	HYDRO	VARIOUS	IA SYSTEM	VT-2	QAL-15	Penetration 41
C07.040.036	OFDH-144A-3.2	00	HYDRO	VARIOUS	CC SYSTEM	VT-2	QAL-15	Penetrations 3 and 54
C07.040.037	OFDH-144A-3.3	00	HYDRO	VARIOUS	CC SYSTEM	VT-2	QAL-15	Penetration 44

OCONEE UNIT NUMBER 3  
CLASS C (CATEGORY 1-A) REQUIREMENTS  
FOR OUTAGE NUMBER 20

ITEM NO.	DRAWING	REV	TEST	COMP	COMP NAME	REQ. INSP	REQ. PROC	COMMENTS
D01.012.001	OFDH-100A-3.3	00	HYDRO	VARIOUS	RC SYSTEM	VT-2	QAL-15	
D01.012.002	OFDH-101A-3.1	00	HYDRO	VARIOUS	HPI SYSTEM	VT-2	QAL-15	
D01.012.003	OFDH-101A-3.2	00	HYDRO	VARIOUS	HPI SYSTEM	VT-2	QAL-15	
D01.012.004	OFDH-101A-3.3	00	HYDRO	VARIOUS	HPI SYSTEM	VT-2	QAL-15	
D01.012.005	OFDH-101A-3.4	00	HYDRO	VARIOUS	HPI SYSTEM	VT-2	QAL-15	
D01.012.006	OFDH-101A-3.5	00	HYDRO	VARIOUS	HPI SYSTEM	VT-2	QAL-15	
D01.012.007	OFDH-102A-3.1	00	HYDRO	VARIOUS	LPI SYSTEM	VT-2	QAL-15	
D01.012.008	OFDH-102A-3.2	00	HYDRO	VARIOUS	LPI SYSTEM	VT-2	QAL-15	
D01.012.009	OFDH-106A-3.2	00	HYDRO	VARIOUS	CT SYSTEM	VT-2	QAL-15	
D01.012.010	OFDH-109A-3.1	00	HYDRO	VARIOUS	HP SYSTEM	VT-2	QAL-15	
D01.012.011	OFDH-110A-3.1	00	HYDRO	VARIOUS	CA SYSTEM	VT-2	QAL-15	
D01.012.012	OFDH-110A-3.4	00	HYDRO	VARIOUS	CA SYSTEM	VT-2	QAL-15	
D01.012.013	OFDH-144A-3.2	00	HYDRO	VARIOUS	CC SYSTEM	VT-2	QAL-15	

OCONEE UNIT NUMBER 3  
CLASS C (CATEGORY D-B) REQUIREMENTS  
FOR OUTAGE NUMBER 20

ITEM NO.	DRAWING	REV	TEST	COMP	COMP NAME	REQ. INSP	REQ. PROC	COMMENTS
D02.012.001	OFDH-121A-1.8	02	HYDRO	VARIOUS	C SYSTEM	VT-2	QAL-15	
D02.012.002	OFDH-121A-3.3	00	HYDRO	VARIOUS	C SYSTEM	VT-2	QAL-15	
D02.012.003	OFDH-121A-3.7	00	HYDRO	VARIOUS	C SYSTEM	VT-2	QAL-15	
D02.012.004	OFDH-121A-3.8	00	HYDRO	VARIOUS	C SYSTEM	VT-2	QAL-15	
D02.012.005	OFDH-121B-3.3	00	HYDRO	VARIOUS	FDW SYSTEM	VT-2	QAL-15	
D02.012.006	OFDH-121B-3.5	00	HYDRO	VARIOUS	FDW SYSTEM	VT-2	QAL-15	
D02.012.007	OFDH-121D-3.1	00	HYDRO	VARIOUS	EFW SYSTEM	VT-2	QAL-15	
D02.012.008	OFDH-133A-2.5	01	HYDRO	VARIOUS	CCW SYSTEM	VT-2	QAL-15	
D02.012.009	OFDH-122A-3.4	00	HYDRO	VARIOUS	MS SYSTEM	VT-2	QAL-15	
D02.012.010	OFDH-124A-1.1	02	HYDRO	VARIOUS	LPSW SYSTEM	VT-2	QAL-15	
D02.012.011	OFDH-124A-3.1	00	HYDRO	VARIOUS	LPSW SYSTEM	VT-2	QAL-15	
D02.012.012	OFDH-124A-3.3	00	HYDRO	VARIOUS	LPSW SYSTEM	VT-2	QAL-15	
D02.012.013	OFDH-124B-3.1	00	HYDRO	VARIOUS	LPSW SYSTEM	VT-2	QAL-15	
D02.012.014	OFDH-124B-3.2	00	HYDRO	VARIOUS	LPSW SYSTEM	VT-2	QAL-15	
D02.012.015	OFDH-124B-3.4	00	HYDRO	VARIOUS	LPSW SYSTEM	VT-2	QAL-15	
D02.012.016	OFDH-124C-3.2	00	HYDRO	VARIOUS	HPSW SYSTEM	VT-2	QAL-15	
D02.012.017	OFDH-133A-3.1	00	HYDRO	VARIOUS	CCW SYSTEM	VT-2	QAL-15	Adequate flow test in lieu of Hydro test is acceptable.
D02.012.018	OFDH-133A-3.2	00	HYDRO	VARIOUS	CCW SYSTEM	VT-2	QAL-15	Adequate flow test in lieu of Hydro test is acceptable.
D02.012.019	OFDH-133A-3.3	00	HYDRO	VARIOUS	CCW SYSTEM	VT-2	QAL-15	Adequate flow test in lieu of Hydro test is acceptable.
D02.012.020	OFDH-133A-3.4	00	HYDRO	VARIOUS	CCW SYSTEM	VT-2	QAL-15	Adequate flow test in lieu of Hydro test is acceptable.



OCONEE UNIT NUMBER 3  
CLASS C (CATEGORY C) REQUIREMENTS  
FOR OUTAGE NUMBER 20

ITEM NO.	DRAWING	REV	TEST	COMP	COMP NAME	REQ. INSP	REQ. PROC	COMMENTS
D03.012.001	OFDH-104A-3.1	00	HYDRO	VARIOUS	SF SYSTEM	VT-2	QAL-15	
D03.012.002	OFDH-104A-3.2	00	HYDRO	VARIOUS	SF SYSTEM	VT-2	QAL-15	

Duke Power Company  
Quality Assurance Technical Services  
Inservice Inspection Plan For:  
Oconee Unit 3  
Interval 3  
ISI Outage 7  
Refueling Outage EOC 21

**ISI Inspection Listing**

Revision 0

Run Date: May 11, 1994

**CATEGORY B-A, Pressure Retaining Welds  
in Reactor Vessel**

**Shell Welds**

DUKE POWER COMPANY  
QUALITY ASSURANCE TECHNICAL SERVICES  
Inservice Inspection Database Management System  
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**Inservice Inspection Plan for Interval 3 Outage 7**

ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
<b>---- Circumferential ----</b>								
B01.011.001	3-RPV-WR1A Circumferential	ISI-OCN3-001 OM-2201-227	ISI-138	UT	CS	170.630 9.500	40393 50304	Reactor Vessel Lower Shell Forging Pc. 87 to Inter Shell Forging Pc. 165. Lower Shell Forging to Inter Shell Forging
B01.011.002	3-RPV-WR1 Circumferential	ISI-OCN3-001 OM-2201-227	ISI-138	UT	CS	170.630 9.500	40393 50304	Reactor Vessel Inter Shell Forging Pc. 165 to Lower Shell Forging Pc. 166. Lower Shell Forging to Inter Shell Forging
B01.011.003	3-RPV-WR18 Circumferential	ISI-OCN3-001 OM-2201-227	ISI-138	UT	CS	167.630 12.000	40393 50304	Reactor Vessel Upper Shell Forging Pc. 86 to Lower Shell Forging Pc. 87. Lower Shell Forging to Upper Shell Forging
<b>Total B01.011 Items:</b>		<b>3</b>						

**CATEGORY B-A, Pressure Retaining Welds  
in Reactor Vessel**

DUKE POWER COMPANY  
QUALITY ASSURANCE TECHNICAL SERVICES  
Inservice Inspection Database Management System  
Oconee Unit 3

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**Inservice Inspection Plan for Interval 3 Outage 7**

**Head Welds**

ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DI/THK	CAL BLOCKS	COMMENTS	
*** Circumferential ***									
B01.021.002	3-RPV-WR34	ISI-OCN3-001	ISI-138	UT	CS	170.250	40392	Reactor Vessel Transition Pc.36 to Lower Shell. Cal. Block 50304 may be used.	
	Circumferential	OM-2201-227				5.500	40393		
				Transition Pc. to Lower Shell					
B01.021.003	3-RPV-WR35	ISI-OCN3-001	ISI-138	UT	CS	143.000	40392	Reactor Vessel Lower Head Pc. 6 to Transition Pc. 36.	
	Circumferential	OM-2201-227				5.375			
				Transition Pc. to Lower Head					
<b>Total B01.021 Items:</b>		<b>2</b>							

**CATEGORY B-A, Pressure Retaining Welds  
in Reactor Vessel**

**Shell-to-Flange Weld**

DUKE POWER COMPANY  
QUALITY ASSURANCE TECHNICAL SERVICES  
Inservice Inspection Database Management System  
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**Inservice Inspection Plan for Interval 3 Outage 7**

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ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DI/THK	CAL BLOCKS	COMMENTS
B01.030.001	3-RPV-WR19 Circumferential	ISI-OCN3-001 OM-2201-227	ISI-138	UT	CS	167.630	40390 12.000	Reactor Vessel Upper Shell Forging Pc. 86 to Flange Pc. 7. Inspected from Vessel ID.
Total B01.030 Items:		1						
Total Category B-A Items:		6						

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

DUKE POWER COMPANY  
QUALITY ASSURANCE TECHNICAL SERVICES  
Inservice Inspection Database Management System  
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**Heat Exchangers (Primary Side)—Shell**

**Inservice Inspection Plan for Interval 3 Outage 7**

ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIATHK	CAL BLOCKS	COMMENTS
<b>**** Tubesheet-to-Head Welds ****</b>								
B02.060.001	3-LDCA-IN-V3 Circumferential	I-44773-3 OM-201-3107	NDE-630	UT	SS	8.620 0.875	40411	Letdown Cooler 3A Inlet Tubesheet Pc. 2 to Channel Body Pc. 3.
Total B02.060 Items:				1				
Total Category B-B Items:				1				

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

**Reactor Vessel**

DUKE POWER COMPANY  
QUALITY ASSURANCE TECHNICAL SERVICES  
Inservice Inspection Database Management System  
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**Inservice Inspection Plan for Interval 3 Outage 7**

ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DI/THK	CAL BLOCKS	COMMENTS
<b>**** Nozzle-to-Vessel Welds ****</b>								
B03.090.001	3-RPV-WR13 Circumferential	ISI-OCN3-001 OM-2201-227 B&W149907E	ISI-138	UT	CS	60.000 12.000	40390	Reactor Vessel X-Outlet Nozzle Pc. 19 to Pc. 86 & 87. UT from Vessel ID. Nozzle to To Up/Lwr Shell Forging
B03.090.001A	3-RPV-WR13 Circumferential	ISI-OCN3-001 OM-2201-227 B&W149907E	ISI-138	UT	CS	60.000 12.000	50304	Reactor Vessel X-Outlet Nozzle Pc. 19 to Upper Shell Pc. 86 & 87. UT from Nozzle ID. Note: For inspection in Outage 1, see Request for Relief ONS-006. Nozzle to To Up/Lwr Shell Forging
B03.090.002	3-RPV-WR13A Circumferential	ISI-OCN3-001 OM-2201-227 B&W149907E	ISI-138	UT	CS	60.000 12.000	40390	Reactor Vessel Z-Outlet Nozzle Pc. 19 to 86 & 87. UT from Vessel ID. Nozzle to To Up/Lwr Shell Forging
B03.090.002A	3-RPV-WR13A Circumferential	ISI-OCN3-001 OM-2201-227 B&W149907E	ISI-138	UT	CS	60.000 12.000	50304	Reactor Vessel Z-Outlet Nozzle Pc. 19 to 86 & 87. UT from Nozzle ID. For Inspection in Outage 1, see Request for Relief ONS-006 Nozzle to To Up/Lwr Shell Forging
B03.090.003	3-RPV-WR12 Circumferential	ISI-OCN3-001 OM-2201-227 B&W149908E	ISI-138	UT	CS	48.000 12.000	40390	Reactor Vessel W-X Inlet Nozzle Pc. 18 to Upper Shell 86 & 87. UT from Vessel ID. Nozzle to To Up/Lwr Shell Forging
B03.090.003A	3-RPV-WR12 Circumferential	ISI-OCN3-001 OM-2201-227 B&W149908E	ISI-138	UT	CS	48.000 12.000	40390	Reactor Vessel W-X Inlet Nozzle Pc. 18 to Upper Shell Pc. 86 & 87. UT from Nozzle ID. Nozzle to To Up/Lwr Shell Forging
B03.090.004	3-RPV-WR12A Circumferential	ISI-OCN3-001 OM-2201-227 B&W149908E	ISI-138	UT	CS	48.000 12.000	40390	Reactor Vessel X-Y Inlet Nozzle Pc. 18 to Upper Shell 86 & 87. UT from Vessel ID. Nozzle to To Up/Lwr Shell Forging
B03.090.004A	3-RPV-WR12A Circumferential	ISI-OCN3-001 OM-2201-227 B&W149908E	ISI-138	UT	CS	48.000 12.000	40390	Reactor Vessel X-Y Inlet Nozzle Pc. 18 to Upper Shell 86 & 87. UT from Nozzle ID. Nozzle to To Up/Lwr Shell Forging
B03.090.005	3-RPV-WR12B Circumferential	ISI-OCN3-001 OM-2201-227 B&W149908E	ISI-138	UT	CS	48.000 12.000	40390	Reactor Vessel Y-Z Inlet Nozzle Pc. 18 to Upper Shell 86 & 87. UT from Vessel ID. Nozzle to To Up/Lwr Shell Forging
B03.090.005A	3-RPV-WR12B Circumferential	ISI-OCN3-001 OM-2201-227 B&W149908E	ISI-138	UT	CS	48.000 12.000	40390	Reactor Vessel X-Y Inlet Nozzle Pc. 18 to Upper Shell 86 & 87. UT from Nozzle ID. Nozzle to To Up/Lwr Shell Forging

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

**Reactor Vessel**

DUKE POWER COMPANY  
QUALITY ASSURANCE TECHNICAL SERVICES  
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**Inservice Inspection Plan for Interval 3 Outage 7**

ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
B03.090.006	3-RPV-WR12C Circumferential	ISI-OCN3-001 OM-2201-227 B&W149908E	ISI-138	UT	CS	48.000 12.000	40390	Reactor Vessel Z-W Inlet Nozzle Pc. 18 to Upper Shell 86 & 87. UT from Vessel ID. Nozzle to To Up/Lwr Shell Forging
B03.090.006A	3-RPV-WR12C Circumferential	ISI-OCN3-001 OM-2201-227 B&W149908E	ISI-138	UT	CS	48.000 12.000	40390	Reactor Vessel Z-W Inlet Nozzle Pc. 18 to Upper Shell 86 & 87. UT from Nozzle ID. Nozzle to To Up/Lwr Shell Forging
B03.090.007	3-RPV-WR54 Circumferential	ISI-OCN3-001 OM-2201-227	ISI-138	UT	CS	25.000 12.000	40390	Reactor Vessel Core Flood Nozzle W-Axis Pc. 17 to Upper Shell 86. UT from Vessel ID. Nozzle to To Upper Shell Forging
B03.090.007A	3-RPV-WR54 Circumferential	ISI-OCN3-001 OM-2201-227	ISI-138	UT	CS	25.000 12.000	40390	Reactor Vessel Core Flood Nozzle W-Axis Pc. 17 to Upper Shell 86. UT from Nozzle ID. Nozzle to To Upper Shell Forging
B03.090.008	3-RPV-WR54A Circumferential	ISI-OCN3-001 OM-2201-227	ISI-138	UT	CS	25.000 12.000	40390	Core Flood Nozzle Y-Axis Pc. 17 to Upper Shell Pc. 86. UT from Vessel ID. Nozzle to To Upper Shell Forging
B03.090.008A	3-RPV-WR54A Circumferential	ISI-OCN3-001 OM-2201-227	ISI-138	UT	CS	25.000 12.000	40390	Core Flood Nozzle Y-Axis Pc. 17 to Upper Shell Pc. 86. UT from Nozzle ID. Nozzle to To Upper Shell Forging

**Total B03.090 Items: 16**



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

**Reactor Vessel**

**DUKE POWER COMPANY  
QUALITY ASSURANCE TECHNICAL SERVICES  
Inservice Inspection Database Management System  
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ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIATHK	CAL BLOCKS	COMMENTS
<b>---- Nozzle inside Radius Section ----</b>								
B03.100.001	3-RPV-WR13 Circumferential	ISI-OCN3-001 OM-2201-227 B&W149907E	ISI-138	UT	CS	60.000	50304 12.000	Reactor Vessel X-Outlet Nozzle Pc. 19 to Pc. 86 & Pc. 87. UT from Nozzle ID.(Inside Radius Section) Note: For inspection in Outage 1 , see Request for Relief ONS-006.
B03.100.002	3-RPV-WR13A Circumferential	ISI-OCN3-001 OM-2201-227 B&W149907E	ISI-138	UT	CS	60.000	50304 12.000	Reactor Vessel Z-Outlet Nozzle Pc. 19 to Pc. 86 & Pc. 87. UT from Nozzle ID.(Inside Radius Section) Note: For inspection in Outage 1, see Request for Relief ONS-006.
B03.100.003	3-RPV-WR12 Circumferential	ISI-OCN3-001 OM-2201-227 B&W149908E	ISI-138	UT	CS	48.000	50304 12.000	Reactor Vessel W-X Inlet Nozzle Pc. 18. UT from Nozzle ID.(Inside Radius Section).
B03.100.004	3-RPV-WR12A Circumferential	ISI-OCN3-001 OM-2201-227 B&W149908E	ISI-138	UT	CS	48.000	40390 12.000	Reactor Vessel X-Y Inlet Nozzle Pc. 18. UT from Nozzle ID.(Inside Radius Section).
B03.100.005	3-RPV-WR12B Circumferential	ISI-OCN3-001 OM-2201-227 B&W149908E	ISI-138	UT	CS	48.000	40390 12.000	Reactor Vessel Y-Z Inlet Nozzle Pc. 18. UT from Nozzle ID.(Inside Radius Section).
B03.100.006	3-RPV-WR12C Circumferential	ISI-OCN3-001 OM-2201-227 B&W149908E	ISI-138	UT	CS	48.000	40390 12.000	Reactor Vessel Z-W Inlet Nozzle Pc. 18. UT from Nozzle ID.(Inside Radius Section).
B03.100.007	3-RPV-WR54 Circumferential	ISI-OCN3-001 OM-2201-227	ISI-138	UT	CS	25.000	40390 12.000	Core Flood Nozzle W-Axis Pc. 17 to Pc. 86. UT from Nozzle ID. (Inside Radius Section).
B03.100.008	3-RPV-WR54A Circumferential	ISI-OCN3-001 OM-2201-227	ISI-138	UT	CS	25.000	40390 12.000	Reactor Vessel Core Flood Nozzle Y-Axis Pc. 17 to Pc. 86. UT from Nozzle ID. (Inside Radius Section).
<b>Total B03.100 Items:</b>		<b>8</b>						

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

**Pressurizer**

DUKE POWER COMPANY  
QUALITY ASSURANCE TECHNICAL SERVICES  
Inservice Inspection Database Management System  
Oconee Unit 3  
**Inservice Inspection Plan for Interval 3 Outage 7**

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ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
<b>.... Nozzle-to-Vessel Welds ....</b>								
B03.110.009	3-PZR-WP26-1 Circumferential	ISI-OCN3-002 OM-2201-229 B 7W149789E	NDE-620 NDE-640	UT	CS	5.750 6.187	40395	Pressurizer Sensing Nozzle Pc. 30 to Shell Pc. 4 Between W & X Axis.
B03.110.010	3-PZR-WP26-2 Circumferential	ISI-OCN3-002 OM-2201-229 B 7W149789E	NDE-620 NDE-640	UT	CS	5.750 6.187	40395	Pressurizer Sensing Nozzle Pc. 30 to Shell Pc. 4 Between Y & Z Axis.
B03.110.011	3-PZR-WP26-3 Circumferential	ISI-OCN3-002 OM-2201-229 B 7W149789E	NDE-620 NDE-640	UT	CS	5.750 6.187	40395	Pressurizer Sensing Nozzle Pc.30 to Shell Pc. 4 (47 Degrees Off W-Axis).
B03.110.012	3-PZR-WP26-7 Circumferential	ISI-OCN3-002 OM-2201-229 B 7W149789E	NDE-620 NDE-640	UT	CS	5.750 6.187	40395	Pressurizer Sensing Nozzle Pc. 30 to Shell Pc. 4 (40 Degrees off W-Axis).
<b>Total B03.110 Items:</b>		<b>4</b>						

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

**Pressurizer**

DUKE POWER COMPANY  
QUALITY ASSURANCE TECHNICAL SERVICES  
Inservice Inspection Database Management System  
Oconee Unit 3

Inservice Inspection Plan for Interval 3 Outage 7

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ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
<b>---- Nozzle Inside Radius Section ----</b>								
B03.120.009	3-PZR-WP26-1	ISI-OCN3-002 OM-2201-229 B 7W149789E	NDE-680	UT	CS	0.000	40394 4.750	Pressurizer Sensing Nozzle Pc. 30. Between W & X Axis (Inside Radius Section).
				Nozzle to Shell				
B03.120.010	3-PZR-WP26-2	ISI-OCN3-002 OM-2201-229 B 7W149789E	NDE-680	UT	CS	0.000	40394 4.750	Pressurizer Sensing Nozzle Pc. 30. Between Y & Z Axis (Inside Radius Section).
				Nozzle to Shell				
B03.120.011	3-PZR-WP26-3	ISI-OCN3-002 OM-2201-229 B 7W149789E	NDE-680	UT	CS	0.000	40394 4.750	Pressurizer Sensing Nozzle Pc. 30. 47 Degrees off W-Axis (Inside Radius Section).
				Nozzle to Shell				
B03.120.012	3-PZR-WP26-7	ISI-OCN3-002 OM-2201-229 B 7W149789E	NDE-680	UT	CS	0.000	40394 4.750	Pressurizer Sampling Nozzle Pc. 30. 40 Degrees off W-Axis (Inside Radius Section).
				Nozzle to Shell				
<b>Total B03.120 Items:</b>		<b>4</b>						

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

**Heat Exchangers (Primary Side)**

DUKE POWER COMPANY  
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ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
<b>.... Nozzle-to-Vessel Welds ....</b>								
B03.150.003	3-LDCB-IN-V1 Circumferential	1-44773-1 OM-201-3107 OFD-101A-3.1	NDE-630	UT	SS	3.000 0.875	40411	LDC-3B Tubeside Inlet Nozzle Pc. 5 to Channel Head Pc. 3. Nozzle to Channel Body
B03.150.004	3-LDCB-OUT-V2 Circumferential	1-44773-1 OM-201-3107 OFD-101A-3.1	NDE-630	UT	SS	3.000 0.875	40411	LDC-3B Tubeside Outlet Nozzle Pc. 5 to Channel Head Pc. 3. Nozzle to Channel Body
<b>Total B03.150 Items:</b>		<b>2</b>						

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

**Heat Exchangers (Primary Side)**

DUKE POWER COMPANY  
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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 ****								
B03.160.003	3-LDCB-IN-V1	1-44773-1 OM-201-3107 OFD-101A-3.1	NDE-630	UT	SS	3.000 0.875	40411	LDC-3B Tubeside Inlet Nozzle Pc. 5 to Channel Head Pc. 3. (Inside Radius Section) Reference Request for Relief ONS-009.
				Nozzle to	Channel Body			
B03.160.004	3-LDCB-OUT-V2	1-44773-1 OM-201-3107 OFD-101A-3.1	NDE-630	UT	SS	3.000 0.875	40411	LDC-3B Tubeside Outlet Nozzle Pc. 5 to Channel Head Pc. 3. (Inside Radius Section) Reference Request for Relief ONS-009.
				Nozzle to	Channel Body			

Total B03.160 Items: 2

Total Category B-D Items: 36

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

Reactor Vessel

DUKE POWER COMPANY  
QUALITY ASSURANCE TECHNICAL SERVICES  
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ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
**** NPS 4 or larger; Nozzle-to-Safe End Butt Welds ****								
B05.010.001	3-RPV-WR53 Circumferential	ISI-OCN3-001 OM-2201-96 O-2479A	NDE-35	PT	SS/CS	15.630 1.688		A Side Core Flood Nozzle SE; W-Axis; See Request for Relief ONS-001;( inspection scheduled for outage 1 is to meet second interval requirements)
							Nozzle (Core Flood Noz) to Safe End	
B05.010.001A	3-RPV-WR53 Circumferential	ISI-OCN3-001 OM-2201-96 O-2479A	ISI-138	UT	SS/CS	15.630 40388 1.688		A Side Core Flood Nozzle SE weld; W-Axis; Ut from nozzle side.
							Nozzle (Core Flood Noz) to Safe End	
B05.010.001B	3-RPV-WR53 Circumferential	ISI-OCN3-001 OM-2201-96 O-2479A	ISI-138	UT	SS/CS	15.630 40389 1.688		A Side Core Flood Nozzle SE weld; W-Axis; Ut from safe-end side.
							Nozzle (Core Flood Noz) to Safe End	
B05.010.002	3-RPV-WR53A Circumferential	ISI-OCN3-001 OM-2201-96 O-2479A	NDE-35	PT	SS/CS	15.630 1.688		B Side Core Flood Nozzle SE weld; Y-Axis; See Request for Relief ONS-001;( inspection scheduled for outage 1 is to meet second interval requirements)
							Nozzle (Core Flood Noz) to Safe End	
B05.010.002A	3-RPV-WR53A Circumferential	ISI-OCN3-001 OM-2201-96 O-2479A	ISI-138	UT	SS/CS	15.630 40388 1.688		B Side Core Flood Nozzle SE weld; Y-Axis; Ut from nozzle side.
							Nozzle (Core Flood Noz) to Safe End	
B05.010.002B	3-RPV-WR53A Circumferential	ISI-OCN3-001 OM-2201-96 O-2479A	ISI-138	UT	SS/CS	15.630 40389 1.688		A Side Core Flood Nozzle SE weld; W-Axis; Ut from safe-end side.
							Nozzle (Core Flood Noz) to Safe End	
<b>Total B05.010 Items:</b>		<b>6</b>						

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

**Piping**

DUKE POWER COMPANY  
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ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
<b>---- NPS 4 or Larger; Dissimilar Metal Butt Welds ----</b>								
B05.130.010	3-PDB1-2	ISI-OCN3-013 OFD-100A-3.1	NDE-610	UT	SS/CS	33.500	40350 2.330	Safe End to Elbow
B05.130.010A	3-PDB1-2	ISI-OCN3-013 OFD-100A-3.1	NDE-35	PT	SS/CS	33.500	2.330	Safe End to Elbow
B05.130.011	3-PDB2-2	ISI-OCN3-014 OFD-100A-3.1	NDE-610	UT	SS/CS	33.500	40350 2.330	Safe End to Elbow
B05.130.011A	3-PDB2-2	ISI-OCN3-014 OFD-100A-3.1	NDE-35	PT	SS/CS	33.500	2.330	Safe End to Elbow
<b>Total B05.130 Items:</b>		<b>4</b>						

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

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Piping

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

B05.140.003	3-50-21-23 Circumferential	3-50-21 OFD-100A-3.1	NDE-35	PT	SS/Inconel	1.500 0.281		Elbow to Nozzle
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Total B05.140 Items: 1

Total Category B-F Items: 11



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

**Pressurizer**

DUKE POWER COMPANY  
QUALITY ASSURANCE TECHNICAL SERVICES  
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ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIATHK	CAL BLOCKS	COMMENTS
**** Flange Surface, when connection disassembled ****								
D06.070.001	3PZR-MW-FLANGE	25483F B&W 149793E	QAL-13	VT-1	CS	0.000 0.000		PZR Manway Flange Surface;Includes 1"Annular Surface surrounding each stud.Inspect when connection is disassembled.

Total B06.070 Items: 1

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

DUKE POWER COMPANY  
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**Inservice Inspection Plan for Interval 3 Outage 7**

Pumps

ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIATHK	CAL BLOCKS	COMMENTS
<b>**** Bolts and Studs ****</b>								
B06.180.003	3RCP-3B1-F	OM-1201D-0057 OM-1201D-0059	NDE-942	UT	CS	3.750 0.000	TBD	RCP 3B1 Main Flange Studs (20). Stud Length=32.00"
B06.180.004	3RCP-3B2-F	OM-1201D-0057 OM-1201D-0059	NDE-942	UT	CS	3.750 0.000	TBD	RCP 3B2 Main Flange Studs (20). Stud Length=32.00"
<b>Total B06.180 Items:</b>		<b>2</b>						

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

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Pumps

ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIATHK	CAL	BLOCKS	COMMENTS
**** Flange Surface, when connection disassembled ****									
B06.190.001	3RCP-3A1-FLANGE	OM-1201D-0005 OM-1201D-0057	QAL-13	VT-1	SS	0.000 0.000			RCP 3A1 Main Flange 1" Annular Surface of Flange Surrounding each Stud.(insp. only if disass.)
B06.190.002	3RCP-3A2-FLANGE	OM-1201D-0005 OM-1201D-0057	QAL-13	VT-1	SS	0.000 0.000			RCP 3A2 Main Flange 1" Annular Surface of Flange Surrounding each Stud.(insp. only if disass.)
B06.190.003	3RCP-3B1-FLANGE	OM-1201D-0005 OM-1201D-0057	QAL-13	VT-1	SS	0.000 0.000			RCP 3B1 Main Flange 1" Annular Surface of Flange Surrounding each Stud.(insp. only if disass.)
B06.190.004	3RCP-3B2-FLANGE	OM-1201D-0005 OM-1201D-0057	QAL-13	VT-1	SS	0.000 0.000			RCP 3B2 Main Flange 1" Annular Surface of Flange Surrounding each Stud.(insp. only if disass.)
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Total B06.190 Items:		4							

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

DUKE POWER COMPANY  
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**Pumps**

ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
<b>---- Nuts, Bushings, and Washers ----</b>								
B06.200.003	3RCP-3B1-NUTS	OM-1201D-0059 OM-1201D-0057	QAL-13	VT-1	CS	0.000 0.000		RCP 3B1 Main Fig. Nuts,Washers,& Bushings
B06.200.004	3RCP-3B2-NUTS	OM-1201D-0059 OM-1201D-0057	QAL-13	VT-1	CS	0.000 0.000		RCP 3B2 Main Fig. Nuts,Washers,& Bushings
<b>Total B06.200 Items:</b>		<b>2</b>						
<b>Total Category B-G-1 Items:</b>		<b>9</b>						

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

DUKE POWER COMPANY  
QUALITY ASSURANCE TECHNICAL SERVICES  
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**Inservice Inspection Plan for Interval 3 Outage 7**

Valves

ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
**** Bolts, Studs, and Nuts ****								
B07.070.011	3-50-RC4	OM-2245-086	QAL-13	VT-1	NA	0.000 0.000		Pressurizer Relief Valve 3-RC4 Bolting
B07.070.018	3-50-LP131	OM-245-1085	QAL-13	VT-1	NA	0.000 0.000		Aux Spray Valve 3-LP131 Bolting

Total B07.070 Items: 2

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

**CRD Housings**

DUKE POWER COMPANY  
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ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
<b>---- Bolts, Studs, and Nuts ----</b>								
B07.080.001	3-RPV-CRD-BOLTS	B&W 149902E B&W 149919E	QAL-13	VT-1	NA	0.000 0.000		Inspect Only If Disassembled; See Request for Relief ONS-004 & ONS-005; 8 bolts per CRD Housing; (14 Connections inspected up to this Date)
B07.080.002	3-RPV-CRD-RINGS	B&W 149902E B&W 149919E	QAL-13	VT-1	NA	0.000 0.000		Inspect Only If Disassembled; See Request for Relief ONS-004 & ONS-005; 1 Pair per CRD Housing; (14 Connections inspected up to this date)

Total B07.080 Items: 2

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Total Category B-G-2 Items: 4

**CATEGORY B-J, Pressure Retaining Welds  
In Piping**

**NPS 4 or Larger**

DUKE POWER COMPANY  
QUALITY ASSURANCE TECHNICAL SERVICES  
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**Inservice Inspection Plan for Interval 3 Outage 7**

ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
<b>---- Circumferential Welds ----</b>								
B09.011.001	3-PHA-1 Circumferential Term end	ISI-OCN3-005 OFD-100A-3.1	NDE-600 ISI-138	UT	CS	42.750 2.856	40350	For inspection in Outage 1, see Request for Relief ONS-006  Nozzle (R V Nozzle) to Pipe
B09.011.001A	3-PHA-1 Circumferential Term end	ISI-OCN3-005 OFD-100A-3.1	NDE-25	MT	CS	42.750 2.856		Before inspecting this weld see Request for Relief ONS-002.  Nozzle (R V Nozzle) to Pipe
B09.011.003	3-PHB-1 Circumferential Term end	ISI-OCN3-006 OFD-100A-3.1	NDE-600 ISI-138	UT	CS	42.750 2.856	40350	For inspection in Outage 1, see Request for Relief ONS-006  Nozzle (Reactor Vessel Nozzle) to Pipe
B09.011.003A	3-PHB-1 Circumferential Term end	ISI-OCN3-006 OFD-100A-3.1	NDE-25	MT	CS	42.750 2.856		Before inspecting this weld see Request for Relief ONS-002.  Nozzle (Reactor Vessel Nozzle) to Pipe
B09.011.018	3-PDA1-8 Circumferential Term end	ISI-OCN3-011 OFD-100A-3.1	NDE-600 ISI-138	UT	CS	33.500 2.330	40350	Note: This weld was inspected by aris in second interval.  Pipe to Nozzle (Reactor Vessel Nozzle)
B09.011.018A	3-PDA1-8 Circumferential Term end	ISI-OCN3-011 OFD-100A-3.1	NDE-25	MT	CS	33.500 2.330		Before inspecting this weld see Request for Relief ONS-002.  Pipe to Nozzle (Reactor Vessel Nozzle)
B09.011.020	3-PDA2-8 Circumferential Term end	ISI-OCN3-012 OFD-100A-3.1	NDE-600 ISI-138	UT	CS	33.500 2.330	40350	Note: This weld was inspected by aris in second interval.  Pipe to Nozzle (Reactor Vessel Nozzle)
B09.011.020A	3-PDA2-8 Circumferential Term end	ISI-OCN3-012 OFD-100A-3.1	NDE-25	MT	CS	33.500 2.330		Before inspecting this weld see Request for Relief ONS-002.  Pipe to Nozzle (Reactor Vessel Nozzle)
B09.011.022	3-PDB1-8 Circumferential Term end	ISI-OCN3-013 OFD-100A-3.1	NDE-600 ISI-138	UT	CS	33.500 2.330	40350	Note: This weld was inspected by aris in second interval.  Pipe to Nozzle (Reactor Vessel Nozzle)
B09.011.022A	3-PDB1-8 Circumferential Term end	ISI-OCN3-013 OFD-100A-3.1	NDE-25	MT	CS	33.500 2.330		Before inspecting this weld see Request for Relief ONS-002.  Pipe to Nozzle (Reactor Vessel Nozzle)

**CATEGORY B-J, Pressure Retaining Welds**

**In Piping**

**NPS 4 or Larger**

DUKE POWER COMPANY  
 QUALITY ASSURANCE TECHNICAL SERVICES  
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B09.011.024	3-PDB2-8	ISI-OCN3-014 OFD-100A-3.1	NDE-600 ISI-138	UT	CS	33.500 2.330	40350	Note: This weld was inspected by aris in second interval.  Pipe to Nozzle (Reactor Vessel Nozzle)
B09.011.024A	3-PDB2-8	ISI-OCN3-014 OFD-100A-3.1	NDE-25	MT	CS	33.500 2.330		Before inspecting this weld see Request for Relief ONS-002.  Pipe to Nozzle (Reactor Vessel Nozzle)
B09.011.026	3-PSL-2	ISI-OCN3-015 OFD-100A-3.2	NDE-600	UT	SS	10.000 1.000	40399	Elbow to Pipe
B09.011.026A	3-PSL-2	ISI-OCN3-015 OFD-100A-3.2	NDE-35	PT	SS	10.000 1.000		Elbow to Pipe
B09.011.028	3-PSL-4	ISI-OCN3-015 OFD-100A-3.2	NDE-600	UT	SS	10.000 1.000	40399	Elbow to Pipe
B09.011.028A	3-PSL-4	ISI-OCN3-015 OFD-100A-3.2	NDE-35	PT	SS	10.000 1.000		Elbow to Pipe
B09.011.029	3-PSL-5	ISI-OCN3-015 OFD-100A-3.2	NDE-600	UT	SS	10.000 1.000	40399	Pipe to Pipe
B09.011.029A	3-PSL-5	ISI-OCN3-015 OFD-100A-3.2	NDE-35	PT	SS	10.000 1.000		Pipe to Pipe
B09.011.031	3-PSL-7	ISI-OCN3-015 OFD-100A-3.2	NDE-600	UT	SS	10.000 1.000	40399	Elbow to Pipe
B09.011.031A	3-PSL-7	ISI-OCN3-015 OFD-100A-3.2	NDE-35	PT	SS	10.000 1.000		Elbow to Pipe



**CATEGORY B-J, Pressure Retaining Welds  
In Piping**

**NPS 4 or Larger**

DUKE POWER COMPANY  
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**Inservice Inspection Plan for Interval 3 Outage 7**

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B09.011.040	3-53A-15-44	3-53A-15 (1) OFD-102A-3.3	NDE-600	UT	SS	14.000 1.250	40389	Pipe to Nozzle (Core Flood Noz Safe End)
B09.011.040A	3-53A-15-44	3-53A-15 (1) OFD-102A-3.3	NDE-35	PT	SS	14.000 1.250		Note: Inspection scheduled for outage 1 is to meet the requirements for second interval. See request for relief ONS-001 Pipe to Nozzle (Core Flood Noz Safe End)
B09.011.045	3-53A-16-1	3-53A-16 OFD-102A-3.3	NDE-600	UT	SS	14.000 1.250	40389	Pipe to Nozzle (Core Flood Noz Safe End)
B09.011.045A	3-53A-16-1	3-53A-16 OFD-102A-3.3	NDE-35	PT	SS	14.000 1.250		Note: Inspection scheduled for outage 1 is to meet the requirements for second interval. See request for relief ONS-001 Pipe to Nozzle (Core Flood Noz Safe End)
B09.011.052	3-53A-18-6	3-53A-18 OFD-102A-3.1	NDE-600	UT	SS	12.000 1.125	40413	Pipe to Elbow
B09.011.052A	3-53A-18-6	3-53A-18 OFD-102A-3.1	NDE-35	PT	SS	12.000 1.125		Pipe to Elbow
B09.011.053	3-53A-18-8	3-53A-18 OFD-102A-3.1	NDE-600	UT	SS	12.000 1.125	40413	Pipe to Elbow
B09.011.053A	3-53A-18-8	3-53A-18 OFD-102A-3.1	NDE-35	PT	SS	12.000 1.125		Pipe to Elbow

**Total B09.011 Items: 28**

**CATEGORY B-J, Pressure Retaining Welds**

**In Piping**

**Less Than NPS 4**

DUKE POWER COMPANY  
 QUALITY ASSURANCE TECHNICAL SERVICES  
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ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
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\*\*\*\* Circumferential Welds \*\*\*\*

B09.021.003	3-50-21-23A Circumferential	3-50-21 OFD-100A-3.1	NDE-35	PT	SS	1.500 0.281		Elbow to Pipe
B09.021.014	3-PSP-4 Circumferential Stress weld	ISI-OCN3-016 OFD-100A-3.2	NDE-35	PT	SS	2.500 0.375		Reducer to Pipe
B09.021.016	3-PSP-6 Circumferential Stress weld	ISI-OCN3-016 OFD-100A-3.2	NDE-35	PT	SS	2.500 0.375		Elbow to Tee
B09.021.028	3-51A-61-25 Circumferential	3-51A-61 OFD-101A-3.4	NDE-35	PT	SS	2.500 0.375		Pipe to Elbow
B09.021.029	3-51A-61-27 Circumferential	3-51A-61 OFD-101A-3.4	NDE-35	PT	SS	2.500 0.375		Pipe to Flange
B09.021.030	3-51A-61-37A Circumferential	3-51A-61 OFD-101A-3.4	NDE-35	PT	SS	2.500 0.375		Pipe to Elbow
B09.021.031	3-51A-61-38A Circumferential	3-51A-61 OFD-101A-3.4	NDE-35	PT	SS	2.500 0.375		Elbow to Pipe
B09.021.047	3-51A-64-11 Circumferential	3-51A-64 OFD-101A-3.4	NDE-35	PT	SS	2.500 0.375		Pipe to Flange
B09.021.048	3-51A-64-23A Circumferential	3-51A-64 OFD-101A-3.4	NDE-35	PT	SS	2.500 0.375		Valve (Valve 3HP-126) to Pipe
B09.021.049	3-51A-64-24A Circumferential	3-51A-64 OFD-101A-3.4	NDE-35	PT	SS	2.500 0.375		Pipe to Pipe

**CATEGORY B-J, Pressure Retaining Welds**

**In Piping**

**Less Than NPS 4**

DUKE POWER COMPANY  
QUALITY ASSURANCE TECHNICAL SERVICES  
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ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
B09.021.050	3-51A-64-24B	3-51A-64 OFD-101A-3.4	NDE-35	PT	SS	2.500 0.375		Pipe to Nozzle (Nozzle On 3A2 Disch Line)
<b>Total B09.021 Items:</b>		<b>11</b>						

**CATEGORY B-J, Pressure Retaining Welds**

**In Piping**

**Branch Pipe Connection Welds**

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ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
<b>**** Less Than NPS 4 ****</b>								
B09.032.008	3-PDB2-10	ISI-OCN3-014 OFD-100A-3.1	NDE-25	MT	CS	12.000 2.250		NPS of the HPI Nozzle = 2.5 inch Diameter & .375 Thickness Pipe to Nozzle (HPI Nozzle)
<b>Total B09.032 Items:</b>		<b>1</b>						

**CATEGORY B-J, Pressure Retaining Welds**

**In Piping**

**Socket Welds**

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ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
B09.040.006	3-50-152-7	3-50-152 OFD-100A-3.2	NDE-35	PT	SS	1.500 0.281		Elbow to Pipe

Total B09.040 Items: 1

Total Category B-J Items: 41

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

DUKE POWER COMPANY  
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**Inservice Inspection Plan for Interval 3 Outage 7**

**Pumps**

ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
<b>.... Pump Casing Welds ....</b>								
B12.010.001	3RCP-3A1	ISI-OCN3-007 OM-1201D-0057 OM-1201D-0005	NDE-12	RT	SS	68.000 0.000		Reactor Coolant Pump 3A1 Casing Weld. (Inspect only if disassembled for maintenance purposes, repair, ect.)
				Casing to Casing				
B12.010.002	3RCP-3A2	ISI-OCN3-008 OM-1201D-0057 OM-1201D-0005	NDE-12	RT	SS	0.000 6.500		Reactor Coolant Pump 3A2 Casing Weld. (Inspect only if disassembled for maintenance purposes, repair, ect.)
				Casing to Casing				
B12.010.003	3RCP-3B1	ISI-OCN3-009 OM-1201D-0057 OM-1201D-0005	NDE-12	RT	SS	0.000 6.500		Reactor Coolant Pump 3B1 Casing Weld. (Inspect only if disassembled for maintenance purposes, repair, ect.) See Request for Relief ONS-008
				Casing to Casing				
B12.010.004	3RCP-3B2	ISI-OCN3-010 OM-1201D-0057 OM-1201D-0005	NDE-12	RT	SS	0.000 6.500		Reactor Coolant Pump 3B2 Casing Weld. (Inspect only if disassembled for maintenance purposes, repair, ect.)
				Casing to Casing				
<b>Total B12.010 Items:</b>		<b>4</b>						

**CATEGORY B-L-2, Pump Casings**

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**Pumps**

ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
<b>.... Pump Casing ....</b>								
B12.020.001	3RCP-3A1-CASING	ISI-OCN3-007 OM-1201D-0057 OM-1201D-0005	QAL-14	VT-3	SS	0.000 0.000		Reactor Coolant Pump 3A1 Casing Internal Surfaces.(Inspect only if disassembled for maintenance purposes, repair,ect.) Casing Internal Surfaces to Other
B12.020.002	3RCP-3A2-CASING	ISI-OCN3-008 OM-1201D-0057 OM-1201D-0005	QAL-14	VT-3	SS	0.000 0.000		Reactor Coolant Pump 3A2 Casing Internal Surfaces.(Inspect only if disassembled for maintenance purposes, repair,ect.) Casing Internal Surfaces to Other
B12.020.003	3RCP-3B1-CASING	ISI-OCN3-009 OM-1201D-0057 OM-1201D-0005	QAL-14	VT-3	SS	0.000 0.000		Reactor Coolant Pump 3B1 Casing Internal Surfaces.(Inspect only if disassembled for maintenance purposes, repair,ect.) Casing Internal Surfaces to Other
B12.020.004	3RCP-3B2-CASING	ISI-OCN3-010 OM-1201D-0057 OM-1201D-0005	QAL-14	VT-3	SS	0.000 0.000		Reactor Coolant Pump 3B2 Casing Internal Surfaces.(Inspect only if disassembled for maintenance purposes, repair,ect.) Casing Internal Surfaces to Other
<b>Total B12.020 Items:</b>		<b>4</b>						

**CATEGORY B-M-2, Valve Bodies**

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**Valves**

**Inservice Inspection Plan for Interval 3 Outage 7**

ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL	BLOCKS	COMMENTS
<b>.... Valve Body, Exceeding NPS 4 ....</b>									
B12.050.001	3-53A-CF-11	OM-245-001 OFD-102A-3.3	QAL-14	VT-3	NA	14.000	0.000	0.000	A-Side Core Flood (W-Axis); Valve Body Internal Surfaces-Valve 3CF-11; (Inspect only if valve is disassembled for maintenance purposes, valve repair,ect.)
B12.050.002	3-53A-CF-12	OM-245-001 OFD-102A-3.3	QAL-14	VT-3	NA	14.000	0.000	0.000	A-Side Core Flood (W-Axis); Valve Body Internal Surfaces-Valve 3CF-12; (Inspect only if valve is disassembled for maintenance purposes, valve repair,ect.)
B12.050.003	3-53A-CF-13	OM-245-001 OFD-102A-3.3	QAL-14	VT-3	NA	14.000	0.000	0.000	B-Side Core Flood (W-Axis); Valve Body Internal Surfaces-Valve 3CF-13; (Inspect only if valve is disassembled for maintenance purposes, valve repair,ect.)
B12.050.004	3-53A-CF-14	OM-245-001 OFD-102A-3.3	QAL-14	VT-3	NA	14.000	0.000	0.000	B-Side Core Flood (W-Axis); Valve Body Internal Surfaces-Valve 3CF-14; (Inspect only if valve is disassembled for maintenance purposes, valve repair,ect.)
B12.050.005	3-53A-LP-47	OM-245-001 OFD-102A-3.2	QAL-14	VT-3	NA	14.000	0.000	0.000	B-Side LPI Valve Body Surfaces-Valve 3LP-47; (Inspect only if valve is disassembled for maintenance purposes, valve repair,ect.)
B12.050.006	3-53A-LP-48	OM-245-001 OFD-102A-3.2	QAL-14	VT-3	NA	10.000	0.000	0.000	B-Side LPI Valve Body Surfaces-Valve 3LP-48; (Inspect only if valve is disassembled for maintenance purposes, valve repair,ect.)
B12.050.007	3-53A-LP-1	OM-201-165 OFD-102A-3.1	QAL-14	VT-3	NA	12.000	0.000	0.000	B-Side LPI Valve Body Surfaces-Valve 3LP-1; (Inspect only if valve is disassembled for maintenance purposes, valve repair,ect.)
B12.050.008	3-53A-LP-2	OM-201-165 OFD-102A-3.1	QAL-14	VT-3	NA	12.000	0.000	0.000	B-Side LPI Valve Body Surfaces-Valve 3LP-48; (Inspect only if valve is disassembled for maintenance purposes, valve repair,ect.)

Total B12.050 Items: 8

Total Category B-M-2 Items: 16



CATEGORY B-N-1, Interior of Reactor

Vessel

Reactor Vessel

DUKE POWER COMPANY  
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ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
**** Vessel Interior ****								
B13.010.001	3RPV-INT SUR	ISI-OCN3-001	QAL-14	VT-3	SS	0.000 0.000		Interior Surfaces of Vessel, use Procedure ISI-354 also

Total B13.010 Items: 1

CATEGORY B-N-3, Removable Core  
Support Structures

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Reactor Vessel (PWR)

ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
---- Core Support Structure ----								
B13.070.001	3RPV-INTERNALS	ISI-OCN3-001 OM-2201-225	QAL-14	VT-3	SS	0.000 0.000		Core Support Structures Welds, Bolting, & Surfaces

Total B13.070 Items: 1

Total Category B-N-3 Items: 2

**CATEGORY C-A, Pressure Retaining Welds  
In Pressure Vessels**

**■ Tubesheet-to-Shell Weld**

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ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
C01.030.003	3LPCB-SH-TUBE Circumferential	B&W 36-43-004-00 OFD 102A-3.2 OM 2201-277	NDE-630	UT	SS	46.000	40385 0.750	LP Cooler B Shell to Tube Sht. Flg.

Total C01.030 Items: 1

Total Category C-A Items: 1

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

Piping

DUKE POWER COMPANY  
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Inservice Inspection Plan for interval 3 Outage 7

ITEM NUMBER	ID NUMBER	ISC/DWG NUMBER	PROC	INSP REQ	MAT/SCH	DIATHK	CAL BLOCKS	COMMENTS
**** Integrally Welded Attachments ****								
C03.020.017	3-14B-H20A Rigid restraint	0-247SA OFD-124B-3.2	NDE-25	MT	CS	8.000 1.500		File No. OSC-1344-06 Page No. 6(2) 38 Problem No. 3-14B-08; System 14B
C03.020.023	3-51A-SR6 Rigid restraint	1-0-2439A OFD-101A-3.4	NDE-35	PT	SS	4.000 1.000		File No. OSC-541 Prob. No. 3-51-4 Page 63 H.P.I. to Reactor Coolant Loop "A"
C03.020.024	3-51B-H62 Mech snubber	3-0-2436G OFD-101A-3.2	NDE-35	PT	SS	4.000 1.062		File No. OSC-539 Prob. No. 3-51-2 Page 145 H.P.I. Pumps 3A,3B,&3C Suction Header
C03.020.026	3-53B-H85 Spring hanger	7-0-2437A OFD-102A-3.1	NDE-35	PT	SS	14.000 0.750		File No. OS-539 Page 143 Problem No. 3-51-2;
Total C03.020 items:		4						

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

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**Inservice Inspection Plan for Interval 3 Outage 7**

**Pumps**

ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
<b>**** Integrally Welded Attachments ****</b>								
C03.030.001	3-HPI-A-SUPPORT	OM 201-1704 OFD-101A-3.3	NDE-35	PT	SS	0.000 2.000		Support for HPI Pump 3A

Total C03.030 Items: 1

Total Category C-C Items: 5

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

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**Inservice Inspection Plan for Interval 3 Outage 7**

**Piping Welds  $\geq$  3/8 In. Nominal Wall Thickness for  
Piping  $>$  NPS 4**

ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
<b>**** Circumferential Weld ****</b>								
C05.011.002	3-53A-15-76	3-53A-15 (2) OFD-102A-3.2 OFD-102A-3.3	NDE-600	UT	SS	10.000	40354 1.125	Pipe to Elbow
C05.011.002A	3-53A-15-76	3-53A-15 (2) OFD-102A-3.2 OFD-102A-3.3	NDE-35	PT	SS	10.000	1.125	Pipe to Elbow
C05.011.003	3-53A-15-77	3-53A-15 (2) OFD-102A-3.2 OFD-102A-3.3	NDE-600	UT	SS	10.000	40354 1.125	Elbow to Pipe
C05.011.003A	3-53A-15-77	3-53A-15 (2) OFD-102A-3.2 OFD-102A-3.3	NDE-35	PT	SS	10.000	1.125	Elbow to Pipe
<b>Total C05.011 Items:</b>		<b>4</b>						

**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

Inservice Inspection Plan for Interval 3 Outage 7

ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
**** Circumferential Weld ****								
C05.021.009	3-51A-118-24	3-51A-118 OFD-101A-3.4	NDE-600	UT	SS	4.000	40406	
	Circumferential					0.531		Elbow to Pipe
C05.021.009A	3-51A-118-24	3-51A-118 OFD-101A-3.4	NDE-35	PT	SS	4.000		
	Circumferential					0.531		Elbow to Pipe
C05.021.018	3-51A-120-20	3-51A-120 OFD-101A-3.4	NDE-600	UT	SS	4.000	40406	
	Circumferential					0.531		Elbow to Pipe
C05.021.018A	3-51A-120-20	3-51A-120 OFD-101A-3.4	NDE-35	PT	SS	4.000		
	Circumferential					0.531		Elbow to Pipe
C05.021.026	3-51A-140-23	3-51A-140 OFD-101A-3.1	NDE-600	UT	SS	2.500	40378	
	Circumferential					0.375		Elbow to Pipe
C05.021.026A	3-51A-140-23	3-51A-140 OFD-101A-3.1	NDE-35	PT	SS	2.500		
	Circumferential Term end					0.375		Elbow to Pipe
C05.021.027	3-51A-141-22	3-51A-141 OFD-101A-3.1	NDE-600	UT	SS	2.500	40378	
	Circumferential					0.375		Reducer to Elbow
C05.021.027A	3-51A-141-22	3-51A-141 OFD-101A-3.1	NDE-35	PT	SS	2.500		
	Circumferential					0.375		Reducer to Elbow
C05.021.036	3-51A-52-34	3-51A-52 OFD-101A-3.3	NDE-600	UT	SS	4.000	40406	
	Circumferential					0.531		Pipe to Tee
C05.021.036A	3-51A-52-34	3-51A-52 OFD-101A-3.3	NDE-35	PT	SS	4.000		
	Circumferential					0.531		Pipe to Tee

**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

**Inservice Inspection Plan for Interval 3 Outage 7**

ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
C05.021.045	3-51A-59-16A Circumferential	3-51A-59 OFD-101A-3.4	NDE-600	UT	SS	4.000 0.674	40406	Elbow to Pipe
C05.021.045A	3-51A-59-16A Circumferential	3-51A-59 OFD-101A-3.4	NDE-35	PT	SS	4.000 0.674		Elbow to Pipe
C05.021.049	3-51A-60-2 Circumferential	3-51A-60 OFD-101A-3.1	NDE-600	UT	SS	2.500 0.552	TBD	Valve (3HP-5) to Pipe
C05.021.049A	3-51A-60-2 Circumferential	3-51A-60 OFD-101A-3.1	NDE-35	PT	SS	2.500 0.552		Valve (3HP-5) to Pipe
C05.021.051	3-51A-63-2 Circumferential	3-51A-63 OFD-101A-3.4	NDE-600	UT	SS	4.000 0.674	40406	Pipe to Valve (Valve 3HP-194)
C05.021.051A	3-51A-63-2 Circumferential	3-51A-63 OFD-101A-3.4	NDE-35	PT	SS	4.000 0.674		Pipe to Valve (Valve 3HP-194)
C05.021.058	3-51A-87-10B Circumferential	3-51A-87 OFD-101A-3.4	NDE-600	UT	SS	4.000 0.531	40406	Pipe to Valve (Valve 3HP-132)
C05.021.058A	3-51A-87-10B Circumferential	3-51A-87 OFD-101A-3.4	NDE-35	PT	SS	4.000 0.531		Pipe to Valve (Valve 3HP-132)
C05.021.059	3-51A-87-11B Circumferential	3-51A-87 OFD-101A-3.4	NDE-600	UT	SS	4.000 0.531	40406	Valve (Valve 3HP-132) to Pipe
C05.021.059A	3-51A-87-11B Circumferential	3-51A-87 OFD-101A-3.4	NDE-35	PT	SS	4.000 0.531		Valve (Valve 3HP-132) to Pipe



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

DUKE POWER COMPANY  
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Piping Welds > 1/5 In. Nom Wall For Piping ≥  
NPS 2 And ≤ NPS 4

**Inservice Inspection Plan for Interval 3 Outage 7**

ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
C05.021.062	3-51A-87-36 Circumferential	3-51A-87 OFD-101A-3.4	NDE-600	UT	SS	4.000	40406 0.531	Pipe to Elbow
C05.021.062A	3-51A-87-36 Circumferential	3-51A-87 OFD-101A-3.4	NDE-35	PT	SS	4.000	0.531	Pipe to Elbow
C05.021.068	3-RCP-FTR3A-SH-1 Circumferential Term end	3-51A-87 OFD-101A-3.4 OM-201-0473-001	NDE-600	UT	SS	4.000	40406 0.531	Flange to RCP 3A Filter
C05.021.068A	3-RCP-FTR3A-SH-1 Circumferential Term end	3-51A-87 OFD-101A-3.4 OM-201-0473-001	NDE-35	PT	SS	4.000	0.531	Flange to RCP 3A Filter
C05.021.069	3-RCP-FTR3A-SH-2 Circumferential Term end	3-51A-87 OFD-101A-3.4 OM-201-0473-001	NDE-600	UT	SS	4.000	40406 0.531	RCP 3A Filter to Flange
C05.021.069A	3-RCP-FTR3A-SH-2 Circumferential Term end	3-51A-87 OFD-101A-3.4 OM-201-0473-001	NDE-35	PT	SS	4.000	0.531	RCP 3A Filter to Flange
<b>Total C05.021 Items:</b>		<b>26</b>						

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

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**Inservice Inspection Plan for Interval 3 Outage 7**

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

ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIATHK	CAL BLOCKS	COMMENTS
<b>**** Circumferential Weld ****</b>								
C05.051.003	3-01A-10-23	3-01A-10 OFD-122A-3.3	NDE-12	RT	CS	8.000 0.500		Pipe to Elbow
C05.051.003A	3-01A-10-23	3-01A-10 OFD-122A-3.3	NDE-25	MT	CS	8.000 0.500		Pipe to Elbow
C05.051.014	3-MS16A-A	3-01A-9/3MS-16A OFD-122A-3.1	NDE-12	RT	CS	36.000 1.164		Inspect with item number C05.052.004 Elbow to Pipe
C05.051.014A	3-MS16A-A	3-01A-9/3MS-16A OFD-122A-3.1	NDE-25	MT	CS	36.000 1.164		Inspect with item number C05.052.004A Elbow to Pipe
C05.051.015	3-01A-9-1	3-01A-9 OFD-122A-3.1	NDE-12	RT	CS	36.000 1.164		Inspect with item number C05.052.003 Pipe to Elbow
C05.051.015A	3-01A-9-1	3-01A-9 OFD-122A-3.1	NDE-25	MT	CS	36.000 1.164		Inspect with item number C05.052.003A Pipe to Elbow
C05.051.019	3-03-29-WG91-D	3-03-29 OFD-121B-3.3 OM-2201-223	NDE-12	RT	CS	14.000 0.750		Pipe to Pipe Cap
C05.051.019A	3-03-29-WG91-D	3-03-29 OFD-121B-3.3 OM-2201-223	NDE-25	MT	CS	14.000 0.750		Pipe to Pipe Cap
C05.051.022	3-03A-145-22	3-03A-145 OFD-121D-3.1	NDE-12	RT	CS	6.000 0.432		Pipe to Valve (Valve 3FDW-233)
C05.051.022A	3-03A-145-22	3-03A-145 OFD-121D-3.1	NDE-25	MT	CS	6.000 0.432		Pipe to Valve (Valve 3FDW-233)

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

DUKE POWER COMPANY  
QUALITY ASSURANCE TECHNICAL SERVICES  
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**Piping Welds ≥ 3/8 In. Nominal Wall Thickness for  
Piping > NPS 4**

**Inservice Inspection Plan for Interval 3 Outage 7**

ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
C05.051.035	3-14B-119-16	3-14B-119 OFD-124B-3.2	NDE-12	RT	CS	8.000 0.500		Pipe to Pipe
C05.051.035A	3-14B-119-16	3-14B-119 OFD-124B-3.2	NDE-25	MT	CS	8.000 0.500		Pipe to Pipe
C05.051.040	3-14B-119-56	3-14B-119 OFD-124B-3.2	NDE-12	RT	CS	8.000 0.500		Pipe to Flange
C05.051.040A	3-14B-119-56	3-14B-119 OFD-124B-3.2	NDE-25	MT	CS	8.000 0.500		Pipe to Flange
C05.051.043	3-14B-119-61	3-14B-119 OFD-124B-3.2	NDE-12	RT	CS	8.000 0.500		Pipe to Pipe
C05.051.043A	3-14B-119-61	3-14B-119 OFD-124B-3.2	NDE-25	MT	CS	8.000 0.500		Pipe to Pipe

Total C05.051 Items: 16

**\*\*\*\* Longitudinal Weld \*\*\*\***

C05.052.003	3-01A-9-01L	3-01A-9	NDE-12	RT	CS	34.000 1.164		Inspect with item number C05.051.015
C05.052.003A	3-01A-9-01L	3-01A-9	NDE-25	MT	CS	34.000 1.164		Inspect with item number C05.051.015A.
C05.052.004	3-MS16A-AL	3MS-16A	NDE-12	RT	CS	36.000 1.164		Inspect with item number C05.051.014

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

DUKE POWER COMPANY  
QUALITY ASSURANCE TECHNICAL SERVICES  
Inservice Inspection Database Management System  
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**Inservice Inspection Plan for Interval 3 Outage 7**

**Piping Welds  $\geq$  3/8 in. Nominal Wall Thickness for  
Piping  $\geq$  NPS 4**

ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
C05.052.004A	3-MS16A-AL Longitudinal	3MS-16A	NDE-25	MT	CS	36.000 1.164		Inspect with item number C05.051.014A

Total C05.052 Items: 4

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

DUKE POWER COMPANY  
QUALITY ASSURANCE TECHNICAL SERVICES  
Inservice Inspection Database Management System  
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**Inservice Inspection Plan for Interval 3 Outage 7**

**Pipe Branch Connections of Branch Piping ≥ NPS  
2**

ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
<b>---- Circumferential Weld ----</b>								
C05.081.002	3-MS12B-A	3-01A-13/3MS-12B OFD-122A-3.1	NDE-25	MT	CS	8.000 0.906		Branch Weld is Inaccessible due to gaurd pipe. Inspect Only if gaurd pipe is removed for Maintenance Activities or repair/replacement reasons. See Request for Relief ONS-010.
	Branch			Pipe to Pipe				
C05.081.005	3-MS15A-F	3-01A-9/3MS-15A OFD-122A-3.1	NDE-25	MT	CS	8.000 0.906		Branch Weld is Inaccessible due to gaurd pipe. Inspect Only if gaurd pipe is removed for Maintenance Activities or repair/replacement reasons. See Request for Relief ONS-010.
	Branch			Pipe to Pipe				
C05.081.007	3-MS15A-H	3-01A-9/3MS-15A OFD-122A-3.1	NDE-25	MT	CS	8.000 0.906		Branch Weld is Inaccessible due to gaurd pipe. Inspect Only if gaurd pipe is removed for Maintenance Activities or repair/replacement reasons. See Request for Relief ONS-010.
	Branch			Pipe to Pipe				
C05.081.008	3-MS15A-H-1	3-01A-9/3MS-15A OFD-122A-3.1	NDE-25	MT	CS	8.000 0.906		Inspect the Gaurd Pipe to Reinforcing Collar weld AND the Reinforcing Collar to the Main Steam Header pipe Weld. This is done because weld# 3-MS15A-H is Inaccessable due to Gaurd Pipe. See Request for Relief
	Branch			Pipe to Pipe				

Total C05.081 Items: 4

Total Category C-F-2 Items: 54

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

**Integral Attachment**

DUKE POWER COMPANY  
QUALITY ASSURANCE TECHNICAL SERVICES  
Inservice Inspection Database Management System  
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ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
**** Component Supports and Restraints ****								
D02.020.102	3-08-H16 Rigid restraint	0-2401B OFD-122A-3.4	QAL-14	VT-3	NA	10.000 0.750		File no. OSC-1808 Sht 2of2 Prob. No. 3-08-1 Page 36 Emergency F.W. Pump Turbine Exh. to Condenser
D02.020.129	3-14B-R104 Rigid restraint	0-2439B OFD-124B-3.2	QAL-14	VT-3	NA	8.000 0.237		File No. OSC-535 Page No. 62 Problem No. 3-14-6; Low Pressure Service Water
D02.020.130	3-14B-R105 Rigid restraint	0-2439B OFD-124B-3.4	QAL-14	VT-3	NA	10.000 0.237		File no. OS-533 Page 61.1 Prob. No. 3-14-05 LPSWater
D02.020.131	3-14B-SR108 Rigid restraint	1-0-2437A OFD-124A-3.1	QAL-14	VT-3	NA	20.000 2.000		File no. OSC-533 Prob. No. 3-14-05 Page 60 LPSWater
D02.020.133	3-14B-SR13 Rigid restraint	1-0-2439B OFD-124B-3.2	QAL-14	VT-3	NA	8.000 1.000		File No. OSC-532 Page No. 79; Problem No. 3-14-04 Low Pressure Service Water Discharge from R B Coolers
D02.020.134	3-14B-SR15 Rigid restraint	1-0-2439B OFD-124B-3.2	QAL-14	VT-3	NA	10.000 1.500		File No. OSC-532 Page No. 78; Problem No. 3-14-04 Low Pressure Service Water Discharge from R B Coolers
D02.020.135	3-14B-SR28 Rigid restraint	6-0-2510A OFD-124A-3.1	QAL-14	VT-3	NA	8.000 0.500		File No. OS-530 Page No. 69.1 Problem No. 3-14B-1; Low Pressure Service Water
D02.020.136	3-14B-SR4 Rigid restraint	1-0-2437B OFD-124B-3.1	QAL-14	VT-3	NA	16.000 0.322		File no. OSC-531 Prob. No. 3-14B-3 Page 32 LPSWater Cooler Discharge
D02.020.142	3-57-H4 Rigid restraint	0-2480A OFD-107A-3.1	QAL-14	VT-3	NA	12.000 0.500		File no. 0-2491C-2(S) Prob. No. 3-57-01 Sys.57

Total D02.020 Items: 9

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

**Integral Attachment**

DUKE POWER COMPANY  
QUALITY ASSURANCE TECHNICAL SERVICES  
Inservice Inspection Database Management System  
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ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
<b>**** Mechanical and Hydraulic Snubbers ****</b>								
D02.030.004	3-57-H15 Hyd snubber	0-2481A OFD-100A-3.2	QAL-14	VT-3	NA	6.000 1.000		File No.OSC-1351-06 Problem No.3-57-01 Dwg # 0-3RB-357001-01 PZR Relief Valve System
D02.030.005	3-57-H9 Hyd snubber	0-2481A OFD-100A-3.2	QAL-14	VT-3	NA	8.000 0.216		File No.OSC-1351-06 Problem No.3-57-01 Dwg # 0-3RB-357001-01 PZR Relief Valve System
<b>Total D02.030 Items:</b>		<b>2</b>						

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

**DUKE POWER COMPANY  
QUALITY ASSURANCE TECHNICAL SERVICES  
Inservice Inspection Database Management System  
Oconee Unit 3  
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ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
<b>**** Spring Type Supports ****</b>								
D02.040.025	3-13-H14 Spring hanger	7-0-2400B OFD-133A-3.2	QAL-14	VT-3	NA	30.000 1.000		File No. OSC-523 Page 40 Prob. No. 13-7 Condenser Circulating Water Emerg. Disch.
D02.040.026	3-13-H8 Spring hanger	7-0-2400A OFD-133A-3.2	QAL-14	VT-3	NA	12.000 0.500		File No. OSC-523 Page 40 Prob. No. 13-7 Condenser Circulating Water Emerg. Disch.
D02.040.029	3-14B-H10 Spring hanger	0-2436D OFD-124B-3.1	QAL-14	VT-3	NA	16.000 0.187		File no. OSC-531 Prob. No. 3-14B-3 Page 32 LPSWater Cooler Discharge
D02.040.035	3-14B-H18 Spring hanger	6-0-2437A OFD-124B-3.1	QAL-14	VT-3	NA	14.000 1.500		File no. OSC-533 Prob. No. 3-14-05 Page 61.1 LPSWater
D02.040.036	3-14B-H2 Spring hanger	1-0-2400A OFD-124A-3.1	QAL-14	VT-3	NA	18.000 0.280		File No. OS-530 Page No. 69.1 Problem No. 3-14B-1; Low Pressure Service Water
D02.040.042	3-57-H1 Spring hanger	0-2479A OFD-107A-3.1	QAL-14	VT-3	NA	12.000 0.500		File no. 0-2491C-2(S) Prob. No. 3-57-01 Sys.57

Total D02.040 Items: 6  
Total Category D-B Items: 17



**CATEGORY D-C, Systems in Support Of  
RHR From Spent Fuel Storage Pool**

DUKE POWER COMPANY  
QUALITY ASSURANCE TECHNICAL SERVICES  
Inservice Inspection Database Management System  
Oconee Unit 3

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**Inservice Inspection Plan for Interval 3 Outage 7**

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ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
<b>.... Component Supports and Restraints ....</b>								
D03.020.006	3-56-SR9 Rigid restraint	5-0-2437A OFD-104A-3.1	QAL-14	VT-3	NA	8.000 0.216		File No. OSC-567 Page No. 40.3 Problem No. 3-56-1; Spent Fuel Cooling
D03.020.007	3-56-DE016 Rigid restraint	5-0-2437A OFD-104A-3.1	QAL-14	VT-3	NA	8.000 0.125		File No. OSC-567 Page No. 40.3 Problem No. 3-56-1; Spent Fuel Cooling
D03.020.008	3-56-SR2 Rigid restraint	4-0-2438B OFD-104A-3.1	QAL-14	VT-3	NA	8.000 0.125		File No. OSC-563 Page No. 94.6 Problem No. 3-56-02; Spent Fuel Cooling
D03.020.009	3-56-SR4 Rigid restraint	4-0-2438B OFD-104A-3.1	QAL-14	VT-3	NA	8.000 1.000		File No. OSC-563 Page No. 94.6 Problem No. 3-56-02; Spent Fuel Cooling

Total D03.020 Items: 4

**CATEGORY D-C, Systems In Support Of  
RHR From Spent Fuel Storage Pool**

**Integral Attachment**

DUKE POWER COMPANY  
QUALITY ASSURANCE TECHNICAL SERVICES  
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Inservice Inspection Plan for Interval 3 Outage 7

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ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
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\*\*\*\* Mechanical and Hydraulic Snubbers \*\*\*\*

D03.030.001	3-56-SR116 Hyd snubber	1-0-2437A OFD-104A-3.1	QAL-14	VT-3	NA	8.000 0.237		File No. OSC-563 Page No. 93.2 Problem No. 3-56-02; Spent Fuel Cooling
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Total D03.030 Items: 1

**CATEGORY D-C, Systems In Support Of  
RHR From Spent Fuel Storage Pool**

**Integral Attachment**

DUKE POWER COMPANY  
QUALITY ASSURANCE TECHNICAL SERVICES  
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ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIATHK	CAL BLOCKS	COMMENTS
<b>.... Spring Type Supports ....</b>								
D03.040.005	3-56-H5 Spring hanger	5-0-2437A OFD-104A-3.1	QAL-14	VT-3	NA	8.000 0.500		File No. OSC-567 Page No. 40.3 Problem No. 3-56-1; Spent Fuel Cooling
D03.040.006	3-56-H51 Spring hanger	4-0-2438B OFD-104A-3.1	QAL-14	VT-3	NA	8.000 0.125		File No. OSC-563 Page No. 94.6 Problem No. 3-56-02; Spent Fuel Cooling
<b>Total D03.040 Items:</b>		<b>2</b>						
<b>Total Category D-C Items:</b>		<b>7</b>						

**CATEGORY F-A, Supports (Category B)**

DUKE POWER COMPANY  
 QUALITY ASSURANCE TECHNICAL SERVICES  
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**Inservice Inspection Plan for Interval 3 Outage 7**

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

ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
F01.011.007	3-53A-H7B Rigid restraint	0-2478A OFD-102A-3.2	QAL-14	VT-3	NA	10.000 0.437		File No. OSC-1338 Page No. 6(2)8 Problem No. 3-53-08; Low Pressure Injection
<b>Total F01.011 Items:</b>		<b>1</b>						
F01.012.003	3-50-H7 Mech snubber	0-2481A OFD-100A-3.2	QAL-14	VT-3	NA	2.500 0.500		File No. OSC-1343-06 Vol.A of C Prob.No. 3-53-09 Page 138 Low Pressure Inj. Supply to PZR Spray
<b>Total F01.012 Items:</b>		<b>1</b>						

**CATEGORY F-A, Supports (Category B)**

DUKE POWER COMPANY  
 QUALITY ASSURANCE TECHNICAL SERVICES  
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**Class 2 Weld Connections to Building Structure**

ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
F01.021.015	3-51A-H267 Rigid restraint	2-0-2439C OFD-101A-3.3	QAL-14	VT-3	NA	4.000 0.000		File No. OSC-542 Prob. No. 3-51-05 Page 42 H.P.I. Pump Discharge
F01.021.016	3-51A-H293 Rigid restraint	1-0-2439C OFD-101A-3.4	QAL-14	VT-3	NA	4.000 0.000		File No. OSC-542 Prob. No. 3-51-05 Page 44.1 H.P.I. Crossover to Reactor Coolant Inj. Loops "A" & "B"
F01.021.017	3-51A-H315 Rigid restraint	1-0-2439A OFD-101A-3.4	QAL-14	VT-3	NA	4.000 0.000	SWAY STRUT to Other	File No. OSC-541 Prob. No. 3-51-04 Page 66 H.P.I. to Reactor Coolant Loops "A" & "B"
F01.021.018	3-51A-H8C Rigid restraint	0-2478A OFD-101A-3.1	QAL-14	VT-3	NA	2.500 0.000		File No. OSC-1660-01 Sht. 5 of 5 Prob. No. 3-51-14 R.C. Pump Piping to H.P. Inj. Letdown Coolers
F01.021.019	3-51A-SR6 Rigid restraint	1-0-2439A OFD-101A-3.4	QAL-14	VT-3	NA	4.000 1.000		File No. OSC-541 Prob. No. 3-51-4 Page 63 H.P.I. to Reactor Coolant Loop "A"
F01.021.020	3-51B-H59 Rigid restraint	3-0-2436G OFD-101A-3.2	QAL-14	VT-3	NA	4.000 0.000		File No. OSC-539 Prob. No. 3-51-2 Page 145 H.P.I. Pumps 3A,3B,&3C Suction Header
<b>Total F01.021 Items:</b>		<b>6</b>						
F01.022.007	3-51A-SR14 Hyd snubber	1-0-2444 OFD-101A-3.3	QAL-14	VT-3	NA	4.000 0.000		File No. OSC-542 Prob. No. 3-51-05 Page 42 H.P.I. Pump Discharge
F01.022.008	3-51B-H62 Mech snubber	3-0-2436G OFD-101A-3.2	QAL-14	VT-3	NA	4.000 1.062		File No. OSC-539 Prob. No. 3-51-2 Page 145 H.P.I. Pumps 3A,3B,&3C Suction Header
F01.022.012	3-53B-H85 Spring hanger	7-0-2437A OFD-102A-3.1	QAL-14	VT-3	NA	14.000 0.750		File No. OS-539 Page 143 Problem No. 3-51-2;

CATEGORY F-A, Supports (Category C)

DUKE POWER COMPANY  
QUALITY ASSURANCE TECHNICAL SERVICES  
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Class 2 Weld Connections to Building Structure

ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
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Total F01.022 Items: 3

**CATEGORY F-A, Supports (Category B)**

DUKE POWER COMPANY  
 QUALITY ASSURANCE TECHNICAL SERVICES  
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**Class 3 Weld/Mech Conns at Inter Joints in  
 Multiconn Int & Nonint Supp**

ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
F01.031.014	3-08-H16 Rigid restraint	0-2401B OFD-122A-3.4	QAL-14	VT-3	NA	10.000 0.750		File no. OSC-1808 Sht 2 of 2 Prob. No. 3-08-1 Page 36 Emergency F.W. Pump Turbine Exh. to Condenser
F01.031.021	3-56-DE016 Rigid restraint	5-0-2437A OFD-104A-3.1	QAL-14	VT-3	NA	8.000 0.125		File No. OSC-567 Page No. 40.3 Problem No. 3-56-1 Spent Fuel Cooling
F01.031.022	3-56-SR4 Rigid restraint	4-0-2438B OFD-104A-3.1	QAL-14	VT-3	NA	8.000 1.000		File No. OSC-563 Page No. 94.6 Problem No. 3-56-02 Spent Fuel Cooling
F01.031.023	3-57-H4 Rigid restraint	0-2480A OFD-107A-3.1	QAL-14	VT-3	NA	12.000 0.500		File no. 0-2491C-2(S) Prob. No. 3-57-01 Sys.57
<b>Total F01.031 Items:</b>		<b>4</b>						
F01.032.014	3-13-DE002 Mech snubber	7-0-2400B OFD-133A-3.2	QAL-14	VT-3	NA	30.000 0.000		File No. OSC-523 Page 40 Prob. No. 13-7 Condenser Circulating Water Emerg. Disch.
F01.032.015	3-13-H14 Spring hanger	7-0-2400B OFD-133A-3.2	QAL-14	VT-3	NA	30.000 1.000		File No. OSC-523 Page 40 Prob. No. 13-7 Condenser Circulating Water Emerg. Disch.
F01.032.016	3-13-H8 Spring hanger	7-0-2400A OFD-133A-3.2	QAL-14	VT-3	NA	12.000 0.500		File No. OSC-523 Page 40 Prob. No. 13-7 Condenser Circulating Water Emerg. Disch.
F01.032.017	3-14B-H10 Spring hanger	0-2436D OFD-124B-3.1	QAL-14	VT-3	NA	16.000 0.187		File no. OSC-531 Prob. No. 3-14B-3 Page 32 LPSWater Cooler Discharge
F01.032.018	3-14B-H18 Spring hanger	6-0-2437A OFD-124B-3.1	QAL-14	VT-3	NA	14.000 1.500		File no. OSC-533 Prob. No. 3-14-05 Page 61.1 LPSWater

**CATEGORY F-A, Supports (Category C)**

DUKE POWER COMPANY  
 QUALITY ASSURANCE TECHNICAL SERVICES  
 Inservice Inspection Database Management System  
 Oconee Unit 3

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

**Inservice Inspection Plan for Interval 3 Outage 7**

ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
F01.032.019	3-14B-H2 Spring hanger	1-0-2400A OFD-124A-3.1	QAL-14	VT-3	NA	18.000 0.280		File No. OS-530 Page No. 69.1 Problem No. 3-14B-1 Low Pressure Service Water
F01.032.020	3-56-H5 Spring hanger	5-0-2437A OFD-104A-3.1	QAL-14	VT-3	NA	8.000 0.500		File No. OSC-567 Page No. 40.3 Problem No. 3-56-1 Spent Fuel Cooling
F01.032.021	3-56-H51 Spring hanger	4-0-2438B OFD-104A-3.1	QAL-14	VT-3	NA	8.000 0.125		File No. OSC-563 Page No. 94.6 Problem No. 3-56-02 Spent Fuel Cooling
F01.032.022	3-56-SR116 Hyd snubber	1-0-2437A OFD-104A-3.1	QAL-14	VT-3	NA	8.000 0.237		File No OSC-563 Page No. 93.2 Problem No. 3-56-02 Spent Fuel Cooling
F01.032.023	3-57-H15 Hyd snubber	0-2481A OFD-100A-3.2	QAL-14	VT-3	NA	6.000 1.000		File No. OSC-1351-06 Problem No. 3-57-01 Dwg # 0-3RB-357001-01 PZR Relief Valve System
F01.032.024	3-57-H9 Hyd snubber	0-2481A OFD-100A-3.2	QAL-14	VT-3	NA	8.000 0.216		File No. OSC-1351-06 Problem No. 3-57-01 Dwg # 0-3RB-357001-01 PZR Relief Valve System

Total F01.032 Items: 11



**CATEGORY F-A, Supports**

DUKE POWER COMPANY  
 QUALITY ASSURANCE TECHNICAL SERVICES  
 Inservice Inspection Database Management System  
 Oconee Unit 3  
 Inservice Inspection Plan for Interval 3 Outage 7

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

ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
F01.040.002	3-SGA-SKIRT	0M 2201-222 ISI-OCN3-003	QAL-14	VT-3	NA	0.000 0.000		S/G 3A Support Skirt.Class A
F01.040.017	3-MCD-C	0M 202-5 OM 202-25 OFD 121A-3.3	QAL-14	VT-3	NA	0.000 0.000		Main Condenser 3C. Support Legs.Class C
F01.040.018	3-CTK-UST-A	0M 2201-15 OFD 121A-3.7	QAL-14	VT-3	NA	0.000 0.000		Upper Surge Tank "A".Support Legs.Class C
F01.040.019	3-LPI-PU-A	0M 2201-0597 OFD 102A-3.2 OM 201-2368	QAL-14	VT-3	NA	0.000 0.000		LPI Pump "A" Support Pad & Legs.Class B
Total F01.040 Items:								4
Total Category F-A Items:								30

**CATEGORY AUG, Augmented Inspections**

DUKE POWER COMPANY  
 QUALITY ASSURANCE TECHNICAL SERVICES  
 Inservice Inspection Database Management System  
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**Inservice Inspection Plan for Interval 3 Outage 7**

Reactor Coolant Pump Flywheel

ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
G01.001.001A	3-RCP-3A1	OM-201D-038 OFD-100A-3.1	NDE-25	MT	CS	72.000 9.500		Reference Section 7 Paragraph 7.1.1 of the ISI Plan - Volume 1. RCP 3A1 Flywheel to Other
G01.001.002A	3-RCP-3A2	OM-201D-038 OFD-100A-3.1	NDE-25	MT	CS	72.000 9.500		Reference Section 7 Paragraph 7.1.1 of the ISI Plan - Volume 1. RCP 3A2 Flywheel to Other
G01.001.003A	3-RCP-3B1	OM-201D-038 OFD-100A-3.1	NDE-25	MT	CS	72.000 9.500		Reference Section 7 Paragraph 7.1.1 of the ISI Plan - Volume 1. RCP 3B1 Flywheel to Other
G01.001.004A	3-RCP-3B2	OM-201D-038 OFD-100A-3.1	NDE-25	MT	CS	72.000 9.500		Reference Section 7 Paragraph 7.1.1 of the ISI Plan - Volume 1. RCP 3B2 Flywheel to Other

Total G01.001 Items: 4

Total Category AUG Items: 4

**CATEGORY AUG, Augmented Inspections**

DUKE POWER COMPANY  
 QUALITY ASSURANCE TECHNICAL SERVICES  
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**High Pressure Injection Nozzle Safe End**

ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIATHK	CAL	BLOCKS	COMMENTS
G02.001.001	3PDA1-47	ISI-OCN3-011 OFD-100A-3.2	NDE-600	UT	SS	3.500	40416	0.750	A1 Discharge Make Up Nozzle Safe End PC.47. Reference Section 7 Paragraph 7.1.2 of the ISI Plan - Volume 1.
G02.001.001A	3PDA1-47	ISI-OCN3-011 OFD-100A-3.2	NDE-12	RT	SS	3.500		0.750	A1 Discharge Make Up Nozzle Safe End PC.47. Reference Section 7 Paragraph 7.1.2 of the ISI Plan - Volume 1.
G02.001.002	3PDA2-47	ISI-OCN3-012 OFD-100A-3.2	NDE-600	UT	SS	3.500	40416	0.750	A2 Discharge Make Up Nozzle Safe End PC.47. Reference Section 7 Paragraph 7.1.2 of the ISI Plan - Volume 1.
G02.001.002A	3PDA2-47	ISI-OCN3-012 OFD-100A-3.2	NDE-12	RT	SS	3.500		0.750	A2 Discharge Make Up Nozzle Safe End PC.47. Reference Section 7 Paragraph 7.1.2 of the ISI Plan - Volume 1.
G02.001.003	3PDB1-47	ISI-OCN3-013 OFD-100A-3.2	NDE-12	RT	SS	3.500		0.750	B1 Discharge HPI Nozzle Safe End PC.47. Reference Section 7 Paragraph 7.1.2 of the ISI Plan - Volume 1.
G02.001.004	3PDB2-47	ISI-OCN3-014 OFD-100A-3.2	NDE-12	RT	SS	3.500		0.750	B2 Discharge HPI Nozzle Safe End PC.47. Reference Section 7 Paragraph 7.1.2 of the ISI Plan - Volume 1.

Total G02.001 Items: 6

Total Category AUG Items: 6

CATEGORY AUG, Augmented Inspections

DUKE POWER COMPANY  
 QUALITY ASSURANCE TECHNICAL SERVICES  
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Inservice Inspection Plan for Interval 3 Outage 7

Pressurizer Surge Line

ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
G03.001.002	3PSL-133	3-50-19 ISI-OCN3-015 OFD-100A-3.2	NDE-600	UT	SS	10.750	40399 1.000	Examine 3" band on Elbow PC. 80 to PC.83-Data Point #133 (Calc#OSC 1522).Reference Section7 Paragraph 7.1.3 of the ISI Plan. Elbow ((Base Metal)) to N/A
G03.001.003	3PSL-142	3-50-19 ISI-OCN3-015 OFD-100A-3.2	NDE-600	UT	SS	10.750	40399 1.000	Examine 3" band on Elbow PC. 80 to PC.82-Data Point #142 (Calc#OSC 1522).Reference Section7 Paragraph 7.1.3 of the ISI Plan. Elbow ((Base Metal)) to N/A

Total G03.001 Items: 2

Total Category AUG Items: 2

**CATEGORY AUG, Augmented Inspections**

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ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
G04.001.002	3-51A-61-43C Circumferential	3-51A-61 OFD-101A-3.4	NDE-600	UT	SS	2.500	40378 0.375	Inspect 100% of weld & 1" of Base Metal (axial & circ.). Reference Section 7 Paragraph 7.1.4 of the ISI Plan  Pipe to Pipe
G04.001.004	3-51A-62-25 Circumferential	3-51A-62 OFD-101A-3.4	NDE-600	UT	SS	2.500	40378 0.375	Inspect 100% of weld & 1" of Base Metal (axial & circ.). Reference Section 7 Paragraph 7.1.4 of the ISI Plan  Valve (Valve 3HP-152) to Pipe
G04.001.005	3-51A-62-26 Circumferential Stress weld	3-51A-62 OFD-101A-3.4	NDE-600	UT	SS	2.500	40378 0.375	Inspect 100% of weld & 1" of Base Metal (axial & circ.). Reference Section 7 Paragraph 7.1.4 of the ISI Plan  Pipe to Nozzle (Nozzle on 3B2 Disch Line)
G04.001.006	3-51A-61-39 Circumferential	3-51A-61 OFD-101A-3.4	NDE-600	UT	SS	2.500	40378 0.375	Inspect 100% of weld & 1" of Base Metal (axial & circ.). Reference Section 7 Paragraph 7.1.4 of the ISI Plan  Pipe to Elbow
G04.001.007	3-51A-61-41 Circumferential	3-51A-61 OFD-101A-3.4	NDE-600	UT	SS	2.500	40378 0.375	Inspect 100% of weld & 1" of Base Metal (axial & circ.). Reference Section 7 Paragraph 7.1.4 of the ISI Plan  Pipe to Elbow
G04.001.008	3-51A-61-42 Circumferential	3-51A-61 OFD-101A-3.4	NDE-600	UT	SS	2.500	40378 0.375	Inspect 100% of weld & 1" of Base Metal (axial & circ.). Reference Section 7 Paragraph 7.1.4 of the ISI Plan  Elbow to Valve (Valve 3HP-153)
G04.001.009	3-51A-62-19A Circumferential	3-51A-62 OFD-101A-3.4	NDE-600	UT	SS	2.500	40378 0.375	Inspect 100% of weld & 1" of Base Metal (axial & circ.). Reference Section 7 Paragraph 7.1.4 of the ISI Plan  Pipe to Elbow
G04.001.010	3-51A-62-23 Circumferential	3-51A-62 OFD-101A-3.4	NDE-600	UT	SS	2.500	40378 0.375	Inspect 100% of weld & 1" of Base Metal (axial & circ.). Reference Section 7 Paragraph 7.1.4 of the ISI Plan  Pipe to Elbow
G04.001.011	3-51A-62-24 Circumferential	3-51A-62 OFD-101A-3.4	NDE-600	UT	SS	2.500	40378 0.375	Inspect 100% of weld & 1" of Base Metal (axial & circ.). Reference Section 7 Paragraph 7.1.4 of the ISI Plan  Elbow to Valve (Valve 3HP-152)

Total G04.001 Items: 9

Total Category AUG Items: 9

**CATEGORY AUG, Augmented Inspections**

DUKE POWER COMPANY  
 QUALITY ASSURANCE TECHNICAL SERVICES  
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**Auxiliary Feedwater Header B&W Safety Concern  
 21-82 Water Hammer**

**Inservice Inspection Plan for Interval 3 Outage 7**

ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
G06.001.014	3-03A-147-10 Circumferential	3-03A-147 OFD-121B-3.3	NDE-25	MT	CS	3.000 0.300		3B Aux. FDW Header 3" Fig. to Elb. Reference Section 7 Paragraph 7.1.6 of the ISI Plan - Volume 1 Flange to Elbow
G06.001.015	3-03A-147-4VEN Circumferential	3-03A-147 OFD-121B-3.3	NDE-25	MT	CS	4.620 0.938		3B Aux. FDW Header 3" Fig. Nozzle to 6"Header. Reference Section 7 Paragraph 7.1.6 of the ISI Plan - Volume 1 Nozzle to 6"Header
G06.001.016	3-03A-147-12 Circumferential	3-03A-147 OFD-121B-3.3	NDE-25	MT	CS	3.000 0.300		3B Aux. FDW Header 3" Fig. to Elb. Reference Section 7 Paragraph 7.1.6 of the ISI Plan - Volume 1 Flange to Elbow
G06.001.017	3-03A-147-5VEN Circumferential	3-03A-147 OFD-121B-3.3	NDE-25	MT	CS	4.620 0.938		3B Aux. FDW Header 3" Fig. Nozzle to 6"Header. Reference Section 7 Paragraph 7.1.6 of the ISI Plan - Volume 1 Nozzle to 6"Header
G06.001.018	3-03A-147-14 Circumferential	3-03A-147 OFD-121B-3.3	NDE-25	MT	CS	3.000 0.300		3B Aux. FDW Header 3" Fig. to Elb. Reference Section 7 Paragraph 7.1.6 of the ISI Plan - Volume 1 Flange to Elbow
G06.001.019	3-03A-147-6VEN Circumferential	3-03A-147 OFD-121B-3.3	NDE-25	MT	CS	4.620 0.938		3B Aux. FDW Header 3" Fig. Nozzle to 6"Header. Reference Section 7 Paragraph 7.1.6 of the ISI Plan - Volume 1 Nozzle to 6"Header
G06.001.020	3-03A-147-4 Circumferential	3-03A-147 OFD-121B-3.3	NDE-25	MT	CS	3.000 0.300		3B Aux. FDW Header 3" Fig. to Elb. Reference Section 7 Paragraph 7.1.6 of the ISI Plan - Volume 1 Flange to Elbow
G06.001.021	3-03A-147-7VEN Circumferential	3-03A-147 OFD-121B-3.3	NDE-25	MT	CS	4.620 0.938		3B Aux. FDW Header 3" Fig. Nozzle to 6"Header. Reference Section 7 Paragraph 7.1.6 of the ISI Plan - Volume 1 Nozzle to 6"Header
G06.001.022	3-03A-147-6 Circumferential	3-03A-147 OFD-121B-3.3	NDE-25	MT	CS	3.000 0.300		3B Aux. FDW Header 3" Fig. to Elb. Reference Section 7 Paragraph 7.1.6 of the ISI Plan - Volume 1 Flange to Elbow
G06.001.023	3-03A-147-8VEN Circumferential	3-03A-147 OFD-121B-3.3	NDE-25	MT	CS	4.620 0.938		3B Aux. FDW Header 3" Fig. Nozzle to 6"Header. Reference Section 7 Paragraph 7.1.6 of the ISI Plan - Volume 1 Nozzle to 6"Header

**CATEGORY AUG, Augmented Inspections**

DUKE POWER COMPANY  
 QUALITY ASSURANCE TECHNICAL SERVICES  
 Inservice Inspection Database Management System  
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**Auxiliary Feedwater Header B&W Safety Concern  
 21-82 Water Hammer**

**Inservice Inspection Plan for Interval 3 Outage 7**

ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
G06.001.024	3-03A-147-8 Circumferential	3-03A-147 OFD-121B-3.3	NDE-25	MT	CS	3.000 0.300		3B Aux. FDW Header 3" Flg. to Elb. Reference Section 7 Paragraph 7.1.6 of the ISI Plan - Volume 1  Flange to Elbow
G06.001.025	3-03A-147-9VEN Circumferential	3-03A-147 OFD-121B-3.3	NDE-25	MT	CS	4.620 0.938		3B Aux. FDW Header 3" Flg. Nozzle to 6"Header. Reference Section 7 Paragraph 7.1.6 of the ISI Plan - Volume 1  Nozzle to 6"Header
G06.001.026	3-03A-147-1VEN Circumferential	3-03A-147 OFD-121B-3.3	NDE-12	RT	CS	6.000 0.432		3B Aux. FDW Header Pipe to Tee. Reference Section 7 Paragraph 7.1.6 of the ISI Plan - Volume 1  Pipe to Tee
G06.001.027	3-03A-147-16 Circumferential	3-03A-147 OFD-121B-3.3	NDE-12	RT	CS	6.000 0.432		3B Aux. FDW Header Pipe to Pipe Cap. Reference Section 7 Paragraph 7.1.6 of the ISI Plan - Volume 1  Pipe to Pipe Cap

Total G06.001 Items: 14

Total Category AUG Items: 14

**CATEGORY AUG, Augmented Inspections**

DUKE POWER COMPANY  
 QUALITY ASSURANCE TECHNICAL SERVICES  
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**Inservice Inspection Plan for Interval 3 Outage 7**

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

ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
G07.001.001	3-53B-33-58L Longitudinal	3-53B-33	NDE-35	PT	SS	14.000 0.250		Inspect with item number G09.001.004
G07.001.009	3-53B-50-26L Longitudinal	3-53B-50	NDE-35	PT	SS	10.000 0.250		Inspect with item number G09.001.018
G07.001.014	3-54B-6-23L Longitudinal	3-54B-6	NDE-35	PT	SS	8.000 0.250		Inspect with item number G09.001.031

Total G07.001 Items: 3

Total Category AUG Items: 3



**CATEGORY AUG, Augmented Inspections**

DUKE POWER COMPANY  
 QUALITY ASSURANCE TECHNICAL SERVICES  
 Inservice Inspection Database Management System  
 Oconee Unit 3

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

Inservice Inspection Plan for Interval 3 Outage 7

ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DI/THK	CAL BLOCKS	COMMENTS
G09.001.004	3-53B-33-58 Circumferential	3-53B-33 OFD-102A-3.1 OFD-102A-3.2	NDE-35	PT	SS	14.000 0.250		Pipe to Flange
G09.001.018	3-53B-50-26 Circumferential	3-53B-50 OFD-102A-3.2	NDE-35	PT	SS	10.000 0.250		Pipe to Elbow
G09.001.031	3-54B-6-23 Circumferential	3-54B-6 OFD-103A-3.1	NDE-35	PT	SS	8.000 0.250		Pipe to Elbow

Total G09.001 Items: 3

Total Category AUG Items: 3

CATEGORY.

DUKE POWER COMPANY  
QUALITY ASSURANCE TECHNICAL SERVICES  
Inservice Inspection Database Management System  
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Inservice Inspection Plan for Interval 3 Outage 7

ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
G11.001.001	3RCP-3A2	OM-1201-1217 OFD-100A-3.1	QAL-13	VT-1	SS	0.000 0.000		Inspect Flg. Joint, Studs and Adj. area Per Req. for Relief ONS-011. Ref. Section 7 Paragraph 7.1.11 of the ISI Plan - Volume 1. RCP 3A2 Main Flange ; Each refueling outage the flange
G11.001.002	3RCP-3B1	OM-1201-1217 OFD-100A-3.1	QAL-13	VT-1	SS	0.000 0.000		Inspect Flg. Joint, Studs and Adj. area Per Req. for Relief ONS-011. Ref. Section 7 Paragraph 7.1.11 of the ISI Plan - Volume 1. RCP 3B1 Main Flange ; Each refueling outage the flange

Total G11.001 Items: 2

Total Category Items: 2

Duke Power Company  
Quality Assurance Technical Services  
Inservice Inspection Plan For:

Oconee Unit 3

Interval 3

ISI Outage 7

Refueling Outage EGC 21

**Pressure Test Listing**

Revision 0

Run Date: April 26, 1994

OCONEE UNIT NUMBER 3  
CLASS A (CATEGORY B-P) REQUIREMENTS  
FOR OUTAGE NUMBER 21

<u>ITEM NO.</u>	<u>DRAWING</u>	<u>REV</u>	<u>TEST</u>	<u>COMP</u>	<u>COMP NAME</u>	<u>REQ. INSP</u>	<u>REQ. PROC</u>	<u>COMMENTS</u>
B15.050.001	SEE COMMENTS	N/A	LEAK	VARIOUS	RC SYSTEM	VT-2	QAL-15	Drawings that make up the Class A Leakage Boundary: OFDL-100A-3.1, OFDL-100A-3.2, OFDL-100A-3.3, OFDL-101A-3.1, OFDL-101A-3.4, OFDL-101A-3.5, OFDL-102A-3.1, OFDL-102A-3.2, OFDL-102A-3.3, OFDL-110A-3.1, OFDL-110A-3.4, OFDL-127B-3.2

OCONEE UNIT NUMBER 3  
CLASS B (CATEGORY C-H) REQUIREMENTS  
FOR OUTAGE NUMBER 21

ITEM NO.	DRAWING	REV	TEST	COMP	COMP NAME	REQ. INSP	REQ. PROC	COMMENTS
C07.030.002	OFDL-101A-3.2	00	INSER	VARIOUS	HPI SYSTEM	VT-2	QAL-15	
C07.030.003	OFDL-101A-3.3	00	INSER	VARIOUS	HPI SYSTEM	VT-2	QAL-15	
C07.030.006	OFDL-102A-3.1	00	INS/FUN	VARIOUS	LPI SYSTEM	VT-2	QAL-15	Penetrations 36, 37 and 62
C07.030.007	OFDL-102A-3.2	00	INS/FUN	VARIOUS	LPI SYSTEM	VT-2	QAL-15	Penetrations 15 and 16
C07.030.011	OFDL-104A-3.2	00	INSER	VARIOUS	SF SYSTEM	VT-2	QAL-15	
C07.040.001	OFDH-101A-3.1	00	HYDRO	VARIOUS	HPI SYSTEM	VT-2	QAL-15	Penetrations 6 and 7
C07.040.002	OFDH-101A-3.2	00	HYDRO	VARIOUS	HPI SYSTEM	VT-2	QAL-15	
C07.040.003	OFDH-101A-3.3	00	HYDRO	VARIOUS	HPI SYSTEM	VT-2	QAL-15	
C07.040.004	OFDH-101A-3.4	00	HYDRO	VARIOUS	HPI SYSTEM	VT-2	QAL-15	Penetrations 8, 9, 10, 23 and 52
C07.040.005	OFDH-101A-3.5	00	HYDRO	VARIOUS	HPI SYSTEM	VT-2	QAL-15	
C07.040.010	OFDH-104A-3.1	00	HYDRO	VARIOUS	SF SYSTEM	VT-2	QAL-15	Penetration 56
C07.040.012	OFDH-106E-3.1	00	HYDRO	VARIOUS	DW SYSTEM	VT-2	QAL-15	Penetrations 46 and 55
C07.040.013	OFDH-107A-3.1	00	HYDRO	VARIOUS	CS SYSTEM	VT-2	QAL-15	Penetrations 18 and 38
C07.040.014	OFDH-107A-3.2	00	HYDRO	VARIOUS	CS SYSTEM	VT-2	QAL-15	Penetration 29
C07.040.015	OFDH-107B-3.1	00	HYDRO	VARIOUS	LWD SYSTEM	VT-2	QAL-15	Penetration 5
C07.040.016	OFDH-107D-3.2	00	HYDRO	VARIOUS	LWD SYSTEM	VT-2	QAL-15	Penetration 40
C07.040.017	OFDH-110A-3.1	00	HYDRO	VARIOUS	CA SYSTEM	VT-2	QAL-15	Penetrations 2 and 58
C07.040.018	OFDH-110A-3.3	00	HYDRO	VARIOUS	CA SYSTEM	VT-2	QAL-15	Penetrations 24 and 42
C07.040.019	OFDH-110A-3.4	00	HYDRO	VARIOUS	CA SYSTEM	VT-2	QAL-15	
C07.040.020	OFDH-116A-3.1	00	HYDRO	VARIOUS	PR SYSTEM	VT-2	QAL-15	Penetrations 19 and 20

OCONEE UNIT NUMBER 3  
CLASS B (CATEGORY C-H) REQUIREMENTS  
FOR OUTAGE NUMBER 21

ITEM NO.	DRAWING	REV	TEST	COMP	COMP NAME	REQ. INSP	REQ. PROC	COMMENTS
C07.040.021	OFDH-116C-3.1	00	HYDRO	VARIOUS	PR SYSTEM	VT-2	QAL-15	Penetrations 60 and 61
C07.040.022	OFDH-121B-3.3	00	HYDRO	VARIOUS	FDW SYSTEM	VT-2	QAL-15	Penetrations 25 and 27
C07.040.023	OFDH-121B-3.5	00	HYDRO	VARIOUS	FDW SYSTEM	VT-2	QAL-15	Penetrations 4 and 43
C07.040.024	OFDH-121D-1.2	01	HYDRO	VARIOUS	EFW SYSTEM	VT-2	QAL-15	
C07.040.025	OFDH-121D-3.1	00	HYDRO	VARIOUS	EFW SYSTEM	VT-2	QAL-15	Penetrations 17 and 50
C07.040.026	OFDH-122A-3.1	00	HYDRO	VARIOUS	MS SYSTEM	VT-2	QAL-15	Penetrations 26 and 28
C07.040.027	OFDH-122A-3.2	00	HYDRO	VARIOUS	MS SYSTEM	VT-2	QAL-15	
C07.040.028	OFDH-122A-3.3	00	HYDRO	VARIOUS	MS SYSTEM	VT-2	QAL-15	
C07.040.029	OFDH-122A-3.4	00	HYDRO	VARIOUS	MS SYSTEM	VT-2	QAL-15	
C07.040.030	OFDH-122B-3.1	00	HYDRO	VARIOUS	MS SYSTEM	VT-2	QAL-15	
C07.040.031	OFDH-124B-3.2	00	HYDRO	VARIOUS	LPSW SYSTEM	VT-2	QAL-15	Penetrations 30, 31, 32, 33, 34 and 35
C07.040.032	OFDH-124B-3.4	00	HYDRO	VARIOUS	LPSW SYSTEM	VT-2	QAL-15	Penetrations 21 and 22
C07.040.033	OFDH-127B-3.2	00	HYDRO	VARIOUS	N SYSTEM	VT-2	QAL-15	Penetrations 39 and 53
C07.040.034	OFDH-137A-3.3	00	HYDRO	VARIOUS	BA SYSTEM	VT-2	QAL-15	Penetration 48
C07.040.035	OFDH-137B-1.2	01	HYDRO	VARIOUS	IA SYSTEM	VT-2	QAL-15	Penetration 41
C07.040.036	OFDH-144A-3.2	00	HYDRO	VARIOUS	CC SYSTEM	VT-2	QAL-15	Penetrations 3 and 54
C07.040.037	OFDH-144A-3.3	00	HYDRO	VARIOUS	CC SYSTEM	VT-2	QAL-15	Penetration 44

OCONEE UNIT NUMBER 3  
CLASS C (CATEGORY D-A) REQUIREMENTS  
FOR OUTAGE NUMBER 21

ITEM NO.	DRAWING	REV	TEST	COMP	COMP NAME	REQ. INSP	REQ. PROC	COMMENTS
D01.012.001	OFDH-100A-3.3	00	HYDRO	VARIOUS	RC SYSTEM	VT-2	QAL-15	
D01.012.002	OFDH-101A-3.1	00	HYDRO	VARIOUS	HPI SYSTEM	VT-2	QAL-15	
D01.012.003	OFDH-101A-3.2	00	HYDRO	VARIOUS	HPI SYSTEM	VT-2	QAL-15	
D01.012.004	OFDH-101A-3.3	00	HYDRO	VARIOUS	HPI SYSTEM	VT-2	QAL-15	
D01.012.005	OFDH-101A-3.4	00	HYDRO	VARIOUS	HPI SYSTEM	VT-2	QAL-15	
D01.012.006	OFDH-101A-3.5	00	HYDRO	VARIOUS	HPI SYSTEM	VT-2	QAL-15	
D01.012.007	OFDH-102A-3.1	00	HYDRO	VARIOUS	LPI SYSTEM	VT-2	QAL-15	
D01.012.008	OFDH-102A-3.2	00	HYDRO	VARIOUS	LPI SYSTEM	VT-2	QAL-15	
D01.012.009	OFDH-106A-3.2	00	HYDRO	VARIOUS	CT SYSTEM	VT-2	QAL-15	
D01.012.010	OFDH-109A-3.1	00	HYDRO	VARIOUS	HP SYSTEM	VT-2	QAL-15	
D01.012.011	OFDH-110A-3.1	00	HYDRO	VARIOUS	CA SYSTEM	VT-2	QAL-15	
D01.012.012	OFDH-110A-3.4	00	HYDRO	VARIOUS	CA SYSTEM	VT-2	QAL-15	
D01.012.013	OFDH-144A-3.2	00	HYDRO	VARIOUS	CC SYSTEM	VT-2	QAL-15	

OCONEE UNIT NUMBER 3  
CLASS C (CATEGORY D-B) REQUIREMENTS  
FOR OUTAGE NUMBER 21

ITEM NO.	DRAWING	REV	TEST	COMP	COMP NAME	REQ. INSP	REQ. PROC	COMMENTS
D02.012.001	OFDH-121A-1.8	02	HYDRO	VARIOUS	C SYSTEM	VT-2	QAL-15	
D02.012.002	OFDH-121A-3.3	00	HYDRO	VARIOUS	C SYSTEM	VT-2	QAL-15	
D02.012.003	OFDH-121A-3.7	00	HYDRO	VARIOUS	C SYSTEM	VT-2	QAL-15	
D02.012.004	OFDH-121A-3.8	00	HYDRO	VARIOUS	C SYSTEM	VT-2	QAL-15	
D02.012.005	OFDH-121B-3.3	00	HYDRO	VARIOUS	FDW SYSTEM	VT-2	QAL-15	
D02.012.006	OFDH-121B-3.5	00	HYDRO	VARIOUS	FDW SYSTEM	VT-2	QAL-15	
D02.012.007	OFDH-121D-3.1	00	HYDRO	VARIOUS	EFW SYSTEM	VT-2	QAL-15	
D02.012.008	OFDH-133A-2.5	01	HYDRO	VARIOUS	CCW SYSTEM	VT-2	QAL-15	
D02.012.009	OFDH-122A-3.4	00	HYDRO	VARIOUS	MS SYSTEM	VT-2	QAL-15	
D02.012.010	OFDH-124A-1.1	02	HYDRO	VARIOUS	LPSW SYSTEM	VT-2	QAL-15	
D02.012.011	OFDH-124A-3.1	00	HYDRO	VARIOUS	LPSW SYSTEM	VT-2	QAL-15	
D02.012.012	OFDH-124A-3.3	00	HYDRO	VARIOUS	LPSW SYSTEM	VT-2	QAL-15	
D02.012.013	OFDH-124B-3.1	00	HYDRO	VARIOUS	LPSW SYSTEM	VT-2	QAL-15	
D02.012.014	OFDH-124B-3.2	00	HYDRO	VARIOUS	LPSW SYSTEM	VT-2	QAL-15	
D02.012.015	OFDH-124B-3.4	00	HYDRO	VARIOUS	LPSW SYSTEM	VT-2	QAL-15	
D02.012.016	OFDH-124C-3.2	00	HYDRO	VARIOUS	HPSW SYSTEM	VT-2	QAL-15	
D02.012.017	OFDH-133A-3.1	00	HYDRO	VARIOUS	CCW SYSTEM	VT-2	QAL-15	Adequate flow test in lieu of Hydro test is acceptable.
D02.012.018	OFDH-133A-3.2	00	HYDRO	VARIOUS	CCW SYSTEM	VT-2	QAL-15	Adequate flow test in lieu of Hydro test is acceptable.
D02.012.019	OFDH-133A-3.3	00	HYDRO	VARIOUS	CCW SYSTEM	VT-2	QAL-15	Adequate flow test in lieu of Hydro test is acceptable.
D02.012.020	OFDH-133A-3.4	00	HYDRO	VARIOUS	CCW SYSTEM	VT-2	QAL-15	Adequate flow test in lieu of Hydro test is acceptable.



OCONEE UNIT NUMBER 3  
CLASS C (CATEGORY C) REQUIREMENTS  
FOR OUTAGE NUMBER 21

<u>ITEM NO.</u>	<u>DRAWING</u>	<u>REV</u>	<u>TEST</u>	<u>COMP</u>	<u>COMP NAME</u>	<u>REQ. INSP</u>	<u>REQ. PROC</u>	<u>COMMENTS</u>
D03.012.001	OFDH-104A-3.1	00	HYDRO	VARIOUS	SF SYSTEM	VT-2	QAL-15	
D03.012.002	OFPD-104A-3.2	00	HYDRO	VARIOUS	SF SYSTEM	VT-2	QAL-15	

## APPENDIX B

### Oconee Unit 3 Inservice Inspection Reference Drawings

Revision 0

#### System Flow Diagrams - Unit 3

The following is a list of flow diagrams that identify the inspection boundaries for Oconee Unit 3 for the Third Inspection Interval.

<u>System</u>	<u>Drawing No.</u>	<u>Revision</u>	<u>Class 1</u>	<u>Class 2</u>
Reactor Coolant	OFD-100A-3.1	11	X	X
Reactor Coolant (Pressurizer)	OFD-100A-3.2	7	X	
High Pressure Injection (Letdown Section)	OFD-101A-3.1	11	X	X
High Pressure Injection (Storage Section)	OFD-101A-3.2	10		X
High Pressure Injection (Charging Section)	OFD-101A-3.3	6		X
High Pressure Injection (Charging Section)	OFD-101A-3.4	13	X	X
Low Pressure Injection System Borated Water Supply & LPI Pump Suction	OFD-102A-3.1	15	X	X
Low Pressure Injection Pump (Discharge)	OFD-102A-3.2	10	X	X
Low Pressure Injection (Core Flood)	OFD-102A-3.3	5	X	
Reactor Building Spray	OFD-103A-3.1	3		X
Spent Fuel Cooling	OFD-104A-3.1	14		X

<u>System</u>	<u>Drawing No.</u>	<u>Revision</u>	<u>Class 1</u>	<u>Class 2</u>
Reactor Building Purge System	OFD-116A-3.1	2		X
Feedwater (Final Feedwater)	OFD-121B-3.3	8		X
Emergency Feedwater (Auxiliary Service Water)	OFD-121D-1.2	6		X
Emergency Feedwater	OFD-121D-3.1	11		X
Main Steam (Headers 3A & 3B)	OFD-122A-3.1	10		X
Main Steam (Turbine Bypass)	OFD-122A-3.2	7		X
Main Steam (Main FDW Pump Turbines 3A & 3B HP & LP Steam Supply & Exhaust)	OFD-122A-3.3	7		X
Main Steam (Emergency Feedwater Pump Turbine Steam Supply & Exhaust)	OFD-122A-3.4	12		X
HP & LP Turbine Exhaust & Steam Seal (HP Turbine Inlet, Steam Seal Header & Feedwater Pump Turbine Steam Seals)	OFD-122B-3.1	6		X
Low Pressure Service Water System (Reactor Building Cooling Units)	OFD-124B-3.2	5		X
Component Cooling (Reactor Building Heat Exchangers)	OFD-144A-3.2	6		X

The color code system on these drawings is shown below:

Red      Class 1 System, not exempt from inspection  
Yellow    Class 2 System, not exempt from inspection

### Weld Identification Drawings - Unit 3

The following weld identification drawings have been prepared for Oconee Unit 3:

<u>Drawing Number</u>	<u>Title</u>	<u>Revision</u>
ISI-OCN3-001	Reactor Vessel Weld Outline	0
ISI-OCN3-002	Pressurizer Weld Outline	1
ISI-OCN3-003	Steam Generator A Weld Outline	1
ISI-OCN3-004	Steam Generator B Weld Outline	1
ISI-OCN3-005	Steam Generator 3A Hot Leg to Reactor Vessel	0
ISI-OCN3-006	Steam Generator 3B Hot Leg to Reactor Vessel	1
ISI-OCN3-007	Pump 3A1 Suction Piping	0
ISI-OCN3-008	Pump 3A2 Suction Piping	0
ISI-OCN3-009	Pump 3B1 Suction Piping	0
ISI-OCN3-010	Pump 3B2 Suction Piping	0
ISI-OCN3-011	Pump 3A1 Discharge Piping	1
ISI-OCN3-012	Pump 3A2 Discharge Piping	1
ISI-OCN3-013	Pump 3B1 Discharge Piping	0
ISI-OCN3-014	Pump 3B2 Discharge Piping	0
ISI-OCN3-015	Pressurizer Spray Piping	1
ISI-OCN3-016	Pressurizer Spray Piping	1

ACCURACY STATISTICS FOR EMMA EDWARDS FOR JUNE 1994

DATE	TOTAL TICS	RECORDS CORRECTED	TOTAL RECORDS	TOTAL POSSIBLE ERRORS	ELEMENT ACCURACY RATE	RECORD ACCURACY RATE	OVERALL ACCURACY RATING
940601	2	2	4	56	96.43%	50.00%	84.82
940602	12	6	22	308	96.10%	72.73%	90.26
940603	4	3	25	350	98.86%	88.00%	96.14
940606	6	5	26	364	98.35%	80.77%	93.96
940607	2	1	19	266	99.25%	94.74%	98.12
940608	3	2	22	308	99.03%	90.91%	97.00
940609	7	4	12	168	95.83%	66.67%	88.54
940610	2	2	9	126	98.41%	77.78%	93.25
940613	1	1	19	266	99.62%	94.74%	98.40
940614	4	4	22	308	98.70%	81.82%	94.48
940615	2	2	22	308	99.35%	90.91%	97.24
940616	5	4	23	322	98.45%	82.61%	94.49
940617	5	5	17	238	97.90%	70.59%	91.07
				0	ERR	ERR	ERR
				0	ERR	ERR	ERR
				0	ERR	ERR	ERR
				0	ERR	ERR	ERR
				0	ERR	ERR	ERR
				0	ERR	ERR	ERR
				0	ERR	ERR	ERR
				0	ERR	ERR	ERR
OVERALL TOTAL	55	41	242	3388	98.38%	83.06%	94.55
WEEKLY TOTAL	17	16	103	1442	98.82%	84.47%	95.23
JUNE TOTAL	55	41	242	3388	98.38%	83.06%	94.55

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