FOURTH
TEN-YEAR
INTERVAL
INSERVICE INSPECTION PLAN

DUKE POWER COMPANY
OCONEE NUCLEAR STATION
GENERAL REQUIREMENTS

A Duke Energy Company

FOURTH INTERVAL INSERVICE INSPECTION PLAN

OCONEE NUCLEAR STATION

UNIT 1

GENERAL REQUIREMENTS

REVISION 0

A Duke Energy Company

Prepared By: Larry C. Keith Date 10-22-03

Reviewed By: Gary D. Gambrell Date 10-22-03

Approved By: R. Kevin Rhyne Date 10/22/03

ANII Review: [signature] Date 10/23/03

L. C. Keith
Phone: (704)382-3141
Email: lckeith@duke-energy.com

OCONEE NUCLEAR STATION

GENERAL INFORMATION

Oconee Nuclear Station's Inservice Inspection Plan is comprised of two separate volumes, the first is General Requirements; the second is identified as Unit 1.

Plant Location: Highway 130/183 Seneca, South Carolina 29672

Commercial Service Date:	Oconee Unit 1	July 15, 1973
Fourth Interval Start Date:	Oconee Unit 1	January 1, 2004
Fourth Interval End Date:	Oconee Unit 1	July 15, 2013

Note: The Oconee Unit 1 Fourth Interval ISI plan covers a time period of 9 years and 7.5 months. The reason it does not cover 10 years is because Duke Energy is trying to recapture 4.5 months of grace period that was used in the Oconee Unit 1 Third Interval ISI Plan.

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

TABLE OF CONTENTS

GENERAL REQUIREMENTS

TABLE OF CONTENTS

Oconee Unit 1

1.0 Applicable Codes and Standards for Inservice Inspection

In accordance with the requirements of Paragraph 50.55a(g) of 10CFR Part 50 (August 7, 2003 publication), the inservice inspection of Unit 1 of the Oconee Nuclear Station will be performed in accordance with Inspection Program B of the 1998 Edition of ASME Section XI, thru the 2000 addenda, hereafter referred to as Section XI, subject to the following limitations and modifications:

Paragraph IWB-1220, shall be performed in accordance with 1989 Edition of ASME Section XI as required per Paragraph 50.55a(b)(2)(xi) of 10CFR Part 50.

Paragraph IWB-2500-1, Examination Category B-D (items B3.120 and B3.140) shall be performed in accordance with 1998 Edition of ASME Section XI as required per Paragraph 50.55a(b)(2)(xxi)(A) of 10CFR Part 50. This paragraph allows a VT examination with enhanced magnification to be performed in lieu of the UT examination.

Paragraph IWB-2500-1, Examination Category B-G-2 (items B7.80) shall be performed in accordance with 1995 Edition of ASME Section XI as required per Paragraph 50.55a(b)(2)(xxi)(B) of 10CFR Part 50.

Paragraph IWB-2500-1, Examination Category B-K (items B10.10) shall be performed in accordance with 1995 Addenda of ASME Section XI as required per Paragraph 50.55a(b)(2)(xxi)(C) of 10CFR Part 50.

All 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 Oconee Improved Technical Specifications for Oconee Nuclear Station.

1.1.2 Steam generator tubing will be inspected as required by ASME Section XI and the Oconee Improved Technical Specifications for Oconee Nuclear Station. The Nuclear Support Division, Nuclear Technical Services Section have overall responsibility for this inspection.

1.1.3 Augmented (regulator required) examinations on certain systems or components shall 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 Fourth Interval Inservice Inspection Program at Oconee Unit 1:

1.2.2	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 13.)
1.2.9	Code Case N-648-1	Alternate Requirements for Inner Radius Examinations of Class 1 Reactor Vessel Nozzles, Section XI, Division 1. (This Code Case is approved for use under Regulatory Guide 1.147, Revision 13.)

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-300	"ASME Section XI Program"
NSD-701	"Records Management"
NSD-702	"Document Management"
NSD-800	"Software and Data Quality Assurance (SDQA) Program"
QA-502	"Digitization and Optical Storage of Records
QA-513	"Preparation and Implementation of ASME Section XI Inservice Inspection Plans Including Requirements for Augmented and Elective Examinations"
QA-516	"Evaluation of ISI Indications"
QA-520	"Preparation and Distribution of Inservice Inspection Reports"
QAL-5	"Control Of Preservice And Inservice Inspection Activities"
SDQA-30177-NGO	"ISIDBMS (Inservice Inspection Database Management System)

1.4 License Renewal

This plan is part of an aging management program credited for license renewal, as described in the ONS license renewal basis specification OSS-0274.00-00-0016. When making changes to this plan, refer to the ONS Updated Final Safety Analysis Report (UFSAR), Section 18.3.12.

2.0 System Boundaries Subject to Inspection

The boundaries of Class 1, 2 and 3 non-exempt systems are shown on ISI NDE Boundary Drawings listed in Section 2 of the unit specific volumes. Unless otherwise noted, systems designated as ISI Class 1 are equivalent to Class 1, ISI Class 2 are equivalent to Class 2, and ISI Class 3 are equivalent to Class 3.

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. Reference Section XI, paragraph IWB-1220(a).

2.1.2 Piping of NPS 1" and smaller, except for steam generator tubing. Reference Section XI, paragraph IWB-1220(b) (1).

2.1.3 Components and their connections in piping of NPS 1" and smaller. Reference 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. Reference Section XI, paragraph IWB-1220(c).

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

2.2.1 Vessels, piping, pumps, valves, and their connections in piping NPS 4" and smaller in all systems except high pressure safety injection systems. Reference Section XI, Paragraph IWC-1221(a) (1) (2).

2.2.2 Vessels, piping, pumps, valves, and their connections in piping NPS $1\frac{1}{2}$" and smaller in high pressure safety injection systems. Reference Section XI, Paragraph IWC-1221(b) (1) (2).

2.2.3 Vessels, piping, pumps, valves, and other components and their connections of any size in statically pressurized, passive (i.e., no pumps) safety injection systems. Reference Section XI, Paragraph IWC-1221(c).

2.2.4 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 operation. Reference Section XI, Paragraph IWC-1221(d).

2.3 Class 2 Components Within Systems Other Than RHR, ECC, And CHR Exempted From Volumetric and Surface Examination

2.3.1 For systems except auxiliary feedwater systems: vessels, piping, pumps, valves, and their connections in piping NPS 4" and smaller. Reference Section XI, paragraph IWC-1222(a) (1) (2).

2.3.2 For auxiliary feedwater systems: vessels, piping, pumps, valves, and their connections in piping NPS $1^1/_2$" and smaller. Reference Section XI, Paragraph IWC-1222(b) (1) (2).

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. Reference 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. Reference Section XI, Paragraph IWC-1222(d).

2.4 Class 2 Inaccessible Welds

Welds or portions of welds that are inaccessible due to being encased in concrete, buried underground, located inside a penetration, or encapsulated by guard pipe are exempted from examination requirements. Reference Section XI, Paragraph IWC-1223.

2.5 Class 3 Items Exempted From VT-1 Examination Requirements

2.5.1 Vessels, piping, pumps, valves, and their connections in piping NPS 4" and smaller. Reference Section XI, paragraph IWD-1220(a) (b).

2.5.2 Components that operate at a pressure of 275 psig or less and at a temperature of 200°F or less components that 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. Reference Section XI, Paragraph IWD-1220(c).

2.5.3 Welds or portions of welds that are inaccessible due to being encased in concrete, buried underground, located inside a penetration, or encapsulated by guard pipe are exempted from examination requirements. Reference Section XI, Paragraph IWD-1220(d).

2.6 Class 1, 2, and 3 Supports Exempted From VT-3 Examination Requirements

Supports exempt from the examination requirements of IWF-2000 are those connected to piping and other items exempted from volumetric, surface, or VT-1 or VT-3 visual examination by IWB-1220, IWC-1220, and IWD-1220. In addition, portions of supports that are inaccessible by being encased in concrete, buried underground, or encapsulated by guard pipe. Reference Section XI, Paragraph IWF-1230.

2.7 Examination Boundaries

Section 2 of the Unit specific volumes contain a listing of flow diagrams that are color-coded to identify the NDE examination required on each portion of the system. The code used for NDE examinations are described below:

Red	Class 1 system, not exempted
Yellow	Class 2 system, not exempted
Green	Class 3 system, not exempted
Blue	System (or portions of systems) exempt from examination
Black	System (or portions of systems) that is not ASME Class 1, 2, or 3. This system is not subject to ASME Section XI Requirements.

Revisions to the plant system flow diagrams are reviewed for additions/changes to the ISI boundaries. These additions/changes are incorporated into the ISI NDE Boundary Drawings and the ISI Plan as necessary. These ISI NDE Boundary Drawings are stored electronically and can be found in the Nuclear Electronic Document Library (NEDL). The original marked-up ISI NDE Boundary Drawings are maintained in the General Office. Controlled copies will be issued as required by Document Management.

2.8 Inspection Interval and Inspection Periods

Reference Section 8.0 for a matrix of end of cycle vs. outage nomenclature.

Fourth Inspection Interval

Unit 1

Start Date			End Date
01/01/2004	01/01/2007	07/15/2010	7-15-2013
1ST Period	2ND Period	3RD Period	
Outage 1 (EOC 22)	Outage 3 (EOC 24)	Outage 5 (EOC 26)	
Outage 2 (EOC 23)	Outage 4 (EOC 25)	Outage 6 (EOC 27)	

Note: The Oconee Unit 1 Fourth Interval ISI plan covers a time period of 9 years and 7.5 months. The reason it does not cover 10 years is because Duke Energy is trying to recapture 4.5 months of grace period that was used in the Oconee Unit 1 Third Interval ISI Plan.

3.0 Inspection Methods and Procedures to be used for Inservice Inspection

Inservice inspection of Oconee Unit 1 will be performed using procedures which comply with the requirements of the applicable codes referenced in Section 1 of this plan. Volumetric, surface, and visual 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 "54 ISI" are found in the Framatome Technologies' 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 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. The Nuclear Support Division, Nuclear Technical Services Section have overall responsibility for implementing and reporting any inspections pertaining to the Steam Generator Tubes.

3.2 Surface Inspection

Surface inspection will be performed using either liquid penetrant or magnetic particle methods. 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

Inservice inspection pressure testing requirements will be addressed in the Duke Energy Corporation Inservice Inspection Pressure Test Plan.

3.5 Snubber Testing

The Inservice Testing and Inspection of Snubbers (IWF-5000) will be performed per Selected Licensee Commitments, Section 16.9.18. The site Mechanical/Civil Engineering Section will be responsible for all testing, inspecting, and reporting under this program.

3.6 Inspection Procedures

The following procedures will be used for the inservice inspection of Oconee Unit 1:

PROCEDURE NO.	TITLE
EPRI-NDEC-UT-X	Ultrasonic Examination of Small Diameter Piping Butt Welds and Components for Thermal Fatigue
NDE-12	General Radiography Procedure for Preservice and Inservice Inspection
NDE-25	Magnetic Particle Examination
NDE-35	Liquid Penetrant Examination
NDE-105	Radiography Procedure For The Examination Of Oconee Nuclear Station Thermal Sleeves
NDE-600	Ultrasonic Examination of Similar Metal Piping Welds in Wrought Ferritic and Austenitic Material
NDE-620	Ultrasonic Examination of Welds in Wrought Ferritic Pressure Vessels Greater than 2 Inches in Thickness
NDE-640	Straight Beam Ultrasonic Examination of Welds and Base Material in Pressure Vessels and Piping
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-690	Ultrasonic Examination of the High Pressure Injection System Nozzle Inner Radius at Oconee Nuclear Station.
NDE-820	Ultrasonic Examination of Welds in Ferritic Pressure Vessels Greater than 2 Inches in Thickness
NDE-900	Ultrasonic Examination of Reactor Coolant Pump Flywheels
NDE-946	Ultrasonic Thickness Measurement For Erosion/Corrosion Examinations
NDE-960	Ultrasonic Examination of High Pressure Injection System Piping Welds and Base Material at Oconee Nuclear Station

PROCEDURE NO.	TITLE
NDE-970	Ultrasonic Examination Of Ferritic Pressure Vessel Welds Greater Than 7 ½ Inches In Thickness at Oconee Nuclear Station
NDE-3630	Ultrasonic Examination of Similar Metal Welds in Wrought Ferritic and Austenitic Pressure Vessels and Valve Bodies at Oconee Nuclear Station
NDE-3650	Ultrasonic Examination of Reactor Vessel Flange to Shell Welds
NDE-3680	Ultrasonic Examination of Steam Generator Inlet and Outlet Nozzle Inner Radius
NDE-3945	Ultrasonic Examination of Main Steam Stop Valve Studs at Oconee Nuclear Station
NDE-3952	Ultrasonic Examination of Steam Generator Support Skirt Welds at Oconee Nuclear Station
NDE-3960	Ultrasonic Examination of High Pressure Injection System Piping Welds and Base Material at Oconee Nuclear Station
QAL-13	ISI Visual Examination, VT-1
QAL-14	ISI Visual Examination, VT-3
PDI-UT-1	PDI Generic Procedure for the Ultrasonic Examination of Ferritic Pipe Welds
PDI-UT-2	PDI Generic Procedure for the Ultrasonic Examination of Austenitic Pipe Welds
PDI-UT-4	PDI Generic Procedure for the Ultrasonic Examination of Studs and Bolts From the Bore
PDI-UT-5	Generic Procedure for Straight Beam Ultrasonic Examination of Bolts and Studs
PDI-UT-6	Generic Procedure for the Manual Ultrasonic Examination of Reactor Pressure Vessel Welds (Note: The following procedure may be used for examination of pressure vessels in lieu of procedure NDE-620. Use of this procedure will require that the UT inspector be qualified specifically to PDI-UT-6.)
PDI-UT-10	PDI Generic Procedure for the Ultrasonic Examination of Dissimilar Metal Piping Welds

PROCEDURE NO.	TITLE
54-ISI-106	Procedure for the Remote Ultrasonic Examination of Reactor Vessel and Associated Piping Welds using Remote Manipulators and the Accusonex $_{TM}$ Acquisition and Analysis System
54-ISI-364	Remote Underwater In-Vessel Visual Inspection of Reactor Pressure Vessels, Vessel Internals, and Components in Pressurized Water Reactors
54-ISI-800	Remote Ultrasonic Examination of Reactor Vessel Welds in Accordance with ASME Section XI, Appendix VIII, Supplements 4 and 6 (includes CA's # FTI-00-002, DB-00-003, DB-00-004, and 97-001)

The latest revision of each procedure that has been approved by Duke Power Company for Oconee Nuclear Station Unit 1 will be used. Duke Power approval of Framatome Technologies procedures will be indicated by the signature of the Manager QA Technical Services, or his designee, on the title page of the Framatome Technologies Inservice Inspection Manual for Oconee Nuclear Station.

4.0 Description of 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. A description of examination listings and schedules are found in Section 8 of this Plan. Class 1 examinations were scheduled for the Fourth Inspection Interval in accordance with the following table from ASME Section XI Inspection Program B:

Table IWB-2412-1

Inspection Interval	Inspection Period, Calendar Years of Plant Service Within the Interval	Minimum Examinations Completed, %	Maximum Examinations Credited, %
4th	3	16	50
	7	50 Note 1	75
	10	100	100

Note 1: If the first period completion percentage for any examination category exceeds 34%, at least 16% of the required examinations shall be performed in the second period.

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)

Class 1 Items to be inspected includes:

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

IWB-2500-1 Item No.	Component To Be Examined	Comments
B1.10	**Shell Welds**	
B1.11	Circumferential	
B1.12	Longitudinal	
B1.20	**Head Welds**	
B1.21	Circumferential	

Category B-A (cont.)

IWB-2500-1 Item No.	Component To Be Examined	Comments
B1.22	Meridional	N/A for Oconee 1
B1.30	Shell-to-Flange Weld	
B1.40	Head-to-Flange Weld	
B1.50	**Repair Welds**	
B1.51	Beltline region	N/A for Oconee 1

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

IWB-2500-1 Item No.	Component To Be Examined	Comments
	Pressurizer	
B2.10	**Shell-to-Head**	
B2.11	Circumferential	
B2.12	Longitudinal	
B2.20	**Head Welds**	
B2.21	Circumferential	N/A for Oconee 1
B2.22	Meridional	N/A for Oconee 1
	Steam Generators (Primary Side)	
B2.30	**Head Welds**	
B2.31	Circumferential	N/A for Oconee 1
B2.32	Meridional	N/A for Oconee 1
B2.40	Tubesheet-to-Head Weld	

Category B-B (cont.)

IWB-2500-1 Item No.	Component To Be Examined	Comments
	Heat Exchangers (Primary Side) - Head	
B2.50	**Head Welds**	
B2.51	Circumferential	
B2.52	Meridional	N/A for Oconee 1
	Heat Exchangers (Primary Side) - Shell	
B2.60	Tubesheet-to-Head Welds	
B2.70	Longitudinal Welds	N/A for Oconee 1
B2.80	Tubesheet-to-Shell Welds	N/A for Oconee 1

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

IWB-2500-1 Item No.	Component To Be Examined	Comments
	Reactor Vessel	
B3.90	Nozzle-to-Vessel Welds	
B3.100	Nozzle Inside Radius Section	
	Pressurizer	
B3.110	Nozzle-to-Vessel Welds	
B3.120	Nozzle Inside Radius Section	Reference General Requirements Section 1.0
	Steam Generators (Primary Side)	
B3.130	Nozzle-to-Vessel Welds	
B3.140	Nozzle Inside Radius Section	Reference General Requirements Section 1.0

Category B-D (cont.)

IWB-2500-1 Item No.	Component To Be Examined	Comments
	Heat Exchangers (Primary Side)	
B3.150	Nozzle-to-Vessel Welds	
B3.160	Nozzle Inside Radius Section	

Category B-F Pressure Retaining Dissimilar Metal Welds in Vessel Nozzles

IWB-2500-1 Item No.	Component To Be Examined	Comments
	Reactor Vessel	
B5.10	NPS 4 or Larger Nozzle-to-Safe End Butt Welds	
B5.20	Less Than NPS 4 Nozzle-to-Safe End Butt Welds	N/A for Oconee 1
B5.30	Nozzle-to-Safe End Socket Welds	N/A for Oconee 1
	Pressurizer	
B5.40	NPS 4 or Larger Nozzle-to-Safe End Butt Welds	
B5.50	Less Than NPS 4 Nozzle-to-Safe End Butt Welds	
B5.60	Nozzle-to-Safe End Socket Welds	N/A for Oconee 1
	Steam Generator	
B5.70	NPS 4 or Larger Nozzle-to-Safe End Butt Welds	N/A for Oconee 1
B5.80	Less Than NPS 4 Nozzle-to-Safe End Butt Welds	N/A for Oconee 1
B5.90	Nozzle-to-Safe End Socket Welds	N/A for Oconee 1

Category B-F (cont.)

IWB-2500-1 Item No.	Component To Be Examined	Comments
	Heat Exchangers	
B5.100	NPS 4 or Larger Nozzle-to-Safe End Butt Welds	N/A for Oconee 1
B5.110	Less Than NPS 4 Nozzle-to-Safe End Butt Welds	N/A for Oconee 1
B5.120	Nozzle-to-Safe End Socket Welds	N/A for Oconee 1

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

IWB-2500-1 Item No.	Component To Be Examined	Comments
	Reactor Vessel	
B6.10	Closure Head Nuts	
B6.20	Closure Studs, in place	Closure studs are examined when removed, see B6.30
B6.30	Closure Studs, when removed	
B6.40	Threads in Flange	
B6.50	Closure Washers, Bushings	
	Pressurizer	
B6.60	Bolts and Studs	
B6.70	Flange Surface, when connection disassembled	
B6.80	Nuts, Bushings, and Washers	
	Steam Generators	
B6.90	Bolts and Studs	N/A for Oconee 1
B6.100	Flange Surface, when connection disassembled	N/A for Oconee 1
B6.110	Nuts, Bushings, and Washers	N/A for Oconee 1

Category B-G-1 (cont.)

IWB-2500-1 Item No.	Component To Be Examined	Comments
	Heat Exchangers	
B6.120	Bolts and Studs	N/A for Oconee 1
B6.130	Flange Surface, when connection disassembled	N/A for Oconee 1
B6.140	Nuts, Bushing, and Washers	N/A for Oconee 1
	Piping	
B6.150	Bolts and Studs	N/A for Oconee 1
B6.160	Flange Surface, when connection disassembled	N/A for Oconee 1
B6.170	Nuts, Bushing, and Washers	N/A for Oconee 1
	Pumps	
B6.180	Bolts and Studs	
B6.190	Flange Surface, when connection disassembled	
B6.200	Nuts, Bushings, and Washers	N/A for Oconee 1
	Valves	
B6.210	Bolts and Studs	N/A for Oconee 1
B6.220	Flange Surface, when connection disassembled	N/A for Oconee 1
B6.230	Nuts, Bushings, and Washers	N/A for Oconee 1

Category B-G-2	Pressure Retaining Bolting, 2 in. And Less In Diameter	
IWB-2500-1 Item No.	**Component To Be Examined**	**Comments**
	Reactor Vessel	
B7.10	Bolts, Studs, and Nuts	N/A for Oconee 1
	Pressurizer	
B7.20	Bolts, Studs, and Nuts	
	Steam Generators	
B7.30	Bolts, Studs, and Nuts	
	Heat Exchangers	
B7.40	Bolts, Studs, and Nuts	N/A for Oconee 1
	Piping	
B7.50	Bolts, Studs, and Nuts	
	Pumps	
B7.60	Bolts, Studs, and Nuts	
	Valves	
B7.70	Bolts, Studs, and Nuts	
	CRD Housing	
B07.80	Bolts, Studs, and Nuts	Reference General Requirements Section 1.0

Category B-J	Pressure Retaining Welds In Piping	
IWB-2500-1 Item No.	**Component To Be Examined**	**Comments**
B9.10	**NPS 4 or Larger**	
B9.11	Circumferential Welds	
B9.20	**Less Than NPS 4**	
B9.21	Circumferential Welds	

Category B-J (cont.)

IWB-2500-1 Item No.	Component To Be Examined	Comments
B9.30	**Branch Pipe Connection Welds**	
B9.31	NPS 4 or Larger	
B9.32	Less Than NPS 4	
B9.40	Socket Welds	

Category B-K **Welded Attachments For Vessels, Piping, Pumps, And Valves**

IWB-2500-1 Item No.	Component To Be Examined	Comments
	Pressure Vessels	
B10.10	Welded Attachments	Reference General Requirements Section 1.0
	Piping	
B10.20	Welded Attachments	
	Pumps	
B10.30	Welded Attachments	N/A for Oconee 1
	Valves	
B10.40	Welded Attachments	N/A for Oconee 1

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 Item No.	Component To Be Examined	Comments
	Pumps	
B12.10	Pump Casing Welds (B-L-1)	
B12.20	Pump Casing (B-L-2)	

Category B-L-1, B-M-1, B-L-2, and B-M-2 (cont.)

IWB-2500-1 Item No.	Component To Be Examined	Comments
	Valves	
B12.30	Valves, Less Than NPS 4 Valve Body Welds (B-M-1)	
B12.40	Valves, NPS 4 or Larger Valve Body Welds (B-M-1)	N/A for Oconee 1
B12.50	Valve Body, Exceeding NPS 4 (B-M-2)	

Category B-N-1 Interior Of Reactor Vessel
B-N-2 Welded Core Support Structures And Interior Attachments To Reactor Vessels
B-N-3 Removable Core Support Structures

IWB-2500-1 Item No.	Component To Be Examined	Comments
	Reactor Vessel	
B13.10	Vessel Interior (B-N-1)	Each Inspection Period
	Reactor Vessel (PWR)	
B13.50	Interior Attachments Within Beltline Region (B-N-2)	
B13.60	Interior Attachments Beyond Beltline Region (B-N-2)	N/A for Oconee 1
B13.70	Core Support Structure (B-N-3)	

Category B-0 Pressure Retaining Welds In Control Rod Housings

IWB-2500-1 Item No.	Component To Be Examined	Comments
	Reactor Vessel	
B14.10	Welds in CRD Housing	

Category B-P All Pressure Retaining Components

IWB-2500-1 Item No.	Component To Be Examined	Comments
	Reactor Vessel	
B15.10	Pressure Retaining Boundary	Reference Duke Energy Corporation Inservice Inspection Pressure Test Plan
	Pressurizer	
B15.20	Pressure Retaining Boundary	Reference Duke Energy Corporation Inservice Inspection Pressure Test Plan
	Steam Generators	
B15.30	Pressure Retaining Boundary	Reference Duke Energy Corporation Inservice Inspection Pressure Test Plan
	Heat Exchangers	
B15.40	Pressure Retaining Boundary	Reference Duke Energy Corporation Inservice Inspection Pressure Test Plan
	Piping	
B15.50	Pressure Retaining Boundary	Reference Duke Energy Corporation Inservice Inspection Pressure Test Plan
	Pumps	
B15.60	Pressure Retaining Boundary	Reference Duke Energy Corporation Inservice Inspection Pressure Test Plan
	Valves	
B15.70	Pressure Retaining Boundary	Reference Duke Energy Corporation Inservice Inspection Pressure Test Plan

Category B-Q **Steam Generator Tubing**

IWB-2500-1 Item No.	Component To Be Examined	Comments
B16.10	Steam Generator Tubing in Straight Tube Design	Steam Generator Tubing is examined and documented by the Nuclear Support Division, Nuclear Technical Services Section as required by the Oconee Improved Technical Specifications.
B16.20	Steam Generator Tubing in U-Tube Design	N/A for Oconee 1

CATEGORY F-A **Supports**

IWF-2500-1 Item No.	Component To Be Examined	Comments
F1.10	Class 1 Piping Supports (Category A)	
F1.11	Class 1 Piping Supports (Category B)	
F1.12	Class 1 Piping Supports (Category C)	
F1.40	Supports Other Than Piping Supports (Class 1)	

4.2 Examination Category B-J Stress 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

Item Number	Weld Number	Piping Isometric	Flow Diagram
B09.011.020	1-PDB1-2	ISI-OCN1-013	O-ISIN4-100A-1.1
B09.011.022	1-PDB2-2	ISI-OCN1-014	O-ISIN4-100A-1.1
B09.011.030	1-PIA1-1	ISI-OCN1-007	O-ISIN4-100A-1.1
B09.011.031	1-PIA1-7	ISI-OCN1-007	O-ISIN4-100A-1.1
B09.011.032	1-PIA1-9	ISI-OCN1-007	O-ISIN4-100A-1.1
B09.011.033	1-PIA2-1	ISI-OCN1-008	O-ISIN4-100A-1.1
B09.011.034	1-PIA2-7	ISI-OCN1-008	O-ISIN4-100A-1.1
B09.011.035	1-PIB1-1	ISI-OCN1-009	O-ISIN4-100A-1.1
B09.011.036	1-PIB1-7	ISI-OCN1-009	O-ISIN4-100A-1.1
B09.011.037	1-PIB1-9	ISI-OCN1-009	O-ISIN4-100A-1.1
B09.011.038	1-PIB2-1	ISI-OCN1-010	O-ISIN4-100A-1.1
B09.011.039	1-PIB2-7	ISI-OCN1-010	O-ISIN4-100A-1.1
B09.011.040	1-PSL-1	ISI-OCN1-015	O-ISIN4-100A-1.1
B09.011.041	1-PSL-10	ISI-OCN1-015	O-ISIN4-100A-1.1
B09.011.042	1-PSL-2	ISI-OCN1-015	O-ISIN4-100A-1.1
B09.011.043	1-PSL-3	ISI-OCN1-015	O-ISIN4-100A-1.1
B09.011.044	1-PSL-4	ISI-OCN1-015	O-ISIN4-100A-1.1
B09.011.045	1-PSL-5	ISI-OCN1-015	O-ISIN4-100A-1.1
B09.011.046	1-PSL-6	ISI-OCN1-015	O-ISIN4-100A-1.1

Item Number	Weld Number	Piping Isometric	Flow Diagram
B09.011.047	1-PSL-7	ISI-OCN1-015	O-ISIN4-100A-1.1
B09.011.048	1-PSL-8	ISI-OCN1-015	O-ISIN4-100A-1.1
B09.011.049	1-PSL-9	ISI-OCN1-015	O-ISIN4-100A-1.1
B09.011.051	1-PSP-2	ISI-OCN1-016	O-ISIN4-100A-1.2
B09.011.052	1-PSP-3	ISI-OCN1-016	O-ISIN4-100A-1.2
B09.011.054	1-PIA1-4	ISI-OCN1-007	O-ISIN4-100A-1.1
B09.011.055	1-PIA1-2	ISI-OCN1-007	O-ISIN4-100A-1.1
B09.011.056	1-PIA2-2	ISI-OCN1-008	O-ISIN4-100A-1.1
B09.011.057	1-PIA2-4	ISI-OCN1-008	O-ISIN4-100A-1.1
B09.011.058	1-PIA2-9	ISI-OCN1-008	O-ISIN4-100A-1.1
B09.011.059	1-PIB1-4	ISI-OCN1-009	O-ISIN4-100A-1.1
B09.011.060	1-PIB2-4	ISI-OCN1-010	O-ISIN4-100A-1.1
B09.011.061	1-PIB2-9	ISI-OCN1-010	O-ISIN4-100A-1.1
B09.021.028	1-PSP-11	ISI-OCN1-016	O-ISIN4-100A-1.2
B09.021.029	1-PSP-12	ISI-OCN1-016	O-ISIN4-100A-1.2
B09.021.030	1-PSP-13	ISI-OCN1-016	O-ISIN4-100A-1.2
B09.021.031	1-PSP-14	ISI-OCN1-016	O-ISIN4-100A-1.2
B09.021.032	1-PSP-4	ISI-OCN1-016	O-ISIN4-100A-1.2
B09.021.033	1-PSP-5	ISI-OCN1-016	O-ISIN4-100A-1.2
B09.021.034	1-PSP-6	ISI-OCN1-016	O-ISIN4-100A-1.2
B09.021.035	1-PSP-8	ISI-OCN1-016	O-ISIN4-100A-1.2
B09.021.036	1-PSP-9	ISI-OCN1-016	O-ISIN4-100A-1.2
B09.021.037	1HP-190-16	1HP-190	O-ISIN4-101A-1.4
B09.021.041	1HP-277-52	1HP-277	O-ISIN4-101A-1.4

Item Number	Weld Number	Piping Isometric	Flow Diagram
B09.021.043	1HP-278-24	1HP-278	O-ISIN4-101A-1.4
B09.021.044	1HP-279-24	1HP-279	O-ISIN4-101A-1.4
B09.021.046	1RC-199-149	1RC-199	O-ISIN4-101A-1.4
B09.021.047	1RC-199-150	1RC-199	O-ISIN4-100A-1.1
B09.021.048	1RC-200-160	1RC-200	O-ISIN4-100A-1.1
B09.021.049	1RC-200-161	1RC-200	O-ISIN4-100A-1.1
B09.021.050	1RC-200-166	1RC-200	O-ISIN4-100A-1.1
B09.021.051	1RC-201-101	1RC-201	O-ISIN4-101A-1.4
B09.021.052	1RC-201-105	1RC-201	O-ISIN4-101A-1.4
B09.021.053	1RC-201-91	1RC-201	O-ISIN4-101A-1.4
B09.021.054	1RC-201-92	1RC-201	O-ISIN4-101A-1.4
B09.021.055	1RC-201-96	1RC-201	O-ISIN4-101A-1.4
B09.021.056	1RC-201-97	1RC-201	O-ISIN4-101A-1.4
B09.021.057	1RC-230-53	1RC-230	O-ISIN4-100A-1.2
B09.021.058	1RC-230-54	1RC-230	O-ISIN4-100A-1.2
B09.031.001	1-PHA-16	ISI-OCN1-005	O-ISIN4-100A-1.1
B09.032.001	1-PDA1-10	ISI-OCN1-011	O-ISIN4-100A-1.1
B09.032.002	1-PDA1-12	ISI-OCN1-011	O-ISIN4-100A-1.1
B09.032.003	1-PDA2-10	ISI-OCN1-012	O-ISIN4-100A-1.1
B09.032.004	1-PDB1-10	ISI-OCN1-013	O-ISIN4-100A-1.1
B09.032.005	1-PDB2-10	ISI-OCN1-014	O-ISIN4-100A-1.1

5.0 Description of 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. A description of examination listings and schedules are found in Section 8 of this Plan. Class 2 examinations were scheduled for the Fourth Inspection Interval in accordance with the following table from ASME Section XI Inspection Program B:

Tables IWC-2412-1

Inspection Interval	Inspection Period, Calendar Years of Plant Service Within the Interval	Minimum Examinations Completed, %	Maximum Examinations Credited, %
4th	3	16	50
	7	50 Note 1	75
	10	100	100

Note 1: If the first period completion percentage for any examination category exceeds 34%, at least 16% of the required examinations shall be performed in the second period.

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)

Class 2 Items to be inspected includes:

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

IWC-2500-1 Item No.	Component To Be Examined	Comments
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

IWC-2500-1 Item No.	Component To Be Examined	Comments
C2.10	**Nozzles in Vessels ≤ 1/2 in. Nominal Thickness**	
C2.11	Nozzle-to-Shell (Nozzle to Head or Nozzle to Nozzle) Weld	N/A for Oconee 1
C2.20	**Nozzles Without Reinforcing Plate in Vessels > 1/2 in. Nominal Thickness**	
C2.21	Nozzle-to-Shell (Nozzle to Head or Nozzle to Nozzle) Weld	
C2.22	Nozzle Inside Radius Section	
C2.30	**Nozzles With Reinforcing Plate in Vessels > 1/2 in. Nominal Thickness**	
C2.31	Reinforcing Plate Welds to Nozzle and Vessel	
C2.32	Nozzle-to-Shell (Nozzle to Head or Nozzle to Nozzle) Welds When Inside of Vessel is Accessible	N/A for Oconee 1
C2.33	Nozzle-to-Shell (Nozzle to Head or Nozzle to Nozzle) Welds When Inside of Vessel is Inaccessible	Reference Duke Energy Corporation Inservice Inspection Pressure Test Plan

Category C-C Welded Attachments For Vessels, Piping, Pumps, And Valves

IWC-2500-1 Item No.	Component To Be Examined	Comments
	Pressure Vessels	
C3.10	Welded Attachments	
	Piping	
C3.20	Welded Attachments	
	Pumps	
C3.30	Welded Attachments	

Category C-C (cont.)

	Valves	
C3.40	Welded Attachments	N/A for Oconee 1

Category C-D **Pressure Retaining Bolting Greater Than 2 in. In Diameter**

IWC-2500-1 Item No.	Component To Be Examined	Comments
	Pressure Vessels	
C4.10	Bolts and Studs	N/A for Oconee 1
	Piping	
C4.20	Bolts and Studs	N/A for Oconee 1
	Pumps	
C4.30	Bolts and Studs	
	Valves	
C4.40	Bolts and Studs	

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

IWC-2500-1 Item No.	Component To Be Examined	Comments
C5.10	**Piping Welds $\geq$ $^{3}/_{8}$ in. Nominal Wall Thickness for Piping > NPS 4**	
C5.11	Circumferential Weld	
C5.20	**Piping Welds $>$ $^{1}/_{5}$ in. Nominal Wall Thickness for Piping $\geq$ NPS 2 and $\leq$ NPS 4**	
C5.21	Circumferential Weld	
C5.30	Socket Welds	

Category C-F-1 (cont.)

C5.40	**Pipe Branch Connections of Branch Piping ≥ NPS 2**
C5.41	Circumferential Weld

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

IWC-2500-1 Item No.	Component To Be Examined	Comments
C5.50	**Piping Welds ≥ 3/8 in. Nominal Wall Thickness for Piping > NPS 4**	
C5.51	Circumferential Weld	
C5.60	**Piping Welds >1/5 in. Nominal Wall Thickness for Piping ≥ NPS 2 and ≤ NPS 4**	
C5.61	Circumferential Weld	N/A for Oconee 1
C5.70	Socket Welds	
C5.80	**Pipe Branch Connections of Branch Piping ≥ NPS 2**	
C5.81	Circumferential Weld	

Category C-G Pressure Retaining Welds In Pumps And Valves

IWC-2500-1 Item No.	Component To Be Examined	Comments
	Pumps	
C6.10	Pump Casing Welds	N/A for Oconee 1
	Valves	
C6.20	Valve Body Welds	

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

IWC-2500-1 Item No.	Component To Be Examined	Comments
C7.10	Pressure retaining components	Reference Duke Energy Corporation Inservice Inspection Pressure Test Plan

CATEGORY F-A **SUPPORTS**

IWF-2500-1 Item No.	Component To Be Examined	Comments
F1.20	Class 2 Piping Supports (Category A)	
F1.21	Class 2 Piping Supports (Category B)	
F1.22	Class 2 Piping Supports (Category C)	
F1.40	Supports Other Than Piping Supports (Class 2)	

6.0 Description of 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. A description of examination listings and schedules are found in Section 8 of this Plan. Class 3 examinations were scheduled for the Fourth Inspection Interval in accordance with the following table from ASME Section XI Inspection Program B:

Tables IWD-2412-1

Inspection Interval	Inspection Period, Calendar Years of Plant Service Within the Interval	Minimum Examinations Completed, %	Maximum Examinations Credited, % [Note 1]
4th	3	16	50
	7	50 Note 1	75
	10	100	100

Note 1: If the first period completion percentage for any examination category exceeds 34%, at least 16% of the required examinations shall be performed in the second period.

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 includes:

Category D-A **Welded Attachments for Vessels, Piping, Pumps, and Valves**

IWD-2500-1 Item No.	Component to be Examined	Comments
	Pressure Vessels	
D1.10	Welded Attachments	
	Piping	
D1.20	Welded Attachments	
	Pumps	
D1.30	Welded Attachments	N/A for Oconee 1

Category D-A (cont.)

IWD-2500-1 Item No.	Component to be Examined	Comments
	Valves	
D1.40	Welded Attachments	

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

IWD-2500-1 Item No.	Component To Be Examined	Comments
D2.10	Pressure retaining components	Reference Duke Energy Corporation Inservice Inspection Pressure Test Plan
D2.20	Pressure retaining components	Reference Duke Energy Corporation Inservice Inspection Pressure Test Plan

Category F-A **Supports**

IWF-2500-1 Item No.	Component to be Examined	Comments
F1.30	Class 3 Piping Supports (Category A)	
F1.31	Class 3 Piping Supports (Category B)	
F1.32	Class 3 Piping Supports (Category C)	
F1.40	Supports Other than Piping Supports (Class 3)	

7.0 Description of Augmented and Elective Inservice Inspection Plan

Augmented inservice inspections (regulator required) shall be performed as required in Section 1 of this Plan. Elective inservice inspections are performed for Duke Power Company (owner) defined reasons. A description of examination listings and schedules are found in Section 8 of this Plan.

Augmented and elective examination information found within this Inservice Inspection Plan is not required by the ASME Section XI Code; therefore, it is exempt from ANII review, verification and/or record certification.

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 require 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. Results of the examination will be evaluated by the original acceptance criteria and compared with the original examination data to ensure the absence of unacceptable defects. Reference Oconee Improved Technical Specification 5.5.8.

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

Volumetric examinations shall be performed on all HPI Safe Ends as a result of NRC Generic Letter 85-20, Generic Issue 69. These items shall be scheduled for every other outage for the duration of the plant's operation. This schedule cannot be changed. The specific areas to be examined are as described below and are assigned a unique item number:

Ultrasonic examination on the Nozzle Inside Radius (knuckle area). Item Numbers are as follows:

Oconee Unit 1
G02.001.005A for 1A1
G02.001.005B for 1A2
G02.001.005C for 1B1
G02.001.005D for 1B2

Ultrasonic examination on the Nozzle to Safe End weld. Item Numbers are as follows:

Oconee Unit 1
G02.001.006A for 1A1
G02.001.006B for 1A2
G02.001.006C for 1B1
G02.001.006D for 1B2

Ultrasonic examination on the Safe End base metal (from the Nozzle to Safe End weld to the Safe End to Pipe weld. Item Numbers are as follows:

Oconee Unit 1
G02.001.007A for 1A1
G02.001.007B for 1A2
G02.001.007C for 1B1
G02.001.007D for 1B2

Ultrasonic examination on the Safe End to Pipe Weld and adjacent piping base metal out to the block valve weld. Item Numbers are as follows:

Oconee Unit 1
G02.001.008A for 1A1
G02.001.008B for 1A2
G02.001.008C for 1B1
G02.001.008D for 1B2

Ultrasonic examination on the Pipe weld to block valve. Item Numbers are as follows:

Oconee Unit 1
G02.001.010A for 1A1
G02.001.010B for 1A2
G02.001.010C for 1B1
G02.001.010D for 1B2

Radiography shall be performed between the Nozzle to Safe End and Safe End to Pipe weld in the Thermal Sleeve expansion area. Item Numbers are as follows:

Oconee Unit 1
G02.001.011A for 1A1
G02.001.011B for 1A2
G02.001.011C for 1B1
G02.001.011D for 1B2

The inspection techniques, areas of interest, and acceptance criteria are defined in the applicable inspection procedures for these items. The inspection procedure numbers are referenced with the items to be inspected in the outage specific portion of the ISI Plan.

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 shall be continued for the duration of the plant's operation. These examinations are required by USNRC Bulletin 88-11.

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

Volumetric examinations (UT) shall be performed on the weld and base material. The UT shall be performed once each inspection period (i.e., three inspections per ten year interval). These examinations shall be continued for the duration of the plant's operation. These examinations are required by USNRC Bulletin 88-08.

7.1.5 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 Palo Verde and Palisades nuclear stations. These examinations will continue to be performed until such time that Engineering provides directions on when to remove them from the Augmented Section of the ISI Plan.

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

A surface examination shall be performed during the fourth interval on the branch connection dissimilar metal weld that attaches each of ten (10) RTE mounting bosses to the reactor coolant system loop piping. This elective examination will be performed at the direction of the GO Engineering, Materials/Aging Management Group.

8.0 Description of Examination Listings

All ASME Class 1, 2, and 3 systems and components have been reviewed to determine the inservice examination requirements for Oconee Unit 1. 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 examinations to be performed during each Refueling Outage that accompany this ISI Plan will reflect the refueling outages as shown below. These numbers will correlate back to the End of Cycles Number for Unit 1.

Unit 1

Outage No.	1	2	3	4	5	6
End of Cycle No.	22	23	24	25	26	27

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, Class 2, and Class 3 items are similar to Item numbers assigned in Tables IWB-2500-1, IWC-2500-1 and IWD-2500-1 of Section XI. Example B09.011.001

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	(rods in one direction only)
F01.021	=	Category B	(multi-directional hangers)
F01.022	=	Category C	(thermal movement, i.e. springs, snubbers and constant supports)

Class 3

F01.030	=	Category A	(rods in one direction only)
F01.031	=	Category B	(multi-directional hangers)
F01.032	=	Category C	(thermal movement, i.e. springs, snubbers and constant supports)

The last section of the Item Number is made up by a three or four character sequence to uniquely identify that inspection. Example F01.020.001.

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 Line Piping
PSP	Pressurizer Spray Piping
DT	Decay Tank
DHRC	Decay Heat Removal Cooler
LDCA	Letdown Cooler A
LDCB	Letdown Cooler B
BWST	Borated Water Storage Tank
LPCA	Low Pressure Injection Cooler A
LPCB	Low Pressure Injection Cooler B
SSF	Stand-by Shutdown Facility Make-Up Pump
EFDW-MD-PU	Emergency Feedwater Motor Driven Pump
EFDW-PT	Emergency Feedwater Pump Turbine
EFDW-TD-PU	Emergency Feedwater Turbine Driven Pump
LS	Letdown Storage
JWHX	Jacket Water Heat Exchanger
RB-CC	Reactor Building Cooling Coils
HPI	High Pressure Injection

LPI	Low Pressure Injection
CS	Coolant Storage Quench Tank
ESVP	Essential Siphon Vacuum Pump
LO	Lube Oil
MCD	Main Condenser
UST	Upper Surge Tank
RBS-PU	Reactor Building Spray Pump
RCSR	Reactor Coolant Seal Return
STR	Strainer
SF	Spent Fuel
01A, MS, SD	Main Steam
03, FDW	Feedwater Pumps Discharge
03A	Emergency 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, LPSW, LPS	Low Pressure Service Water System
20B-21	Penetration, Room Vent, and Reactor Bldg. Purge
50, RC	Reactor Coolant System
51, HP	High Pressure Injection
51A, HP	HP Injection and Let Down
53A, LP	LP Injection; Core Flood, and Decay Heat Removal
53B, LP	LP Injection; and Decay Heat Removal

54A	Reactor Building Spray Pumps; Suction and Discharge
55, CC	Component Cooling; Closed System
56, SF	Spent Fuel Cooling
57	Vents Reactor Bldg. Components
59	Drains Reactor Bldg. 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 (i.e., OM-201-597). Drawing numbers beginning with "OFD", and "KFD" followed by a four digit number are system flow diagrams (i.e., O-ISIN4-100A-1.1). Drawing numbers beginning with "O-ISIN4" are ISI boundary drawings (i.e., O-ISIN4-100A-1.1).

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:

EVT-1	Enhanced VT-1 Inspection (ISI Visual Inspection)
PT	Liquid Penetrant Inspection
MT	Magnetic Particle Inspection
RT	Radiographic Inspection
UT	Ultrasonic Inspection
VT-1	ISI Visual Inspection
VT-3	ISI Visual Inspection (General Condition of Components and Supports)

8.1.6 Procedure

The procedures to be used for the examinations were selected by the NDE Level III, for the inspection methods discussed in Section 3 of this plan. The designation "TBD" (to be determined) is used to indicate cases where the procedure is in the process of being written.

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.

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 dimension listed for support attachment welds is the thickness of the attachment base material.

8.1.10 Calibration Block

The calibration block(s) to be used for the UT examinations 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 are found in the Unit 1 volume of this plan.

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 to the Nuclear Regulatory Commission for approval.

The following is a listing of the Requests for Relief submitted for use:

Serial Number	Description	Units Affected	Date RFR Submitted	Date SER Approved	Comments
03-006	Request for Alternative to IWF-5000 OM - 1987, Part 4, snubber examinations.	1	Pending		

10.0 Calibration Standards

10.1 Ultrasonic Calibration Standards

10.1.1 Calibration standards are prepared for each UT inspection listed in the detailed inspection listings (Volume Unit 1) of this plan. All calibration standards are designed in accordance with the requirements of ASME Section XI.

10.1.2 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.

10.1.3 Procedure NDE-600 is written to meet the requirements of Appendix VIII and does not require the use of a calibration block. In cases where NDE-600 is specified for use, the calibration block field will be empty. NDE-600 is for the examination of similar metal piping welds e.g., stainless to stainless pipe welds and carbon to carbon pipe welds.

10.2 Eddy Current Calibration Standards

Eddy Current calibration standards are maintained by the Nuclear Services Division, Nuclear Technical Services Section. Eddy Current Examinations for Steam Generator tubing 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 Unit 1.

Code Year 1998

Report order: Block no.
Plant(s): ON1

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

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	98/A00	CS	0.000	7.000	SS Clad
40339	PLATE	26.5" x 6" x 5" SA 516 GR.70	98/A00	CS	0.000	5.000	SS Clad
40350	PLATE	11.5" x 6" x 3" SA 516 GR.70	98/A00	CS	0.000	3.000	SS Clad
40354	PIPE	10" SCH. 160 SA 376 TYPE 304H	98/A00	CS	10.750	1.125	
40378	PIPE	2.5" SCH. 160 SA 240 TYPE 304	98/A00	SS	2.880	0.375	
40385	PLATE	3" X 6" X .75" SA 240 TYPE 304	98/A00	SS	0.000	0.750	Heat# 818934
40387	PLATE	6" x 7" x 28" SA508 CL.2	98/A00	CS	0.000	7.000	Heat # 158025C-1 SS Clad
40388	PIPE	15.43" x 1.715" SA 508	98/A00	CS	15.280	1.724	Heat# 5P7199 SS Clad
40389	PIPE	14" SCH. 140 SA 376 TYPE 316	98/A00	SS	13.930	1.250	Heat# 26004
40390	URSULA	12.13"x 37.25"x 6" SA 508 CL.2	98/A00	CS	0.000	12.125	170 in. ID Radius SS Clad
40393	URSULA	9" x 6" x 36" SA 533 GR. B	98/A00	CS	0.000	9.000	SS Clad
40394	PLATE	5" x 6" x 21" SA 515 GR.70	98/A00	CS	0.000	5.000	SS Clad
40397	PLATE	3" x 6" x 12" SA 240 TYPE 316	98/A00	CS	0.000	3.000	Heat # 28316

BLOCK NO.	TYPE	DESCRIPTION	CODE REQ	MATERIAL TYPE/GRADE	DIAM SIZE	THICKNESS (LENGTH)	COMMENTS
40399	PIPE	10" SCH. 140 SA 376 TYPE 316	98/A00	SS	10.780	1.000	
40406	PIPE	4" SCH. 160 SA 376 Type 304	98/A00	SS	4.000	0.531	Heat # M0351
40410	PLATE	2.99"x 6.04"x 18.08" SA515	98/A00	CS	0.000	2.990	SS Clad
40411	PIPE	SA 182 TYPE 316L	98/A00	SS	8.750	0.875	Heat# 82253
40413	PIPE	SA 376 TYPE 316	98/A00	SS	12.000	1.125	
40414	PIPE	12" X 1.50" SA 105	98/A00	CS	12.000	1.500	Heat# T1807
40416	PIPE	SA 479 TYPE 316	98/A00	SS	3.500	0.750	Heat# 1G3875
40417	STUD	14.131" x 2.230" SA 193 ID B16	98/A00	CS	2.230	14.131	
40420	STUD	63.25" x 6.5" SA 540 GR. B23	98/A00	CS	6.500	63.250	Reactor Vessel Stud Heat# 159628
40422	STUD	12.028" x 2.574" SA 193 GR. B7	98/A00	SS	2.574	12.028	HPI Stud
40425	STUD	14.87" x 2.74" SA 320-L43	98/A00	CS	2.740	14.870	Pressurizer Manway Studs Heat# 116316
50236	PLATE	6.125"x 15.123"x 6.060" SA508	98/A00	CS	0.000	6.125	Heat# 123L418 SS Clad
50237E	Forging	SA508 CARBON STEEL	98/A00	CS	14.000	3.937	Heat # 123L418 Pressurizer Sensing and Sample Nozzle Cal block for inner radius exams. Carbon Steel forging with .25 inch SS cladding.

Code Year 1998

Report order: Block no.
Plant(s): ON1

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

BLOCK NO.	TYPE	DESCRIPTION	CODE REQ	MATERIAL TYPE/GRADE	DIAM SIZE	THICKNESS (LENGTH)	COMMENTS
50237F	Forging	SA508 CS 3" X 6" X 10"	98/A00	CS	0.000	3.000	Heat # 123L418 Pressurizer Sensing and Sample Nozzle Cal block for inner radius exams. Carbon Steel forging with .25 inch SS cladding.
50256	Pipe	SA-312 TYPE 304 SS Pipe	98/A00	SS	4.000	0.237	4" Schedule 40 Heat # 623116
50304	PLATE	9" x 36.65" x 37" SA 508 CL.2	98/A00	CS	0.000	9.000	Heat # CCR801 SS Clad Heat #L3541
50306	Pipe	SA-376 TYPE 304 SS Pipe	98/A00	SS	3.000	0.438	3" Schedule 160 Heat # B8200
50373	PIPE	SB 167	98/A00	Inconel	4.500	0.625	Heat# NX4862
50424	PIPE	4" SCH 120 SA312 T304	98/A00	SS	4.500	0.438	SEAL WATER INJECTION FILTER 1A
50437	PIPE	2.5" SCH 40 SA376/312 T304	98/A00	SS	2.870	0.203	
50502	STUD	30.6" X 4.375" SA 540 GR. B24	98/A00	CS	4.375	30.600	Heat # 99137 RCP Stud (Hex-Head)
6002348	CORE FLOOD AXIAL	A 240 TYPE 316	98/A00	SS	0.000	1.253	Heat# 805001-1A Trace# 14781 Drawing Number 6002348-B-0 Borrowed from Davis Besse
95001	FORGING	11.88"x 6"x 36.06" SA 508 CL.2	98/A00	CS	6.000	11.880	Heat # 123-Y-317 SS Clad Framatome Block FTI-RPV-95001
PDIUT1O	PLATE	2" X 9.5" X 2" SA 516 Grade 70	98/A00	CS	0.000	2.000	HEAT# 54091 The ID for this Cal Block should be PDI-UT-1-O. It is abbreviated in the Cal block listing due to limited fields in the data base.
PDIUT2O	PLATE	2" X 9.5" X 2" SA 240 type 316	98/A00	SS	0.000	2.000	HEAT# 804036 The ID for this Cal Block should be PDI-UT-2-O. It is abbreviated in the Cal block listing due to limited fields in the data base.

FOURTH
TEN-YEAR
INTERVAL
INSERVICE INSPECTION PLAN

DUKE POWER COMPANY
OCONEE NUCLEAR STATION
UNIT 1

A Duke Energy Company

FOURTH INTERVAL INSERVICE INSPECTION PLAN

OCONEE NUCLEAR STATION

UNIT 1

REVISION 0

L. C. Keith Phone: (704)382-3141
Email: lckeith@duke-energy.com

Oconee Unit 1

Inservice Inspection Examination Listing and Schedule

Section 1

Revision 0

The detailed inspection plans for Inservice Inspection of Oconee Unit 1 are maintained in this volume. Section 1 contains the examination listing and Section 2 contains a listing of reference drawings.

Duke Power Company

Inservice Inspection Management

Inservice Inspection Plan For:

Oconee Unit 1

Interval 4

ISI Outage 1

Refueling Outage EOC 22

ISI Examination Listing and Schedule

Revision 0

EOC 22

DUKE ENERGY CORPORATION
INSERVICE INSPECTION PLAN MANAGEMENT
Inservice Inspection Database Management System

Oconee 1

Inservice Inspection Plan for Interval 4 Outage 1

CATEGORY B-A, Pressure Retaining Welds In Reactor Vessel

Shell-to-Flange Weld

ITEM NUMBER	ID NUMBER	SYS	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
B01.030.001A	1-RPV-WR19		ISI-OCN1-001	NDE-3650	UT	CS	171.000	50304	Reactor Vessel Flange Pc. 7 to Nozzle Belt Upper Course Pc. 8. UT from Flange Surface. (manual scan)
	Circumferential	50	OM-201-1877				12.000		
Class A					Flange to Nozzle Belt				

Total B01.030 Items: 1

Total B01 Items: 1

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

[redacted] Pressurizer

DUKE ENERGY CORPORATION
INSERVICE INSPECTION PLAN MANAGEMENT
Inservice Inspection Database Management System

Oconee 1

Inservice Inspection Plan for Interval 4 Outage 1

ITEM NUMBER	ID NUMBER	SYS	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
****** Shell-to-Head; Circumferential ******									
B02.011.001	1-PZR-WP76		ISI-OCN1-002	NDE-640	UT	CS	84.000	40387	Pressurizer Upper Shell Course Pc. 1 to Upper Head Pc. 5. Material thickness ranges from 6.50" to 4.750" due to taper of material.
	Circumferential	50	OM-201-1878	NDE-820			6.500		
Class A					Shell to Head				
Total B02.011 Items:	**1**								
****** Shell-to-Head; Longitudinal ******									
B02.012.001	1-PZR-WP1-1		ISI-OCN1-002	NDE-640	UT	CS	84.000	40387	Pressurizer Upper Shell Course Pc. 1 to Upper Shell Course Pc. 1.
	Longitudinal	50	OM-201-1878	NDE-820			6.188		
Class A					Shell to Shell				
Total B02.012 Items:	**1**								
Total B02 Items:	**2**								

DUKE ENERGY CORPORATION
INSERVICE INSPECTION PLAN MANAGEMENT
Inservice Inspection Database Management System

CATEGORY B-D, Full Penetration Welded Nozzles In Vessels - Inspection Program B

[redacted] Pressurizer

Oconee 1

Inservice Inspection Plan for Interval 4 Outage 1

ITEM NUMBER	ID NUMBER	SYS	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
****** Nozzle-to-Vessel Welds ******									
B03.110.002	1-PZR-WP34		ISI-OCN1-002	NDE-640	UT	CS	7.750	40394	Pressurizer Spray Nozzle Pc. 9 to Upper Head Pc. 5.
	Circumferential	50	OM-201-1026	NDE-820			4.750		
Class A					Nozzle to Head				
B03.110.003	1-PZR-WP33-3		ISI-OCN1-002	NDE-640	UT	CS	6.875	40394	Pressurizer Relief Nozzle Pc. 31 to Upper Head Pc. 5. Z-W Quadrant.
	Circumferential	50	OM-201-1878	NDE-820			4.750		
Class A			OM-201-1026		Nozzle to Head				
B03.110.004	1-PZR-WP33-2		ISI-OCN1-002	NDE-640	UT	CS	6.875	40394	Pressurizer Relief Nozzle Pc. 31 to Upper Head Pc. 5. X-Y Quadrant.
	Circumferential	50	OM-201-1878	NDE-820			4.750		
Class A			OM-201-1026		Nozzle to Head				
B03.110.005	1-PZR-WP33-1		ISI-OCN1-002	NDE-640	UT	CS	6.875	40394	Pressurizer Relief Nozzle Pc. 31 to Upper Head Pc. 5. W-X Quadrant.
	Circumferential	50	OM-201-1878	NDE-820			4.750		
Class A			OM-201-1026		Nozzle to Head				

Total B03.110 Items: 4

DUKE ENERGY CORPORATION
INSERVICE INSPECTION PLAN MANAGEMENT
Inservice Inspection Database Management System

CATEGORY B-D, Full Penetration Welded Nozzles In Vessels - Inspection Program B

Pressurizer

Oconee 1

Inservice Inspection Plan for Interval 4 Outage 1

ITEM NUMBER	ID NUMBER	SYS	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
****** Nozzle Inside Radius Section ******									
B03.120.002	1-PZR-WP34		ISI-OCN1-002	NDE-680	UT	CS	7.750	TBD	Pressurizer Spray Nozzle Pc. 9 to Upper Head Pc. 5. (Inside Radius Section)
		50	OM-201-1878				4.750		
Class A			OM-201-1026		Nozzle to Head				
B03.120.003	1-PZR-WP33-3		ISI-OCN1-002	NDE-680	UT	CS	6.875	TBD	Pressurizer Relief Nozzle Pc. 31 to Upper Head Pc. 5. W-Z Quadrant. (Inside Radius Section)
		50	OM-201-1878				4.750		
Class A			OM-201-1026		Nozzle to Head				
B03.120.004	1-PZR-WP33-2		ISI-OCN1-002	NDE-680	UT	CS	6.875	TBD	Pressurizer Relief Nozzle Pc. 31 to Upper Head Pc. 5. Y-X Quadrant. (Inside Radius Section)
		50	OM-201-1878				4.750		
Class A			OM-201-1026		Nozzle to Head				
B03.120.005	1-PZR-WP33-1		ISI-OCN1-002	NDE-680	UT	CS	6.875	TBD	Pressurizer Relief Nozzle Pc. 31 to Upper Head Pc. 5. W-X Quadrant. (Inside Radius Section)
		50	OM-201-1026				4.750		
Class A			OM-201-1878		Nozzle to Head				

Total B03.120 Items: 4

DUKE ENERGY CORPORATION
INSERVICE INSPECTION PLAN MANAGEMENT
Inservice Inspection Database Management System

CATEGORY B-D, Full Penetration Welded Nozzles In Vessels - Inspection Program B

[redacted] Steam Generators (Primary Side)

Oconee 1

Inservice Inspection Plan for Interval 4 Outage 1

ITEM NUMBER	ID NUMBER	SYS	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
****** Nozzle-to-Vessel Welds ******									
B03.130.001	1-SGA-WG50-2		ISI-OCN1-003	NDE-820	UT	CS	38.380	40393	Steam Generator 1A Outlet Nozzle Pc. 65 to Lower Head Pc. 7. W-Z Quadrant.
	Circumferential	50	OM-201-1873	NDE-640			8.500		
Class A			146467E		Nozzle to Head				
B03.130.002	1-SGA-WG50-1		ISI-OCN1-003	NDE-820	UT	CS	38.380	40393	Steam Generator 1A Outlet Nozzle Pc. 65 to Lower Head Pc. 7. Y-Z Quadrant.
	Circumferential	50	OM-201-1873	NDE-640			8.500		
Class A			146467E		Nozzle to Head				

Total B03.130 Items: 2

DUKE ENERGY CORPORATION
INSERVICE INSPECTION PLAN MANAGEMENT
Inservice Inspection Database Management System

CATEGORY B-D, Full Penetration Welded Nozzles In Vessels - Inspection Program B

Steam Generators (Primary Side)

Oconee 1

Inservice Inspection Plan for Interval 4 Outage 1

ITEM NUMBER	ID NUMBER	SYS	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
****** Nozzle Inside Radius Section ******									
B03.140.001	1-SGA-WG50-2	50	ISI-OCN1-003 OM-201-1873 146467E	TBD	VT-1 Nozzle to Head	CS	38.380 8.500	40393	Steam Generator 1A Outlet Nozzle Pc. 65 to Lower Head Pc. 7. W-Z Quadrant. (Inside Radius Section) Enhanced VT-1 Inspection is required in lieu of UT inspection.
Class A									
B03.140.002	1-SGA-WG50-1	50	ISI-OCN1-003 OM-201-1873 146467E	TBD	VT-1 Nozzle to Head	CS	38.380 8.500	40393	Steam Generator 1A Outlet Nozzle Pc. 65 to Lower Head Pc. 7. Y-Z Quadrant. (Inside Radius Section) Enhanced VT-1 Inspection is required in lieu of UT inspection.
Class A									

Total B03.140 Items: 2

Total B03 Items: 12

CATEGORY B-F, Pressure Retaining Dissimilar Metal Welds In Vessel Nozzles

[redacted] Pressurizer

DUKE ENERGY CORPORATION
INSERVICE INSPECTION PLAN MANAGEMENT
Inservice Inspection Database Management System

Oconee 1

Inservice Inspection Plan for Interval 4 Outage 1

ITEM NUMBER	ID NUMBER	SYS	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
****** Less Than NPS 4; Nozzle-to-Safe End Butt Welds ******									
B05.050.002	1-PZR-WP91-2		ISI-OCN1-002	NDE-35	PT	SS-CS	2.500		Pressurizer Relief Nozzle Pc. 31 to Relief Nozzle Safe End Pc. 32. X-Y Quadrant.
	Circumferential	50	O-ISIN4-100A-1.2				0.000		
Class A	Term end		OM-201-1026		Nozzle to Safe End				
	Dissimilar								
B05.050.003	1-PZR-WP91-3		ISI-OCN1-002	NDE-35	PT	SS-CS	2.500		Pressurizer Relief Nozzle Pc. 31 to Relief Nozzle Safe End Pc. 32. Z-W Quadrant.
	Circumferential	50	O-ISIN4-100A-1.2				0.000		
Class A	Term end		OM-201-1026		Nozzle to Safe End				
	Dissimilar								

Total B05.050 Items: 2

Total B05 Items: 2

CATEGORY B-G-1, Pressure Retaining Bolting, Greater Than 2 in. In Diameter

[redacted] Reactor Vessel

DUKE ENERGY CORPORATION
INSERVICE INSPECTION PLAN MANAGEMENT
Inservice Inspection Database Management System
Oconee 1
Inservice Inspection Plan for Interval 4 Outage 1

ITEM NUMBER	ID NUMBER	SYS	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
**** Closure Head Nuts ****									
B06.010.001	1-RPV-26-203-01		OM-201-2271 B&W128723E	QAL-13	VT-1	CS	9.250 1.300		Reactor Vessel Closure Nut. Reference OM-201-2271 RPV Instruction Manual.
Class A									
B06.010.002	1-RPV-26-203-02		OM-201-2271 B&W128723E	QAL-13	VT-1	CS	9.250 1.300		Reactor Vessel Closure Nut. Reference OM-201-2271 RPV Instruction Manual.
Class A									
B06.010.003	1-RPV-26-203-03		OM-201-2271 B&W128723E	QAL-13	VT-1	CS	9.250 1.300		Reactor Vessel Closure Nut. Reference OM-201-2271 RPV Instruction Manual.
Class A									
B06.010.004	1-RPV-26-203-04		OM-201-2271 B&W128723E	QAL-13	VT-1	CS	9.250 1.300		Reactor Vessel Closure Nut. Reference OM-201-2271 RPV Instruction Manual.
Class A									
B06.010.005	1-RPV-26-203-05		OM-201-2271 B&W128723E	QAL-13	VT-1	CS	9.250 1.300		Reactor Vessel Closure Nut. Reference OM-201-2271 RPV Instruction Manual.
Class A									
B06.010.006	1-RPV-26-203-06		OM-201-2271 B&W128723E	QAL-13	VT-1	CS	9.250 1.300		Reactor Vessel Closure Nut. Reference OM-201-2271 RPV Instruction Manual.
Class A									
B06.010.007	1-RPV-26-203-07		OM-201-2271 B&W128723E	QAL-13	VT-1	CS	9.250 1.300		Reactor Vessel Closure Nut. Reference OM-201-2271 RPV Instruction Manual.
Class A									
B06.010.008	1-RPV-26-203-08		OM-201-2271 B&W128723E	QAL-13	VT-1	CS	9.250 1.300		Reactor Vessel Closure Nut. Reference OM-201-2271 RPV Instruction Manual.
Class A									

CATEGORY B-G-1, Pressure Retaining Bolting, Greater Than 2 in. In Diameter

[redacted] Reactor Vessel

DUKE ENERGY CORPORATION
INSERVICE INSPECTION PLAN MANAGEMENT
Inservice Inspection Database Management System
Oconee 1
Inservice Inspection Plan for Interval 4 Outage 1

ITEM NUMBER	ID NUMBER	SYS	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
B06.010.009	1-RPV-26-203-09		OM-201-2271 B&W128723E	QAL-13	VT-1	CS	9.250 1.300		Reactor Vessel Closure Nut. Reference OM-201-2271 RPV Instruction Manual.
Class A									
B06.010.010	1-RPV-26-203-10		OM-201-2271 B&W128723E	QAL-13	VT-1	CS	9.250 1.300		Reactor Vessel Closure Nut. Reference OM-201-2271 RPV Instruction Manual.
Class A									
B06.010.011	1-RPV-26-203-11		OM-201-2271 B&W128723E	QAL-13	VT-1	CS	9.250 1.300		Reactor Vessel Closure Nut. Reference OM-201-2271 RPV Instruction Manual.
Class A									
B06.010.012	1-RPV-26-203-12		OM-201-2271 B&W128723E	QAL-13	VT-1	CS	9.250 1.300		Reactor Vessel Closure Nut. Reference OM-201-2271 RPV Instruction Manual.
Class A									
B06.010.013	1-RPV-26-203-13		OM-201-2271 B&W128723E	QAL-13	VT-1	CS	9.250 1.300		Reactor Vessel Closure Nut. Reference OM-201-2271 RPV Instruction Manual.
Class A									
B06.010.014	1-RPV-26-203-14		OM-201-2271 B&W128723E	QAL-13	VT-1	CS	9.250 1.300		Reactor Vessel Closure Nut. Reference OM-201-2271 RPV Instruction Manual.
Class A									
B06.010.015	1-RPV-26-203-15		OM-201-2271 B&W128723E	QAL-13	VT-1	CS	9.250 1.300		Reactor Vessel Closure Nut. Reference OM-201-2271 RPV Instruction Manual.
Class A									
B06.010.016	1-RPV-26-203-16		OM-201-2271 B&W128723E	QAL-13	VT-1	CS	9.250 1.300		Reactor Vessel Closure Nut. Reference OM-201-2271 RPV Instruction Manual.
Class A									
B06.010.017	1-RPV-26-203-17		OM-201-2271 B&W128723E	QAL-13	VT-1	CS	9.250 1.300		Reactor Vessel Closure Nut. Reference OM-201-2271 RPV Instruction Manual.
Class A									

DUKE ENERGY CORPORATION
INSERVICE INSPECTION PLAN MANAGEMENT
Inservice Inspection Database Management System

Oconee 1

Inservice Inspection Plan for Interval 4 Outage 1

CATEGORY B-G-1, Pressure Retaining Bolting, Greater Than 2 in. In Diameter

[redacted] Reactor Vessel

ITEM NUMBER	ID NUMBER	SYS	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
B06.010.018	1-RPV-26-203-18		OM-201-2271	QAL-13	VT-1	CS	9.250		Reactor Vessel Closure Nut. Reference
			B&W128723E				1.300		OM-201-2271 RPV Instruction Manual.
Class A									
B06.010.019	1-RPV-26-203-19		OM-201-2271	QAL-13	VT-1	CS	9.250		Reactor Vessel Closure Nut. Reference
			B&W128723E				1.300		OM-201-2271 RPV Instruction Manual.
Class A									
B06.010.020	1-RPV-26-203-20		OM-201-2271	QAL-13	VT-1	CS	9.250		Reactor Vessel Closure Nut. Reference
			B&W128723E				1.300		OM-201-2271 RPV Instruction Manual.
Class A									

Total B06.010 Items: 20

CATEGORY B-G-1, Pressure Retaining Bolting, Greater Than 2 in. In Diameter

Reactor Vessel

DUKE ENERGY CORPORATION
INSERVICE INSPECTION PLAN MANAGEMENT
Inservice Inspection Database Management System
Oconee 1
Inservice Inspection Plan for Interval 4 Outage 1

ITEM NUMBER	ID NUMBER	SYS	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
****** Closure Studs, when removed ******									
B06.030.001 Class A	1-RPV-25-203-01		OM-201-2271 B&W128723E	See Com	UT	CS	6.500 0.000	40420	Reactor Vessel Closure Stud - Removed. Stud Length = 63.250. Procedure # PDI-UT-5. Reference OM-201-2271 RPV Instruction Manual.
B06.030.002 Class A	1-RPV-25-203-02		OM-201-2271 B&W128723E	See Com	UT	CS	6.500 0.000	40420	Reactor Vessel Closure Stud - Removed. Stud Length = 63.250. Procedure # PDI-UT-5. Reference OM-201-2271 RPV Instruction Manual.
B06.030.003 Class A	1-RPV-25-203-03		OM-201-2271 B&W128723E	See Com	UT	CS	6.500 0.000	40420	Reactor Vessel Closure Stud - Removed. Stud Length = 63.250. Procedure # PDI-UT-5. Reference OM-201-2271 RPV Instruction Manual.
B06.030.004 Class A	1-RPV-25-203-04		OM-201-2271 B&W128723E	See Com	UT	CS	6.500 0.000	40420	Reactor Vessel Closure Stud - Removed. Stud Length = 63.250. Procedure # PDI-UT-5. Reference OM-201-2271 RPV Instruction Manual.
B06.030.005 Class A	1-RPV-25-203-05		OM-201-2271 B&W128723E	See Com	UT	CS	6.500 0.000	40420	Reactor Vessel Closure Stud - Removed. Stud Length = 63.250. Procedure # PDI-UT-5. Reference OM-201-2271 RPV Instruction Manual.
B06.030.006 Class A	1-RPV-25-203-06		OM-201-2271 B&W128723E	See Com	UT	CS	6.500 0.000	40420	Reactor Vessel Closure Stud - Removed. Stud Length = 63.250. Procedure # PDI-UT-5. Reference OM-201-2271 RPV Instruction Manual.
B06.030.007 Class A	1-RPV-25-203-07		OM-201-2271 B&W128723E	See Com	UT	CS	6.500 0.000	40420	Reactor Vessel Closure Stud - Removed. Stud Length = 63.250. Procedure # PDI-UT-5. Reference OM-201-2271 RPV Instruction Manual.
B06.030.008 Class A	1-RPV-25-203-64		OM-201-2271 B&W128723E	See Com	UT	CS	6.500 0.000	40420	Reactor Vessel Closure Stud - Removed. Stud Length = 63.250. Procedure # PDI-UT-5. Reference OM-201-2271 RPV Instruction Manual.

CATEGORY B-G-1, Pressure Retaining Bolting, Greater Than 2 in. In Diameter

[redacted] Reactor Vessel

DUKE ENERGY CORPORATION
INSERVICE INSPECTION PLAN MANAGEMENT
Inservice Inspection Database Management System
Oconee 1
Inservice Inspection Plan for Interval 4 Outage 1

ITEM NUMBER	ID NUMBER	SYS	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
B06.030.009 Class A	1-RPV-25-203-09		OM-201-2271 B&W128723E	See Com	UT	CS	6.500 0.000	40420	Reactor Vessel Closure Stud - Removed. Stud Length = 63.250. Procedure # PDI-UT-5. Reference OM-201-2271 RPV Instruction Manual.
B06.030.010 Class A	1-RPV-25-203-10		OM-201-2271 B&W128723E	See Com	UT	CS	6.500 0.000	40420	Reactor Vessel Closure Stud - Removed. Stud Length = 63.250. Procedure # PDI-UT-5. Reference OM-201-2271 RPV Instruction Manual.
B06.030.011 Class A	1-RPV-25-203-11		OM-201-2271 B&W128723E	See Com	UT	CS	6.500 0.000	40420	Reactor Vessel Closure Stud - Removed. Stud Length = 63.250. Procedure # PDI-UT-5. Reference OM-201-2271 RPV Instruction Manual.
B06.030.012 Class A	1-RPV-25-203-12		OM-201-2271 B&W128723E	See Com	UT	CS	6.500 0.000	40420	Reactor Vessel Closure Stud - Removed. Stud Length = 63.250. Procedure # PDI-UT-5. Reference OM-201-2271 RPV Instruction Manual.
B06.030.013 Class A	1-RPV-25-203-13		OM-201-2271 B&W128723E	See Com	UT	CS	6.500 0.000	40420	Reactor Vessel Closure Stud - Removed. Stud Length = 63.250. Procedure # PDI-UT-5. Reference OM-201-2271 RPV Instruction Manual.
B06.030.014 Class A	1-RPV-25-203-14		OM-201-2271 B&W128723E	See Com	UT	CS	6.500 0.000	40420	Reactor Vessel Closure Stud - Removed. Stud Length = 63.250. Procedure # PDI-UT-5. Reference OM-201-2271 RPV Instruction Manual.
B06.030.015 Class A	1-RPV-25-203-15		OM-201-2271 B&W128723E	See Com	UT	CS	6.500 0.000	40420	Reactor Vessel Closure Stud - Removed. Stud Length = 63.250. Procedure # PDI-UT-5. Reference OM-201-2271 RPV Instruction Manual.
B06.030.016 Class A	1-RPV-25-203-62		OM-201-2271 B&W128723E	See Com	UT	CS	6.500 0.000	40420	Reactor Vessel Closure Stud - Removed. Stud Length = 63.250. Procedure # PDI-UT-5. Reference OM-201-2271 RPV Instruction Manual.
B06.030.017 Class A	1-RPV-25-203-17		OM-201-2271 B&W128723E	See Com	UT	CS	6.500 0.000	40420	Reactor Vessel Closure Stud - Removed. Stud Length = 63.250. Procedure # PDI-UT-5. Reference OM-201-2271 RPV Instruction Manual.

CATEGORY B-G-1, Pressure Retaining Bolting, Greater Than 2 in. In Diameter

[redacted] Reactor Vessel

DUKE ENERGY CORPORATION
INSERVICE INSPECTION PLAN MANAGEMENT
Inservice Inspection Database Management System

Oconee 1

Inservice Inspection Plan for Interval 4 Outage 1

ITEM NUMBER	ID NUMBER	SYS	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
B06.030.018 Class A	1-RPV-25-203-18		OM-201-2271 B&W128723E	See Com	UT	CS	6.500 0.000	40420	Reactor Vessel Closure Stud - Removed. Stud Length = 63.250. Procedure # PDI-UT-5. Reference OM-201-2271 RPV Instruction Manual.
B06.030.019 Class A	1-RPV-25-203-19		OM-201-2271 B&W128723E	See Com	UT	CS	6.500 0.000	40420	Reactor Vessel Closure Stud - Removed. Stud Length = 63.250. Procedure # PDI-UT-5. Reference OM-201-2271 RPV Instruction Manual.
B06.030.020 Class A	1-RPV-25-203-20		OM-201-2271 B&W128723E	See Com	UT	CS	6.500 0.000	40420	Reactor Vessel Closure Stud - Removed. Stud Length = 63.250. Procedure # PDI-UT-5. Reference OM-201-2271 RPV Instruction Manual.

Total B06.030 Items: 20

CATEGORY B-G-1, Pressure Retaining Bolting, Greater Than 2 in. In Diameter

[redacted] Reactor Vessel

DUKE ENERGY CORPORATION
INSERVICE INSPECTION PLAN MANAGEMENT
Inservice Inspection Database Management System
Oconee 1
Inservice Inspection Plan for Interval 4 Outage 1

ITEM NUMBER	ID NUMBER	SYS	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
****** Closure Washers, Bushings ******									
B06.050.001	1-RPV-WASH-BUSH		OM-201-2271 B&W128723E	QAL-13	VT-1	CS	9.750 0.214		Reactor Vessel Closure Washers and Bushings. Stud Holes 1 - 20. Reference OM-201-2271 RPV Instruction Manual.
Class A									

Total B06.050 Items: 1

DUKE ENERGY CORPORATION
INSERVICE INSPECTION PLAN MANAGEMENT
Inservice Inspection Database Management System

CATEGORY B-G-1, Pressure Retaining Bolting, Greater Than 2 in. In Diameter

[redacted] Pressurizer

Oconee 1

Inservice Inspection Plan for Interval 4 Outage 1

ITEM NUMBER	ID NUMBER	SYS	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
****** Flange Surface, when connection disassembled ******									
B06.070.001	1-PZR-MW-FLANGE		OM-201-1026	QAL-13	VT-1	CS	28.000 0.000		Pressurizer Manway Flange Surface. Examination Includes 1" Annular Surface Surrounding Each Stud. (Inspect when connection disassembled)
Class A									

Total B06.070 Items: 1

DUKE ENERGY CORPORATION
INSERVICE INSPECTION PLAN MANAGEMENT
Inservice Inspection Database Management System

Oconee 1

Inservice Inspection Plan for Interval 4 Outage 1

CATEGORY B-G-1, Pressure Retaining Bolting, Greater Than 2 in. In Diameter

[redacted]Pressurizer

ITEM NUMBER	ID NUMBER	SYS	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
****** Nuts, Bushings, and Washers ******									
B06.080.001	1-PZR-MW-NUTS		OM-201-9	QAL-13	VT-1	CS	2.750 0.000		Pressurizer Manway Nuts Pc. 68. Examination includes bushings and washers.
Class A									

Total B06.080 Items: 1

CATEGORY B-G-1, Pressure Retaining Bolting, Greater Than 2 in. In Diameter

[redacted] Pumps

DUKE ENERGY CORPORATION
INSERVICE INSPECTION PLAN MANAGEMENT
Inservice Inspection Database Management System
Oconee 1
Inservice Inspection Plan for Interval 4 Outage 1

ITEM NUMBER	ID NUMBER	SYS	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
****** Flange Surface, when connection disassembled ******									
B06.190.001	1-RCP-1A1-FLANGE		OM-201.D-35 OM-201.D-38	QAL-13	VT-1	SS	77.000 0.000		Reactor Coolant Pump 1A1 Main Flange. Examination includes 1" annular surface of flange surrounding each stud. (Inspect when connection disassembled)
Class A			OM-201-1148						
B06.190.002	1-RCP-1A2-FLANGE		OM-201.D-35 OM-201.D-38	QAL-13	VT-1	SS	77.000 0.000		Reactor Coolant Pump 1A2 Main Flange. Examination includes 1" annular surface of flange surrounding each stud. (Inspect when connection disassembled)
Class A			OM-201-1148						
B06.190.003	1-RCP-1B1-FLANGE		OM-201.D-35 OM-201.D-38	QAL-13	VT-1	SS	77.000 0.000		Reactor Coolant Pump 1B1 Main Flange. Examination includes 1" annular surface of flange surrounding each stud. (Inspect when connection disassembled)
Class A			OM-201-1148						
B06.190.004	1-RCP-1B2-FLANGE		OM-201.D-35 OM-201.D-38	QAL-13	VT-1	SS	77.000 0.000		Reactor Coolant Pump 1B2 Main Flange. Examination includes 1" annular surface of flange surrounding each stud. (Inspect when connection disassembled)
Class A			OM-201-1148						

Total B06.190 Items: 4

Total B06 Items: 47

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

[redacted] Steam Generators

DUKE ENERGY CORPORATION
INSERVICE INSPECTION PLAN MANAGEMENT
Inservice Inspection Database Management System
Oconee 1
Inservice Inspection Plan for Interval 4 Outage 1

ITEM NUMBER	ID NUMBER	SYS	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
****** Bolts, Studs, and Nuts ******									
B07.030.002	1-SGA-LMW-STUDS		OM-201-550 OM-201-352	QAL-13	VT-1	SS	2.000 0.000		Steam Generator 1A Lower Head Manway Studs Pc. 111 and Nuts Pc. 109. 16 Studs, Length =11.500. Examine all studs and nuts.
Class A									
B07.030.006	1-SGA-LHIC-STUDS		OM-201-550 OM-201-352	QAL-13	VT-1	SS	1.000 0.000		Steam Generator 1A Lower Head Inspection Cover Studs Pc. 112 and Nuts Pc. 110. 12 Studs, Length = 6.000. Examine all studs and nuts.
Class A									

Total B07.030 Items: 2

DUKE ENERGY CORPORATION
INSERVICE INSPECTION PLAN MANAGEMENT
Inservice Inspection Database Management System

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

[redacted] Piping

Oconee 1

Inservice Inspection Plan for Interval 4 Outage 1

ITEM NUMBER	ID NUMBER	SYS	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
****** Bolts, Studs, and Nuts ******									
B07.050.003 Class A	1-PZR-RC67-STUDS		OM-254-204 OM-254-205	QAL-13	VT-1	CS	1.125 0.000		Pressurizer Relief Valve RC-67 Inlet Flange Bolting. W-X Quadrant. 8 Studs and 16 Nuts, Length = 8.750. Examine all studs and nuts.
B07.050.004 Class A	1-PZR-RC68-STUDS		OM-254-204 OM-254-205	QAL-13	VT-1	CS	1.125 0.000		Pressurizer Relief Valve RC-68 Inlet Flange Bolting. X-Y Quadrant. 8 Studs and 16 Nuts, Length = 8.750. Examine all studs and nuts.

Total B07.050 Items: 2

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

[redacted]Pumps

DUKE ENERGY CORPORATION
INSERVICE INSPECTION PLAN MANAGEMENT
Inservice Inspection Database Management System
Oconee 1
Inservice Inspection Plan for Interval 4 Outage 1

ITEM NUMBER	ID NUMBER	SYS	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
****** Bolts, Studs, and Nuts ******									
B07.060.003	1-RCP-1B1-SEAL		OM-201D-0062	QAL-13	VT-1	CS	2.000 0.000		Reactor Coolant Pump 1B1 Lower Seal Housing Bolts Pc. 117. 12 Cap Screws, Length = 8.000. Inspect lower seal housing bolting on one Reactor Coolant Pump only.
Class A									

Total B07.060 Items: 1

DUKE ENERGY CORPORATION
INSERVICE INSPECTION PLAN MANAGEMENT
Inservice Inspection Database Management System

Oconee 1

Inservice Inspection Plan for Interval 4 Outage 1

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

CRD Housings

ITEM NUMBER	ID NUMBER	SYS	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
****** Bolts, Studs, and Nuts ******									
B07.080.001	1-RPV-CRD-HOUSING		OM-201-2186	QAL-13	VT-1	CS	1.250		CRD Housing includes Bolts (8 bolts on each connection) and Housing Rings (1 pair per housing.) Inspect only if disassembled. Inspect only bolting that is to be reused.
			DPS 706599-1056				0.000		
Class A			B&W152006E						

Total B07.080 Items:	**1**
Total B07 Items:	**6**

DUKE ENERGY CORPORATION
INSERVICE INSPECTION PLAN MANAGEMENT
Inservice Inspection Database Management System
Oconee 1
Inservice Inspection Plan for Interval 4 Outage 1

CATEGORY B-J, Pressure Retaining Welds In Piping

NPS 4 or Larger

ITEM NUMBER	ID NUMBER	SYS	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
**** Circumferential Welds ****									
B09.011.030	1-PIA1-1		ISI-OCN1-007	NDE-600	UT	CS	33.500	40350	Steam Generator 1A Outlet Nozzle to Pump 1A1 Suction Piping. Procedure PDI-UT-1 may be used.
	Circumferential	50	O-ISIN4-100A-1.1				2.330		
Class A	Term end / Stress weld		B&W 131914E6		Nozzle to Pipe				
B09.011.030A	1-PIA1-1		ISI-OCN1-007	NDE-25	MT	CS	33.500		Steam Generator 1A Outlet Nozzle to Pump 1A1 Suction Piping.
	Circumferential	50	O-ISIN4-100A-1.1				2.330		
Class A	Term end / Stress weld		B&W 131914E6		Nozzle to Pipe				
B09.011.031	1-PIA1-7		ISI-OCN1-007	See Com	UT	SS-CS	33.500	40350	Reactor Coolant Pump 1A1 Suction Piping. Transition Pc. 210 to Salvaged Pipe Pc. 215. Procedure PDI-UT-10
	Circumferential	50	O-ISIN4-100A-1.1				2.330	40397	
Class A	Stress weld Dissimilar		OM-201-1845		Transition Piece to Pipe				
B09.011.031A	1-PIA1-7		ISI-OCN1-007	NDE-35	PT	SS-CS	33.500		Reactor Coolant Pump 1A1 Suction Piping. Transition Pc. 210 to Salvaged Pipe Pc. 215.
	Circumferential	50	O-ISIN4-100A-1.1				2.330		
Class A	Stress weld Dissimilar		OM-201-1845		Transition Piece to Pipe				
B09.011.032	1-PIA1-9		ISI-OCN1-007	NDE-600	UT	SS	36.500	40397	Reactor Coolant Pump 1A1 Inlet Nozzle to Safe End Pc. 211. Procedure PDI-UT-2 may be used.
	Circumferential	50	O-ISIN4-100A-1.1				2.330		
Class A	Term end / Stress weld		OM-201-1846		Nozzle to Safe End				
B09.011.032A	1-PIA1-9		ISI-OCN1-007	NDE-35	PT	SS	36.500		Reactor Coolant Pump 1A1 Inlet Nozzle to Safe End Pc. 211.
	Circumferential	50	O-ISIN4-100A-1.1				2.330		
Class A	Term end / Stress weld		OM-201-1846		Nozzle to Safe End				
B09.011.054	1-PIA1-4		ISI-OCN1-007	NDE-600	UT	CS	33.500	40350	Procedure PDI-UT-1 may be used.
	Circumferential	50	B&W 131914E6				2.330		
Class A	Stress weld				Pipe to Elbow				
B09.011.054A	1-PIA1-4		ISI-OCN1-007	NDE-25	MT	CS	33.500		
	Circumferential	50	B&W 131914E6				2.330		
Class A	Stress weld				Pipe to Elbow				

CATEGORY B-J, Pressure Retaining Welds In Piping

NPS 4 or Larger

DUKE ENERGY CORPORATION
INSERVICE INSPECTION PLAN MANAGEMENT
Inservice Inspection Database Management System

Oconee 1

Inservice Inspection Plan for Interval 4 Outage 1

ITEM NUMBER	ID NUMBER	SYS	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
B09.011.055	1-PIA1-2		ISI-OCN1-007	NDE-600	UT	CS	33.500	40350	Procedure PDI-UT-1 may be used.
	Circumferential	50	B&W 131914E6				2.330		
Class A	Stress weld				Pipe to Elbow				
B09.011.055A	1-PIA1-2		ISI-OCN1-007	NDE-25	MT	CS	33.500		
	Circumferential	50	B&W 131914E6				2.330		
Class A	Stress weld				Pipe to Elbow				

Total B09.011 Items: 10

CATEGORY B-J, Pressure Retaining Welds In Piping

Less Than NPS 4

DUKE ENERGY CORPORATION
INSERVICE INSPECTION PLAN MANAGEMENT
Inservice Inspection Database Management System
Oconee 1
Inservice Inspection Plan for Interval 4 Outage 1

ITEM NUMBER	ID NUMBER	SYS	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
**** Circumferential Welds ****									
B09.021.002	1-50-01-34		1-50-01(1)	NDE-35	PT	SS-Inconel	1.500		Reactor Coolant Pump 1A1
	Circumferential	50	O-ISIN4-100A-1.1				0.281		Suction Piping. Safe End Pc. 65 to Elbow.
Class A			ISI-OCN1-007		Safe End to				
	Dissimilar				Elbow				
B09.021.003	1-51A-04-11C		1-51A-04	NDE-35	PT	SS	2.500		
	Circumferential	51A	O-ISIN4-101A-1.4				0.375		
Class A					Pipe to				
					Elbow				
B09.021.004	1-51A-04-14C		1-51A-04	NDE-35	PT	SS	2.500		
	Circumferential	51A	O-ISIN4-101A-1.4				0.375		
Class A					Elbow to				
					Pipe				
B09.021.020	1-PDA1-11		ISI-OCN1-011	NDE-35	PT	SS-CS	3.500		Reactor Coolant Pump 1A1 Discharge Piping.
	Circumferential	50	O-ISIN4-100A-1.1				0.750		Pressure Injection Nozzle Pc. 46 to Safe End Pc. 47.
Class A			OM-201-1845		Nozzle to				
	Dissimilar				Safe End				
B09.021.024	1-PIA1-11		ISI-OCN1-007	NDE-35	PT	CS-Inconel	3.500		Reactor Coolant Pump 1A1 Suction Piping. Drain
	Circumferential	50	O-ISIN4-100A-1.1				0.816		Nozzle Pc. 64 to Safe End Pc. 65.
Class A			OM-201-1870		Nozzle to				
	Dissimilar				Safe End				
B09.021.037	1HP-190-16		1HP-190	NDE-35	PT	SS	2.500		
	Circumferential	51A	O-ISIN4-101A-1.4				0.375		
Class A	Stress weld				Pipe to				
					Valve 1HP-488				
B09.021.042	1HP-278-23C		1HP-278	NDE-35	PT	SS	2.500		This weld was listed previously as 1-51A-04-23C
	Circumferential	51A	O-ISIN4-101A-1.4				0.375		until iso 1-51A-04 was redrawn.
Class A					Elbow to				
					Pipe				
B09.021.043	1HP-278-24		1HP-278	NDE-35	PT	SS	2.500		This item number was inspected in outage 1 of the
	Circumferential	51A	O-ISIN4-101A-1.4				0.375		third interval and was with weld # 1-51A-04-25C .
Class A	Stress weld				Pipe to				The weld 1-51A-04-25C was deleted in outage 2 of
					Valve 1HP-487				the third interval so we assigned a new weld number
									to this item number (weld 1HP-278-24). This weld is
									not to be examined in the third interval.

DUKE ENERGY CORPORATION
INSERVICE INSPECTION PLAN MANAGEMENT
Inservice Inspection Database Management System

CATEGORY B-J, Pressure Retaining Welds In Piping

Less Than NPS 4

Oconee 1

Inservice Inspection Plan for Interval 4 Outage 1

ITEM NUMBER	ID NUMBER	SYS	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
B09.021.059	1RC-261-266		1RC-261	NDE-35	PT	SS-Inconel	1.500		Reactor Coolant Pump 1B2
	Circumferential	50	O-ISIN4-100A-1.1				0.281		Suction Piping. Safe End Pc. 65 to Elbow.
Class A			ISI-OCN1-010		Safe End to				
	Dissimilar				Elbow				

Total B09.021 Items: 9

Total B09 Items: 19

CATEGORY B-L-2, Pump Casings

DUKE ENERGY CORPORATION
INSERVICE INSPECTION PLAN MANAGEMENT
Inservice Inspection Database Management System
Oconee 1
Inservice Inspection Plan for Interval 4 Outage 1

Pumps

ITEM NUMBER	ID NUMBER	SYS	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
****** Pump Casing ******									
B12.020.001	1RCP-1A1-CASING		OM-201.D-35	QAL-14	VT-3	SS	77.000		Reactor Coolant Pump 1A1 Casing Internal Surfaces. (Inspect only if pump is disassembled for maintenance, repair, or volumetric examination)
		50	OM-201-1148				0.000		
Class A			ISI-OCN1-007						
B12.020.002	1RCP-1A2-CASING		OM-201.D-35	QAL-14	VT-3	SS	77.000		Reactor Coolant Pump 1A2 Casing Internal Surfaces. (Inspect only if pump is disassembled for maintenance, repair, or volumetric examination)
		50	OM-201-1148				0.000		
Class A			ISI-OCN1-008						
B12.020.003	1RCP-1B1-CASING		OM-201.D-35	QAL-14	VT-3	SS	77.000		Reactor Coolant Pump 1B1 Casing Internal Surfaces. (Inspect only if pump is disassembled for maintenance, repair, or volumetric examination)
		50	OM-201-1148				0.000		
Class A			ISI-OCN1-009						
B12.020.004	1RCP-1B2-CASING		OM-201.D-35	QAL-14	VT-3	SS	77.000		Reactor Coolant Pump 1B2 Casing Internal Surfaces. (Inspect only if pump is disassembled for maintenance, repair, or volumetric examination)
		50	OM-201-1148				0.000		
Class A			ISI-OCN1-010						

Total B12.020 Items: 4

CATEGORY B-M-2, Valve Body

DUKE ENERGY CORPORATION
INSERVICE INSPECTION PLAN MANAGEMENT
Inservice Inspection Database Management System
Oconee 1
Inservice Inspection Plan for Interval 4 Outage 1

Valves

ITEM NUMBER	ID NUMBER	SYS	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
****** Valve Body, Exceeding NPS 4 ******									
B12.050.001 Class A	1-53A-CF-11	53A	OM-245-0001 O-ISIN4-102A-1.3	QAL-14	VT-3	SS	14.000 0.000		A- Side Core Flood Valve Body 1CF-11 Internal Surfaces. W Axis. Inspect one of the following valves: 1CF-11, 1CF-12, 1CF-13, or 1CF-14 only if valve is disassembled for maintenance, repair, or volumetric examination.
B12.050.002 Class A	1-53A-CF-12	53A	OM-245-0001 O-ISIN4-102A-1.3	QAL-14	VT-3	SS	14.000 0.000		A- Side Core Flood Valve Body 1CF-12 Internal Surfaces. W Axis. Inspect one of the following valves: 1CF-11, 1CF-12, 1CF-13, or 1CF-14 only if valve is disassembled for maintenance, repair, or volumetric examination.
B12.050.003 Class A	1-53A-CF-13	53A	OM-245-0001 O-ISIN4-102A-1.3	QAL-14	VT-3	SS	14.000 0.000		B- Side Core Flood Valve Body 1CF-13 Internal Surfaces. Y Axis. Inspect one of the following valves: 1CF-11, 1CF-12, 1CF-13, or 1CF-14 only if valve is disassembled for maintenance, repair, or volumetric examination.
B12.050.004 Class A	1-53A-CF-14	53A	OM-245-0001 O-ISIN4-102A-1.3	QAL-14	VT-3	SS	14.000 0.000		B- Side Core Flood Valve Body 1CF-14 Internal Surfaces. Y Axis. Inspect one of the following valves: 1CF-11, 1CF-12, 1CF-13, or 1CF-14 only if valve is disassembled for maintenance, repair, or volumetric examination.
B12.050.005 Class A	1-53A-LP-47	53A	OM-245-0001 O-ISIN4-102A-1.2	QAL-14	VT-3	SS	10.000 0.000		B-Side LP1 Valve Body 1LP-47 Internal Surfaces. Inspect one of the following valves: 1LP-47 or 1LP-48 only if valve is disassembled for maintenance, repair, or volumetric examination.
B12.050.006 Class A	1-53A-LP-48	53A	OM-245-0001 O-ISIN4-102A-1.2	QAL-14	VT-3	SS	10.000 0.000		B-Side LP1 Valve Body 1LP-48 Internal Surfaces. Inspect one of the following valves: 1LP-47 or 1LP-48 only if valve is disassembled for maintenance, repair, or volumetric examination.
B12.050.007 Class A	1-53A-LP-1	53A	OM-245-2054 O-ISIN4-102A-1.1	QAL-14	VT-3	SS	12.000 0.000		Decay Heat Suction Valve Body 1LP-1 Internal Surfaces. Inspect one of the following valves: 1LP-1 or 1LP-2 only if valve is disassembled for maintenance, repair, or volumetric examination.

CATEGORY B-M-2, Valve Body

DUKE ENERGY CORPORATION
INSERVICE INSPECTION PLAN MANAGEMENT
Inservice Inspection Database Management System

Oconee 1

Inservice Inspection Plan for Interval 4 Outage 1

Valves

ITEM NUMBER	ID NUMBER	SYS	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
B12.050.008	1-53A-LP-2		OM-245-2055	QAL-14	VT-3	SS	12.000		Decay Heat Suction Valve Body 1LP-2 Internal Surfaces. Inspect one of the following valves: 1LP-1 or 1LP-2 only if valve is disassembled for maintenance, repair, or volumetric examination.
		53A	O-ISIN4-102A-1.1				0.000		
Class A									

Total B12.050 Items:	**8**
Total B12 Items:	**12**

CATEGORY B-N-1, Interior Of Reactor Vessel

DUKE ENERGY CORPORATION
INSERVICE INSPECTION PLAN MANAGEMENT
Inservice Inspection Database Management System
Oconee 1
Inservice Inspection Plan for Interval 4 Outage 1

[redacted] Reactor Vessel

ITEM NUMBER	ID NUMBER	SYS	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
****** Vessel Interior ******									
B13.010.001	1-RPV-INT-SURFACE		OM-201-1008	QAL-14	VT-3	SS	0.000		Reactor Vessel Interior. Areas to be examined shall include the spaces above and below the reactor core that are made accessible for examination by removal of components during normal refueling outages. Reference Framatome Procedure 54-ISI-364.
		50	ISI-OCN1-001	See Com			0.000		
Class A									

Total B13.010 Items: 1

Total B13 Items: 1

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

[redacted] Reactor Vessel

DUKE ENERGY CORPORATION
INSERVICE INSPECTION PLAN MANAGEMENT
Inservice Inspection Database Management System
Oconee 1
Inservice Inspection Plan for Interval 4 Outage 1

ITEM NUMBER	ID NUMBER	SYS	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
****** Welds In CRD Housing ******									
B14.010.001	1-RPV-CRD-47WH9		OM-201-2186	NDE-35	PT	SS-Inconel	4.025		CRDM #47 Housing Body to Adapter.
		50	O-ISIN4-100A-1.1				0.650		
Class A			OM-201-1059		Housing Body to Adapter				
B14.010.004	1-RPV-CRD-47W60		OM-2201-1085	NDE-35	PT	SS-CS	5.000		CRDM #47 Base to Motor Tube.
		50	O-ISIN4-100A-1.1				0.500		
Class A					Base to Motor Tube				
B14.010.007	1-RPV-CRD-47		OM-2201-1085	NDE-35	PT	SS-CS	4.300		CRDM #47 Motor Tube to Extension.
		50	O-ISIN4-100A-1.1				0.400		
Class A					Motor Tube to Extension				
B14.010.010	1-RPV-CRD-47W61		OM-2201-1085	NDE-35	PT	SS	4.190		CRDM #47 Extension to Cap .
		50	O-ISIN4-100A-1.1				0.380		
Class A					Extension to Cap				

Total B14.010 Items: 4

Total B14 Items: 4

DUKE ENERGY CORPORATION
INSERVICE INSPECTION PLAN MANAGEMENT
Inservice Inspection Database Management System

CATEGORY C-B, Pressure Retaining Nozzle Welds In Vessels

Nozzles Without Reinforcing Plate in Vessels > 1/2 in. Nom. Thickness

Oconee 1

Inservice Inspection Plan for Interval 4 Outage 1

ITEM NUMBER	ID NUMBER	SYS	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
****** Nozzle-to-Shell (Nozzle to Head or Nozzle to Nozzle) Weld ******									
C02.021.002	1-SGB-WG23-2		ISI-OCN1-004	NDE-640	UT	CS	29.000	40338	Steam Generator 1B Outlet Nozzle Pc. 14 to Shell Pc. 03. X-Y Quadrant.
	Circumferential	03	OM-201-1873	NDE-820			6.750		
Class B			OM-201-0034		Nozzle to Shell				
C02.021.002A	1-SGB-WG23-2		ISI-OCN1-004	NDE-25	MT	CS	29.000		Steam Generator 1B Outlet Nozzle Pc. 14 to Shell Pc. 03. X-Y Quadrant.
	Circumferential	03	OM-201-1873				6.750		
Class B			OM-201-0034		Nozzle to Shell				
Total C02.021 Items:	**2**								
****** Nozzle Inside Radius Section ******									
C02.022.002	1-SGB-WG23-2		ISI-OCN1-004	TBD	VT-1	CS	29.000	40338	Steam Generator 1B Outlet Nozzle Pc. 14 to Shell Pc. 03 (Inside Radius Section). X-Y Quadrant. Enhanced VT-1 inspection will be performed in lieu of UT inspection.
		03	OM-201-1873				6.750		
Class B					Nozzle to Shell				
Total C02.022 Items:	**1**								
Total C02 Items:	**3**								

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

Piping

DUKE ENERGY CORPORATION
INSERVICE INSPECTION PLAN MANAGEMENT
Inservice Inspection Database Management System
Oconee 1
Inservice Inspection Plan for Interval 4 Outage 1

ITEM NUMBER	ID NUMBER	SYS	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
****** Welded Attachments ******									
C03.020.004	1-01A-0-480A-H10A		1-01-07/sht.1	NDE-25	MT	NA	0.000		Calculation No. OSC-1296-06.
	Constant Support	01A	O-ISIN4-122A-1.1				1.500		
Class B									
C03.020.031	1-14-0-479A-H20D		1-14-17/sht.1	NDE-25	MT	NA	0.000		Calculation No. OSC-1306-06, page 6(5)-43. Inspect with F01.020.023.
	Rigid Support	14	O-ISIN4-124B-1.2				1.000		
Class B									
C03.020.042	1-14B-0-479A-H5F		1-14-12	NDE-25	MT	NA	0.000		Calculation No. OSC-1306-06, page 6(3)-42. Inspect with F01.020.031.
	Rigid Support	14B	O-ISIN4-124B-1.2				0.500		
Class B									
C03.020.056	1-51A-0-439C-H91		1-51-04/sht.3	NDE-35	PT	NA	0.000		Calculation No. OSC-1639, page 32.2. High Pressure Injection.
	Rigid Restraint	51A	O-ISIN4-101A-1.4				0.750		
Class B			O-1AB-15104-03						
C03.020.093	1-53B-2-0-436E-H1		1-53-01/sht.2	NDE-35	PT	NA	0.000		Calculation No. OSC-407, page 105.1. Inspect with F01.020.094.
	Rigid Support	53B	O-ISIN4-102A-1.1				0.216		
Class B			O-1AB-15301-02						

Total C03.020 Items: 5

Total C03 Items: 5

DUKE ENERGY CORPORATION
INSERVICE INSPECTION PLAN MANAGEMENT
Inservice Inspection Database Management System
Oconee 1
Inservice Inspection Plan for Interval 4 Outage 1

CATEGORY C-D, Pressure Retaining Bolting Greater Than 2 in. In Diameter

Pumps

ITEM NUMBER	ID NUMBER	SYS	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
****** Bolts and Studs ******									
C04.030.001 Class B	1-HPI-PUMP-A	51A	OM-201-1704 O-ISIN4-101A-1.3	PDI-UT-5	UT	NA	2.500 0.000	40422	HPI Pump 1A Bolting on Pump Casing. 20 Studs, Length = 12.000. The bolting on one of the HPI Pumps(1A, 1B, 1C) is required to be examined. Due to inaccessibility disassembly is required, so therefore they will be scheduled for each outage. Examine upon disassembly for maintenance or disassembly will be required to complete the examination.
C04.030.002 Class B	1-HPI-PUMP-B	51A	OM-201-1704 O-ISIN4-101A-1.3	PDI-UT-5	UT	NA	2.500 0.000	40422	HPI Pump 1B Bolting on Pump Casing. 20 Studs, Length = 12.000. The bolting on one of the HPI Pumps(1A, 1B, 1C) is required to be examined. Due to inaccessibility disassembly is required, so therefore they will be scheduled for each outage. Examine upon disassembly for maintenance or disassembly will be required to complete the examination.
C04.030.003 Class B	1-HPI-PUMP-C	51A	OM-201-1704 O-ISIN4-101A-1.3	PDI-UT-5	UT	NA	2.500 0.000	40422	HPI Pump 1C Bolting on Pump Casing. 20 Studs, Length = 12.000. The bolting on one of the HPI Pumps(1A, 1B, 1C) is required to be examined. Due to inaccessibility disassembly is required, so therefore they will be scheduled for each outage. Examine upon disassembly for maintenance or disassembly will be required to complete the examination.

Total C04.030 Items: 3

Total C04 Items: 3

DUKE ENERGY CORPORATION
INSERVICE INSPECTION PLAN MANAGEMENT
Inservice Inspection Database Management System

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

Oconee 1

Inservice Inspection Plan for Interval 4 Outage 1

ITEM NUMBER	ID NUMBER	SYS	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
****** Circumferential Weld ******									
C05.011.003	1-53A-01-30L		1-53A-01(3)	NDE-600	UT	SS	10.000	40399	Procedure PDI-UT-2 may be used.
	Circumferential	53A	O-ISIN4-102A-1.2				1.125		
Class B					Valve 1LP-48 to Pipe				
C05.011.003A	1-53A-01-30L		1-53A-01(3)	NDE-35	PT	SS	10.000		
	Circumferential	53A	O-ISIN4-102A-1.2				1.125		
Class B					Valve 1LP-48 to Pipe				

Total C05.011 Items: 2

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

Piping Welds > 1/5 in. Nom Wall for Piping >= NPS 2 and <= NPS 4

DUKE ENERGY CORPORATION
INSERVICE INSPECTION PLAN MANAGEMENT
Inservice Inspection Database Management System
Oconee 1
Inservice Inspection Plan for Interval 4 Outage 1

ITEM NUMBER	ID NUMBER	SYS	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
****** Circumferential Weld ******									
C05.021.001	1-51A-01-79A		1-51A-01(3)	NDE-600	UT	SS	4.000	40406	Procedure PDI-UT-2 may be used.
	Circumferential	51A	O-ISIN4-101A-1.3				0.531		
Class B					Elbow to Valve 1HP-148				
C05.021.001A	1-51A-01-79A		1-51A-01(3)	NDE-35	PT	SS	4.000		
	Circumferential	51A	O-ISIN4-101A-1.3				0.531		
Class B					Elbow to Valve 1HP-148				
C05.021.002	1-51A-02-15B		1-51A-02	NDE-600	UT	SS	4.000	40406	Procedure PDI-UT-2 may be used.
	Circumferential	51A	O-ISIN4-101A-1.4				0.531		
Class B					Pipe to Tee				
C05.021.002A	1-51A-02-15B		1-51A-02	NDE-35	PT	SS	4.000		
	Circumferential	51A	O-ISIN4-101A-1.4				0.531		
Class B					Pipe to Tee				
C05.021.007	1HP-192-32		1HP-192	NDE-600	UT	SS	4.000	40406	Procedure PDI-UT-2 may be used.
	Circumferential	51A	O-ISIN4-101A-1.4				0.531		
Class B					Pipe to Valve 1HP-410				
C05.021.007A	1HP-192-32		1HP-192	NDE-35	PT	SS	4.000		
	Circumferential	51A	O-ISIN4-101A-1.4				0.531		
Class B					Pipe to Valve 1HP-410				
C05.021.012	1-51A-123-12		1-51A-123	NDE-600	UT	SS	4.000	40406	Procedure PDI-UT-2 may be used.
	Circumferential	51A	O-ISIN4-101A-1.4				0.531		
Class B					Elbow to Pipe				
C05.021.012A	1-51A-123-12		1-51A-123	NDE-35	PT	SS	4.000		
	Circumferential	51A	O-ISIN4-101A-1.4				0.531		
Class B					Elbow to Pipe				

DUKE ENERGY CORPORATION
INSERVICE INSPECTION PLAN MANAGEMENT
Inservice Inspection Database Management System

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

Piping Welds > 1/5 in. Nom Wall for Piping >= NPS 2 and <= NPS 4

Oconee 1

Inservice Inspection Plan for Interval 4 Outage 1

ITEM NUMBER	ID NUMBER	SYS	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
C05.021.018	1-51A-124-10		1-51A-124	NDE-600	UT	SS	4.000	40406	Procedure PDI-UT-2 may be used.
	Circumferential	51A	O-ISIN4-101A-1.3				0.531		
Class B					Elbow to Pipe				
C05.021.018A	1-51A-124-10		1-51A-124	NDE-35	PT	SS	4.000		
	Circumferential	51A	O-ISIN4-101A-1.3				0.531		
Class B					Elbow to Pipe				
C05.021.024	1HP-178-13		1HP-178	NDE-600	UT	SS	4.000	40406	Procedure PDI-UT-2 may be used.
	Circumferential	51A	O-ISIN4-101A-1.4				0.531		
Class B					Elbow to Pipe				
C05.021.024A	1HP-178-13		1HP-178	NDE-35	PT	SS	4.000		
	Circumferential	51A	O-ISIN4-101A-1.4				0.531		
Class B					Elbow to Pipe				
C05.021.030	1-51A-127-4		1-51A-127	NDE-600	UT	SS	4.000	40406	Procedure PDI-UT-2 may be used.
	Circumferential	51A	O-ISIN4-101A-1.3				0.531		
Class B					Elbow to Pipe				
C05.021.030A	1-51A-127-4		1-51A-127	NDE-35	PT	SS	4.000		
	Circumferential	51A	O-ISIN4-101A-1.3				0.531		
Class B					Elbow to Pipe				
C05.021.038	1HP-367-19		1HP-367	NDE-600	UT	SS	3.000	TBD	Procedure PDI-UT-2 may be used.
	Circumferential	51B	O-ISIN4-101A-1.1				0.216		
Class B					Tee to Pipe				
C05.021.038A	1HP-367-19		1HP-367	NDE-35	PT	SS	3.000		
	Circumferential	51B	O-ISIN4-101A-1.1				0.216		
Class B					Tee to Pipe				
C05.021.045	1-51A-01-89A		1-51A-01(4)	NDE-600	UT	SS	4.000	40406	Procedure PDI-UT-2 may be used.
	Circumferential	51A	O-ISIN4-101A-1.3				0.531		
Class B					Tee to Tee				

DUKE ENERGY CORPORATION
INSERVICE INSPECTION PLAN MANAGEMENT
Inservice Inspection Database Management System

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

Piping Welds > 1/5 In. Nom Wall for Piping >= NPS 2 and <= NPS 4

Oconee 1

Inservice Inspection Plan for Interval 4 Outage 1

ITEM NUMBER	ID NUMBER	SYS	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
C05.021.045A	1-51A-01-89A		1-51A-01(4)	NDE-35	PT	SS	4.000		
	Circumferential	51A	O-ISIN4-101A-1.3				0.531		
Class B					Tee to Tee				
C05.021.051	1-51A-02-16BA		1-51A-02	NDE-600	UT	SS	4.000	40406	Procedure PDI-UT-2 may be used.
	Circumferential	51A	O-ISIN4-101A-1.4				0.531		
Class B					Pipe to Elbow				
C05.021.051A	1-51A-02-16BA		1-51A-02	NDE-35	PT	SS	4.000		
	Circumferential	51A	O-ISIN4-101A-1.4				0.531		
Class B					Pipe to Elbow				
C05.021.061	1HP-193-1		1HP-193	NDE-600	UT	SS	4.000	40406	Procedure PDI-UT-2 may be used.
	Circumferential	51A	O-ISIN4-101A-1.4				0.531		
Class B					Pipe to Elbow				
C05.021.061A	1HP-193-1		1HP-193	NDE-35	PT	SS	4.000		
	Circumferential	51A	O-ISIN4-101A-1.4				0.531		
Class B					Pipe to Elbow				
C05.021.068	1-51A-136-24		1-51A-136	NDE-600	UT	SS	2.500	TBD	Procedure PDI-UT-2 may be used.
	Circumferential	51A	O-ISIN4-101A-1.1				0.552		
Class B					Pipe to Elbow				
C05.021.068A	1-51A-136-24		1-51A-136	NDE-35	PT	SS	2.500		
	Circumferential	51A	O-ISIN4-101A-1.1				0.552		
Class B					Pipe to Elbow				
C05.021.074	1-51A-01-71A		1-51A-01(3)	NDE-600	UT	SS	3.000	50306	Procedure PDI-UT-2 may be used.
	Circumferential	51A	O-ISIN4-101A-1.3				0.438		
Class B					Elbow to Valve 1HP-114				
C05.021.074A	1-51A-01-71A		1-51A-01(3)	NDE-35	PT	SS	3.000		
	Circumferential	51A	O-ISIN4-101A-1.3				0.438		
Class B					Elbow to Valve 1HP-114				

DUKE ENERGY CORPORATION
INSERVICE INSPECTION PLAN MANAGEMENT
Inservice Inspection Database Management System

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

Piping Welds > 1/5 in. Nom Wall for Piping >= NPS 2 and <= NPS 4

Oconee 1

Inservice Inspection Plan for Interval 4 Outage 1

ITEM NUMBER	ID NUMBER	SYS	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
C05.021.076	1-51A-01-13A		1-51A-01(1)	NDE-600	UT	SS	3.000	TBD	Procedure PDI-UT-2 may be used.
	Circumferential	51A	O-ISIN4-101A-1.3				0.216		
Class B					Pipe to Elbow				
C05.021.076A	1-51A-01-13A		1-51A-01(1)	NDE-35	PT	SS	3.000		
	Circumferential	51A	O-ISIN4-101A-1.3				0.216		
Class B					Pipe to Elbow				
C05.021.082	1-51A-01-106A		1-51A-01(4)	NDE-600	UT	SS	4.000	40406	Procedure PDI-UT-2 may be used.
	Circumferential	51A	O-ISIN4-101A-1.3				0.531		
Class B					Pipe to Valve 1HP-115				
C05.021.082A	1-51A-01-106A		1-51A-01(4)	NDE-35	PT	SS	4.000		
	Circumferential	51A	O-ISIN4-101A-1.3				0.531		
Class B					Pipe to Valve 1HP-115				
C05.021.088	1-51A-02-21B		1-51A-02	NDE-600	UT	SS	4.000	40406	Procedure PDI-UT-2 may be used.
	Circumferential	51A	O-ISIN4-101A-1.4				0.531		
Class B					Pipe to Tee				
C05.021.088A	1-51A-02-21B		1-51A-02	NDE-35	PT	SS	4.000		
	Circumferential	51A	O-ISIN4-101A-1.4				0.531		
Class B					Pipe to Tee				
C05.021.094	1-51A-02-7B		1-51A-02	NDE-600	UT	SS	4.000	40406	Procedure PDI-UT-2 may be used.
	Circumferential	51A	O-ISIN4-101A-1.3				0.531		
Class B					Elbow to Elbow				
C05.021.094A	1-51A-02-7B		1-51A-02	NDE-35	PT	SS	4.000		
	Circumferential	51A	O-ISIN4-101A-1.3				0.531		
Class B					Elbow to Elbow				
C05.021.103	1-RCP-FTR1A-SH-1		1-51A-02	NDE-12	RT	SS	4.000		Reactor Coolant Pump Seal Supply Filter 1A Pc. 10 to Pc. 1 Outlet End.
	Circumferential	51A	O-ISIN4-101A-1.4				0.531		
Class B	Term end		OM-201-0473		Filter Hub to Filter Housing				

DUKE ENERGY CORPORATION
INSERVICE INSPECTION PLAN MANAGEMENT
Inservice Inspection Database Management System

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

Piping Welds > 1/5 in. Nom Wall for Piping >= NPS 2 and <= NPS 4

Oconee 1

Inservice Inspection Plan for Interval 4 Outage 1

ITEM NUMBER	ID NUMBER	SYS	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
C05.021.103A	1-RCP-FTR1A-SH-1		1-51A-02	NDE-35	PT	SS	4.000		Reactor Coolant Pump Seal Supply Filter 1A Pc. 10
	Circumferential	51A	O-ISIN4-101A-1.4				0.531		to Pc. 1 Outlet End.
Class B	Term end		OM-201-0473		Filter Hub to Filter Housing				
C05.021.104	1-RCP-FTR1A-SH-2		1-51A-02	NDE-12	RT	SS	4.000		Reactor Coolant Pump Seal Supply Filter 1A Pc. 10
	Circumferential	51A	O-ISIN4-101A-1.4				0.531		to Pc. 1 Inlet End.
Class B	Term end		OM-201-0473		Filter Hub to Filter Housing				
C05.021.104A	1-RCP-FTR1A-SH-2		1-51A-02	NDE-35	PT	SS	4.000		Reactor Coolant Pump Seal Supply Filter 1A Pc. 10
	Circumferential	51A	O-ISIN4-101A-1.4				0.531		to Pc. 1 Inlet End.
Class B	Term end		OM-201-0473		Filter Hub to Filter Housing				

Total C05.021 Items: 38

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

Socket Welds

DUKE ENERGY CORPORATION
INSERVICE INSPECTION PLAN MANAGEMENT
Inservice Inspection Database Management System
Oconee 1
Inservice Inspection Plan for Interval 4 Outage 1

ITEM NUMBER	ID NUMBER	SYS	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
C05.030.001	1-51B-66-9		1-51B-66	NDE-35	PT	SS	2.000		
	Socket	51B	O-ISIN4-101A-1.2				0.154		
Class B					Pipe to Elbow				
C05.030.007	1HP-367-26		1HP-367	NDE-35	PT	SS	4.000		
	Socket	51B	O-ISIN4-101A-1.1				0.237		
Class B					Pipe to Full Coupling				

Total C05.030 Items: 2

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

Pipe Branch Connections of Branch Piping >= NPS 2

DUKE ENERGY CORPORATION
INSERVICE INSPECTION PLAN MANAGEMENT
Inservice Inspection Database Management System
Oconee 1
Inservice Inspection Plan for Interval 4 Outage 1

ITEM NUMBER	ID NUMBER	SYS	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
****** Circumferential Weld ******									
C05.041.002	1-53B-01-87BA		1-53B-01(2)	NDE-35	PT	SS	8.000		Reinforcing collar at weld 87B.
	Branch	53B	O-ISIN4-102A-1.2				0.250		
Class B					Reinforcing collar to Pipe				
C05.041.011	1-53B-06-21KA		1-53B-06(1)	NDE-35	PT	SS	8.000		
	Branch	53B	O-ISIN4-102A-1.2				0.148		
Class B					Pipe to Pipe				
C05.041.012	1-53B-06-21KB		1-53B-06(1)	NDE-35	PT	SS	10.000		Reinforcing collar for weld 21KA.
	Branch	53B	O-ISIN4-102A-1.2				0.165		
Class B					Reinforcing collar to Pipe				

Total C05.041 Items: 3

DUKE ENERGY CORPORATION
INSERVICE INSPECTION PLAN MANAGEMENT
Inservice Inspection Database Management System

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

Oconee 1

Inservice Inspection Plan for Interval 4 Outage 1

ITEM NUMBER	ID NUMBER	SYS	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
**** Circumferential Weld ****									
C05.051.006	1-MS17B-A		1MS-001	NDE-600	UT	CS	34.000		Grinnell subassembly MS-17B.
	Circumferential	01A					1.164		Note : This weld sub assembly was on iso
Class B					Elbow to Pipe				1-01A-1(1) prior to the iso being redrawn. Procedure PDI-UT-1 may be used. If procedure PDI-UT-1 is used, calibration block PDI-UT-1-O shall be used.
C05.051.006A	1-MS17B-A		1MS-001	NDE-25	MT	CS	34.000		Grinnell Subassembly MS-17B
	Circumferential	01A					1.164		Note : This weld sub assembly was on iso
Class B					Elbow to Pipe				1-01A-1(1) prior to the iso being redrawn.
C05.051.009	1MS-064-9		1MS-064	NDE-600	UT	CS	12.000		This weld was previously listed as 1-01A-01-29C
	Circumferential	01A	O-ISIN4-122A-1.1				0.562		before the Iso was redrawn.
Class B					Pipe to Elbow				Procedure PDI-UT-1 may be used. If procedure PDI-UT-1 is used, calibration block PDI-UT-1-O shall be used.
C05.051.009A	1MS-064-9		1MS-064	NDE-25	MT	CS	12.000		This weld was previously listed as 1-01A-01-29C
	Circumferential	01A	O-ISIN4-122A-1.1				0.562		before the Iso was redrawn.
Class B					Pipe to Elbow				
C05.051.012	1MS-076-11BA		1MS-076	NDE-600	UT	CS	24.000		This weld was previously listed as 1-01A-02-11BA
	Circumferential	01A	O-ISIN4-122A-1.1				0.969		before the Iso was redrawn.
Class B	Term end				Reducer to Nozzle SG 1A				Procedure PDI-UT-1 may be used. If procedure PDI-UT-1 is used, calibration block PDI-UT-1-O shall be used.
C05.051.012A	1MS-076-11BA		1MS-076	NDE-25	MT	CS	24.000		This weld was previously listed as 1-01A-02-11BA
	Circumferential	01A	O-ISIN4-122A-1.1				0.969		before the Iso was redrawn.
Class B	Term end				Reducer to Nozzle SG 1A				
C05.051.017	1MS-063-26		1MS-063	NDE-600	UT	CS	8.000		This weld was previously listed as 1-01A-1-99
	Circumferential	01A	O-ISIN4-122A-1.3				0.500		before the Iso was redrawn.
Class B					Elbow to Pipe				Procedure PDI-UT-1 may be used. If procedure PDI-UT-1 is used, calibration block PDI-UT-1-O shall be used.

DUKE ENERGY CORPORATION
INSERVICE INSPECTION PLAN MANAGEMENT
Inservice Inspection Database Management System

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

Oconee 1

Inservice Inspection Plan for Interval 4 Outage 1

ITEM NUMBER	ID NUMBER	SYS	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
C05.051.017A	1MS-063-26		1MS-063	NDE-25	MT	CS	8.000		This weld was previously listed as 1-01A-1-99 before the Iso was redrawn.
	Circumferential	01A	O-ISIN4-122A-1.3				0.500		
Class B					Elbow to Pipe				
C05.051.030	1-FWD88-C		1-03-3(1)	NDE-600	UT	CS	14.000		Grinnell subassembly FWD-88. Procedure PDI-UT-1 may be used. If procedure PDI-UT-1 is used, calibration block PDI-UT-1-O shall be used.
	Circumferential	03					0.750		
Class B					Elbow to Pipe				
C05.051.030A	1-FWD88-C		1-03-3(1)	NDE-25	MT	CS	14.000		Grinnell subassembly FWD-88.
	Circumferential	03					0.750		
Class B					Elbow to Pipe				
C05.051.033	1-20B-21-16-2		1-20B-21-16	NDE-600	UT	CS	48.000		Procedure PDI-UT-1 may be used. If procedure PDI-UT-1 is used, calibration block PDI-UT-1-O shall be used.
	Circumferential	20B	O-ISIN4-116A-1.1				0.500		
Class B					Valve 1PRV-1 to Pipe				
C05.051.033A	1-20B-21-16-2		1-20B-21-16	NDE-25	MT	CS	48.000		
	Circumferential	20B	O-ISIN4-116A-1.1				0.500		
Class B					Valve 1PRV-1 to Pipe				
C05.051.036	1-LPSW-344-21		1-LPSW-344	NDE-600	UT	CS	8.000		Procedure PDI-UT-1 may be used. If procedure PDI-UT-1 is used, calibration block PDI-UT-1-O shall be used.
	Circumferential	14B	O-ISIN4-124B-1.2				0.500		
Class B					Pipe to Elbow				
C05.051.036A	1-LPSW-344-21		1-LPSW-344	NDE-25	MT	CS	8.000		
	Circumferential	14B	O-ISIN4-124B-1.2				0.500		
Class B					Pipe to Elbow				
C05.051.040	1LPSW-345-17		1LPSW-345	NDE-600	UT	CS	8.000		This weld was listed previously as 1-LPSW-345-17 until iso 1-LPSW-345 was redrawn. This weld was listed previously as 1-LPS-345-17 until iso 1-LPS-345 was deleted. Procedure PDI-UT-1 may be used. If procedure PDI-UT-1 is used, calibration block PDI-UT-1-O shall be used.
	Circumferential	14B	O-ISIN4-124B-1.2				0.500		
Class B					Flange to Pipe				

DUKE ENERGY CORPORATION
INSERVICE INSPECTION PLAN MANAGEMENT
Inservice Inspection Database Management System

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

Oconee 1

Inservice Inspection Plan for Interval 4 Outage 1

ITEM NUMBER	ID NUMBER	SYS	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
C05.051.040A	1LPSW-345-17		1LPSW-345	NDE-25	MT	CS	8.000		This weld was listed previously as 1-LPSW-345-17 until Iso 1-LPSW-345 was redrawn. This weld was listed previously as 1-LPS-345-17 until Iso 1-LPS-345 was deleted.
	Circumferential	14B	O-ISIN4-124B-1.2				0.500		
Class B					Flange to Pipe				
C05.051.049	1-LPSW-346-21		1-LPSW-346	NDE-600	UT	CS	8.000		Procedure PDI-UT-1 may be used. If procedure PDI-UT-1 is used, calibration block PDI-UT-1-O shall be used.
	Circumferential	14B	O-ISIN4-124B-1.2				0.500		
Class B					Elbow to Pipe				
C05.051.049A	1-LPSW-346-21		1-LPSW-346	NDE-25	MT	CS	8.000		
	Circumferential	14B	O-ISIN4-124B-1.2				0.500		
Class B					Elbow to Pipe				
C05.051.060	1-14-230-1		1-14-230	NDE-600	UT	CS	6.000		Procedure PDI-UT-1 may be used. If procedure PDI-UT-1 is used, calibration block PDI-UT-1-O shall be used.
	Circumferential	14B	O-ISIN4-121D-1.1				0.432		
Class B					Tee to Reducer				
C05.051.060A	1-14-230-1		1-14-230	NDE-25	MT	CS	6.000		
	Circumferential	14B	O-ISIN4-121D-1.1				0.432		
Class B					Tee to Reducer				

Total C05.051 Items: 20

DUKE ENERGY CORPORATION
INSERVICE INSPECTION PLAN MANAGEMENT
Inservice Inspection Database Management System

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

Socket Welds

Oconee 1

Inservice Inspection Plan for Interval 4 Outage 1

ITEM NUMBER	ID NUMBER	SYS	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
C05.070.001	1-03A-4-3E		1-03A-4(2)	NDE-35	PT	CS	2.000		
	Socket	03A	O-ISIN4-121D-1.1				0.218		
Class B					Half Coupling to Pipe				

Total C05.070 Items: 1

DUKE ENERGY CORPORATION
INSERVICE INSPECTION PLAN MANAGEMENT
Inservice Inspection Database Management System

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

Pipe Branch Connections of Branch Piping >= NPS 2

Oconee 1

Inservice Inspection Plan for Interval 4 Outage 1

ITEM NUMBER	ID NUMBER	SYS	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
****** Circumferential Weld ******									
C05.081.004	1-MS17B-B		1MS-001	NDE-25	MT	CS	12.000		Grinnell Subassembly MS-17B.
	Branch	01A	O-ISIN4-122A-1.1				0.562		
Class B					Pipe to Pipe				
C05.081.005	1-FWD67-A		1-03-3(1)	NDE-25	MT	CS	20.000		Grinnell subassembly FWD-67.
	Branch	03					1.031		
Class B					Pipe to Pipe				

Total C05.081 Items: 2

Total C05 Items: 68

CATEGORY C-G, Pressure Retaining Welds In Pumps And Valves

DUKE ENERGY CORPORATION
INSERVICE INSPECTION PLAN MANAGEMENT
Inservice Inspection Database Management System
Oconee 1
Inservice Inspection Plan for Interval 4 Outage 1

[redacted]Valves

ITEM NUMBER	ID NUMBER	SYS	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
**** Valve Body Welds ****									
C06.020.001	1FDW-345		OM-245-659	NDE-25	MT	CS	6.000		Valve No. 1FDW-345 Valve Body Weld.
	Circumferential	03A	O-ISIN4-121D-1.1				1.136		
Class B					Valve Body Neck to Valve Body				

Total C06.020 Items:	**1**
Total C06 Items:	**1**

CATEGORY D-A, Welded Attachments For Vessels, Piping, Pumps, And Valves

Piping

DUKE ENERGY CORPORATION
INSERVICE INSPECTION PLAN MANAGEMENT
Inservice Inspection Database Management System
Oconee 1
Inservice Inspection Plan for Interval 4 Outage 1

ITEM NUMBER	ID NUMBER	SYS	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
****** Welded Attachments ******									
D01.020.011	1-03-0-439A-H63		1-03-01/sht.1	QAL-13	VT-1	NA	24.000		Calculation No. OSC-336, page 45a.1. Inspect with F01.032.017.
	Spring Hgr	03	O-ISIN4-121B-1.3				0.187		
Class C									
D01.020.028	1-03A-1-0-439A-SR39		1-03A-06/sht.1	QAL-13	VT-1	NA	6.000		Calculation No. OSC-340, page 88. Inspect with F01.030.044.
	Rigid Support	03A	O-ISIN4-121D-1.1				1.000		
Class C									
D01.020.029	1-03A-1-0-439B-H28		1-03A-06/sht.1	QAL-13	VT-1	NA	6.000		Calculation No. OSC-340, page 88. Inspect with F01.030.045.
	Rigid Support	03A	O-ISIN4-121D-1.1				0.216		
Class C									
D01.020.036	1-04A-2-0-439B-R12		1-04A-06	QAL-13	VT-1	NA	6.000		Calculaton No. OSC-1404, page 77. Inspect with F01.032.041.
	Constant Support	04A	O-ISIN4-121B-1.5				0.437		
Class C									
D01.020.061	1-14B-0-400B-SR35		1-14-06/sht.2	QAL-13	VT-1	NA	24.000		Calculation No. OSC-1541, page 101. Inspect with F01.031.073.
	Rigid Restraint	14B	O-ISIN4-124A-1.1				3.500		
Class C									
D01.020.083	1-56-5-0-437B-H17		4-56-07/sht.1	QAL-13	VT-1	NA	8.000		Calculaton No. OSC-1359-02, page 28. Inspect with F01.030.132.
	Rigid Support	56	O-ISIN4-104A-1.1				0.125		
Class C									
D01.020.091	1-57-0-481A-H1		1-57-01/sht.1	QAL-13	VT-1	NA	12.000		Calculaton No. OSC-1313-06, page 41.1. Inspect with F01.030.141.
	Rigid Support	57	O-ISIN4-100A-1.2				0.750		
Class C			0-491C-2A(S)						

Total D01.020 Items: 7

Total D01 Items: 7

CATEGORY F-A, Supports

DUKE ENERGY CORPORATION
INSERVICE INSPECTION PLAN MANAGEMENT
Inservice Inspection Database Management System
Oconee 1
Inservice Inspection Plan for Interval 4 Outage 1

Class 1 Piping Supports

ITEM NUMBER	ID NUMBER	SYS	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
****** Category A, One-Directional ******									
F01.010.005	1-51A-0-478A-H6228		1-55-03/sht.1	QAL-14	VT-3	NA	2.500		Calculation No. OSC-1660-11, page 65
	Rigid Support	51A	O-ISIN4-101A-1.1				0.000		High Pressure Injection.
Class A									
Total F01.010 Items:	**1**								
****** Category C, Thermal Movement ******									
F01.012.002	1-50-0-479A-H2A			QAL-14	VT-3	NA	10.000		Pressurizer Surge Lines. No Calculation Number.
	Hyd Snubber	50	O-ISIN4-100A-1.1				0.000		Inspect with F01.050.014.
Class A									
F01.012.008	1-53A-0-479A-H6200		1-53-07/sht.1	QAL-14	VT-3	NA	3.000		Calculation No. OSC-1301-06, page 91.
	Spring Hgr	53A	O-ISIN4-102A-1.1				0.000		
Class A									
F01.012.011	1-57-0-481A-H13-A		1-57-01/sht.1	QAL-14	VT-3	NA	4.000		Calculation No. OS-1313-06, page 44.1.
	Hyd Snubber	57	O-ISIN4-100A-1.2				0.000		Inspect with F01.050.015.
Class A									
Total F01.012 Items:	**3**								

CATEGORY F-A, Supports

DUKE ENERGY CORPORATION
INSERVICE INSPECTION PLAN MANAGEMENT
Inservice Inspection Database Management System
Oconee 1
Inservice Inspection Plan for Interval 4 Outage 1

Class 2 Piping Supports

ITEM NUMBER	ID NUMBER	SYS	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
****** Category A, One-Directional ******									
F01.020.004	1-01A-0-481A-H2B		1-01-08/sht.1	QAL-14	VT-3	NA	24.250		Calculation No. OSC-1296-06.
	Rigid Support	01A	O-ISIN4-122A-1.1				0.500		
Class B									
F01.020.023	1-14-0-479A-H20D		1-14-17/sht.1	QAL-14	VT-3	NA	8.000		Calculation No. OSC-1306-06, page 6(5)-43.
	Rigid Support	14	O-ISIN4-124B-1.2				1.000		Inspect with C03.020.031.
Class B									
F01.020.031	1-14B-0-479A-H5F		1-14-12	QAL-14	VT-3	NA	8.000		Calculation No. OSC-1306-06, page 6(3)-42.
	Rigid Support	14B	O-ISIN4-124B-1.2				0.500		Inspect with C03.020.042.
Class B									
F01.020.032	1-14B-0-479A-H18		1-14-15/sht.1	QAL-14	VT-3	NA	8.000		Calculation No. OSC-1409.
	Rigid Support	14B	O-ISIN4-124B-1.2				0.000		
Class B			O-1RB-11415-01						
F01.020.061	1-51A-0-439A-H100		1-51-04/sht.3	QAL-14	VT-3	NA	4.000		Calculation No. OSC-1639, page 32.2. High
	Rigid Support	51A	O-ISIN4-101A-1.4				0.000		Pressure Injection.
Class B			O-1AB-15104-03						
F01.020.071	1-51B-2-0-437A-DE051		1-51-07/sht.4	QAL-14	VT-3	NA	4.000		Calculation No. OSC-1539, page 73.
	Rigid Support	51B	O-ISIN4-101A-1.4				0.000		
Class B									
F01.020.094	1-53B-2-0-436E-H1		1-53-01/sht.2	QAL-14	VT-3	NA	14.000		Calculation No. OSC-407, page 105.1. Inspect with
	Rigid Support	53B	O-ISIN4-102A-1.1				0.216		C03.020.093.
Class B			O-1AB-15301-02						
F01.020.113	1-54A-3-0-439A-H23		1-54-03/sht.1	QAL-14	VT-3	NA	8.000		Calculation No. OSC-416, page 58.1.
	Rigid Support	54A	O-ISIN4-103A-1.1				0.000		
Class B									

Total F01.020 Items: 8

****** Category B, Multi-Directional ******

CATEGORY F-A, Supports

DUKE ENERGY CORPORATION
INSERVICE INSPECTION PLAN MANAGEMENT
Inservice Inspection Database Management System
Oconee 1
Inservice Inspection Plan for Interval 4 Outage 1

Class 2 Piping Supports

ITEM NUMBER	ID NUMBER	SYS	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
F01.021.042	1-14B-0-479A-H6		1-14-15/sht.1	QAL-14	VT-3	NA	6.000		Calculation No. OSC-1409.
	Rigid Restraint	14B	O-ISIN4-124B-1.2				0.216		
Class B									
F01.021.063	1-51A-0-439C-H91		1-51-04/sht.3	QAL-14	VT-3	NA	4.000		Calculation No. OSC-1639, page 32.2. High Pressure Injection.
	Rigid Restraint	51A	O-ISIN4-101A-1.4				0.750		
Class B			O-1AB-15104-03						
F01.021.072	1-51B-436H-H5176		1-51-01/sht.3	QAL-14	VT-3	NA	2.500		Calculation No. OSC-400, page 52.
	Rigid Restraint	51B	O-ISIN4-101A-1.2				0.000		
Class B			O-1AB-15101-03						
F01.021.121	1-56-439C-DE001		4-56-02/sht.1	QAL-14	VT-3	NA	8.000		Calculation No. OSC-421, page 93.
	Rigid Restraint	56	O-ISIN4-104A-1.1				0.000		
Class B									

Total F01.021 Items: 4

****** Category C, Thermal Movement ******

F01.022.062	1-51A-1-0-444-H3		1-51-05/sht.2	QAL-14	VT-3	NA	4.000		Calculation No. OSC-1537, page 56.1. High Pressure Injection.
	Spring Hgr	51A	O-ISIN4-101A-1.3				0.500		
Class B									
F01.022.102	1-53B-3-0-444-H1		1-53-01/sht.2	QAL-14	VT-3	NA	12.000		Calculation No. OSC-407, page 105.1.
	Spring Hgr	53B	O-ISIN4-102A-1.1				1.000		
Class B			O-1AB-15301-02						
F01.022.103	1-53B-4-0-435B-H10		1-53-01/sht.1	QAL-14	VT-3	NA	14.000		Calculation No. OSC-407, page 104.
	Spring Hgr	53B	O-ISIN4-102A-1.1				0.237		
Class B			O-1AB-15301-01						
F01.022.113	1-54A-3-0-435B-R5		1-54-01/sht.1	QAL-14	VT-3	NA	8.000		Calculation No. OSC-1628, page 60. Inspect with F01.050.057.
	Hyd Snubber	54A	O-ISIN4-103A-1.1				0.000		
Class B									

Total F01.022 Items: 4

CATEGORY F-A, Supports

DUKE ENERGY CORPORATION
INSERVICE INSPECTION PLAN MANAGEMENT
Inservice Inspection Database Management System

Class 3 Piping Supports

Oconee 1

Inservice Inspection Plan for Interval 4 Outage 1

ITEM NUMBER	ID NUMBER	SYS	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
****** Category A, One-Directional ******									
F01.030.042	1-03A-401A-DE003		1-03A-05/sht.1	QAL-14	VT-3	NA	6.000		Calculation No. OSC-339, page 79.
	Rigid Support	03A	O-ISIN4-121D-1.1				0.000		
Class C									
F01.030.043	1-03A-1-0-437A-H67		1-03A-05/sht.4	QAL-14	VT-3	NA	6.000		Calculation No. OSC-339, page 82.
	Rigid Support	03A	O-ISIN4-121D-1.1				0.500		
Class C									
F01.030.044	1-03A-1-0-439A-SR39		1-03A-06/sht.1	QAL-14	VT-3	NA	6.000		Calculation No. OSC-340, page 88.
	Rigid Support	03A	O-ISIN4-121D-1.1				1.000		
Class C									
F01.030.045	1-03A-1-0-439B-H28		1-03A-06/sht.1	QAL-14	VT-3	NA	6.000		Calculation No. OSC-340, page 88. Inspect with
	Rigid Support	03A	O-ISIN4-121D-1.1				0.216		D01.020.029.
Class C									
F01.030.056	1-04A-2-0-439B-H17		1-04A-06	QAL-14	VT-3	NA	6.000		Calculation No. OSC-1404, page 77.
	Rigid Support	04A	O-ISIN4-121B-1.5				0.000		
Class C									
F01.030.057	1-04A-2-0-439B-H16		1-04A-06	QAL-14	VT-3	NA	6.000		Calculation No. OSC-1404, page 77.
	Rigid Support	04A	O-ISIN4-121B-1.5				0.000		
Class C									
F01.030.063	1-07A-400B-GTE-1901		1-07A-02/sht.2	QAL-14	VT-3	NA	8.000		Calculation No. OSC-362, page 56.
	Rigid Support	07A	O-ISIN4-121A-1.8				0.000		
Class C									
F01.030.064	1-07A-400B-SR8		1-07A-02/sht.1	QAL-14	VT-3	NA	8.000		Calculation No. OSC-362, page 55.
	Rigid Support	07A	O-ISIN4-121A-1.8				0.000		
Class C									

CATEGORY F-A, Supports

DUKE ENERGY CORPORATION
INSERVICE INSPECTION PLAN MANAGEMENT
Inservice Inspection Database Management System
Oconee 1
Inservice Inspection Plan for Interval 4 Outage 1

Class 3 Piping Supports

ITEM NUMBER	ID NUMBER	SYS	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
F01.030.071	1-08-400A-H4050		1-08-01/sht.2	QAL-14	VT-3	NA	10.000		Calculation No. OSC-1902.
	Rigid Support	08	O-ISIN4-122A-1.4				0.000		
Class C									
F01.030.102	1-14B-0-439A-SR59		1-14-06/sht.1	QAL-14	VT-3	NA	14.000		Calculation No. OSC-1541 pg. 100.
	Rigid Support	14B	O-ISIN4-124B-1.2				0.500		
Class C									
F01.030.131	1-56-438C-DE009		4-56-02/sht.2	QAL-14	VT-3	NA	8.000		Calculation No. OSC-421, page 94.
	Rigid Support	56	O-ISIN4-104A-1.1				0.000		
Class C									
F01.030.132	1-56-5-0-437B-H17		4-56-07/sht.1	QAL-14	VT-3	NA	8.000		Calculation No. OSC-1359-02, page 28. Inspect with D01.020.083.
	Rigid Support	56	O-ISIN4-104A-1.1				0.125		
Class C									
F01.030.136	1-56-4-0-443-H65		4-56-02/sht.2	QAL-14	VT-3	NA	8.000		Calculation No. OSC-421, page 94.
	Rigid Support	56	O-ISIN4-104A-1.1				1.000		
Class C									
F01.030.141	1-57-0-481A-H1		1-57-01/sht.1	QAL-14	VT-3	NA	12.000		Calculation No. OSC-1313-06, page 41.1. Inspect with F01.030.141.
	Rigid Support	57	O-ISIN4-100A-1.2				0.750		
Class C			0-491C-2A(S)						

Total F01.030 Items: 14

****** Category B, Multi-Directional ******

F01.031.011	1-03-480A-H6175		1-03A-14/sht.1	QAL-14	VT-3	NA	6.000		Calculation No. OSC-1224-16, page 41.
	Rigid Restraint	03	O-ISIN4-121D-1.1				0.000		
Class C									
F01.031.035	1-04A-2-0-439B-R5		1-04A-06	QAL-14	VT-3	NA	6.000		Calculation No. OSC-1404, page 77.
	Rigid Restraint	04A	O-ISIN4-121B-1.5				1.000		
Class C									

CATEGORY F-A, Supports

DUKE ENERGY CORPORATION
INSERVICE INSPECTION PLAN MANAGEMENT
Inservice Inspection Database Management System
Oconee 1
Inservice Inspection Plan for Interval 4 Outage 1

Class 3 Piping Supports

ITEM NUMBER	ID NUMBER	SYS	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
F01.031.036	1-04A-2-0-439B-R6		1-04A-06	QAL-14	VT-3	NA	6.000		Calculation No. OSC-1404, page 77.
	Rigid Restraint	04A	O-ISIN4-121B-1.5				0.375		
Class C									
F01.031.042	1-07A-400B-SR22		1-07A-01/sht.4	QAL-14	VT-3	NA	30.000		Calculation No. OSC-361, page 88.1.
	Rigid Restraint	07A	O-ISIN4-121A-1.7				0.000		
Class C									
F01.031.051	1-08-400A-H4055		1-08-01/sht.2	QAL-14	VT-3	NA	10.000		Calculation No. OSC-1902, page 39.
	Rigid Restraint	08	O-ISIN4-122A-1.4				0.000		
Class C									
F01.031.073	1-14B-0-400B-SR35		1-14-06/sht.2	QAL-14	VT-3	NA	24.000		Calculation No. OSC-1541, page 101. Inspect with
	Rigid Restraint	14B	O-ISIN4-124A-1.1				3.500		F01.031.073.
Class C									
F01.031.074	1-14B-0-437A-SR51		1-14-06/sht.2	QAL-14	VT-3	NA	14.000		Calculation No. OSC-1541, page 101.
	Rigid Restraint	14B	O-ISIN4-124B-1.1				1.625		
Class C									

Total F01.031 Items: 7

****** Category C, Thermal Movement ******

F01.032.017	1-03-0-439A-H63		1-03-01/sht.1	QAL-14	VT-3	NA	24.000		Calculation No. OSC-336, page 45a.1. Inspect with
	Spring Hgr	03	O-ISIN4-121B-1.3				0.187		D01.020.011.
Class C									
F01.032.018	1-03-479F-H6068		1-03A-14/sht.2	QAL-14	VT-3	NA	6.000		Calculation No. OSC-1224-16, page 42. Inspect with
	Mech Snubber	03	O-ISIN4-121D-1.1				0.000		F01.050.099.
Class C									
F01.032.041	1-04A-2-0-439B-R12		1-04A-06	QAL-14	VT-3	NA	6.000		Calculation No. OSC-1404, page 77. Inspect with
	Constant Support	04A	O-ISIN4-121B-1.5				0.437		D01.020.036.
Class C									

CATEGORY F-A, Supports

DUKE ENERGY CORPORATION
INSERVICE INSPECTION PLAN MANAGEMENT
Inservice Inspection Database Management System

Oconee 1

Inservice Inspection Plan for Interval 4 Outage 1

Class 3 Piping Supports

ITEM NUMBER	ID NUMBER	SYS	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
F01.032.052	1-07A-6-0-400A-H41		1-07A-01/sht.1	QAL-14	VT-3	NA	24.000		Calculation No. OSC-361, page 85.1. Inspect with F01.050.102.
	Mech Snubber	07A	O-ISIN4-121A-1.8				0.000		
Class C									

Total F01.032 Items: 4

CATEGORY F-A, Supports

DUKE ENERGY CORPORATION
INSERVICE INSPECTION PLAN MANAGEMENT
Inservice Inspection Database Management System

Supports Other Than Piping Supports

Oconee 1

Inservice Inspection Plan for Interval 4 Outage 1

ITEM NUMBER	ID NUMBER	SYS	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
****** Class 1, 2, and 3 ******									
F01.040.006	1-DHRC-A-SUPPORT		OM 201-286	QAL-14	VT-3	NA	0.000		Decay Heat Removal Cooler 1A. Support located on Class C side of HX.
		14B	O-ISIN4-102A-1.2				0.000		
Class C									

Total F01.040 Items:	**1**
Total F01 Items:	**46**

CATEGORY AUG, Augmented Inspections

DUKE ENERGY CORPORATION
INSERVICE INSPECTION PLAN MANAGEMENT
Inservice Inspection Database Management System
Oconee 1
Inservice Inspection Plan for Interval 4 Outage 1

Reactor Coolant Pump Flywheels

ITEM NUMBER	ID NUMBER	SYS	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
G01.001.001A	1-RCP-1A1		OM-201D-38	NDE-25	MT	CS	72.000		Reactor Coolant Pump 1A1 Flywheel. When maintenance or repair activities require removal of the flywheel, 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 Section 7 of the ISI Plan, General Requirements.
	Circumferential	50					9.500		
Class A									
G01.001.002A	1-RCP-1A2		OM-201D-38	NDE-25	MT	CS	72.000		Reactor Coolant Pump 1A2 Flywheel. When maintenance or repair activities require removal of the flywheel, 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 Section 7 of the ISI Plan, General Requirements.
	Circumferential	50					9.500		
Class A									
G01.001.003A	1-RCP-1B1		OM-201D-38	NDE-25	MT	CS	72.000		Reactor Coolant Pump 1B1 Flywheel. When maintenance or repair activities require removal of the flywheel, 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 Section 7 of the ISI Plan, General Requirements.
	Circumferential	50					9.500		
Class A									
G01.001.004A	1-RCP-1B2		OM-201D-38	NDE-25	MT	CS	72.000		Reactor Coolant Pump 1B2 Flywheel. When maintenance or repair activities require removal of the flywheel, 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 Section 7 of the ISI Plan, General Requirements.
	Circumferential	50					9.500		
Class A									

Total G01.001 Items: 4

Total G01 Items: 4

CATEGORY AUG, Augmented Inspections

DUKE ENERGY CORPORATION
INSERVICE INSPECTION PLAN MANAGEMENT
Inservice Inspection Database Management System

Thermal Stress Piping Examinations

Oconee 1

Inservice Inspection Plan for Interval 4 Outage 1

ITEM NUMBER	ID NUMBER	SYS	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
G04.001.007 Class A	1HP-255-6 Circumferential	51A	1HP-255 O-ISIN4-101A-1.4	See Com	UT Elbow to Pipe	SS	2.500 0.375		Inspect 100% of weld & 1" of base material (axial & circumferential). This weld was 1-51A-10-6 until iso 1-51A-10 was deleted and welds were transferred to iso 1HP-255. Reference Section 7 of the ISI Plan, General Requirements. Procedure EPRI-NDEC-UT-X
G04.001.012 Class A	1HP-190-12 Circumferential	51A	1HP-190	See Com	UT Pipe to Elbow	SS	2.500 0.375		Inspect 100% of weld & 1" of base material (axial & circumferential). This weld was 1-51A-5-77C until iso 1-51A-5 was deleted and welds transferred to iso 1HP-190. Reference Section 7 of the ISI Plan, General Requirements. Procedure EPRI-NDEC-UT-X
G04.001.015 Class A	1HP-190-16 Circumferential	51A	1HP-190 O-ISIN4-101A-1.4	See Com	UT Pipe to Valve 1HP-488	SS	2.500 0.375		Inspect 100% of weld & 1" of base material (axial & circumferential). Reference Section 7 of the ISI Plan, Volume 1. Procedure EPRI-NDEC-UT-X
G04.001.016 Class A	1HP-190-13 Circumferential	51A	1HP-190 O-ISIN4-101A-1.4	See Com	UT Elbow to Pipe	SS	2.500 0.375		Inspect 100% of weld & 1" of base material (axial & circumferential). Reference Section 7 of the ISI Plan, General Requirements. Procedure EPRI-NDEC-UT-X
G04.001.017 Class A	1HP-279-4 Circumferential	51A	1HP-279 O-ISIN4-101A-1.4	See Com	UT Elbow to Pipe	SS	2.500 0.375		Inspect 100% of weld & 1" of base material (axial & circumferential). This weld was 1-51A-10-4 until iso 1-51A-10 was deleted and welds tranferred to iso 1HP-279. Reference Section 7 of the ISI Plan, General Requirements. Procedure EPRI-NDEC-UT-X
G04.001.018 Class A	1HP-279-3 Circumferential	51A	1HP-279 O-ISIN4-101A-1.4	See Com	UT Elbow to Pipe	SS	2.500 0.375		Inspect 100% of weld & 1" of base material (axial & circumferential). This weld was 1-51A-10-3 until iso 1-51A-10 was deleted and welds tranferred to iso 1HP-279. Reference Section 7 of the ISI Plan, General Requirements. Procedure EPRI-NDEC-UT-X
G04.001.019 Class A	1HP-279-24 Circumferential	51A	1HP-279 O-ISIN4-101A-1.4	See Com	UT Pipe to Valve 1HP-489	SS	2.500 0.375		Inspect 100% of weld & 1" of base material (axial & circumferential). Reference Section 7 of the ISI Plan, General Requirements. Procedure EPRI-NDEC-UT-X

CATEGORY AUG, Augmented Inspections

DUKE ENERGY CORPORATION
INSERVICE INSPECTION PLAN MANAGEMENT
Inservice Inspection Database Management System

Thermal Stress Piping Examinations

Oconee 1

Inservice Inspection Plan for Interval 4 Outage 1

ITEM NUMBER	ID NUMBER	SYS	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
G04.001.021	1HP-277-42C		1HP-277	See Com	UT	SS	2.500		Inspect 100% of weld & 1" of base material (axial &
	Circumferential	51A	O-ISIN4-101A-1.4				0.375		circumferential). This weld was 1-51A-04-42C until
Class A					Pipe to				iso 1-51A-04 was deleted and welds transferred to
					Elbow				iso 1HP-277. Reference Section 7 of the ISI Plan,
									General Requirements.
									Procedure EPRI-NDEC-UT-X
G04.001.022	1HP-277-43C		1HP-277	See Com	UT	SS	2.500		Inspect 100% of weld & 1" of base material (axial &
	Circumferential	51A	O-ISIN4-101A-1.4				0.375		circumferential). This weld was 1-51A-04-43C until
Class A					Elbow to				iso 1-51A-04 was deleted and welds tranferred to
					Pipe				iso 1-HP-277. Reference Section 7 of the ISI Plan,
									General Requirements.
									Procedure EPRI-NDEC-UT-X
G04.001.023	1HP-277-52		1HP-277	See Com	UT	SS	2.500		Inspect 100% of weld & 1" of base material (axial &
	Circumferential	51A	O-ISIN4-101A-1.4				0.375		circumferential). Reference Section 7 of the ISI
Class A					Pipe to				Plan, General Requirements.
					Valve 1HP-486				Procedure EPRI-NDEC-UT-X
G04.001.025	1HP-278-22C		1HP-278	See Com	UT	SS	2.500		Inspect 100% of weld & 1" of base material (axial &
	Circumferential	51A	O-ISIN4-101A-1.4				0.375		circumferential). This weld was 1-51A-04-22C until
Class A					Pipe to				iso 1-51A-04 was deleted welds tranferred to
					Elbow				1-HP-278. Reference Section 7 of the ISI Plan,
									General Requirements.
									Procedure EPRI-NDEC-UT-X
G04.001.026	1HP-278-23C		1HP-278	See Com	UT	SS	2.500		Inspect 100% of weld & 1" of base material (axial &
	Circumferential	51A	O-ISIN4-101A-1.4				0.375		circumferential). This weld was 1-51A-04-23C until
Class A					Elbow to				iso 1-51A-04 was deleted and welds transferred to
					Pipe				iso 1-HP-278. Reference Section 7 of the ISI Plan,
									General Requirements.
									Procedure EPRI-NDEC-UT-X
G04.001.027	1HP-278-24		1HP-278	See Com	UT	SS	2.500		Inspect 100% of weld & 1" of base material (axial &
	Circumferential	51A	O-ISIN4-101A-1.4				0.375		circumferential). Reference Section 7 of the ISI
Class A					Pipe to				Plan, General Requirements.
					Valve 1HP-487				Procedure EPRI-NDEC-UT-X

Total G04.001 Items: 13

Total G04 Items: 13

Duke Power Company

Inservice Inspection Management

Inservice Inspection Plan For:

Oconee Unit 1

Interval **4**

ISI Outage **2**

Refueling Outage **EOC 23**

ISI Examination Listing and Schedule

Revision 0

CATEGORY B-A, Pressure Retaining Welds In Reactor Vessel

[redacted] Head Welds

DUKE ENERGY CORPORATION
INSERVICE INSPECTION PLAN MANAGEMENT
Inservice Inspection Database Management System

Oconee 1

Inservice Inspection Plan for Interval 4 Outage 2

ITEM NUMBER	ID NUMBER	SYS	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
****** Circumferential ******									
B01.021.001	1-RPV-WH5		ISI-OCN1-001	NDE-660	UT	CS	0.000	40387	Reactor Vessel Upper Head Cap Section Pc. 24 to Upper Head Ring Section Pc. 23.
	Circumferential	50	OM-201-1122				6.625		
Class A					Cap Section to Ring Section				

Total B01.021 Items: 1

CATEGORY B-A, Pressure Retaining Welds In Reactor Vessel

[redacted]Head-to-Flange Weld

DUKE ENERGY CORPORATION
INSERVICE INSPECTION PLAN MANAGEMENT
Inservice Inspection Database Management System

Oconee 1

Inservice Inspection Plan for Interval 4 Outage 2

ITEM NUMBER	ID NUMBER	SYS	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
B01.040.001	1-RPV-WH7		ISI-OCN1-001	PDI-UT-6	UT	CS	147.000	40387	Reactor Vessel Upper Head Ring Section Pc. 23 to Upper Head Flange Pc. 22. Requires personnel with single sided qualification. If such examiners are not available, use procedures NDE-640 and NDE-820.
	Circumferential	50	OM-201-1122				6.625	50236	
Class A					Ring Section to Flange				
B01.040.001A	1-RPV-WH7		ISI-OCN1-001	NDE-25	MT	CS	147.000		Reactor Vessel Upper Head Ring Section Pc. 23 to Upper Head Flange Pc. 22.
	Circumferential	50	OM-201-1122				6.625		
Class A					Ring Section to Flange				

Total B01.040 Items:	**2**
Total B01 Items:	**3**

DUKE ENERGY CORPORATION
INSERVICE INSPECTION PLAN MANAGEMENT
Inservice Inspection Database Management System

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

Steam Generators (Primary Side)

Oconee 1

Inservice Inspection Plan for Interval 4 Outage 2

ITEM NUMBER	ID NUMBER	SYS	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
****** Tubesheet-to-Head Weld ******									
B02.040.001	1-SGA-WG58-1		ISI-OCN1-003	NDE-820	UT	CS	119.000	40393	Steam Generator 1A Upper Head to Upper Tubesheet. Pc. 8 to Pc. 51.
	Circumferential	50	OM-201-1873	NDE-640			8.500		
Class A					Head to Tubesheet				

Total B02.040 Items: 1

Total B02 Items: 1

DUKE ENERGY CORPORATION
INSERVICE INSPECTION PLAN MANAGEMENT
Inservice Inspection Database Management System

CATEGORY B-D, Full Penetration Welded Nozzles In Vessels - Inspection Program B

[redacted] Pressurizer

Oconee 1

Inservice Inspection Plan for Interval 4 Outage 2

ITEM NUMBER	ID NUMBER	SYS	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
****** Nozzle-to-Vessel Welds ******									
B03.110.001	1-PZR-WP15		ISI-OCN1-002	NDE-640	UT	CS	15.250	40394	Pressurizer Surge Nozzle Pc. 8 to Lower Head Pc. 6.
	Circumferential	50	OM-201-287	NDE-820			4.750		
Class A			OM-201-1878		Nozzle to Head				The pressurizer LOCA restraint will require removal for inspection of Weld No. 1-PZR-WP15.

Total B03.110 Items: 1

CATEGORY B-D, Full Penetration Welded Nozzles In Vessels - Inspection Program B

Pressurizer

DUKE ENERGY CORPORATION
INSERVICE INSPECTION PLAN MANAGEMENT
Inservice Inspection Database Management System

Oconee 1

Inservice Inspection Plan for Interval 4 Outage 2

ITEM NUMBER	ID NUMBER	SYS	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
****** Nozzle Inside Radius Section ******									
B03.120.001	1-PZR-WP15		ISI-OCN1-002	NDE-680	UT	CS	15.250	TBD	Pressurizer Surge Nozzle Pc. 8 to Lower Head Pc. 6. (Inside Radius Section). The pressurizer LOCA restraint will require removal for inspection of Weld No. 1-PZR-WP15.
		50	OM-201-287				3.375		
Class A			OM-201-1878		Nozzle to Head				

Total B03.120 Items: 1

CATEGORY B-D, Full Penetration Welded Nozzles In Vessels - Inspection Program B

Heat Exchangers (Primary Side)

DUKE ENERGY CORPORATION
INSERVICE INSPECTION PLAN MANAGEMENT
Inservice Inspection Database Management System

Oconee 1

Inservice Inspection Plan for Interval 4 Outage 2

ITEM NUMBER	ID NUMBER	SYS	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
****** Nozzle-to-Vessel Welds ******									
B03.150.001	1-LDCA-IN-V2		18792-1	NDE-3630	UT	SS	3.000	40411	Letdown Cooler 1A Tubeside Inlet Nozzle Pc. 5 to Channel Body Pc. 3.
	Circumferential	51A	OM-201-3107				0.875		
Class A					Nozzle to Channel Body				
B03.150.002	1-LDCA-OUT-V6		18792-1	NDE-3630	UT	SS	3.000	40411	Letdown Cooler 1A Tubeside Outlet Nozzle Pc. 5 to Channel Body Pc. 3.
	Circumferential	51A	OM-201-3107				0.875		
Class A					Nozzle to Channel Body				

Total B03.150 Items: 2

CATEGORY B-D, Full Penetration Welded Nozzles In Vessels - Inspection Program B

Heat Exchangers (Primary Side)

DUKE ENERGY CORPORATION
INSERVICE INSPECTION PLAN MANAGEMENT
Inservice Inspection Database Management System
Oconee 1
Inservice Inspection Plan for Interval 4 Outage 2

ITEM NUMBER	ID NUMBER	SYS	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
****** Nozzle Inside Radius Section ******									
B03.160.001	1-LDCA-IN-V2		18792-1	TBD	UT	SS	3.000	TBD	Letdown Cooler 1A Tubeside Inlet Nozzle Pc. 5 to Channel Body Pc. 3. (Inside Radius Section). This item will not be examined, reference Section 9 for Request for Relief.
		51A	OM-201-3107				0.875		
Class A					Nozzle to Channel Body				
B03.160.002	1-LDCA-OUT-V6		18792-1	TBD	UT	SS	3.000	TBD	Letdown Cooler 1A Tubeside Outlet Nozzle Pc. 5 to Channel Body Pc. 3. (Inside Radius Section). This item will not be examined, reference Section 9 for Request for Relief.
		51A	OM-201-3107				0.875		
Class A					Nozzle to Channel Body				

Total B03.160 Items: 2

Total B03 Items: 6

CATEGORY B-G-1, Pressure Retaining Bolting, Greater Than 2 in. In Diameter

[redacted] Reactor Vessel

DUKE ENERGY CORPORATION
INSERVICE INSPECTION PLAN MANAGEMENT
Inservice Inspection Database Management System

Oconee 1

Inservice Inspection Plan for Interval 4 Outage 2

ITEM NUMBER	ID NUMBER	SYS	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
**** Threads in Flange ****									
B06.040.001	1-RPV-LIGAMENTS		OM-201-1007	NDE-640	UT	CS	200.000 12.500	40387	Reactor Vessel Flange Threads. (0-180 Degrees)
Class A									

Total B06.040 Items: 1

CATEGORY B-G-1, Pressure Retaining Bolting, Greater Than 2 in. In Diameter

[redacted]Pressurizer

DUKE ENERGY CORPORATION
INSERVICE INSPECTION PLAN MANAGEMENT
Inservice Inspection Database Management System
Oconee 1
Inservice Inspection Plan for Interval 4 Outage 2

ITEM NUMBER	ID NUMBER	SYS	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
****** Flange Surface, when connection disassembled ******									
B06.070.001	1-PZR-MW-FLANGE		OM-201-1026	QAL-13	VT-1	CS	28.000 0.000		Pressurizer Manway Flange Surface. Examination Includes 1" Annular Surface Surrounding Each Stud. (Inspect when connection disassembled)
Class A									

Total B06.070 Items: 1

CATEGORY B-G-1, Pressure Retaining Bolting, Greater Than 2 in. In Diameter

[redacted] Pumps

DUKE ENERGY CORPORATION
INSERVICE INSPECTION PLAN MANAGEMENT
Inservice Inspection Database Management System
Oconee 1
Inservice Inspection Plan for Interval 4 Outage 2

ITEM NUMBER	ID NUMBER	SYS	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
****** Flange Surface, when connection disassembled ******									
B06.190.001	1-RCP-1A1-FLANGE		OM-201.D-35 OM-201.D-38	QAL-13	VT-1	SS	77.000 0.000		Reactor Coolant Pump 1A1 Main Flange. Examination includes 1" annular surface of flange surrounding each stud. (Inspect when connection disassembled)
Class A			OM-201-1148						
B06.190.002	1-RCP-1A2-FLANGE		OM-201.D-35 OM-201.D-38	QAL-13	VT-1	SS	77.000 0.000		Reactor Coolant Pump 1A2 Main Flange. Examination includes 1" annular surface of flange surrounding each stud. (Inspect when connection disassembled)
Class A			OM-201-1148						
B06.190.003	1-RCP-1B1-FLANGE		OM-201.D-35 OM-201.D-38	QAL-13	VT-1	SS	77.000 0.000		Reactor Coolant Pump 1B1 Main Flange. Examination includes 1" annular surface of flange surrounding each stud. (Inspect when connection disassembled)
Class A			OM-201-1148						
B06.190.004	1-RCP-1B2-FLANGE		OM-201.D-35 OM-201.D-38	QAL-13	VT-1	SS	77.000 0.000		Reactor Coolant Pump 1B2 Main Flange. Examination includes 1" annular surface of flange surrounding each stud. (Inspect when connection disassembled)
Class A			OM-201-1148						

Total B06.190 Items: 4

Total B06 Items: 6

DUKE ENERGY CORPORATION
INSERVICE INSPECTION PLAN MANAGEMENT
Inservice Inspection Database Management System

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

[redacted] Pressurizer

Oconee 1

Inservice Inspection Plan for Interval 4 Outage 2

ITEM NUMBER	ID NUMBER	SYS	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
****** Bolts, Studs, and Nuts ******									
B07.020.001	1-PZR-UHB-STUDS		OM-201-9 OM-201-1262	QAL-13	VT-1	CS	2.000 0.000		Pressurizer Upper Heater Bundle Studs Pc. 75 and nuts. 16 Studs, Length = 17.875. Examine all studs and nuts.
Class A									

Total B07.020 Items: 1

DUKE ENERGY CORPORATION
INSERVICE INSPECTION PLAN MANAGEMENT
Inservice Inspection Database Management System

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

[redacted]Valves

Oconee 1

Inservice Inspection Plan for Interval 4 Outage 2

ITEM NUMBER	ID NUMBER	SYS	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
****** Bolts, Studs, and Nuts ******									
B07.070.005	1-53A-LP47-STUDS		OM-245-001	QAL-13	VT-1	CS	1.000		A-Side LPI 10" Valve 1LP-47 Bolting. Inspect one of the following valves: 1LP-47 or 1LP-48. Examine all studs and nuts.
		53A	O-ISIN4-102A-1.2				0.000		
Class A									

Total B07.070 Items: 1

DUKE ENERGY CORPORATION
INSERVICE INSPECTION PLAN MANAGEMENT
Inservice Inspection Database Management System

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

[redacted] CRD Housings

Oconee 1

Inservice Inspection Plan for Interval 4 Outage 2

ITEM NUMBER	ID NUMBER	SYS	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
****** Bolts, Studs, and Nuts ******									
B07.080.001	1-RPV-CRD-HOUSING		OM-201-2186	QAL-13	VT-1	CS	1.250		CRD Housing includes Bolts (8 bolts on each connection) and Housing Rings (1 pair per housing.) Inspect only if disassembled. Inspect only bolting that is to be reused.
Class A			DPS 706599-1056				0.000		
			B&W152006E						

Total B07.080 Items: 1

Total B07 Items: 3

DUKE ENERGY CORPORATION
INSERVICE INSPECTION PLAN MANAGEMENT
Inservice Inspection Database Management System
Oconee 1
Inservice Inspection Plan for Interval 4 Outage 2

CATEGORY B-J, Pressure Retaining Welds In Piping

[redacted] NPS 4 or Larger

ITEM NUMBER	ID NUMBER	SYS	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
****** Circumferential Welds ******									
B09.011.008	1-53A-02-50L		1-53A-02(3)	NDE-600	UT	SS	14.000	40389	Procedure PDI-UT-2 may be used.
	Circumferential	53A	O-ISIN4-102A-1.3				1.250		
Class A					Elbow to Pipe				
B09.011.008A	1-53A-02-50L		1-53A-02(3)	NDE-35	PT	SS	14.000		
	Circumferential	53A	O-ISIN4-102A-1.3				1.250		
Class A					Elbow to Pipe				
B09.011.009	1-53A-02-54LB		1-53A-02(2)	NDE-600	UT	SS	10.000	40399	Procedure PDI-UT-2 may be used.
	Circumferential	53A	O-ISIN4-102A-1.3				1.000		
Class A					Pipe to Elbow				
B09.011.009A	1-53A-02-54LB		1-53A-02(2)	NDE-35	PT	SS	10.000		
	Circumferential	53A	O-ISIN4-102A-1.3				1.000		
Class A					Pipe to Elbow				
B09.011.010	1-53A-02-56L		1-53A-02(2)	NDE-600	UT	SS	10.000	40399	Procedure PDI-UT-2 may be used.
	Circumferential	53A	O-ISIN4-102A-1.3				1.000		
Class A					Elbow to Pipe				
B09.011.010A	1-53A-02-56L		1-53A-02(2)	NDE-35	PT	SS	10.000		
	Circumferential	53A	O-ISIN4-102A-1.3				1.000		
Class A					Elbow to Pipe				
B09.011.011	1-53A-02-57L		1-53A-02(2)	NDE-600	UT	SS	10.000	40399	Procedure PDI-UT-2 may be used.
	Circumferential	53A	O-ISIN4-102A-1.3				1.000		
Class A					Pipe to Elbow				
B09.011.011A	1-53A-02-57L		1-53A-02(2)	NDE-35	PT	SS	10.000		
	Circumferential	53A	O-ISIN4-102A-1.3				1.000		
Class A					Pipe to Elbow				

CATEGORY B-J, Pressure Retaining Welds In Piping

NPS 4 or Larger

DUKE ENERGY CORPORATION
INSERVICE INSPECTION PLAN MANAGEMENT
Inservice Inspection Database Management System
Oconee 1
Inservice Inspection Plan for Interval 4 Outage 2

ITEM NUMBER	ID NUMBER	SYS	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
B09.011.012	1-53A-02-59LA		1-53A-02(2)	NDE-600	UT	SS	10.000	40399	Procedure PDI-UT-2 may be used.
	Circumferential	53A	O-ISIN4-102A-1.3				1.000		
Class A					Elbow to Pipe				
B09.011.012A	1-53A-02-59LA		1-53A-02(2)	NDE-35	PT	SS	10.000		
	Circumferential	53A	O-ISIN4-102A-1.3				1.000		
Class A					Elbow to Pipe				
B09.011.013	1-53A-02-60L		1-53A-02(2)	NDE-600	UT	SS	10.000	40399	Procedure PDI-UT-2 may be used.
	Circumferential	53A	O-ISIN4-102A-1.3				1.000		
Class A					Pipe to Elbow				
B09.011.013A	1-53A-02-60L		1-53A-02(2)	NDE-35	PT	SS	10.000		
	Circumferential	53A	O-ISIN4-102A-1.3				1.000		
Class A					Pipe to Elbow				
B09.011.015	1-53A-02-68L		1-53A-02(3)	NDE-600	UT	SS	14.000	40389	Procedure PDI-UT-2 may be used.
	Circumferential	53A	O-ISIN4-102A-1.3				1.250		
Class A					Pipe to Valve 1CF-11				
B09.011.015A	1-53A-02-68L		1-53A-02(3)	NDE-35	PT	SS	14.000		
	Circumferential	53A	O-ISIN4-102A-1.3				1.250		
Class A					Pipe to Valve 1CF-11				
B09.011.016	1-PDA1-2		ISI-OCN1-011	See Com	UT	SS-CS	33.500	40350	Reactor Coolant Pump 1A1 Discharge Piping. Safe
	Circumferential	50	O-ISIN4-100A-1.1				2.330	40397	End Pc. 213 to 13 Degree Elbow Pc. 212.
Class A			OM-201-1844		Safe End to Elbow				Procedure PDI-UT-10
	Dissimilar								
B09.011.016A	1-PDA1-2		ISI-OCN1-011	NDE-35	PT	SS-CS	33.500		Reactor Coolant Pump 1A1 Discharge Piping. Safe
	Circumferential	50	O-ISIN4-100A-1.1				2.330		End Pc. 213 to 13 Degree Elbow Pc. 212.
Class A			OM-201-1844		Safe End to Elbow				
	Dissimilar								
B09.011.026	1-PHA-17		ISI-OCN1-005	See Com	UT	SS-Inconel	10.750	40354	Steam Generator 1A Hot Leg Surge Nozzle Pc. 25
	Circumferential	50	O-ISIN4-100A-1.1				1.000	40414	to Inconel Buttering. Rescheduled 04/08/03 to align
Class A					Nozzle to Buttering				with B09.011.041.
	Dissimilar								Procedure PDI-UT-10

DUKE ENERGY CORPORATION
INSERVICE INSPECTION PLAN MANAGEMENT
Inservice Inspection Database Management System

CATEGORY B-J, Pressure Retaining Welds In Piping

NPS 4 or Larger

Oconee 1

Inservice Inspection Plan for Interval 4 Outage 2

ITEM NUMBER	ID NUMBER	SYS	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
B09.011.026A	1-PHA-17		ISI-OCN1-005	NDE-35	PT	SS-Inconel	10.750		Steam Generator 1A Hot Leg Surge Nozzle Pc. 25 to Inconel Buttering. Rescheduled 04/08/03 to align with B09.011.041A
	Circumferential	50	O-ISIN4-100A-1.1				1.000		
Class A					Nozzle to Buttering				
	Dissimilar								
B09.011.041	1-PSL-10		ISI-OCN1-015	See Com	UT	SS-CS	10.750	40399	Pressurizer Surge Piping. Surge Nozzle Pc. 25 to Pipe 10" NPS Pc. 85.
	Circumferential	50	O-ISIN4-100A-1.1			140	1.000	40414	
Class A	Stress weld		OM-201-594		Nozzle to Pipe				Procedure PDI-UT-10
	Dissimilar								Procedure PDI-UT-2 may be used.
B09.011.041A	1-PSL-10		ISI-OCN1-015	NDE-35	PT	SS-CS	10.750		Pressurizer Surge Piping. Surge Nozzle Pc. 25 to Pipe 10" NPS Pc. 85.
	Circumferential	50	O-ISIN4-100A-1.1			140	1.000		
Class A	Stress weld		OM-201-594		Nozzle to Pipe				
	Dissimilar								
B09.011.047	1-PSL-7		ISI-OCN1-015	NDE-600	UT	SS	10.750	40399	Pressurizer Surge Piping. Elbow Pc. 80 to Pipe Pc. 84.
	Circumferential	50	O-ISIN4-100A-1.1			140	1.000		
Class A	Stress weld				Elbow to Pipe				Procedure PDI-UT-2 may be used.
B09.011.047A	1-PSL-7		ISI-OCN1-015	NDE-35	PT	SS	10.750		Pressurizer Surge Piping. Elbow Pc. 80 to Pipe Pc. 84.
	Circumferential	50	O-ISIN4-100A-1.1			140	1.000		
Class A	Stress weld				Elbow to Pipe				
B09.011.048	1-PSL-8		ISI-OCN1-015	NDE-600	UT	SS	10.750	40399	Pressurizer Surge Piping. Elbow Pc. 80 to Pipe Pc. 84.
	Circumferential	50	O-ISIN4-100A-1.1			140	1.000		
Class A	Stress weld				Elbow to Pipe				Procedure PDI-UT-2 may be used.
B09.011.048A	1-PSL-8		ISI-OCN1-015	NDE-35	PT	SS	10.750		Pressurizer Surge Piping. Elbow Pc. 80 to Pipe Pc. 84.
	Circumferential	50	O-ISIN4-100A-1.1			140	1.000		
Class A	Stress weld				Elbow to Pipe				
B09.011.049	1-PSL-9		ISI-OCN1-015	NDE-600	UT	SS	10.750	40399	Pressurizer Surge Piping. Elbow Pc. 80 to Pipe Pc. 85.
	Circumferential	50	O-ISIN4-100A-1.1			140	1.000		
Class A	Stress weld				Elbow to Pipe				Procedure PDI-UT-2 may be used.
B09.011.049A	1-PSL-9		ISI-OCN1-015	NDE-35	PT	SS	10.750		Pressurizer Surge Piping. Elbow Pc. 80 to Pipe Pc. 85.
	Circumferential	50	O-ISIN4-100A-1.1			140	1.000		
Class A	Stress weld				Elbow to Pipe				

DUKE ENERGY CORPORATION
INSERVICE INSPECTION PLAN MANAGEMENT
Inservice Inspection Database Management System

CATEGORY B-J, Pressure Retaining Welds In Piping

NPS 4 or Larger

Oconee 1

Inservice Inspection Plan for Interval 4 Outage 2

ITEM NUMBER	ID NUMBER	SYS	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
B09.011.051	1-PSP-2		ISI-OCN1-016	NDE-600	UT	SS	4.000	50424	Pressurizer Spray Piping. Elbow Pc. 91 to Pipe Pc. 90.
	Circumferential	50	O-ISIN4-100A-1.1			120	0.438		
Class A	Stress weld				Elbow to Pipe				Procedure PDI-UT-2 may be used.
B09.011.051A	1-PSP-2		ISI-OCN1-016	NDE-35	PT	SS	4.000		Pressurizer Spray Piping. Elbow Pc. 91 to Pipe Pc. 90.
	Circumferential	50	O-ISIN4-100A-1.1			120	0.438		
Class A	Stress weld				Elbow to Pipe				
B09.011.052	1-PSP-3		ISI-OCN1-016	NDE-600	UT	SS	4.000	50424	Pressurizer Spray Piping. Elbow Pc. 91 to Reducer Pc. 102.
	Circumferential	50	O-ISIN4-100A-1.1			120	0.438		
Class A	Stress weld				Elbow to Reducer				Procedure PDI-UT-2 may be used.
B09.011.052A	1-PSP-3		ISI-OCN1-016	NDE-35	PT	SS	4.000		Pressurizer Spray Piping. Elbow Pc. 91 to Reducer Pc. 102.
	Circumferential	50	O-ISIN4-100A-1.1			120	0.438		
Class A	Stress weld				Elbow to Reducer				
B09.011.060	1-PIB2-4		ISI-OCN1-010	NDE-600	UT	CS	33.500	40350	Procedure PDI-UT-1 may be used.
	Circumferential	50	OM-201-1845				2.330		
Class A	Stress weld				Pipe to Elbow				
B09.011.060A	1-PIB2-4		ISI-OCN1-010	NDE-25	MT	CS	33.500		
	Circumferential	50	OM-201-1845				2.330		
Class A	Stress weld				Pipe to Elbow				

Total B09.011 Items: 32

DUKE ENERGY CORPORATION
INSERVICE INSPECTION PLAN MANAGEMENT
Inservice Inspection Database Management System

CATEGORY B-J, Pressure Retaining Welds In Piping

Less Than NPS 4

Oconee 1

Inservice Inspection Plan for Interval 4 Outage 2

ITEM NUMBER	ID NUMBER	SYS	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
**** Circumferential Welds ****									
B09.021.030	1-PSP-13		ISI-OCN1-016	NDE-35	PT	SS	2.875		
	Circumferential	50	O-ISIN4-100A-1.2			160	0.375		
Class A	Stress weld				Pipe to Elbow				
B09.021.033	1-PSP-5		ISI-OCN1-016	NDE-35	PT	SS	2.875		
	Circumferential	50	O-ISIN4-100A-1.2			160	0.375		
Class A	Stress weld				Pipe to Elbow				
B09.021.036	1-PSP-9		ISI-OCN1-016	NDE-35	PT	SS	2.875		
	Circumferential	50	O-ISIN4-100A-1.2			160	0.375		
Class A	Stress weld				Valve 1RC-3 to Pipe				
B09.021.044	1HP-279-24		1HP-279	NDE-35	PT	SS	2.500		
	Circumferential	51A	O-ISIN4-101A-1.4				0.375		
Class A	Stress weld				Pipe to Valve 1HP-489				
B09.021.046	1RC-199-149		1RC-199	NDE-35	PT	SS	2.500		This weld was listed previously as 1-51A-11-3 until iso 1-51A-11 was redrawn. Revision 2 to iso changed weld number to 1-RC-199-149.
	Circumferential	51A	O-ISIN4-101A-1.4			160	0.375		
Class A	Stress weld				Pipe to Valve 1HP-127				
B09.021.047	1RC-199-150		1RC-199	NDE-35	PT	SS	2.500		
	Circumferential	51A	O-ISIN4-101A-1.4			160	0.375		
Class A	Stress weld				Valve 1HP-127 to Valve 1HP-487				
B09.021.048	1RC-200-160		1RC-200	NDE-35	PT	SS	2.500		This weld was listed previously as 1-51A-11-26 until iso 1-51A-11 was redrawn. Revision 2 to isometric changed weld number from 1RC-200-8.
	Circumferential	51A	O-ISIN4-101A-1.4			160	0.375		
Class A	Stress weld				Pipe to Valve 1HP-126				
B09.021.050	1RC-200-166		1RC-200	NDE-35	PT	SS	2.500		
	Circumferential	51A	O-ISIN4-101A-1.4			160	0.375		
Class A	Stress weld				Valve 1HP-486 to Valve 1HP-126				

DUKE ENERGY CORPORATION
INSERVICE INSPECTION PLAN MANAGEMENT
Inservice Inspection Database Management System

Oconee 1

Inservice Inspection Plan for Interval 4 Outage 2

CATEGORY B-J, Pressure Retaining Welds In Piping

Less Than NPS 4

ITEM NUMBER	ID NUMBER	SYS	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
B09.021.053	1RC-201-91		1RC-201	NDE-35	PT	SS	2.500		
	Circumferential	51A	O-ISIN4-101A-1.4				0.375		
Class A	Stress weld				Valve 1HP-489 to Valve 1HP-152				
B09.021.055	1RC-201-96		1RC-201	NDE-35	PT	SS	2.500		
	Circumferential	51A	O-ISIN4-101A-1.4				0.375		
Class A	Stress weld				Valve 1HP-488 to Valve 1HP-153				
B09.021.056	1RC-201-97		1RC-201	NDE-35	PT	SS	2.500		This weld was listed previously as 1-51A-11-90 until iso 1-51A-11 was redrawn. Revision 2 to isometric changed weld number from 1RC-201-4.Weld 1-51A-11-90 was deleted and weld 1RC-201-97 replaced it.
	Circumferential	51A	O-ISIN4-101A-1.4				0.375		
Class A	Stress weld				Pipe to Valve 1HP-153				

Total B09.021 Items: 11

DUKE ENERGY CORPORATION
INSERVICE INSPECTION PLAN MANAGEMENT
Inservice Inspection Database Management System

CATEGORY B-J, Pressure Retaining Welds In Piping

Branch Pipe Connection Welds

Oconee 1

Inservice Inspection Plan for Interval 4 Outage 2

ITEM NUMBER	ID NUMBER	SYS	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
****** NPS 4 or Larger ******									
B09.031.001	1-PHA-16		ISI-OCN1-005	NDE-600	UT	CS	23.000	40350	36" ID Pipe Pc. 23 to Surge Nozzle Pc. 25. The NPS of the branch piping is 10 inches. Procedure PDI-UT-1 may be used.
	Branch	50	O-ISIN4-100A-1.1				2.875		
Class A	Stress weld		OM-201-594		Pipe to Nozzle				
B09.031.001A	1-PHA-16		ISI-OCN1-005	NDE-25	MT	CS	23.000		36" ID Pipe Pc. 23 to Surge Nozzle Pc. 25. The NPS of the branch piping is 10 inches.
	Circumferential	50	O-ISIN4-100A-1.1				2.875		
Class A	Stress weld		OM-201-594		Pipe to Nozzle				
Total B09.031 Items:	**2**								
****** Less Than NPS 4 ******									
B09.032.002	1-PDA1-12		ISI-OCN1-011	NDE-35	PT	SS	12.000		Safe End Pc. 213 to Pressure Spray Nozzle Pc. 51. The NPS of the branch piping is 2.5 inches.
	Branch	50	O-ISIN4-100A-1.1				2.500		
Class A	Stress weld		OM-201-603		Safe End to Nozzle				
Total B09.032 Items:	**1**								

CATEGORY B-J, Pressure Retaining Welds In Piping

Socket Welds

DUKE ENERGY CORPORATION
INSERVICE INSPECTION PLAN MANAGEMENT
Inservice Inspection Database Management System
Oconee 1
Inservice Inspection Plan for Interval 4 Outage 2

ITEM NUMBER	ID NUMBER	SYS	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
B09.040.005	1-51A-07-93		1-51A-07(1)	NDE-35	PT	SS	1.500		
	Socket	51A	O-ISIN4-100A-1.1				0.281		
Class A					Pipe to Valve 1RC43				
B09.040.006	1-51A-07-99		1-51A-07(1)	NDE-35	PT	SS	1.500		
	Socket	51A	O-ISIN4-100A-1.1				0.281		
Class A					Elbow to Pipe				
B09.040.007	1-51A-134A-39		1-51A-134A	NDE-35	PT	SS	2.500		
	Socket	51A	O-ISIN4-101A-1.1				0.375		
Class A					Pipe to Full Coupling				
B09.040.009	1-51A-135-28		1-51A-135	NDE-35	PT	SS	2.500		
	Socket	51A	O-ISIN4-101A-1.1				3.750		
Class A					Pipe to Reducer Coupling				

Total B09.040 Items: 4

Total B09 Items: 50

CATEGORY B-K, Welded Attachments For Vessels, Piping, Pumps, And Valves

Pressure Vessels

DUKE ENERGY CORPORATION
INSERVICE INSPECTION PLAN MANAGEMENT
Inservice Inspection Database Management System

Oconee 1

Inservice Inspection Plan for Interval 4 Outage 2

ITEM NUMBER	ID NUMBER	SYS	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
****** Welded Attachments ******									
B10.010.010	1-RPV-HD-LUG-A		ISI-OCN1-001	NDE-25	MT	CS	0.000		Reactor Vessel Closure Head Lug. X-Y Quadrant at Y Axis.
	Circumferential	50	OM-201-1122				5.625		
Class A					Lifting Lug to Head				
B10.010.011	1-RPV-HD-LUG-B		ISI-OCN1-001	NDE-25	MT	CS	0.000		Reactor Vessel Closure Head Lug. W-X Quadrant at X Axis.
	Circumferential	50	OM-201-1122				5.625		
Class A					Lifting Lug to Head				
B10.010.012	1-RPV-HD-LUG-C		ISI-OCN1-001	NDE-25	MT	CS	0.000		Reactor Vessel Closure Head Lug. W-Z Quadrant at Z Axis.
	Circumferential	50	OM-201-1122				5.625		
Class A					Lifting Lug to Head				
B10.010.013	1-LDCA-SUPPORTS		OM-201-3107	NDE-25	MT	CS	0.000		Letdown Cooler 1A
	Circumferential	51A	O-ISIN4-101A-1.1				0.000		Support Pc. 12 to Casing Shell Pc. 8 .
Class A					Support to Casing Shell				

Total B10.010 Items: 4

CATEGORY B-K, Welded Attachments For Vessels, Piping, Pumps, And Valves

DUKE ENERGY CORPORATION
INSERVICE INSPECTION PLAN MANAGEMENT
Inservice Inspection Database Management System

Oconee 1

Inservice Inspection Plan for Interval 4 Outage 2

Piping

ITEM NUMBER	ID NUMBER	SYS	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
****** Welded Attachments ******									
B10.020.001	1-50-0-481A-H6		1-50-01/sht.1	NDE-35	PT	NA	0.000		Calculation No. OSC-1314-06, page 129. Inspect with F01.012.003.
	Spring Hgr	50	O-ISIN4-100A-1.2				0.154		
Class A									
B10.020.017	1-53A-0-479A-H8B		1-53-08	NDE-35	PT	NA	0.000		Calculation No. OSC-1300. Inspect with F01.012.010.
	Spring Hgr	53A	O-ISIN4-102A-1.3				1.500		
Class A									

Total B10.020 Items:	**2**
Total B10 Items:	**6**

DUKE ENERGY CORPORATION
INSERVICE INSPECTION PLAN MANAGEMENT
Inservice Inspection Database Management System

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

[redacted]Pumps

Oconee 1

Inservice Inspection Plan for Interval 4 Outage 2

ITEM NUMBER	ID NUMBER	SYS	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
****** Pump Casing Welds ******									
B12.010.001	1RCP-1A1		OM-201.D-35	QAL-13	VT-1	SS	77.000		Reactor Coolant Pump 1A1 Casing Weld.
		50	OM-201-1148				0.000		
Class A			ISI-OCN1-007		Casing to Casing				

Total B12.010 Items: 1

CATEGORY B-L-2, Pump Casings

DUKE ENERGY CORPORATION
INSERVICE INSPECTION PLAN MANAGEMENT
Inservice Inspection Database Management System

Oconee 1

Inservice Inspection Plan for Interval 4 Outage 2

Pumps

ITEM NUMBER	ID NUMBER	SYS	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
****** Pump Casing ******									
B12.020.001	1RCP-1A1-CASING		OM-201.D-35	QAL-14	VT-3	SS	77.000		Reactor Coolant Pump 1A1 Casing Internal Surfaces. (Inspect only if pump is disassembled for maintenance, repair, or volumetric examination)
		50	OM-201-1148				0.000		
Class A			ISI-OCN1-007						
B12.020.002	1RCP-1A2-CASING		OM-201.D-35	QAL-14	VT-3	SS	77.000		Reactor Coolant Pump 1A2 Casing Internal Surfaces. (Inspect only if pump is disassembled for maintenance, repair, or volumetric examination)
		50	OM-201-1148				0.000		
Class A			ISI-OCN1-008						
B12.020.003	1RCP-1B1-CASING		OM-201.D-35	QAL-14	VT-3	SS	77.000		Reactor Coolant Pump 1B1 Casing Internal Surfaces. (Inspect only if pump is disassembled for maintenance, repair, or volumetric examination)
		50	OM-201-1148				0.000		
Class A			ISI-OCN1-009						
B12.020.004	1RCP-1B2-CASING		OM-201.D-35	QAL-14	VT-3	SS	77.000		Reactor Coolant Pump 1B2 Casing Internal Surfaces. (Inspect only if pump is disassembled for maintenance, repair, or volumetric examination)
		50	OM-201-1148				0.000		
Class A			ISI-OCN1-010						

Total B12.020 Items: 4

CATEGORY B-M-1, Pressure Retaining Welds In Valve Bodies

[redacted]Valves

DUKE ENERGY CORPORATION
INSERVICE INSPECTION PLAN MANAGEMENT
Inservice Inspection Database Management System
Oconee 1
Inservice Inspection Plan for Interval 4 Outage 2

ITEM NUMBER	ID NUMBER	SYS	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
****** Valves, Less Than NPS 4; Valve Body Welds ******									
B12.030.001	1-51A-HP-126		OM-245-1910	NDE-35	PT	SS	2.500		Valve 1HP-126 Body to Bonnet Extention Weld. Inspect one of the following valves: 1HP-126, 1HP-127, 1HP-152, or 1HP-153.
	Circumferential	51A	O-ISIN4-101A-1.4				0.000		
Class A					Body to Bonnet Extention				

Total B12.030 Items: 1

CATEGORY B-M-2, Valve Body

DUKE ENERGY CORPORATION
INSERVICE INSPECTION PLAN MANAGEMENT
Inservice Inspection Database Management System
Oconee 1
Inservice Inspection Plan for Interval 4 Outage 2

Valves

ITEM NUMBER	ID NUMBER	SYS	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
**** Valve Body, Exceeding NPS 4 ****									
B12.050.001	1-53A-CF-11		OM-245-0001	QAL-14	VT-3	SS	14.000		A- Side Core Flood Valve Body 1CF-11 Internal Surfaces. W Axis. Inspect one of the following valves: 1CF-11, 1CF-12, 1CF-13, or 1CF-14 only if valve is disassembled for maintenance, repair, or volumetric examination.
Class A		53A	O-ISIN4-102A-1.3				0.000		
B12.050.002	1-53A-CF-12		OM-245-0001	QAL-14	VT-3	SS	14.000		A- Side Core Flood Valve Body 1CF-12 Internal Surfaces. W Axis. Inspect one of the following valves: 1CF-11, 1CF-12, 1CF-13, or 1CF-14 only if valve is disassembled for maintenance, repair, or volumetric examination.
Class A		53A	O-ISIN4-102A-1.3				0.000		
B12.050.003	1-53A-CF-13		OM-245-0001	QAL-14	VT-3	SS	14.000		B- Side Core Flood Valve Body 1CF-13 Internal Surfaces. Y Axis. Inspect one of the following valves: 1CF-11, 1CF-12, 1CF-13, or 1CF-14 only if valve is disassembled for maintenance, repair, or volumetric examination.
Class A		53A	O-ISIN4-102A-1.3				0.000		
B12.050.004	1-53A-CF-14		OM-245-0001	QAL-14	VT-3	SS	14.000		B- Side Core Flood Valve Body 1CF-14 Internal Surfaces. Y Axis. Inspect one of the following valves: 1CF-11, 1CF-12, 1CF-13, or 1CF-14 only if valve is disassembled for maintenance, repair, or volumetric examination.
Class A		53A	O-ISIN4-102A-1.3				0.000		
B12.050.005	1-53A-LP-47		OM-245-0001	QAL-14	VT-3	SS	10.000		B-Side LP1 Valve Body 1LP-47 Internal Surfaces. Inspect one of the following valves: 1LP-47 or 1LP-48 only if valve is disassembled for maintenance, repair, or volumetric examination.
Class A		53A	O-ISIN4-102A-1.2				0.000		
B12.050.006	1-53A-LP-48		OM-245-0001	QAL-14	VT-3	SS	10.000		B-Side LP1 Valve Body 1LP-48 Internal Surfaces. Inspect one of the following valves: 1LP-47 or 1LP-48 only if valve is disassembled for maintenance, repair, or volumetric examination.
Class A		53A	O-ISIN4-102A-1.2				0.000		
B12.050.007	1-53A-LP-1		OM-245-2054	QAL-14	VT-3	SS	12.000		Decay Heat Suction Valve Body 1LP-1 Internal Surfaces. Inspect one of the following valves: 1LP-1 or 1LP-2 only if valve is disassembled for maintenance, repair, or volumetric examination.
Class A		53A	O-ISIN4-102A-1.1				0.000		

CATEGORY B-M-2, Valve Body

DUKE ENERGY CORPORATION
INSERVICE INSPECTION PLAN MANAGEMENT
Inservice Inspection Database Management System

Oconee 1

Inservice Inspection Plan for Interval 4 Outage 2

[redacted]Valves

ITEM NUMBER	ID NUMBER	SYS	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
B12.050.008	1-53A-LP-2		OM-245-2055	QAL-14	VT-3	SS	12.000		Decay Heat Suction Valve Body 1LP-2 Internal Surfaces. Inspect one of the following valves: 1LP-1 or 1LP-2 only if valve is disassembled for maintenance, repair, or volumetric examination.
		53A	O-ISIN4-102A-1.1				0.000		
Class A									

Total B12.050 Items:	**8**
Total B12 Items:	**14**

CATEGORY C-A, Pressure Retaining Welds In Pressure Vessels

Head Circumferential Welds

DUKE ENERGY CORPORATION
INSERVICE INSPECTION PLAN MANAGEMENT
Inservice Inspection Database Management System
Oconee 1
Inservice Inspection Plan for Interval 4 Outage 2

ITEM NUMBER	ID NUMBER	SYS	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
C01.020.001	1-LPCB-HD-SH		OM-201-286	NDE-3630	UT	SS	0.000	40385	Decay Heat Cooler 1B Stainless Steel Head to Shell.
	Circumferential	53B	O-ISIN4-102A-1.2				0.625		
Class B					Head to Shell				

Total C01.020 Items: 1

CATEGORY C-A, Pressure Retaining Welds In Pressure Vessels

Tubesheet-to-Shell Weld

DUKE ENERGY CORPORATION
INSERVICE INSPECTION PLAN MANAGEMENT
Inservice Inspection Database Management System

Oconee 1

Inservice Inspection Plan for Interval 4 Outage 2

ITEM NUMBER	ID NUMBER	SYS	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
C01.030.003	1-LPCB-SH-TUBE		OM-201-286	NDE-3630	UT	SS	0.000	40385	Decay Heat Cooler 1B Stainless Steel Shell to Tubesheet.
	Circumferential	53B	O-ISIN4-102A-1.2				0.625		
Class B					Shell to Tubesheet				

Total C01.030 Items: 1

Total C01 Items: 2

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

Pressure Vessels

DUKE ENERGY CORPORATION
INSERVICE INSPECTION PLAN MANAGEMENT
Inservice Inspection Database Management System

Oconee 1

Inservice Inspection Plan for Interval 4 Outage 2

ITEM NUMBER	ID NUMBER	SYS	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
****** Welded Attachments ******									
C03.010.001	1-SGA-WG84-XY		OM-201-176	NDE-25	MT	CS	0.000		Steam Generator 1A Feedwater Header Support Attachment Pc. 152/153 to Pc. 3. X-Y Quadrant Nearest to X-Axis.
		03	OM-201-0006				1.000		
Class B					Attachment to Shell				
C03.010.009	1-RCSR-COOLER-A		OM-201-0086	NDE-35	PT	SS	0.000		Reactor Coolant Seal Return Cooler 1A.
		51B	O-ISIN4-101A-1.1				0.000		
Class B					Attachment to Shell				

Total C03.010 Items: 2

DUKE ENERGY CORPORATION
INSERVICE INSPECTION PLAN MANAGEMENT
Inservice Inspection Database Management System

Oconee 1

Inservice Inspection Plan for Interval 4 Outage 2

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

Piping

ITEM NUMBER	ID NUMBER	SYS	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
****** Welded Attachments ******									
C03.020.051	1-51-0-436H-SR15		1-51-02/sht.1	NDE-35	PT	NA	0.000		Calculation No. OSC-1535, page 135-1. Inspect with F01.021.053.
	Rigid Restraint	51	O-ISIN4-101A-1.2				1.000		
Class B			O-1AB-15102-01						

Total C03.020 Items:	**1**
Total C03 Items:	**3**

DUKE ENERGY CORPORATION
INSERVICE INSPECTION PLAN MANAGEMENT
Inservice Inspection Database Management System

CATEGORY C-D, Pressure Retaining Bolting Greater Than 2 in. In Diameter

Pumps

Oconee 1

Inservice Inspection Plan for Interval 4 Outage 2

ITEM NUMBER	ID NUMBER	SYS	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
****** Bolts and Studs ******									
C04.030.001 Class B	1-HPI-PUMP-A	51A	OM-201-1704 O-ISIN4-101A-1.3	PDI-UT-5	UT	NA	2.500 0.000	40422	HPI Pump 1A Bolting on Pump Casing. 20 Studs, Length = 12.000. The bolting on one of the HPI Pumps(1A, 1B, 1C) is required to be examined. Due to inaccessibility disassembly is required, so therefore they will be scheduled for each outage. Examine upon disassembly for maintenance or disassembly will be required to complete the examination.
C04.030.002 Class B	1-HPI-PUMP-B	51A	OM-201-1704 O-ISIN4-101A-1.3	PDI-UT-5	UT	NA	2.500 0.000	40422	HPI Pump 1B Bolting on Pump Casing. 20 Studs, Length = 12.000. The bolting on one of the HPI Pumps(1A, 1B, 1C) is required to be examined. Due to inaccessibility disassembly is required, so therefore they will be scheduled for each outage. Examine upon disassembly for maintenance or disassembly will be required to complete the examination.
C04.030.003 Class B	1-HPI-PUMP-C	51A	OM-201-1704 O-ISIN4-101A-1.3	PDI-UT-5	UT	NA	2.500 0.000	40422	HPI Pump 1C Bolting on Pump Casing. 20 Studs, Length = 12.000. The bolting on one of the HPI Pumps(1A, 1B, 1C) is required to be examined. Due to inaccessibility disassembly is required, so therefore they will be scheduled for each outage. Examine upon disassembly for maintenance or disassembly will be required to complete the examination.

Total C04.030 Items: 3

Total C04 Items: 3

DUKE ENERGY CORPORATION
INSERVICE INSPECTION PLAN MANAGEMENT
Inservice Inspection Database Management System

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

Oconee 1

Inservice Inspection Plan for Interval 4 Outage 2

ITEM NUMBER	ID NUMBER	SYS	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
****** Circumferential Weld ******									
C05.011.004	1-53A-01-31LD		1-53A-01(3)	NDE-600	UT	SS	10.000	40399	Procedure PDI-UT-2 may be used.
	Circumferential	53A	O-ISIN4-102A-1.2				1.125		
Class B					Pipe to Pipe				
	Dissimilar								
C05.011.004A	1-53A-01-31LD		1-53A-01(3)	NDE-35	PT	SS	10.000		
	Circumferential	53A	O-ISIN4-102A-1.2				1.125		
Class B					Pipe to Pipe				

Total C05.011 Items: 2

DUKE ENERGY CORPORATION
INSERVICE INSPECTION PLAN MANAGEMENT
Inservice Inspection Database Management System

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

Piping Welds > 1/5 in. Nom Wall for Piping >= NPS 2 and <= NPS 4

Oconee 1

Inservice Inspection Plan for Interval 4 Outage 2

ITEM NUMBER	ID NUMBER	SYS	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
**** Circumferential Weld ****									
C05.021.005	1HP-192-8		1HP-192	NDE-600	UT	SS	4.000	40406	Procedure PDI-UT-2 may be used.
	Circumferential	51A	O-ISIN4-101A-1.4				0.531		
Class B					Elbow to Pipe				
C05.021.005A	1HP-192-8		1HP-192	NDE-35	PT	SS	4.000		
	Circumferential	51A	O-ISIN4-101A-1.4				0.531		
Class B					Elbow to Pipe				
C05.021.008	1HP-192-22		1HP-192	NDE-600	UT	SS	4.000	TBD	Procedure PDI-UT-2 may be used.
	Circumferential	51A	O-ISIN4-101A-1.4				0.674		
Class B					Pipe to Elbow				
C05.021.008A	1HP-192-22		1HP-192	NDE-35	PT	SS	4.000		
	Circumferential	51A	O-ISIN4-101A-1.4				0.674		
Class B					Elbow to Pipe				
C05.021.013	1-51A-123-16		1-51A-123	NDE-600	UT	SS	4.000	40406	Procedure PDI-UT-2 may be used.
	Circumferential	51A	O-ISIN4-101A-1.4				0.531		
Class B					Elbow to Pipe				
C05.021.013A	1-51A-123-16		1-51A-123	NDE-35	PT	SS	4.000		
	Circumferential	51A	O-ISIN4-101A-1.4				0.531		
Class B					Elbow to Pipe				
C05.021.019	1-51A-124-12		1-51A-124	NDE-600	UT	SS	4.000	40406	Procedure PDI-UT-2 may be used.
	Circumferential	51A	O-ISIN4-101A-1.3				0.531		
Class B					Elbow to Pipe				
C05.021.019A	1-51A-124-12		1-51A-124	NDE-35	PT	SS	4.000		
	Circumferential	51A	O-ISIN4-101A-1.3				0.531		
Class B					Elbow to Pipe				

DUKE ENERGY CORPORATION
INSERVICE INSPECTION PLAN MANAGEMENT
Inservice Inspection Database Management System

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

Piping Welds > 1/5 in. Nom Wall for Piping >= NPS 2 and <= NPS 4

Oconee 1

Inservice Inspection Plan for Interval 4 Outage 2

ITEM NUMBER	ID NUMBER	SYS	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
C05.021.025	1HP-178-15		1HP-178	NDE-600	UT	SS	4.000	40406	Procedure PDI-UT-2 may be used.
	Circumferential	51A	O-ISIN4-101A-1.4				0.531		
Class B					Elbow to Pipe				
C05.021.025A	1HP-178-15		1HP-178	NDE-35	PT	SS	4.000		
	Circumferential	51A	O-ISIN4-101A-1.4				0.531		
Class B					Elbow to Pipe				
C05.021.031	1HP-200-20		1HP-200	NDE-600	UT	SS	4.000	TBD	Procedure PDI-UT-2 may be used.
	Circumferential	51A	O-ISIN4-101A-1.1				0.674		
Class B					Elbow to Reducer				
C05.021.031A	1HP-200-20		1HP-200	NDE-35	PT	SS	4.000		
	Circumferential	51A	O-ISIN4-101A-1.1				0.674		
Class B					Elbow to Reducer				
C05.021.035	1HP-180-89E		1HP-180	NDE-600	UT	SS	2.500	40378	Procedure PDI-UT-2 may be used.
	Circumferential	51A	O-ISIN4-101A-1.1				0.375		
Class B					Elbow to Pipe				
C05.021.035A	1HP-180-89E		1HP-180	NDE-35	PT	SS	2.500		
	Circumferential	51A	O-ISIN4-101A-1.1				0.375		
Class B					Elbow to Pipe				
C05.021.039	1HP-367-20		1HP-367	NDE-600	UT	SS	3.000	TBD	Procedure PDI-UT-2 may be used.
	Circumferential	51B	O-ISIN4-101A-1.1				0.216		
Class B					Pipe to Elbow				
C05.021.039A	1HP-367-20		1HP-367	NDE-35	PT	SS	3.000		
	Circumferential	51B	O-ISIN4-101A-1.1				0.216		
Class B					Pipe to Elbow				
C05.021.040	1-51A-01-85A		1-51A-01(3)	NDE-600	UT	SS	4.000	40406	Procedure PDI-UT-2 may be used.
	Circumferential	51A	O-ISIN4-101A-1.3				0.531		
Class B					Pipe to Elbow				

DUKE ENERGY CORPORATION
INSERVICE INSPECTION PLAN MANAGEMENT
Inservice Inspection Database Management System

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

Piping Welds > 1/5 in. Nom Wall for Piping >= NPS 2 and <= NPS 4

Oconee 1

Inservice Inspection Plan for Interval 4 Outage 2

ITEM NUMBER	ID NUMBER	SYS	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
C05.021.040A	1-51A-01-85A		1-51A-01(3)	NDE-35	PT	SS	4.000		
	Circumferential	51A	O-ISIN4-101A-1.3				0.531		
Class B					Pipe to Elbow				
C05.021.046	1-51A-01-98A		1-51A-01(4)	NDE-600	UT	SS	4.000	40406	Procedure PDI-UT-2 may be used.
	Circumferential	51A	O-ISIN4-101A-1.3				0.531		
Class B					Tee to Pipe				
C05.021.046A	1-51A-01-98A		1-51A-01(4)	NDE-35	PT	SS	4.000		
	Circumferential	51A	O-ISIN4-101A-1.3				0.531		
Class B					Tee to Pipe				
C05.021.052	1-51A-02-17B		1-51A-02	NDE-600	UT	SS	4.000	40406	Procedure PDI-UT-2 may be used.
	Circumferential	51A	O-ISIN4-101A-1.4				0.531		
Class B					Tee to Elbow				
C05.021.052A	1-51A-02-17B		1-51A-02	NDE-35	PT	SS	4.000		
	Circumferential	51A	O-ISIN4-101A-1.4				0.531		
Class B					Tee to Elbow				
C05.021.062	1HP-193-11		1HP-193	NDE-600	UT	SS	4.000	40406	Procedure PDI-UT-2 may be used.
	Circumferential	51A	O-ISIN4-101A-1.4				0.531		
Class B					Pipe to Tee				
C05.021.062A	1HP-193-11		1HP-193	NDE-35	PT	SS	4.000		
	Circumferential	51A	O-ISIN4-101A-1.4				0.531		
Class B					Pipe to Tee				
C05.021.075	1-51A-01-93A		1-51A-01(3)	NDE-600	UT	SS	4.000	40406	Procedure PDI-UT-2 may be used.
	Circumferential	51A	O-ISIN4-101A-1.3				0.531		
Class B					Pipe to Elbow				
C05.021.075A	1-51A-01-93A		1-51A-01(3)	NDE-35	PT	SS	4.000		
	Circumferential	51A	O-ISIN4-101A-1.3				0.531		
Class B					Pipe to Elbow				

DUKE ENERGY CORPORATION
INSERVICE INSPECTION PLAN MANAGEMENT
Inservice Inspection Database Management System

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

Piping Welds > 1/5 in. Nom Wall for Piping >= NPS 2 and <= NPS 4

Oconee 1

Inservice Inspection Plan for Interval 4 Outage 2

ITEM NUMBER	ID NUMBER	SYS	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
C05.021.079	1HP-282-75A		1HP-282	NDE-600	UT	SS	4.000	40406	Procedure PDI-UT-2 may be used.
	Circumferential	51A	O-ISIN4-101A-1.3				0.531		
Class B					Tee to Pipe				
C05.021.079A	1HP-282-75A		1HP-282	NDE-35	PT	SS	4.000		
	Circumferential	51A	O-ISIN4-101A-1.3				0.531		
Class B					Tee to Pipe				
C05.021.085	1-51A-02-12B		1-51A-02	NDE-600	UT	SS	4.000	40406	Procedure PDI-UT-2 may be used.
	Circumferential	51A	O-ISIN4-101A-1.4				0.531		
Class B					Elbow to Pipe				
C05.021.085A	1-51A-02-12B		1-51A-02	NDE-35	PT	SS	4.000		
	Circumferential	51A	O-ISIN4-101A-1.4				0.531		
Class B					Elbow to Pipe				
C05.021.091	1-51A-02-51B		1-51A-02	NDE-12	RT	SS	4.000		
	Circumferential	51A	O-ISIN4-101A-1.4				0.531		
Class B					Valve 1HP-29 to Tee				
C05.021.091A	1-51A-02-51B		1-51A-02	NDE-35	PT	SS	4.000		
	Circumferential	51A	O-ISIN4-101A-1.4				0.531		
Class B					Valve 1HP-29 to Tee				
C05.021.097	1HP-179-118		1HP-179	NDE-600	UT	SS	2.500	TBD	Procedure PDI-UT-2 may be used.
	Circumferential	51A	O-ISIN4-101A-1.1				0.552		
Class B					Elbow to Reducer				
C05.021.097A	1HP-179-118		1HP-179	NDE-35	PT	SS	2.500		
	Circumferential	51A	O-ISIN4-101A-1.1				0.552		
Class B					Elbow to Reducer				
C05.021.107	1-51A-01-100A		1-51A-01(4)	NDE-600	UT	SS	3.000	TBD	Procedure PDI-UT-2 may be used.
	Circumferential	51A	O-ISIN4-101A-1.3				0.438		
Class B					Pipe to Elbow				

DUKE ENERGY CORPORATION
INSERVICE INSPECTION PLAN MANAGEMENT
Inservice Inspection Database Management System

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

Piping Welds > 1/5 in. Nom Wall for Piping >= NPS 2 and <= NPS 4

Oconee 1

Inservice Inspection Plan for Interval 4 Outage 2

ITEM NUMBER	ID NUMBER	SYS	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
C05.021.107A	1-51A-01-100A		1-51A-01(4)	NDE-35	PT	SS	3.000		
	Circumferential	51A	O-ISIN4-101A-1.3				0.438		
Class B					Pipe to Elbow				

Total C05.021 Items: 36

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

Pipe Branch Connections of Branch Piping >= NPS 2

DUKE ENERGY CORPORATION
INSERVICE INSPECTION PLAN MANAGEMENT
Inservice Inspection Database Management System
Oconee 1
Inservice Inspection Plan for Interval 4 Outage 2

ITEM NUMBER	ID NUMBER	SYS	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
****** Circumferential Weld ******									
C05.041.003	1LP-107-7		1LP-107	NDE-35	PT	SS	8.000		This weld was previously listed as 1-53B-01-101B before the Iso was redrawn.
	Branch	53B	O-ISIN4-102A-1.2				0.250		
Class B					Pipe to Pipe				
C05.041.004	1LP-107-7Z		1LP-107	NDE-35	PT	SS	8.000		Reinforcing collar at weld 101B. This weld was previously listed as 1-53B-01-101BA before the Iso was redrawn.
	Branch	53B	O-ISIN4-102A-1.2				0.250		
Class B					Reinforcing collar to Pipe				
C05.041.013	1-53B-06-26KC		1-53B-06(2)	NDE-35	PT	SS	6.000		
	Branch	53B	O-ISIN4-102A-1.2				0.134		
Class B					Pipe to Pipe				
C05.041.014	1-53B-06-26KI		1-53B-06(2)	NDE-35	PT	SS	6.000		
	Branch	53B	O-ISIN4-102A-1.2				0.134		
Class B					Pipe to Pipe				
C05.041.026	1LP-94-15		1LP-94	NDE-35	PT	SS	6.000		
	Branch	53B	O-ISIN4-102A-1.2				0.280		
Class B					Pipe to 10x6 weldolet				

Total C05.041 Items: 5

DUKE ENERGY CORPORATION
INSERVICE INSPECTION PLAN MANAGEMENT
Inservice Inspection Database Management System

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

Oconee 1

Inservice Inspection Plan for Interval 4 Outage 2

ITEM NUMBER	ID NUMBER	SYS	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
**** Circumferential Weld ****									
C05.051.001	1MS-070-1B		1MS-070	NDE-600	UT	CS	36.000		Procedure PDI-UT-1 may be used. If procedure PDI-UT-1 is used, calibration block PDI-UT-1-O shall be used.
	Circumferential	01A	O-ISIN4-122A-1.1				1.164		
Class B					Pipe to Pipe				
C05.051.001A	1MS-070-1B		1MS-070	NDE-25	MT	CS	36.000		
	Circumferential	01A	O-ISIN4-122A-1.1				1.164		
Class B					Pipe to Pipe				
C05.051.013	1MS-069-29B		1MS-069	NDE-600	UT	CS	24.000		Procedure PDI-UT-1 may be used. If procedure PDI-UT-1 is used, calibration block PDI-UT-1-O shall be used.
	Circumferential	01A	O-ISIN4-122A-1.1				0.969		
Class B	Term end				Reducer to Nozzle SG 1B				
C05.051.013A	1MS-069-29B		1MS-069	NDE-25	MT	CS	24.000		
	Circumferential	01A	O-ISIN4-122A-1.1				0.969		
Class B	Term end				Reducer to Nozzle SG 1B				
C05.051.018	1MS-064-16		1MS-064	NDE-600	UT	CS	6.000		This weld was previously listed as 1-01A-01-27C before the Iso was redrawn. Procedure PDI-UT-1 may be used. If procedure PDI-UT-1 is used, calibration block PDI-UT-1-O shall be used.
	Circumferential	01A	O-ISIN4-122A-1.2				0.432		
Class B					Tee to Pipe				
C05.051.018A	1MS-064-16		1MS-064	NDE-25	MT	CS	6.000		This weld was previously listed as 1-01A-01-27C before the Iso was redrawn.
	Circumferential	01A	O-ISIN4-122A-1.2				0.432		
Class B					Tee to Pipe				
C05.051.028	1-FWD83-A		1-03-3(1)	NDE-600	UT	CS	24.000		Grinnell subassembly FWD-83. Procedure PDI-UT-1 may be used. If procedure PDI-UT-1 is used, calibration block PDI-UT-1-O shall be used.
	Circumferential	03					1.218		
Class B					Pipe to Elbow				
C05.051.028A	1-FWD83-A		1-03-3(1)	NDE-25	MT	CS	24.000		Grinnell subassembly FWD-83.
	Circumferential	03					1.218		
Class B					Pipe to Elbow				

DUKE ENERGY CORPORATION
INSERVICE INSPECTION PLAN MANAGEMENT
Inservice Inspection Database Management System

Oconee 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

Inservice Inspection Plan for Interval 4 Outage 2

ITEM NUMBER	ID NUMBER	SYS	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
C05.051.035	1-03-3-30B		1-03-3(1)	NDE-600	UT	CS	14.000		Procedure PDI-UT-1 may be used. If procedure PDI-UT-1 is used, calibration block PDI-UT-1-O shall be used.
	Circumferential	03	O-ISIN4-121B-1.3				0.750		
Class B					Elbow to Reducer				
C05.051.035A	1-03-3-30B		1-03-3(1)	NDE-25	MT	CS	14.000		
	Circumferential	03	O-ISIN4-121B-1.3				0.750		
Class B					Elbow to Reducer				
C05.051.042	1LPSW-345-21		1LPSW-345	NDE-600	UT	CS	8.000		This weld was listed previously as 1-LPSW-345-21 until iso 1-LPSW-345 was redrawn. This weld was listed previously as 1-LPS-345-21 until iso 1-LPS-345 was deleted. Procedure PDI-UT-1 may be used. If procedure PDI-UT-1 is used, calibration block PDI-UT-1-O shall be used.
	Circumferential	14B	O-ISIN4-124B-1.2				0.500		
Class B					Elbow to Pipe				
C05.051.042A	1LPSW-345-21		1LPSW-345	NDE-25	MT	CS	8.000		This weld was listed previously as 1-LPSW-345-21 until iso 1-LPSW-345 was redrawn. This weld was listed previously as 1-LPS-345-21 until iso 1-LPS-345 was deleted.
	Circumferential	14B	O-ISIN4-124B-1.2				0.500		
Class B					Elbow to Pipe				
C05.051.046	1-LPSW-346-17		1-LPSW-346	NDE-600	UT	CS	8.000		Procedure PDI-UT-1 may be used. If procedure PDI-UT-1 is used, calibration block PDI-UT-1-O shall be used.
	Circumferential	14B	O-ISIN4-124B-1.2				0.500		
Class B					Pipe to Flange				
C05.051.046A	1-LPSW-346-17		1-LPSW-346	NDE-25	MT	CS	8.000		
	Circumferential	14B	O-ISIN4-124B-1.2				0.500		
Class B					Pipe to Flange				

Total C05.051 Items: 14

Total C05 Items: 57

CATEGORY D-A, Welded Attachments For Vessels, Piping, Pumps, And Valves

Piping

DUKE ENERGY CORPORATION
INSERVICE INSPECTION PLAN MANAGEMENT
Inservice Inspection Database Management System
Oconee 1
Inservice Inspection Plan for Interval 4 Outage 2

ITEM NUMBER	ID NUMBER	SYS	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
****** Welded Attachments ******									
D01.020.001	1-01A-4-2-0-400A-R11		1-01-06/sht.3	QAL-13	VT-1	NA	6.000		Calculation No. OSC-325, page 91. Inspect with F01.032.002.
	Mech Snubber	01A	O-ISIN4-122A-1.4				0.250		
Class C									
D01.020.026	1-03A-1-0-400B-SR86		1-03A-09/sht.4	QAL-13	VT-1	NA	6.000		Calculation No. OSC-342, page 104. Inspect with F01.031.024.
	Rigid Restraint	03A	O-ISIN4-121D-1.1				1.000		
Class C									
D01.020.027	1-03A-1-0-439A-H72		1-03A-05/sht.3	QAL-13	VT-1	NA	6.000		Calculation No. OSC-339, page 81. Inspect with F01.032.022.
	Spring Hgr	03A	O-ISIN4-121D-1.1				0.500		
Class C									
D01.020.041	1-07A-400B-SR17		1-07A-01/sht.4	QAL-13	VT-1	NA	24.000		Calculation No. OSC-361, page 88.1. Inspect with F01.030.065.
	Rigid Support	07A	O-ISIN4-121A-1.7				0.375		
Class C									

Total D01.020 Items: 4

Total D01 Items: 4

CATEGORY F-A, Supports

DUKE ENERGY CORPORATION
INSERVICE INSPECTION PLAN MANAGEMENT
Inservice Inspection Database Management System

Class 1 Piping Supports

Oconee 1

Inservice Inspection Plan for Interval 4 Outage 2

ITEM NUMBER	ID NUMBER	SYS	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
****** Category A, One-Directional ******									
F01.010.006	1-51A-0-479A-H9B		1-51-26/sht.1	QAL-14	VT-3	NA	2.500		Calculation No. OSC-1304-06, page 6(1)31
	Rigid Support	51A	O-ISIN4-101A-1.4				0.000		High Pressure Injection.
Class A									
Total F01.010 Items:	**1**								
****** Category C, Thermal Movement ******									
F01.012.001	1-50-0-480A-H11		1-50-01/sht.1	QAL-14	VT-3	NA	2.500		Calculation No. OSC-1314-06, page 129. Inspect
	Hyd Snubber	50	O-ISIN4-100A-1.1				0.000		with F01.050.013.
Class A									
F01.012.003	1-50-0-481A-H6		1-50-01/sht.1	QAL-14	VT-3	NA	2.500		Calulation No. OSC-1314-06, page 129. Inspect
	Spring Hgr	50	O-ISIN4-100A-1.2				0.154		with B10.020.001.
Class A									
F01.012.010	1-53A-0-479A-H8B		1-53-08	QAL-14	VT-3	NA	10.000		Calculation No. OSC-1300. Inspect with
	Spring Hgr	53A	O-ISIN4-102A-1.3				1.500		B10.020.017.
Class A									
Total F01.012 Items:	**3**								

CATEGORY F-A, Supports

DUKE ENERGY CORPORATION
INSERVICE INSPECTION PLAN MANAGEMENT
Inservice Inspection Database Management System
Oconee 1
Inservice Inspection Plan for Interval 4 Outage 2

Class 2 Piping Supports

ITEM NUMBER	ID NUMBER	SYS	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
****** Category A, One-Directional ******									
F01.020.044	1-51-0-436H-H57		1-51-01/sht.1	QAL-14	VT-3	NA	4.000		Calculation No. OSC-400, page 50.
	Rigid Support	51	O-ISIN4-101A-1.1				0.750		
Class B			O-1AB-15101-01						
F01.020.045	1-51-0-436D-SR10		1-51-01/sht.1	QAL-14	VT-3	NA	4.000		Calculation No. OSC-400, page 50.
	Rigid Support	51	O-ISIN4-101A-1.1				0.750		
Class B			O-1AB-15101-01						
F01.020.049	1-51-0-436D-SR7		1-51-06/sht.2	QAL-14	VT-3	NA	4.000		Calculation No. OSC-1538, page 94.
	Rigid Support	51	O-ISIN4-101A-1.1				0.750		
Class B			O-1AB-15106-02						
F01.020.062	1-51A-0-435C-H138		1-51-04/sht.1	QAL-14	VT-3	NA	4.000		Calculation No. OSC-1639, page 30.5. High
	Rigid Support	51A	O-ISIN4-101A-1.3				0.000		Pressure Injection.
Class B			O-1AB-15104-01						
F01.020.067	1-51A-1-0-444-H1		1-51-04/sht.1	QAL-14	VT-3	NA	4.000		Calculation No. OSC-1639, page 30.5.
	Rigid Support	51A	O-ISIN4-101A-1.4				0.500		
Class B			O-1AB-15104-01						
F01.020.068	1-51A-0-478A-H18C		1-55-03/sht.2	QAL-14	VT-3	NA	2.500		Calculation No. OSC-1660-11, page 66. High
	Rigid Support	51A	O-ISIN4-101A-1.1				0.000		Pressure Injection.
Class B									
F01.020.069	1-51A-0-439C-H81		1-51-04/sht.4	QAL-14	VT-3	NA	4.000		Calculation No. OSC-1639, page 33.
	Rigid Support	51A	O-ISIN4-101A-1.4				0.000		
Class B									
F01.020.073	1-51B-436H-DE010		1-51-01/sht.2	QAL-14	VT-3	NA	2.500		Calculation No. OSC-400, page 51.
	Rigid Support	51B	O-ISIN4-101A-1.2				0.000		
Class B			O-1AB-15101-02						

CATEGORY F-A, Supports

DUKE ENERGY CORPORATION
INSERVICE INSPECTION PLAN MANAGEMENT
Inservice Inspection Database Management System
Oconee 1
Inservice Inspection Plan for Interval 4 Outage 2

Class 2 Piping Supports

ITEM NUMBER	ID NUMBER	SYS	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
F01.020.081	1-53-438C-TWE-2879		1-53-01/sht.3	QAL-14	VT-3	NA	14.000		Calculation No. OSC-407, page 106.
	Rigid Support	53	O-ISIN4-102A-1.1				0.000		
Class B			O-1AB-15301-03						
F01.020.091	1-53B-435B-DE026		1-53-02/sht.1	QAL-14	VT-3	NA	10.000		Calculation No. OSC-408.
	Rigid Support	53B	O-ISIN4-102A-1.2				0.000		
Class B			O-1AB-15302-01						
F01.020.095	1-53B-2-0-436E-H10		1-51-02/sht.2	QAL-14	VT-3	NA	6.000		Calculation No. OSC-1535, page 136.
	Rigid Support	53B	O-ISIN4-101A-1.3				0.216		
Class B			O-1AB-15102-02						
F01.020.114	1-54A-3-0-436-H3		1-54-01/sht.1	QAL-14	VT-3	NA	8.000		Calculation No. OSC-1628, page 60.
	Rigid Support	54A	O-ISIN4-103A-1.1				0.125		
Class B									
F01.020.116	1-54A-0-444-R15		1-54-03/sht.1	QAL-14	VT-3	NA	8.000		Calculation No. OSC-416, page 58.1.
	Rigid Support	54A	O-ISIN4-103A-1.1				0.500		
Class B									

Total F01.020 Items: 13

****** Category B, Multi-Directional ******

F01.021.032	1-14-478E-H6016		1-03A-14/sht.3	QAL-14	VT-3	NA	6.000		Calculation No. OSC-1224-16, page 44.
	Rigid Restraint	14	O-ISIN4-121D-1.1				0.000		
Class B									
F01.021.051	1-51-0-436H-SR3		1-51-02/sht.1	QAL-14	VT-3	NA	4.000		Calculation No. OSC-1535, page135-1.
	Rigid Restraint	51	O-ISIN4-101A-1.2				0.000		
Class B			O-1AB-15102-01						
F01.021.052	1-51-0-439C-SR45		1-51-05/sht.1	QAL-14	VT-3	NA	4.000		Calculation No. OSC-1537, page 55.1.
	Rigid Restraint	51	O-ISIN4-101A-1.3				0.000		
Class B			O-1AB-15105-01						

CATEGORY F-A, Supports

DUKE ENERGY CORPORATION
INSERVICE INSPECTION PLAN MANAGEMENT
Inservice Inspection Database Management System

Class 2 Piping Supports

Oconee 1

Inservice Inspection Plan for Interval 4 Outage 2

ITEM NUMBER	ID NUMBER	SYS	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
F01.021.053	1-51-0-436H-SR15		1-51-02/sht.1	QAL-14	VT-3	NA	6.000		Calculation No. OSC-1535, page 135-1. Inspect with C03.020.051.
	Rigid Restraint	51	O-ISIN4-101A-1.2				1.000		
Class B			O-1AB-15102-01						
F01.021.101	1-54A-3-0-439A-H19		1-54-03/sht.1	QAL-14	VT-3	NA	8.000		Calculation No. OSC-416, page 58.1.
	Rigid Restraint	54A	O-ISIN4-103A-1.1				0.500		
Class B									
Total F01.021 Items:	**5**								
****** Category C, Thermal Movement ******									
F01.022.002	1-01A-0-401A-FAC-1203		1-01-05/sht.2	QAL-14	VT-3	NA	8.000		Calculation No. OSC-324.
	Spring Hgr	01A	O-ISIN4-122A-1.3				0.000		
Class B									
F01.022.012	1-03-0-479A-H2A		1-03-06/sht.1	QAL-14	VT-3	NA	14.000		Calculation No. OSC-1297-06.
	Constant Support	03	O-ISIN4-121B-1.3				0.000		
Class B			0-490B-2S						
F01.022.021	1-03A-480A-H6202		1-03A-14/sht.4	QAL-14	VT-3	NA	6.000		Calculation No. OSC-1224-16, page 43.
	Spring Hgr	03A	O-ISIN4-121B-1.3				0.000		
Class B									
F01.022.063	1-51A-0-439C-H80		1-51-04/sht.4	QAL-14	VT-3	NA	4.000		Calculation No. OSC-1639, page 33. High Pressure Injection. Inspect with F01.050.053.
	Mech Snubber	51A	O-ISIN4-101A-1.4				0.000		
Class B									
Total F01.022 Items:	**4**								

CATEGORY F-A, Supports

DUKE ENERGY CORPORATION
INSERVICE INSPECTION PLAN MANAGEMENT
Inservice Inspection Database Management System
Oconee 1
Inservice Inspection Plan for Interval 4 Outage 2

Class 3 Piping Supports

ITEM NUMBER	ID NUMBER	SYS	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
****** Category A, One-Directional ******									
F01.030.016	1-02A-4-403A-TR7		1-01-06/sht.3	QAL-14	VT-3	NA	6.000		Calculation No. OSC-325, page 91.
	Rigid Support	02A	O-ISIN4-122A-1.4				0.000		
Class C									
F01.030.031	1-03A-401A-DE015		1-03A-10/sht.3	QAL-14	VT-3	NA	6.000		Calculation No. OSC-343, page 51.
	Rigid Support	03A	O-ISIN4-121D-1.1				0.000		
Class C									
F01.030.036	1-03A-1-0-439B-H19		1-03A-05/sht.2	QAL-14	VT-3	NA	6.000		Calculation No. OSC-339, page 80.
	Rigid Support	03A	O-ISIN4-121D-1.1				0.000		
Class C									
F01.030.038	1-03A-1-0-400B-H62		1-03A-09/sht.4	QAL-14	VT-3	NA	6.000		Calculation No. OSC-342, page 104.
	Rigid Support	03A	O-ISIN4-121D-1.1				0.000		
Class C									
F01.030.039	1-03A-1-0-439B-H80		1-03A-09/sht.2	QAL-14	VT-3	NA	6.000		Calculation No. OSC-342
	Rigid Support	03A	O-ISIN4-121D-1.1				0.000		
Class C									
F01.030.065	1-07A-400B-SR17		1-07A-01/sht.4	QAL-14	VT-3	NA	24.000		Calculation No. OSC-361, page 88.1. Inspect with D01.020.041.
	Rigid Support	07A	O-ISIN4-121A-1.7				0.375		
Class C									
Total F01.030 Items:	**6**								
****** Category B, Multi-Directional ******									
F01.031.021	1-03A-1-0-439B-H82		1-03A-06/sht.2	QAL-14	VT-3	NA	6.000		Calculation No. OSC-340, page 89.
	Rigid Restraint	03A	O-ISIN4-121D-1.1				0.500		
Class C									
F01.031.023	1-03A-1-0-439C-H102		1-03A-09/sht.3	QAL-14	VT-3	NA	6.000		Calculation No. OSC-342, page 103.
	Rigid Restraint	03A	O-ISIN4-121D-1.1				0.200		
Class C									

CATEGORY F-A, Supports

DUKE ENERGY CORPORATION
INSERVICE INSPECTION PLAN MANAGEMENT
Inservice Inspection Database Management System

Class 3 Piping Supports

Oconee 1

Inservice Inspection Plan for Interval 4 Outage 2

ITEM NUMBER	ID NUMBER	SYS	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
F01.031.024	1-03A-1-0-400B-SR86		1-03A-09/sht.4	QAL-14	VT-3	NA	6.000		Calculation No. OSC-342, page 104. Inspect with
	Rigid Restraint	03A	O-ISIN4-121D-1.1				1.000		D01.020.026.
Class C									
Total F01.031 Items:	**3**								
****** Category C, Thermal Movement ******									
F01.032.002	1-01A-4-2-0-400A-R11		1-01-06/sht.3	QAL-14	VT-3	NA	6.000		Calculation No. OSC-325, page 91. Inspect with
	Mech Snubber	01A	O-ISIN4-122A-1.4				0.250		D01.020.001 and F01.050.098.
Class C									
F01.032.022	1-03A-1-0-439A-H72		1-03A-05/sht.3	QAL-14	VT-3	NA	6.000		Calculation No. OSC-339, page 81. Inspect with
	Spring Hgr	03A	O-ISIN4-121D-1.1				0.500		D01.020.027.
Class C									
F01.032.081	1-14B-437A-DE060		1-14-05/sht.1	QAL-14	VT-3	NA	16.000		Calculation No. OSC-393, page 78.
	Spring Hgr	14B	O-ISIN4-124B-1.1				0.000		
Class C									
F01.032.082	1-14B-0-436F-H25		1-14-06/sht.2	QAL-14	VT-3	NA	16.000		Calculation No. OSC-1541, page 101.
	Spring Hgr	14B	O-ISIN4-124B-1.1				0.258		
Class C									
Total F01.032 Items:	**4**								

CATEGORY F-A, Supports

DUKE ENERGY CORPORATION
INSERVICE INSPECTION PLAN MANAGEMENT
Inservice Inspection Database Management System
Oconee 1
Inservice Inspection Plan for Interval 4 Outage 2

Supports Other Than Piping Supports

ITEM NUMBER	ID NUMBER	SYS	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
**** Class 1, 2, and 3 ****									
F01.040.004	1-LDCA-SUPPORT		OM 201-3107	QAL-14	VT-3	NA	0.000		Letdown Cooler Support 1A.
		51A	O-ISIN4-101A-1.1				0.000		
Class A									
F01.040.008	1-DIESEL ENG -A		OM 351-164	QAL-14	VT-3	NA	0.000		Diesel Engine A Support.
			O-ISIN4-135B-1.4				0.000		(Drawing found in manual)
Class C									
F01.040.009	1-UST-A		OM 149-0001	QAL-14	VT-3	NA	0.000		Upper Surge Tank 1A Support Legs.
		07A	O-ISIN4-121A-1.7				0.000		
Class C									
F01.040.013	1-LPI-PU-A		OM 1201-1121	QAL-14	VT-3	NA	0.000		LPI Pump 1A Support Pad & Legs. Refer to Pump
		53A	O-ISIN4-102A-1.2				0.000		Manual.
Class B									
F01.040.015	1-LPSW-STR-A		OM 240-0002	QAL-14	VT-3	NA	0.000		Low Pressure Service Water Strainer 1A, Support
		14B	O-ISIN4-124A-1.1				0.000		Legs.
Class C									
F01.040.021	1-JWHX-A		OM 351-164	QAL-14	VT-3	NA	0.000		Jacket Water Heat Exchanger 1A.
			O-ISIN4-138A-1.1				0.000		(Drawing found in manual)
Class C									
F01.040.022	1-RCSR-COOLER-A		OM 201-0086	QAL-14	VT-3	NA	0.000		Reactor Coolant Seal Return Cooler 1A.
		51B	O-ISIN4-101A-1.1				0.000		
Class B									
F01.040.029	1-MAIN-LO-FTR-A		OM 351-164	QAL-14	VT-3	NA	0.000		Main Lube Oil Filter Support, Diesel Engine A.
			O-ISIN4-135B-1.4				0.000		(Drawing found in manual)
Class C									

CATEGORY F-A, Supports

DUKE ENERGY CORPORATION
INSERVICE INSPECTION PLAN MANAGEMENT
Inservice Inspection Database Management System
Oconee 1
Inservice Inspection Plan for Interval 4 Outage 2

Supports Other Than Piping Supports

ITEM NUMBER	ID NUMBER	SYS	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
F01.040.033	1-50-0-66A-RCPM-S1		0-66A	QAL-14	VT-3	NA	5.000		Calculation No. OSC-0971-01-0001, Reactor
	Hyd Snubber	50	O-ISIN4-100A-1.1				0.000		Coolant Pump 1A1 Motor Snubbers. Reference PIP
Class A			O-66B						0-O96-1575. Inspect with F01.050.112.
F01.040.037	1-50-RCPM-H6598		OM 201.D-003	QAL-14	VT-3	NA	0.000		Reactor Coolant Pump 1A1 Motor Constant Spring
	Constant Support	50	O-ISIN4-100A-1.1				0.000		Supports.
Class A									
F01.040.038	1-LO-COOLER-A		OM 351-164	QAL-14	VT-3	NA	0.000		Lube Oil Cooler 1A.
			O-ISIN4-138A-1.1				0.000		(Drawing found in manual)
Class C									

Total F01.040 Items: 11

Total F01 Items: 50

CATEGORY AUG, Augmented Inspections

DUKE ENERGY CORPORATION
INSERVICE INSPECTION PLAN MANAGEMENT
Inservice Inspection Database Management System
Oconee 1
Inservice Inspection Plan for Interval 4 Outage 2

Reactor Coolant Pump Flywheels

ITEM NUMBER	ID NUMBER	SYS	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
G01.001.001	1-RCP-1A1		OM-201D-38	NDE-900	UT	CS	72.000		Reactor Coolant Pump 1A1 Flywheel. The complete volume of the flywheel shall be examined by UT at approximately 3 year intervals. Reference Section 7 of the ISI Plan, General Requirements.
	Circumferential	50					9.500		
Class A									
G01.001.001A	1-RCP-1A1		OM-201D-38	NDE-25	MT	CS	72.000		Reactor Coolant Pump 1A1 Flywheel. When maintenance or repair activities require removal of the flywheel, 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 Section 7 of the ISI Plan, General Requirements.
	Circumferential	50					9.500		
Class A									
G01.001.002	1-RCP-1A2		OM-201D-38	NDE-900	UT	CS	72.000		Reactor Coolant Pump 1A2 Flywheel. The complete volume of the flywheel shall be examined by UT at approximately 3 year intervals. Reference Section 7 of the ISI Plan, General Requirements.
	Circumferential	50					9.500		
Class A									
G01.001.002A	1-RCP-1A2		OM-201D-38	NDE-25	MT	CS	72.000		Reactor Coolant Pump 1A2 Flywheel. When maintenance or repair activities require removal of the flywheel, 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 Section 7 of the ISI Plan, General Requirements.
	Circumferential	50					9.500		
Class A									
G01.001.003	1-RCP-1B1		OM-201D-38	NDE-900	UT	CS	72.000		Reactor Coolant Pump 1B1 Flywheel. The complete volume of the flywheel shall be examined by UT at approximately 3 year intervals. Reference Section 7 of the ISI Plan, General Requirements.
	Circumferential	50					9.500		
Class A									
G01.001.003A	1-RCP-1B1		OM-201D-38	NDE-25	MT	CS	72.000		Reactor Coolant Pump 1B1 Flywheel. When maintenance or repair activities require removal of the flywheel, 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 Section 7 of the ISI Plan, General Requirements.
	Circumferential	50					9.500		
Class A									

CATEGORY AUG, Augmented Inspections

DUKE ENERGY CORPORATION
INSERVICE INSPECTION PLAN MANAGEMENT
Inservice Inspection Database Management System
Oconee 1
Inservice Inspection Plan for Interval 4 Outage 2

Reactor Coolant Pump Flywheels

ITEM NUMBER	ID NUMBER	SYS	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
G01.001.004	1-RCP-1B2		OM-201D-38	NDE-900	UT	CS	72.000		Reactor Coolant Pump 1B2 Flywheel. The complete volume of the flywheel shall be examined by UT at approximately 3 year intervals. Reference Section 7 of the ISI Plan, General Requirements.
	Circumferential	50					9.500		
Class A									
G01.001.004A	1-RCP-1B2		OM-201D-38	NDE-25	MT	CS	72.000		Reactor Coolant Pump 1B2 Flywheel. When maintenance or repair activities require removal of the flywheel, 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 Section 7 of the ISI Plan, General Requirements.
	Circumferential	50					9.500		
Class A									

Total G01.001 Items: 8

Total G01 Items: 8

CATEGORY AUG, Augmented Inspections

DUKE ENERGY CORPORATION
INSERVICE INSPECTION PLAN MANAGEMENT
Inservice Inspection Database Management System
Oconee 1
Inservice Inspection Plan for Interval 4 Outage 2

HPI Nozzle Safe End Examinations

ITEM NUMBER	ID NUMBER	SYS	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
G02.001.005A Class A	1-PDA1-46	51A	ISI OCN1-011 OM-201-597	NDE-690	UT	CS	3.500 2.500	40410 40350	1A1 Make-Up Nozzle Pc. 46. Perform UT on the nozzle inside radius (knuckle area). This schedule cannot be changed. Reference Section 7 of the ISI Plan, General Requirements.
G02.001.005B Class A	1-PDA2-46	51A	ISI OCN1-012 OM-201-597	NDE-690	UT	CS	3.500 2.500	40410 40350	1A2 Make-Up Nozzle Pc. 46. Perform UT on the nozzle inside radius (knuckle area). This schedule cannot be changed. Reference Section 7 of the ISI Plan, General Requirements.
G02.001.005C Class A	1-PDB1-46	51A	ISI OCN1-013 OM-201-597	NDE-690	UT	CS	3.500 2.500	40410 40350	1B1 HPI Nozzle Pc. 46. Perform UT on the nozzle inside radius (knuckle area). This schedule cannot be changed. Reference Section 7 of the ISI Plan, General Requirements.
G02.001.005D Class A	1-PDB2-46	51A	ISI OCN1-014 OM-201-597	NDE-690	UT	CS	3.500 2.500	40410 40350	1B2 HPI Nozzle Pc. 46. Perform UT on the nozzle inside radius (knuckle area). This schedule cannot be changed. Reference Section 7 of the ISI Plan, General Requirements.
G02.001.006A Circumferential Class A	1-PDA1-11	51A	ISI OCN1-011 OM-201-597	See Com	UT Nozzle to Safe End	SS-Inconel	3.500 0.750	Component 40416	1A1 Make-Up Nozzle Pc. 46 to Safe End Pc. 47. Perform UT on the nozzle to safe end weld. This schedule cannot be changed. Reference Section 7 of the ISI Plan, General Requirements. Procedure PDI-UT-10
G02.001.006B Circumferential Class A	1-PDA2-11	51A	ISI OCN1-012 OM-201-597	See Com	UT Nozzle to Safe End	SS-Inconel	3.500 0.750	Component 40416	1A2 Make-Up Nozzle Pc. 46 to Safe End Pc. 47. Perform UT on the nozzle to safe end weld. This schedule cannot be changed. Reference Section 7 of the ISI Plan, General Requirements. Procedure PDI-UT-10
G02.001.006C Circumferential Class A	1-PDB1-11	51A	ISI OCN1-013 OM-201-597	See Com	UT Nozzle to Safe End	SS-Inconel	3.500 0.750	Component 40416	1B1 HPI Nozzle Pc. 46 to Safe End Pc. 47. Perform UT on the nozzle to safe end weld. This schedule cannot be changed. Reference Section 7 of the ISI Plan, General Requirements. Procedure PDI-UT-10

CATEGORY AUG, Augmented Inspections

DUKE ENERGY CORPORATION
INSERVICE INSPECTION PLAN MANAGEMENT
Inservice Inspection Database Management System
Oconee 1
Inservice Inspection Plan for Interval 4 Outage 2

HPI Nozzle Safe End Examinations

ITEM NUMBER	ID NUMBER	SYS	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
G02.001.006D Class A	1-PDB2-11 Circumferential	51A	ISI OCN1-014 OM-201-597	See Com	UT Nozzle to Safe End	SS-Inconel	3.500 0.750	Component 40416	1B2 HPI Nozzle Pc. 46 to Safe End Pc. 47. Perform UT on the nozzle to safe end weld. This schedule cannot be changed. Reference Section 7 of the ISI Plan, General Requirements. Procedure PDI-UT-10
G02.001.007A Class A	1-PDA1-47	51A	ISI OCN1-011 OM-201-597	NDE-960	UT	SS	3.500 0.750	Component	Safe End Pc. 47 adjoining Make-Up Nozzle 1A1. Perform UT on the Safe End base metal (between the nozzle to safe end weld and the safe end to pipe weld). This schedule cannot be changed. Reference Section 7 of the ISI Plan, General Requirements.
G02.001.007B Class A	1-PDA2-47	51A	ISI OCN1-012 OM-201-597	NDE-960	UT	SS	3.500 0.750	Component	Safe End Pc. 47 adjoining Make-Up Nozzle 1A2. Perform UT on the Safe End base metal (between the nozzle to safe end weld and the safe end to pipe weld). This schedule cannot be changed. Reference Section 7 of the ISI Plan, General Requirements.
G02.001.007C Class A	1-PDB1-47	51A	ISI OCN1-013 OM-201-597	NDE-960	UT	SS	3.500 0.750	Component	Safe End Pc. 47 adjoining HPI Nozzle 1B1. Perform UT on the Safe End base metal (between the nozzle to safe end weld and the safe end to pipe weld). This schedule cannot be changed. Reference Section 7 of the ISI Plan, General Requirements.
G02.001.007D Class A	1-PDB2-47	51A	ISI OCN1-014 OM-201-597	NDE-960	UT	SS	3.500 0.750	Component	Safe End Pc. 47 adjoining HPI Nozzle 1B2. Perform UT on the Safe End base metal (between the nozzle to safe end weld and the safe end to pipe weld). This schedule cannot be changed. Reference Section 7 of the ISI Plan, General Requirements.
G02.001.008A Class A	1RC-199-154 Circumferential	51A	1RC-199 O-ISIN4-100A-1.1	NDE-960	UT Safe End to Pipe	SS	2.500 0.375	Component	Safe End Pc. 47 adjoining Make-Up Nozzle 1A1. Perform UT on weld 1RC-199-154 and adjoining base metal out to weld 1RC-199-149 (at valve 1HP-127). This schedule cannot be changed. Revision 2 changed weld number from 1-RC-199-94. Inspect with G04.001.029. The inspection performed for the G02 item number meets the requirements for the G04 inspection. Reference Section 7 of the ISI Plan, General Requirements.

CATEGORY AUG, Augmented Inspections

DUKE ENERGY CORPORATION
INSERVICE INSPECTION PLAN MANAGEMENT
Inservice Inspection Database Management System
Oconee 1
Inservice Inspection Plan for Interval 4 Outage 2

HPI Nozzle Safe End Examinations

ITEM NUMBER	ID NUMBER	SYS	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
G02.001.008B Class A	1RC-200-161 Circumferential	51A	1RC-200 O-ISIN 100A-1.1	NDE-960	UT Safe End to Pipe	SS	2.500 0.375	Component	Safe End Pc. 47 adjoining Make-Up Nozzle 1A2. Perform UT on weld 1RC-200-161 and adjoining base metal out to weld 1RC-200-160 (at valve 1HP-126). This schedule cannot be changed. Revision 2 changed weld number from 1RC-200-7. Inspect with G04.001.031. The inspection performed for the G02 item number meets the requirements for the G04 inspection. Reference Section 7 of the ISI Plan, General Requirements.
G02.001.008C Class A	1RC-201-101	51A	1RC-201 O-ISIN4-100A-1.1	NDE-960	UT Safe End to Pipe	SS	2.500 0.375	Component	Safe End Pc. 47 adjoining HPI Nozzle 1B1. Perform UT on weld 1RC-201-101 and adjoining base metal out to weld 1RC-201-97 (at valve 1HP-153). This schedule cannot be changed. Revision 2 changed weld number from 1-51A-11-89. Inspect with G04.001.003. The inspection performed for the G02 item number meets the requirements for the G04 inspection. Reference Section 7 of the ISI Plan, General Requirements.
G02.001.008D Class A	1RC-201-105 Circumferential	51A	1RC-201 O-ISIN4-100A-1.1	NDE-960	UT Safe End to Pipe	SS	2.500 0.375	Component	Safe End Pc. 47 adjoining HPI Nozzle 1B2. Perform UT on weld 1RC-201-105 and adjoining base metal out to weld 1RC-201-92 (at valve 1HP-152). This schedule cannot be changed. Revision 2 changed weld number from 1-51A-11-87. Inspect with G04.001.001. The inspection performed for the G02 item number meets the requirements for the G04 inspection. Reference Section 7 of the ISI Plan, General Requirements.
G02.001.010A Class A	1RC-199-149 Circumferential	51A	1RC-199 O-ISIN4-100A-1.1	NDE-960	UT Pipe to Valve	SS	2.500 0.375	Component	Make-Up Nozzle 1A1. Perform UT on weld 1RC-199-149 (at valve 1HP-127). This schedule cannot be changed. Inspect with G04.001.028. The inspection performed for the G02 item number meets the requirements for the G04 inspection. Reference Section 7 of the ISI Plan, General Requirements.

CATEGORY AUG, Augmented Inspections

DUKE ENERGY CORPORATION
INSERVICE INSPECTION PLAN MANAGEMENT
Inservice Inspection Database Management System

HPI Nozzle Safe End Examinations

Oconee 1

Inservice Inspection Plan for Interval 4 Outage 2

ITEM NUMBER	ID NUMBER	SYS	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
G02.001.010B	1RC-200-160		1RC-200	NDE-960	UT	SS	2.500	Component	Make-Up Nozzle 1A2. Perform UT on weld 1RC-200-160 (at valve 1HP-126). This schedule cannot be changed. Revision 2 changed weld number from 1RC-200-8 to 1RC-200-160. Inspect with G04.001.030. The inspection performed for the G02 item number meets the requirements for the G04 inspection. Reference Section 7 of the ISI Plan, General Requirements.
	Circumferential	51A	O-ISIN 100A-1.1				0.375		
Class A					Pipe to Valve				
G02.001.010C	1RC-201-97		1RC-201	NDE-960	UT	SS	2.500	Component	HPI Nozzle 1B1. Perform UT on weld 1RC-201-97 (at valve 1HP-153). This schedule cannot be changed. Revision 2 changed weld number from 1-51A-11-90. Inspect with G04.001.004. The inspection performed for the G02 item number meets the requirements for the G04 inspection. Reference Section 7 of the ISI Plan, General Requirements.
	Circumferential	51A	O-ISIN4-100A-1.1				0.375		
Class A					Pipe to Valve				
G02.001.010D	1RC-201-92		1RC-201	NDE-960	UT	SS	2.500	Component	HPI Nozzle 1B2. Perform UT on weld 1RC-201-92 (at valve 1HP-152). This schedule cannot be changed. Revision 3 changed weld number from 1-51A-11-88. Inspect with G04.001.002. The inspection performed for the G02 item number meets the requirements for the G04 inspection. Reference Section 7 of the ISI Plan, General Requirements.
	Circumferential	51A	O-ISIN4-100A-1.1				0.375		
Class A					Pipe to Valve				
G02.001.011A	1A1-THERM SLEEVE		ISI OCN1-011	NDE-105	RT	SS	3.500		Make-Up Nozzle 1A1. Perform RT between the nozzle to safe end and safe end to pipe weld in the thermal sleeve expansion area as described in procedure NDE-105. This schedule cannot be changed. Reference Section 7 of the ISI Plan, General Requirements.
	Circumferential	51A	O-ISIN4-100A-1.1				0.750		
Class A									
G02.001.011B	1A2-THERM SLEEVE		ISI OCN1-012	NDE-105	RT	SS	3.500		Make-Up Nozzle 1A2. Perform RT between the nozzle to safe end and safe end to pipe weld in the thermal sleeve expansion area as described in procedure NDE-105. This schedule cannot be changed. Reference Section 7 of the ISI Plan, General Requirements.
	Circumferential	51A	O-ISIN4-100A-1.1				0.750		
Class A									

CATEGORY AUG, Augmented Inspections

DUKE ENERGY CORPORATION
INSERVICE INSPECTION PLAN MANAGEMENT
Inservice Inspection Database Management System

Oconee 1

Inservice Inspection Plan for Interval 4 Outage 2

HPI Nozzle Safe End Examinations

ITEM NUMBER	ID NUMBER	SYS	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
G02.001.011C	1B1-THERM SLEEVE		ISI OCN1-013	NDE-105	RT	SS	3.500		HPI Nozzle 1B1. Perform RT between the nozzle to safe end and safe end to pipe weld in the thermal sleeve expansion area as described in procedure NDE-105. This schedule cannot be changed. Reference Section 7 of the ISI Plan, General Requirements.
	Circumferential	51A	O-ISIN4-100A-1.1				0.750		
Class A									
G02.001.011D	1B2-THERM SLEEVE		ISI OCN1-014	NDE-105	RT	SS	3.500		HPI Nozzle 1B2. Perform RT between the nozzle to safe end and safe end to pipe weld in the thermal sleeve expansion area as described in procedure NDE-105. This schedule cannot be changed. Reference Section 7 of the ISI Plan, General Requirements.
	Circumferential	51A	O-ISIN4-100A-1.1				0.750		
Class A									

Total G02.001 Items: 24

Total G02 Items: 24

CATEGORY AUG, Augmented Inspections

DUKE ENERGY CORPORATION
INSERVICE INSPECTION PLAN MANAGEMENT
Inservice Inspection Database Management System
Oconee 1
Inservice Inspection Plan for Interval 4 Outage 2

Thermal Stress Piping Examinations

ITEM NUMBER	ID NUMBER	SYS	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
G04.001.001 Class A	1RC-201-105 Circumferential	51A	1RC-201 O-ISIN4-100A-1.1	NDE-960	UT Pipe to Safe-End	SS	2.500 0.375		Inspect 100% of weld & 1" of base material (axial & circumferential). Revision 2 changed weld number from 1-51A-11-87. Inspect with G02.001.008D. The inspection performed for the G02 item number meets the requirements for the G04 inspection. Reference Section 7 of the ISI Plan, General Requirements.
G04.001.002 Class A	1RC-201-92 Circumferential	51A	1RC-201 O-ISIN4-101A-1.4	NDE-960	UT Pipe to Valve 1HP-152	SS	2.500 0.375		Inspect 100% of weld & 1" of base material (axial & circumferential). Revision 3 changed weld number from 1-51A-11-88. Inspect with G02.001.010D. The inspection performed for the G02 item number meets the requirements for the G04 inspection. Reference Section 7 of the ISI Plan, General Requirements.
G04.001.003 Class A	1RC-201-101 Circumferential	51A	1RC-201 O-ISIN4-101A-1.4	NDE-960	UT Pipe to Safe-End	SS	2.500 0.375		Inspect 100% of weld & 1" of base material (axial & circumferential). Revision 2 changed weld number from 1-51A-11-89. Inspect with G02.001.008C. The inspection performed for the G02 item number meets the requirements for the G04 inspection. Reference Section 7 of the ISI Plan, General Requirements.
G04.001.004 Class A	1RC-201-97 Circumferential	51A	1RC-201 O-ISIN4-101A-1.4	NDE-960	UT Pipe to Valve 1HP-153	SS	2.500 0.375		Inspect 100% of weld & 1" of base material (axial & circumferential). Revision 2 changed weld number from 1-51A-11-90. Inspect with G02.001.010C. The inspection performed for the G02 item number meets the requirements for the G04 inspection. Reference Section 7 of the ISI Plan, General Requirements.
G04.001.013 Class A	1RC-201-91 Circumferential	51A	1RC-201 O-ISIN4-101A-1.4	See Com NDE-12	UT Valve 1HP-489 to Valve 1HP-152	SS	2.500 0.375		Use procedure EPRI-NDEC-UT-X to perform a circumferential scan of the weld and one half inch of base metal on each side of the weld as access permits. Use procedure NDE-12 to perform RT on 100% of the weld and one quarter inch of base metal on each side of the weld. See PIP # O-99-02-02157 and PIP # O-01-04673 for examination methods and area of coverage for this item number. Reference Section 7 of the ISI Plan,

CATEGORY AUG, Augmented Inspections

Thermal Stress Piping Examinations

ITEM NUMBER	ID NUMBER	SYS	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
									General Requirements.
G04.001.014 Class A	1RC-201-96 Circumferential	51A	1RC-201 O-ISIN4-101A-1.4	See Com NDE-12	UT Valve 1HP-488 to Valve 1HP-153	SS	2.500 0.375		Use procedure EPRI-NDEC-UT-X to perform a circumferential scan of the weld and one half inch of base metal on each side of the weld as access permits. Use procedure NDE-12 to perform RT on 100% of the weld and one quarter inch of base metal on each side of the weld. See PIP # O-99-02-02157 and PIP # O-01-04673 for examination methods and area of coverage for this item number. Reference Section 7 of the ISI Plan, General Requirements.
G04.001.020 Class A	1RC-200-166 Circumferential	51A	1RC-200	See Com NDE-12	UT Valve 1HP-486 to Valve 1HP-126	SS	2.500 0.375		Use procedure EPRI-NDEC-UT-X to perform a circumferential scan of the weld and one half inch of base metal on each side of the weld as access permits. Use procedure NDE-12 to perform RT on 100% of the weld and one quarter inch of base metal on each side of the weld. See PIP # O-99-02-02157 and PIP # O-01-04673 for examination methods and area of coverage for this item number. Reference Section 7 of the ISI Plan, General Requirements.
G04.001.024 Class A	1RC-199-150 Circumferential	51A	1RC-199	See Com NDE-12	UT Valve 1HP-127 to Valve 1HP-487	SS	2.500 0.375		Use procedure EPRI-NDEC-UT-X to perform a circumferential scan of the weld and one half inch of base metal on each side of the weld as access permits. Use procedure NDE-12 to perform RT on 100% of the weld and one quarter inch of base metal on each side of the weld. See PIP # O-99-02-02157 and PIP # O-01-04673 for examination methods and area of coverage for this item number. Reference Section 7 of the ISI Plan, General Requirements.
G04.001.028 Class A	1RC-199-149 Circumferential	51A	1RC-199 O-ISIN4-100A-1.1	NDE-960	UT Pipe to Valve 1HP-127	SS	2.500 0.375		Inspect 100% of weld & 1" of base material (axial & circumferential). Inspect with G02.001.010A. The inspection performed for the G02 item number meets the requirements for the G04 inspection. Reference Section 7 of the ISI Plan, General

CATEGORY AUG, Augmented Inspections

Thermal Stress Piping Examinations

Oconee 1

Inservice Inspection Plan for Interval 4 Outage 2

ITEM NUMBER	ID NUMBER	SYS	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
G04.001.029 Class A	1RC-199-154 Circumferential	51A	1RC-199 O-ISIN4-100A-1.1	NDE-960	UT Safe End Pc. 47 to Pipe	SS	2.500 0.375		Inspect 100% of weld & 1" of base material (axial & circumferential). Revision 2 changed weld number from 1-RC-199-94. Inspect with G02.001.008A. The inspection performed for the G02 item number meets the requirements for the G04 inspection. Reference Section 7 of the ISI Plan, General Requirements.
G04.001.030 Class A	1RC-200-160 Circumferential	51A	1RC-200 O-ISIN4-100A-1.1	See Com	UT Pipe to Valve 1HP-126	SS	2.500 0.375		Inspect 100% of weld & 1" of base material (axial & circumferential). Revision 2 changed weld number from 1RC-200-8 to 1RC-200-160. Inspect with G02.001.010B. The inspection performed for the G02 item number meets the requirements for the G04 inspection. Reference Section 7 of the ISI Plan, General Requirements. Procedure EPRI-NDEC-UT-X
G04.001.031 Class A	1RC-200-161 Circumferential	51A	1RC-200 O-ISIN 100A-1.1	NDE-960	UT Safe End Pc. 47 to Pipe	SS	2.500 0.375		Inspect 100% of weld & 1" of base material (axial & circumferential). Revision 2 changed weld number from 1RC-200-7. Inspect with G02.001.008B. The inspection performed for the G02 meets the requirements for the G04 inspection. Reference Section 7 of the ISI Plan, General Requirements.

Total G04.001 Items:	**12**
Total G04 Items:	**12**

CATEGORY AUG, Augmented Inspections

DUKE ENERGY CORPORATION
INSERVICE INSPECTION PLAN MANAGEMENT
Inservice Inspection Database Management System
Oconee 1
Inservice Inspection Plan for Interval 4 Outage 2

Class 1 RTE Mounting Bosses

ITEM NUMBER	ID NUMBER	SYS	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
G10.001.007	1-PIA1-12		ISI-OCN1-007	NDE-35	PT	CS-Inconel	8.750		RTE Mounting Pipe. This weld covers the Z-W Quadrant. The diameter of hole that penetrates the nozzle into the RCP 1A1 Suction Piping = .613". Reference Section 7 of the ISI Plan, General Requirements.
	Branch	50	OM-201-1845				2.250		
Class A					Salvaged Pipe to Pipe				
	Dissimilar								

Total G10.001 Items: 1

Total G10 Items: 1

Duke Power Company

Inservice Inspection Management

Inservice Inspection Plan For:

Oconee Unit 1

Interval 4

ISI Outage 3

Refueling Outage **EOC 24**

ISI Examination Listing and Schedule

Revision 0

DUKE ENERGY CORPORATION
INSERVICE INSPECTION PLAN MANAGEMENT
Inservice Inspection Database Management System

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

Heat Exchangers (Primary Side)-Shell

Oconee 1

Inservice Inspection Plan for Interval 4 Outage 3

ITEM NUMBER	ID NUMBER	SYS	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
****** Tubesheet-to-Head Welds ******									
B02.060.001	1-LDCA-IN-V3		18792-1	NDE-3630	UT	SS	8.620	40411	Letdown Cooler 1A Inlet Tubesheet Pc. 2 to Channel Body Pc. 3.
	Circumferential	51A	OM-201-3107				0.875		
Class A					Tubesheet to Head				
B02.060.002	1-LDCA-OUT-V5		18792-1	NDE-3630	UT	SS	8.620	40411	Letdown Cooler 1A Outlet Tubesheet Pc. 2 to Channel Body Pc. 3.
	Circumferential	51A	OM-201-3107				0.875		
Class A					Tubesheet to Head				

Total B02.060 Items:	**2**
Total B02 Items:	**2**

DUKE ENERGY CORPORATION
INSERVICE INSPECTION PLAN MANAGEMENT
Inservice Inspection Database Management System

CATEGORY B-D, Full Penetration Welded Nozzles In Vessels - Inspection Program B

[redacted] Pressurizer

Oconee 1

Inservice Inspection Plan for Interval 4 Outage 3

ITEM NUMBER	ID NUMBER	SYS	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
****** Nozzle-to-Vessel Welds ******									
B03.110.006	1-PZR-WP26-4		ISI-OCN1-002	NDE-640	UT	CS	5.750	40387	Pressurizer Sensing and Sampling Nozzle Pc. 30 to
	Circumferential	50	OM-201-91	NDE-820			6.187		Upper Shell Course Pc. 1. W-X Quadrant.
Class A			OM-201-1878		Nozzle to Shell				
B03.110.007	1-PZR-WP26-5		ISI-OCN1-002	NDE-640	UT	CS	5.750	40387	Pressurizer Sensing and Sampling Nozzle Pc. 30 to
	Circumferential	50	OM-201-91	NDE-820			6.187		Upper Shell Course Pc. 1. Z-Y Quadrant.
Class A			OM-201-1878		Nozzle to Shell				
B03.110.008	1-PZR-WP26-6		ISI-OCN1-002	NDE-640	UT	CS	5.750	40387	Pressurizer Sensing and Sampling Nozzle Pc. 30 to
	Circumferential	50	OM-201-91	NDE-820			6.187		Upper Shell Course Pc. 1. W-Z Quadrant.
Class A			OM-201-1878		Nozzle to Shell				

Total B03.110 Items: 3

DUKE ENERGY CORPORATION
INSERVICE INSPECTION PLAN MANAGEMENT
Inservice Inspection Database Management System

CATEGORY B-D, Full Penetration Welded Nozzles In Vessels - Inspection Program B

[redacted] Pressurizer

Oconee 1

Inservice Inspection Plan for Interval 4 Outage 3

ITEM NUMBER	ID NUMBER	SYS	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
****** Nozzle Inside Radius Section ******									
B03.120.006	1-PZR-WP26-4		ISI-OCN1-002	NDE-680	UT	CS	5.750	50237E	Pressurizer Sensing and Sampling Nozzle Pc. 30 to Shell Pc.1. W-X Quadrant. (Inside Radius Section) Cal Block 40338
		50	OM-201-91				2.531	50237F	
Class A			OM-201-1878		Nozzle to Shell				
B03.120.007	1-PZR-WP26-5		ISI-OCN1-002	NDE-680	UT	CS	5.750	50237E	Pressurizer Sensing and Sampling Nozzle Pc. 30 to Shell Pc.1. Z-Y Quadrant. (Inside Radius Section) Cal Block 40338
		50	OM-201-91				2.531	50237F	
Class A			OM-201-1878		Nozzle to Shell				
B03.120.008	1-PZR-WP26-6		ISI-OCN1-002	NDE-680	UT	CS	5.750	50237E	Pressurizer Sensing and Sampling Nozzle Pc. 30 to Shell Pc.1. W-Z Quadrant. (Inside Radius Section) Cal Block 40338
		50	OM-201-91				2.531	50237F	
Class A			OM-201-1878		Nozzle to Shell				

Total B03.120 Items: 3

Total B03 Items: 6

CATEGORY B-F, Pressure Retaining Dissimilar Metal Welds In Vessel Nozzles

Pressurizer

DUKE ENERGY CORPORATION
INSERVICE INSPECTION PLAN MANAGEMENT
Inservice Inspection Database Management System
Oconee 1
Inservice Inspection Plan for Interval 4 Outage 3

ITEM NUMBER	ID NUMBER	SYS	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	1-PZR-WP23		ISI-OCN1-002	NDE-35	PT	SS-CS	11.375		Pressurizer Surge Nozzle Pc. 8 to Surge Nozzle Safe End Pc. 37.
	Circumferential	50	O-ISIN4-100A-1.2				1.930		
Class A	Term end		OM-201-287		Nozzle to				
	Dissimilar				Safe End				
B05.040.001A	1-PZR-WP23		ISI-OCN1-002	See Com	UT	SS-CS	11.375	40354	Pressurizer Surge Nozzle Pc. 8 to Surge Nozzle Safe End Pc. 37. Procedure PDI-UT-10
	Circumferential	50	O-ISIN4-100A-1.2				1.930	40414	
Class A	Term end		OM-201-287		Nozzle to				
	Dissimilar				Safe End				
B05.040.002	1-PZR-WP45		ISI-OCN1-002	NDE-35	PT	SS-CS	4.000		Pressurizer Spray Nozzle Pc. 9 to Spray Nozzle Safe End Pc. 45.
	Circumferential	50	O-ISIN4-100A-1.2				0.438		
Class A	Term end		OM-201-1026		Nozzle to				
	Dissimilar				Safe End				
B05.040.002A	1-PZR-WP45		ISI-OCN1-002	See Com	UT	SS-CS	4.000	50373	Pressurizer Spray Nozzle Pc. 9 to Spray Nozzle Safe End Pc. 45. Procedure PDI-UT-10
	Circumferential	50	O-ISIN4-100A-1.2				0.438		
Class A	Term end		OM-201-1026		Nozzle to				
	Dissimilar				Safe End				

Total B05.040 Items: 4

Total B05 Items: 4

CATEGORY B-G-1, Pressure Retaining Bolting, Greater Than 2 in. In Diameter

[redacted] Reactor Vessel

DUKE ENERGY CORPORATION
INSERVICE INSPECTION PLAN MANAGEMENT
Inservice Inspection Database Management System
Oconee 1
Inservice Inspection Plan for Interval 4 Outage 3

ITEM NUMBER	ID NUMBER	SYS	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
****** Closure Head Nuts ******									
B06.010.021 Class A	1-RPV-26-203-21		OM-201-2271 B&W128723E	QAL-13	VT-1	CS	9.250 1.300		Reactor Vessel Closure Nut. Reference OM-201-2271 RPV Instruction Manual.
B06.010.022 Class A	1-RPV-26-203-22		OM-201-2271 B&W128723E	QAL-13	VT-1	CS	9.250 1.300		Reactor Vessel Closure Nut. Reference OM-201-2271 RPV Instruction Manual.
B06.010.023 Class A	1-RPV-26-203-23		OM-201-2271 B&W128723E	QAL-13	VT-1	CS	9.250 1.300		Reactor Vessel Closure Nut. Reference OM-201-2271 RPV Instruction Manual.
B06.010.024 Class A	1-RPV-26-203-24		OM-201-2271 B&W128723E	QAL-13	VT-1	CS	9.250 1.300		Reactor Vessel Closure Nut. Reference OM-201-2271 RPV Instruction Manual.
B06.010.025 Class A	1-RPV-26-203-25		OM-201-2271 B&W128723E	QAL-13	VT-1	CS	9.250 1.300		Reactor Vessel Closure Nut. Reference OM-201-2271 RPV Instruction Manual.
B06.010.026 Class A	1-RPV-26-203-26		OM-201-2271 B&W128723E	QAL-13	VT-1	CS	9.250 1.300		Reactor Vessel Closure Nut. Reference OM-201-2271 RPV Instruction Manual.
B06.010.027 Class A	1-RPV-26-203-62		OM-201-2271 B&W128723E	QAL-13	VT-1	CS	9.250 1.300		Reactor Vessel Closure Nut. Reference OM-201-2271 RPV Instruction Manual.
B06.010.028 Class A	1-RPV-26-203-28		OM-201-2271 B&W128723E	QAL-13	VT-1	CS	9.250 1.300		Reactor Vessel Closure Nut. Reference OM-201-2271 RPV Instruction Manual.

CATEGORY B-G-1, Pressure Retaining Bolting, Greater Than 2 in. In Diameter

[redacted] Reactor Vessel

DUKE ENERGY CORPORATION
INSERVICE INSPECTION PLAN MANAGEMENT
Inservice Inspection Database Management System
Oconee 1
Inservice Inspection Plan for Interval 4 Outage 3

ITEM NUMBER	ID NUMBER	SYS	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
B06.010.029	1-RPV-26-203-29		OM-201-2271 B&W128723E	QAL-13	VT-1	CS	9.250 1.300		Reactor Vessel Closure Nut. Reference OM-201-2271 RPV Instruction Manual.
Class A									
B06.010.030	1-RPV-26-203-30		OM-201-2271 B&W128723E	QAL-13	VT-1	CS	9.250 1.300		Reactor Vessel Closure Nut. Reference OM-201-2271 RPV Instruction Manual.
Class A									
B06.010.031	1-RPV-26-203-61		OM-201-2271 B&W128723E	QAL-13	VT-1	CS	9.250 1.300		Reactor Vessel Closure Nut. Reference OM-201-2271 RPV Instruction Manual.
Class A									
B06.010.032	1-RPV-26-203-32		OM-201-2271 B&W128723E	QAL-13	VT-1	CS	9.250 1.300		Reactor Vessel Closure Nut. Reference OM-201-2271 RPV Instruction Manual.
Class A									
B06.010.033	1-RPV-26-203-33		OM-201-2271 B&W128723E	QAL-13	VT-1	CS	9.250 1.300		Reactor Vessel Closure Nut. Reference OM-201-2271 RPV Instruction Manual.
Class A									
B06.010.034	1-RPV-26-203-65		OM-201-2271 B&W128723E	QAL-13	VT-1	CS	9.250 1.300		Reactor Vessel Closure Nut. Reference OM-201-2271 RPV Instruction Manual.
Class A									
B06.010.035	1-RPV-26-203-35		OM-201-2271 B&W128723E	QAL-13	VT-1	CS	9.250 1.300		Reactor Vessel Closure Nut. Reference OM-201-2271 RPV Instruction Manual.
Class A									
B06.010.036	1-RPV-26-203-36		OM-201-2271 B&W128723E	QAL-13	VT-1	CS	9.250 1.300		Reactor Vessel Closure Nut. Reference OM-201-2271 RPV Instruction Manual.
Class A									
B06.010.037	1-RPV-26-203-37		OM-201-2271 B&W128723E	QAL-13	VT-1	CS	9.250 1.300		Reactor Vessel Closure Nut. Reference OM-201-2271 RPV Instruction Manual.
Class A									

DUKE ENERGY CORPORATION
INSERVICE INSPECTION PLAN MANAGEMENT
Inservice Inspection Database Management System

CATEGORY B-G-1, Pressure Retaining Bolting, Greater Than 2 in. In Diameter

[redacted] Reactor Vessel

Oconee 1

Inservice Inspection Plan for Interval 4 Outage 3

ITEM NUMBER	ID NUMBER	SYS	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
B06.010.038	1-RPV-26-203-38		OM-201-2271	QAL-13	VT-1	CS	9.250		Reactor Vessel Closure Nut. Reference
			B&W128723E				1.300		OM-201-2271 RPV Instruction Manual.
Class A									
B06.010.039	1-RPV-26-203-39		OM-201-2271	QAL-13	VT-1	CS	9.250		Reactor Vessel Closure Nut. Reference
			B&W128723E				1.300		OM-201-2271 RPV Instruction Manual.
Class A									
B06.010.040	1-RPV-26-203-40		OM-201-2271	QAL-13	VT-1	CS	9.250		Reactor Vessel Closure Nut. Reference
			B&W128723E				1.300		OM-201-2271 RPV Instruction Manual.
Class A									

Total B06.010 Items: 20

CATEGORY B-G-1, Pressure Retaining Bolting, Greater Than 2 in. In Diameter

Reactor Vessel

DUKE ENERGY CORPORATION
INSERVICE INSPECTION PLAN MANAGEMENT
Inservice Inspection Database Management System
Oconee 1
Inservice Inspection Plan for Interval 4 Outage 3

ITEM NUMBER	ID NUMBER	SYS	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
****** Closure Studs, when removed ******									
B06.030.021 Class A	1-RPV-25-203-21		OM-201-2271 B&W128723E	See Com	UT	CS	6.500 0.000	40420	Reactor Vessel Closure Stud - Removed. Stud Length = 63.250. Procedure # PDI-UT-5. Reference OM-201-2271 RPV Instruction Manual.
B06.030.022 Class A	1-RPV-25-203-22		OM-201-2271 B&W128723E	See Com	UT	CS	6.500 0.000	40420	Reactor Vessel Closure Stud - Removed. Stud Length = 63.250. Procedure # PDI-UT-5. Reference OM-201-2271 RPV Instruction Manual.
B06.030.023 Class A	1-RPV-25-203-23		OM-201-2271 B&W128723E	See Com	UT	CS	6.500 0.000	40420	Reactor Vessel Closure Stud - Removed. Stud Length = 63.250. Procedure # PDI-UT-5. Reference OM-201-2271 RPV Instruction Manual.
B06.030.024 Class A	1-RPV-25-203-24		OM-201-2271 B&W128723E	See Com	UT	CS	6.500 0.000	40420	Reactor Vessel Closure Stud - Removed. Stud Length = 63.250. Procedure # PDI-UT-5. Reference OM-201-2271 RPV Instruction Manual.
B06.030.025 Class A	1-RPV-25-203-25		OM-201-2271 B&W128723E	See Com	UT	CS	6.500 0.000	40420	Reactor Vessel Closure Stud - Removed. Stud Length = 63.250. Procedure # PDI-UT-5. Reference OM-201-2271 RPV Instruction Manual.
B06.030.026 Class A	1-RPV-25-203-26		OM-201-2271 B&W128723E	See Com	UT	CS	6.500 0.000	40420	Reactor Vessel Closure Stud - Removed. Stud Length = 63.250. Procedure # PDI-UT-5. Reference OM-201-2271 RPV Instruction Manual.
B06.030.027 Class A	1-RPV-25-203-27		OM-201-2271 B&W128723E	See Com	UT	CS	6.500 0.000	40420	Reactor Vessel Closure Stud - Removed. Stud Length = 63.250. Procedure # PDI-UT-5. Reference OM-201-2271 RPV Instruction Manual.
B06.030.028 Class A	1-RPV-25-203-63		OM-201-2271 B&W128723E	See Com	UT	CS	6.500 0.000	40420	Reactor Vessel Closure Stud - Removed. Stud Length = 63.250. Procedure # PDI-UT-5. Reference OM-201-2271 RPV Instruction Manual.

CATEGORY B-G-1, Pressure Retaining Bolting, Greater Than 2 in. In Diameter

[redacted] Reactor Vessel

DUKE ENERGY CORPORATION
INSERVICE INSPECTION PLAN MANAGEMENT
Inservice Inspection Database Management System
Oconee 1
Inservice Inspection Plan for Interval 4 Outage 3

ITEM NUMBER	ID NUMBER	SYS	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
B06.030.029 Class A	1-RPV-25-203-29		OM-201-2271 B&W128723E	See Com	UT	CS	6.500 0.000	40420	Reactor Vessel Closure Stud - Removed. Stud Length = 63.250. Procedure # PDI-UT-5. Reference OM-201-2271 RPV Instruction Manual.
B06.030.030 Class A	1-RPV-25-203-30		OM-201-2271 B&W128723E	See Com	UT	CS	6.500 0.000	40420	Reactor Vessel Closure Stud - Removed. Stud Length = 63.250. Procedure # PDI-UT-5. Reference OM-201-2271 RPV Instruction Manual.
B06.030.031 Class A	1-RPV-25-203-61		OM-201-2271 B&W128723E	See Com	UT	CS	6.500 0.000	40420	Reactor Vessel Closure Stud - Removed. Stud Length = 63.250. Procedure # PDI-UT-5. Reference OM-201-2271 RPV Instruction Manual.
B06.030.032 Class A	1-RPV-25-203-32		OM-201-2271 B&W128723E	See Com	UT	CS	6.500 0.000	40420	Reactor Vessel Closure Stud - Removed. Stud Length = 63.250. Procedure # PDI-UT-5. Reference OM-201-2271 RPV Instruction Manual.
B06.030.033 Class A	1-RPV-25-203-33		OM-201-2271 B&W128723E	See Com	UT	CS	6.500 0.000	40420	Reactor Vessel Closure Stud - Removed. Stud Length = 63.250. Procedure # PDI-UT-5. Reference OM-201-2271 RPV Instruction Manual.
B06.030.034 Class A	1-RPV-25-203-34		OM-201-2271 B&W128723E	See Com	UT	CS	6.500 0.000	40420	Reactor Vessel Closure Stud - Removed. Stud Length = 63.250. Procedure # PDI-UT-5. Reference OM-201-2271 RPV Instruction Manual.
B06.030.035 Class A	1-RPV-25-203-35		OM-201-2271 B&W128723E	See Com	UT	CS	6.500 0.000	40420	Reactor Vessel Closure Stud - Removed. Stud Length = 63.250. Procedure # PDI-UT-5. Reference OM-201-2271 RPV Instruction Manual.
B06.030.036 Class A	1-RPV-25-203-36		OM-201-2271 B&W128723E	See Com	UT	CS	6.500 0.000	40420	Reactor Vessel Closure Stud - Removed. Stud Length = 63.250. Procedure # PDI-UT-5. Reference OM-201-2271 RPV Instruction Manual.
B06.030.037 Class A	1-RPV-25-203-37		OM-201-2271 B&W128723E	See Com	UT	CS	6.500 0.000	40420	Reactor Vessel Closure Stud - Removed. Stud Length = 63.250. Procedure # PDI-UT-5. Reference OM-201-2271 RPV Instruction Manual.

DUKE ENERGY CORPORATION
INSERVICE INSPECTION PLAN MANAGEMENT
Inservice Inspection Database Management System

Oconee 1

Inservice Inspection Plan for Interval 4 Outage 3

CATEGORY B-G-1, Pressure Retaining Bolting, Greater Than 2 in. In Diameter

[redacted] Reactor Vessel

ITEM NUMBER	ID NUMBER	SYS	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
B06.030.038 Class A	1-RPV-25-203-38		OM-201-2271 B&W128723E	See Com	UT	CS	6.500 0.000	40420	Reactor Vessel Closure Stud - Removed. Stud Length = 63.250. Procedure # PDI-UT-5. Reference OM-201-2271 RPV Instruction Manual.
B06.030.039 Class A	1-RPV-25-203-65		OM-201-2271 B&W128723E	See Com	UT	CS	6.500 0.000	40420	Reactor Vessel Closure Stud - Removed. Stud Length = 63.250. Procedure # PDI-UT-5. Reference OM-201-2271 RPV Instruction Manual.
B06.030.040 Class A	1-RPV-25-203-40		OM-201-2271 B&W128723E	See Com	UT	CS	6.500 0.000	40420	Reactor Vessel Closure Stud - Removed. Stud Length = 63.250. Procedure # PDI-UT-5. Reference OM-201-2271 RPV Instruction Manual.

Total B06.030 Items: 20

CATEGORY B-G-1, Pressure Retaining Bolting, Greater Than 2 in. In Diameter

[redacted] Reactor Vessel

DUKE ENERGY CORPORATION
INSERVICE INSPECTION PLAN MANAGEMENT
Inservice Inspection Database Management System

Oconee 1

Inservice Inspection Plan for Interval 4 Outage 3

ITEM NUMBER	ID NUMBER	SYS	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
****** Closure Washers, Bushings ******									
B06.050.002	1-RPV-WASH-BUSH		OM-201-2271 B&W128723E	QAL-13	VT-1	CS	9.750 0.214		Reactor Vessel Closure Washers and Bushings. Stud Holes 21 - 40. Reference OM-201-2271 RPV Instruction Manual.
Class A									

Total B06.050 Items: 1

DUKE ENERGY CORPORATION
INSERVICE INSPECTION PLAN MANAGEMENT
Inservice Inspection Database Management System

CATEGORY B-G-1, Pressure Retaining Bolting, Greater Than 2 in. In Diameter

[redacted] Pressurizer

Oconee 1

Inservice Inspection Plan for Interval 4 Outage 3

ITEM NUMBER	ID NUMBER	SYS	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
****** Flange Surface, when connection disassembled ******									
B06.070.001	1-PZR-MW-FLANGE		OM-201-1026	QAL-13	VT-1	CS	28.000 0.000		Pressurizer Manway Flange Surface. Examination Includes 1" Annular Surface Surrounding Each Stud. (Inspect when connection disassembled)
Class A									

Total B06.070 Items: 1

DUKE ENERGY CORPORATION
INSERVICE INSPECTION PLAN MANAGEMENT
Inservice Inspection Database Management System

CATEGORY B-G-1, Pressure Retaining Bolting, Greater Than 2 in. In Diameter

Pumps

Oconee 1

Inservice Inspection Plan for Interval 4 Outage 3

ITEM NUMBER	ID NUMBER	SYS	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
****** Flange Surface, when connection disassembled ******									
B06.190.001	1-RCP-1A1-FLANGE		OM-201.D-35 OM-201.D-38	QAL-13	VT-1	SS	77.000 0.000		Reactor Coolant Pump 1A1 Main Flange. Examination includes 1" annular surface of flange surrounding each stud. (Inspect when connection disassembled)
Class A			OM-201-1148						
B06.190.002	1-RCP-1A2-FLANGE		OM-201.D-35 OM-201.D-38	QAL-13	VT-1	SS	77.000 0.000		Reactor Coolant Pump 1A2 Main Flange. Examination includes 1" annular surface of flange surrounding each stud. (Inspect when connection disassembled)
Class A			OM-201-1148						
B06.190.003	1-RCP-1B1-FLANGE		OM-201.D-35 OM-201.D-38	QAL-13	VT-1	SS	77.000 0.000		Reactor Coolant Pump 1B1 Main Flange. Examination includes 1" annular surface of flange surrounding each stud. (Inspect when connection disassembled)
Class A			OM-201-1148						
B06.190.004	1-RCP-1B2-FLANGE		OM-201.D-35 OM-201.D-38	QAL-13	VT-1	SS	77.000 0.000		Reactor Coolant Pump 1B2 Main Flange. Examination includes 1" annular surface of flange surrounding each stud. (Inspect when connection disassembled)
Class A			OM-201-1148						

Total B06.190 Items: 4

Total B06 Items: 46

DUKE ENERGY CORPORATION
INSERVICE INSPECTION PLAN MANAGEMENT
Inservice Inspection Database Management System

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

[redacted] Steam Generators

Oconee 1

Inservice Inspection Plan for Interval 4 Outage 3

ITEM NUMBER	ID NUMBER	SYS	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
****** Bolts, Studs, and Nuts ******									
B07.030.001	1-SGA-UMW-STUDS		OM-201-550 OM-201-352	QAL-13	VT-1	SS	2.000 0.000		Steam Generator 1A Upper Head Manway Studs Pc. 111 and Nuts Pc. 109. 16 Studs, Length =11.500. Examine all studs and nuts.
Class A									
B07.030.005	1-SGA-UHIC-STUDS		OM-201-550 OM-201-352	QAL-13	VT-1	SS	1.000 0.000		Steam Generator 1A Upper Head Inspection Cover Studs Pc. 112 and Nuts Pc. 110. 12 Studs, Length = 6.000. Examine all studs and nuts.
Class A									

Total B07.030 Items: 2

DUKE ENERGY CORPORATION
INSERVICE INSPECTION PLAN MANAGEMENT
Inservice Inspection Database Management System

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

[redacted] Piping

Oconee 1

Inservice Inspection Plan for Interval 4 Outage 3

ITEM NUMBER	ID NUMBER	SYS	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
****** Bolts, Studs, and Nuts ******									
B07.050.001 Class A	1-PZR-RC4-STUDS		OM-245-2012	QAL-13	VT-1	CS	1.125 0.000		Pressurizer EMO Valve RC-4 Inlet Flange Studs Pc. 19 and Nuts Pc. 20. W-Z Quadrant. Connected to Valve 1RC-66. 8 Studs, Length = 8.750. Examine all studs and nuts.
B07.050.002 Class A	1-PZR-RC66-STUDS		OM-201-0591	QAL-13	VT-1	CS	1.125 0.000		Pressurizer Relief Valve RC-66 Inlet Flange Bolting. W-Z Quadrant. 8 Studs and 16 Nuts, Length = 8.750. Examine all studs and nuts.

Total B07.050 Items: 2

DUKE ENERGY CORPORATION
INSERVICE INSPECTION PLAN MANAGEMENT
Inservice Inspection Database Management System

Oconee 1

Inservice Inspection Plan for Interval 4 Outage 3

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

CRD Housings

ITEM NUMBER	ID NUMBER	SYS	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
****** Bolts, Studs, and Nuts ******									
B07.080.001	1-RPV-CRD-HOUSING		OM-201-2186	QAL-13	VT-1	CS	1.250		CRD Housing includes Bolts (8 bolts on each connection) and Housing Rings (1 pair per housing.) Inspect only if disassembled. Inspect only bolting that is to be reused.
			DPS 706599-1056				0.000		
Class A			B&W152006E						

Total B07.080 Items:	**1**
Total B07 Items:	**5**

DUKE ENERGY CORPORATION
INSERVICE INSPECTION PLAN MANAGEMENT
Inservice Inspection Database Management System

Oconee 1

Inservice Inspection Plan for Interval 4 Outage 3

CATEGORY B-J, Pressure Retaining Welds In Piping

NPS 4 or Larger

ITEM NUMBER	ID NUMBER	SYS	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
****** Circumferential Welds ******									
B09.011.022	1-PDB2-2		ISI-OCN1-014	See Com	UT	SS-CS	33.500	40350	Reactor Coolant Pump 1B2 Discharge Piping. Safe
	Circumferential	50	O-ISIN4-100A-1.1				2.330	40397	End Pc. 213 to 13 Degree Elbow Pc. 212.
Class A	Stress weld		OM-201-1844		Safe End to				Procedure PDI-UT-10
	Dissimilar				Elbow				
B09.011.022A	1-PDB2-2		ISI-OCN1-014	NDE-35	PT	SS-CS	33.500		Reactor Coolant Pump 1B2 Discharge Piping. Safe
	Circumferential	50	O-ISIN4-100A-1.1				2.330		End Pc. 213 to 13 Degree Elbow Pc. 212.
Class A	Stress weld		OM-201-1844		Safe End to				
	Dissimilar				Elbow				
B09.011.033	1-PIA2-1		ISI-OCN1-008	NDE-600	UT	CS	33.500	40350	Steam Generator 1A Outlet
	Circumferential	50	O-ISIN4-100A-1.1				2.330		Nozzle to Pump 1A2 Suction Piping.
Class A	Term end / Stress weld		B&W 131914E6		Nozzle to				Procedure PDI-UT-1 may be used.
					Pipe				
B09.011.033A	1-PIA2-1		ISI-OCN1-008	NDE-25	MT	CS	33.500		Steam Generator 1A Outlet
	Circumferential	50	O-ISIN4-100A-1.1				2.330		Nozzle to Pump 1A2 Suction Piping.
Class A	Term end / Stress weld		B&W 131914E6		Nozzle to				
					Pipe				
B09.011.039	1-PIB2-7		ISI-OCN1-010	See Com	UT	SS-CS	33.500	40350	Reactor Coolant Pump 1B2 Suction Piping.
	Circumferential	50	O-ISIN4-100A-1.1				2.330	40397	Transition Pc. 210 to Salvaged Pipe Pc. 215.
Class A	Stress weld		OM-201-1845		Transition Piece to				Procedure PDI-UT-10
	Dissimilar				Pipe				
B09.011.039A	1-PIB2-7		ISI-OCN1-010	NDE-35	PT	SS-CS	33.500		Reactor Coolant Pump 1B2 Suction Piping.
	Circumferential	50	O-ISIN4-100A-1.1				2.330		Transition Pc. 210 to Salvaged Pipe Pc. 215.
Class A	Stress weld		OM-201-1845		Transition Piece to				
	Dissimilar				Pipe				
B09.011.040	1-PSL-1		ISI-OCN1-015	NDE-600	UT	SS	10.750	40399	Pressurizer Surge Piping. Elbow Pc. 80 to Surge
	Circumferential	50	O-ISIN4-100A-1.1			140	1.000		Nozzle Safe End Pc. 37.
Class A	Stress weld				Elbow to				Procedure PDI-UT-2 may be used.
					Safe End				
B09.011.040A	1-PSL-1		ISI-OCN1-015	NDE-35	PT	SS	10.750		Pressurizer Surge Piping. Elbow Pc. 80 to Surge
	Circumferential	50	O-ISIN4-100A-1.1			140	1.000		Nozzle Safe End Pc. 37.
Class A	Stress weld				Elbow to				
					Safe End				

CATEGORY B-J, Pressure Retaining Welds In Piping

NPS 4 or Larger

DUKE ENERGY CORPORATION
INSERVICE INSPECTION PLAN MANAGEMENT
Inservice Inspection Database Management System
Oconee 1
Inservice Inspection Plan for Interval 4 Outage 3

ITEM NUMBER	ID NUMBER	SYS	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
B09.011.056	1-PIA2-2		ISI-OCN1-008	NDE-600	UT	CS	33.500		
	Circumferential	50	B&W 131914E6				2.330		
Class A	Stress weld				Pipe to Elbow				
B09.011.056A	1-PIA2-2		ISI-OCN1-008	NDE-25	MT	CS	33.500		
	Circumferential	50	B&W 131914E6				2.330		
Class A	Stress weld				Pipe to Elbow				
B09.011.057	1-PIA2-4		ISI-OCN1-008	NDE-600	UT	CS	33.500	40350	Procedure PDI-UT-1 may be used.
	Circumferential	50	OM-201-1845				2.330		
Class A	Stress weld				Pipe to Elbow				
B09.011.057A	1-PIA2-4		ISI-OCN1-008	NDE-25	MT	CS	33.500		
	Circumferential	50	OM-201-1845				2.330		
Class A	Stress weld				Pipe to Elbow				
B09.011.061	1-PIB2-9		ISI-OCN1-010	NDE-600	UT	SS	36.500	40397	Procedure PDI-UT-2 may be used.
	Circumferential	50	OM-201-1844				2.330		
Class A	Term end / Stress weld				Pipe Safe End to RC Pump 1B2				
B09.011.061A	1-PIB2-9		ISI-OCN1-010	NDE-35	PT	SS	36.500		
	Circumferential	50	OM-201-1844				2.330		
Class A	Term end / Stress weld				Pipe Safe End to RC Pump 1B2				

Total B09.011 Items: 14

DUKE ENERGY CORPORATION
INSERVICE INSPECTION PLAN MANAGEMENT
Inservice Inspection Database Management System

CATEGORY B-J, Pressure Retaining Welds In Piping

Less Than NPS 4

Oconee 1

Inservice Inspection Plan for Interval 4 Outage 3

ITEM NUMBER	ID NUMBER	SYS	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
****** Circumferential Welds ******									
B09.021.009	1-51A-07-14E		1-51A-07(1)	NDE-35	PT	SS	2.500		
	Circumferential	51A	O-ISIN4-100A-1.1				0.375		
Class A					Pipe to Elbow				
B09.021.010	1-51A-07-18E		1-51A-07(1)	NDE-35	PT	SS	2.500		
	Circumferential	51A	O-ISIN4-100A-1.1				0.375		
Class A					Pipe to Elbow				
B09.021.011	1-51A-07-22E		1-51A-07(1)	NDE-35	PT	SS	2.500		
	Circumferential	51A	O-ISIN4-100A-1.1				0.375		
Class A					Pipe to Elbow 45				
B09.021.012	1-51A-07-24EA		1-51A-07(1)	NDE-35	PT	SS	2.500		
	Circumferential	51A	O-ISIN4-100A-1.1				0.375		
Class A					Pipe to Pipe				
B09.021.015	1-51A-134A-6		1-51A-134A	NDE-35	PT	SS	2.500		
	Circumferential	51A	O-ISIN4-101A-1.1				0.375		
Class A					Pipe to Reducer				
B09.021.018	1-51A-137-1B		1-51A-137	NDE-35	PT	SS	3.000		Letdown Cooler 1B Outlet Channel Nozzle Pc. 5 to Elbow.
	Circumferential	51A	O-ISIN4-101A-1.1				0.438		
Class A	Term end		OM-201-2991		Nozzle to Elbow				
B09.021.019	1-51A-137-27		1-51A-137	NDE-35	PT	SS	2.000		
	Circumferential	51A	O-ISIN4-101A-1.1				0.344		
Class A					Reducer to Pipe				
B09.021.021	1-PDA2-11		ISI-OCN1-012	NDE-35	PT	SS-CS	3.500		Reactor Coolant Pump 1A2 Discharge Piping.
	Circumferential	50	O-ISIN4-100A-1.1				0.750		Pressure Injection Nozzle Pc. 46 to Safe End Pc. 47.
Class A			OM-201-1870		Nozzle to Safe End				
	Dissimilar								

DUKE ENERGY CORPORATION
INSERVICE INSPECTION PLAN MANAGEMENT
Inservice Inspection Database Management System

CATEGORY B-J, Pressure Retaining Welds In Piping

[redacted] Less Than NPS 4

Oconee 1

Inservice Inspection Plan for Interval 4 Outage 3

ITEM NUMBER	ID NUMBER	SYS	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
B09.021.027	1-PIB2-11		ISI-OCN1-010	NDE-35	PT	CS-Inconel	3.500		Reactor Coolant Pump 1B2
	Circumferential	50	O-ISIN4-100A-1.1				0.816		Suction Piping. Drain Nozzle Pc. 64 to Safe End Pc.
Class A			OM-201-1845		Nozzle to				65.
	Dissimilar				Safe End				
B09.021.032	1-PSP-4		ISI-OCN1-016	NDE-35	PT	SS	2.875		
	Circumferential	50	O-ISIN4-100A-1.2			160	0.375		
Class A	Stress weld				Reducer to				
					Pipe				

Total B09.021 Items: 10

DUKE ENERGY CORPORATION
INSERVICE INSPECTION PLAN MANAGEMENT
Inservice Inspection Database Management System

CATEGORY B-J, Pressure Retaining Welds In Piping

Branch Pipe Connection Welds

Oconee 1

Inservice Inspection Plan for Interval 4 Outage 3

ITEM NUMBER	ID NUMBER	SYS	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
****** Less Than NPS 4 ******									
B09.032.001	1-PDA1-10		ISI-OCN1-011	NDE-25	MT	CS	12.000		28" ID Pipe Pc. 44 to Pressure Injection Nozzle Pc.
	Branch	50	O-ISIN4-100A-1.1				2.250		46. The NPS of the branch piping is 2.5 inches.
Class A	Stress weld		OM-201-597		Pipe to Nozzle				

Total B09.032 Items: 1

CATEGORY B-J, Pressure Retaining Welds In Piping

Socket Welds

DUKE ENERGY CORPORATION
INSERVICE INSPECTION PLAN MANAGEMENT
Inservice Inspection Database Management System
Oconee 1
Inservice Inspection Plan for Interval 4 Outage 3

ITEM NUMBER	ID NUMBER	SYS	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
B09.040.015	1RC-127-3		1RC-127	NDE-35	PT	SS	1.500		Auxiliary Pressurizer Spray Line.
	Circumferential	50	O-ISIN4-100A-1.2			160	0.281		This weld was previously listed as 1.50-127-3 and was shown on Isometric 1-50-127.
Class A					Pipe to Full Coupling				
B09.040.016	1RC-127-8BA		1RC-127	NDE-35	PT	SS	1.500		Auxiliary Pressurizer Spray Line.
	Socket	50	O-ISIN4-100A-1.2			160	0.281		This weld was previously listed as 1-50-127-8BA and was shown on Isometric 1-50-127.
Class A					Elbow to Pipe				

Total B09.040 Items: 2

Total B09 Items: 27

DUKE ENERGY CORPORATION
INSERVICE INSPECTION PLAN MANAGEMENT
Inservice Inspection Database Management System

CATEGORY B-K, Welded Attachments For Vessels, Piping, Pumps, And Valves

Pressure Vessels

Oconee 1

Inservice Inspection Plan for Interval 4 Outage 3

ITEM NUMBER	ID NUMBER	SYS	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
****** Welded Attachments ******									
B10.010.001	1-PZR-WP82-W		ISI-OCN1-002	NDE-25	MT	CS	0.000		Pressurizer Support Lug Assembly Pc. 110 to Lower Shell Course Pc. 3. W Axis.
	Circumferential	50					3.500		
Class A					Support Lug to Shell				
B10.010.002	1-PZR-WP82-WX		ISI-OCN1-002	NDE-25	MT	CS	0.000		Pressurizer Support Lug Assembly Pc. 110 to Lower Shell Course Pc. 3. W-X Quadrant.
	Circumferential	50					3.500		
Class A					Support Lug to Shell				
B10.010.003	1-PZR-WP82-X		ISI-OCN1-002	NDE-25	MT	CS	0.000		Pressurizer Support Lug Assembly Pc. 110 to Lower Shell Course Pc. 3. X Axis.
	Circumferential	50					3.500		
Class A					Support Lug to Shell				
B10.010.004	1-PZR-WP82-XY		ISI-OCN1-002	NDE-25	MT	CS	0.000		Pressurizer Support Lug Assembly Pc. 110 to Lower Shell Course Pc. 3. X-Y Quadrant.
	Circumferential	50					3.500		
Class A					Support Lug to Shell				

Total B10.010 Items: 4

DUKE ENERGY CORPORATION
INSERVICE INSPECTION PLAN MANAGEMENT
Inservice Inspection Database Management System

CATEGORY B-K, Welded Attachments For Vessels, Piping, Pumps, And Valves

Piping

Oconee 1

Inservice Inspection Plan for Interval 4 Outage 3

ITEM NUMBER	ID NUMBER	SYS	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
****** Welded Attachments ******									
B10.020.006	1-51A-0-478A-H3C		1-55-03/sht.4	NDE-35	PT	NA	0.000		Calculation No. OSC-1660-11 , page 68 High
	Rigid Support	51A	O-ISIN4-101A-1.1				0.750		Pressure Injection. Inspect with F01.010.004.
Class A									

Total B10.020 Items:	**1**
Total B10 Items:	**5**

CATEGORY B-L-2, Pump Casings

DUKE ENERGY CORPORATION
INSERVICE INSPECTION PLAN MANAGEMENT
Inservice Inspection Database Management System
Oconee 1
Inservice Inspection Plan for Interval 4 Outage 3

Pumps

ITEM NUMBER	ID NUMBER	SYS	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
****** Pump Casing ******									
B12.020.001	1RCP-1A1-CASING		OM-201.D-35	QAL-14	VT-3	SS	77.000		Reactor Coolant Pump 1A1 Casing Internal Surfaces. (Inspect only if pump is disassembled for maintenance, repair, or volumetric examination)
		50	OM-201-1148				0.000		
Class A			ISI-OCN1-007						
B12.020.002	1RCP-1A2-CASING		OM-201.D-35	QAL-14	VT-3	SS	77.000		Reactor Coolant Pump 1A2 Casing Internal Surfaces. (Inspect only if pump is disassembled for maintenance, repair, or volumetric examination)
		50	OM-201-1148				0.000		
Class A			ISI-OCN1-008						
B12.020.003	1RCP-1B1-CASING		OM-201.D-35	QAL-14	VT-3	SS	77.000		Reactor Coolant Pump 1B1 Casing Internal Surfaces. (Inspect only if pump is disassembled for maintenance, repair, or volumetric examination)
		50	OM-201-1148				0.000		
Class A			ISI-OCN1-009						
B12.020.004	1RCP-1B2-CASING		OM-201.D-35	QAL-14	VT-3	SS	77.000		Reactor Coolant Pump 1B2 Casing Internal Surfaces. (Inspect only if pump is disassembled for maintenance, repair, or volumetric examination)
		50	OM-201-1148				0.000		
Class A			ISI-OCN1-010						

Total B12.020 Items: 4

CATEGORY B-M-2, Valve Body

DUKE ENERGY CORPORATION
INSERVICE INSPECTION PLAN MANAGEMENT
Inservice Inspection Database Management System
Oconee 1
Inservice Inspection Plan for Interval 4 Outage 3

Valves

ITEM NUMBER	ID NUMBER	SYS	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
****** Valve Body, Exceeding NPS 4 ******									
B12.050.001	1-53A-CF-11		OM-245-0001	QAL-14	VT-3	SS	14.000		A- Side Core Flood Valve Body 1CF-11 Internal Surfaces. W Axis.
		53A	O-ISIN4-102A-1.3				0.000		
Class A									Inspect one of the following valves: 1CF-11, 1CF-12, 1CF-13, or 1CF-14 only if valve is disassembled for maintenance, repair, or volumetric examination.
B12.050.002	1-53A-CF-12		OM-245-0001	QAL-14	VT-3	SS	14.000		A- Side Core Flood Valve Body 1CF-12 Internal Surfaces. W Axis.
		53A	O-ISIN4-102A-1.3				0.000		
Class A									Inspect one of the following valves: 1CF-11, 1CF-12, 1CF-13, or 1CF-14 only if valve is disassembled for maintenance, repair, or volumetric examination.
B12.050.003	1-53A-CF-13		OM-245-0001	QAL-14	VT-3	SS	14.000		B- Side Core Flood Valve Body 1CF-13 Internal Surfaces. Y Axis.
		53A	O-ISIN4-102A-1.3				0.000		
Class A									Inspect one of the following valves: 1CF-11, 1CF-12, 1CF-13, or 1CF-14 only if valve is disassembled for maintenance, repair, or volumetric examination.
B12.050.004	1-53A-CF-14		OM-245-0001	QAL-14	VT-3	SS	14.000		B- Side Core Flood Valve Body 1CF-14 Internal Surfaces. Y Axis.
		53A	O-ISIN4-102A-1.3				0.000		
Class A									Inspect one of the following valves: 1CF-11, 1CF-12, 1CF-13, or 1CF-14 only if valve is disassembled for maintenance, repair, or volumetric examination.
B12.050.005	1-53A-LP-47		OM-245-0001	QAL-14	VT-3	SS	10.000		B-Side LP1 Valve Body 1LP-47 Internal Surfaces.
		53A	O-ISIN4-102A-1.2				0.000		
Class A									Inspect one of the following valves: 1LP-47 or 1LP-48 only if valve is disassembled for maintenance, repair, or volumetric examination.
B12.050.006	1-53A-LP-48		OM-245-0001	QAL-14	VT-3	SS	10.000		B-Side LP1 Valve Body 1LP-48 Internal Surfaces.
		53A	O-ISIN4-102A-1.2				0.000		
Class A									Inspect one of the following valves: 1LP-47 or 1LP-48 only if valve is disassembled for maintenance, repair, or volumetric examination.
B12.050.007	1-53A-LP-1		OM-245-2054	QAL-14	VT-3	SS	12.000		Decay Heat Suction Valve Body 1LP-1 Internal Surfaces. Inspect one of the following valves: 1LP-1 or 1LP-2 only if valve is disassembled for maintenance, repair, or volumetric examination.
		53A	O-ISIN4-102A-1.1				0.000		
Class A									

CATEGORY B-M-2, Valve Body

DUKE ENERGY CORPORATION
INSERVICE INSPECTION PLAN MANAGEMENT
Inservice Inspection Database Management System

Oconee 1

Inservice Inspection Plan for Interval 4 Outage 3

Valves

ITEM NUMBER	ID NUMBER	SYS	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
B12.050.008	1-53A-LP-2		OM-245-2055	QAL-14	VT-3	SS	12.000		Decay Heat Suction Valve Body 1LP-2 Internal Surfaces. Inspect one of the following valves: 1LP-1 or 1LP-2 only if valve is disassembled for maintenance, repair, or volumetric examination.
		53A	O-ISIN4-102A-1.1				0.000		
Class A									

Total B12.050 Items: 8

Total B12 Items: 12

CATEGORY B-N-1, Interior Of Reactor Vessel

DUKE ENERGY CORPORATION
INSERVICE INSPECTION PLAN MANAGEMENT
Inservice Inspection Database Management System
Oconee 1
Inservice Inspection Plan for Interval 4 Outage 3

Reactor Vessel

ITEM NUMBER	ID NUMBER	SYS	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
****** Vessel Interior ******									
B13.010.001	1-RPV-INT-SURFACE		OM-201-1008	QAL-14	VT-3	SS	0.000		Reactor Vessel Interior. Areas to be examined shall include the spaces above and below the reactor core that are made accessible for examination by removal of components during normal refueling outages. Reference Framatome Procedure 54-ISI-364.
		50	ISI-OCN1-001	See Com			0.000		
Class A									

Total B13.010 Items: 1

Total B13 Items: 1

DUKE ENERGY CORPORATION
INSERVICE INSPECTION PLAN MANAGEMENT
Inservice Inspection Database Management System

CATEGORY C-A, Pressure Retaining Welds In Pressure Vessels

Shell Circumferential Welds

Oconee 1

Inservice Inspection Plan for Interval 4 Outage 3

ITEM NUMBER	ID NUMBER	SYS	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
C01.010.001	1-SGA-WG8-2		ISI-OCN1-003	NDE-640	UT	CS	138.000	40339	Steam Generator 1A Shell Pc. 02 to Nozzle Belt Pc. 03.
	Circumferential	03	O-ISIN4-121B-1.3	NDE-820			4.188		
Class B			OM-201-1873		Shell to Nozzle Belt				
C01.010.002	1-SGA-WG8-3		ISI-OCN1-003	NDE-640	UT	CS	138.000	40394	Steam Generator 1A Nozzle Belt Pc. 03 to Shell Pc. 02.
	Circumferential	03	O-ISIN4-121B-1.3	NDE-820			4.188		
Class B			OM-201-1873		Shell to Nozzle Belt				

Total C01.010 Items: 2

CATEGORY C-A, Pressure Retaining Welds In Pressure Vessels

Tubesheet-to-Shell Weld

DUKE ENERGY CORPORATION
INSERVICE INSPECTION PLAN MANAGEMENT
Inservice Inspection Database Management System
Oconee 1
Inservice Inspection Plan for Interval 4 Outage 3

ITEM NUMBER	ID NUMBER	SYS	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
C01.030.001	1-SGA-WG60		ISI-OCN1-003	NDE-640	UT	CS	138.000	40338	Steam Generator 1A Upper Tubesheet Pc. 51 to Shell Pc. 1.
	Circumferential	03	O-ISIN4-121B-1.3	NDE-820			6.625		
Class B			OM-201-1873		Tubesheet to Shell				

Total C01.030 Items: 1

Total C01 Items: 3

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

DUKE ENERGY CORPORATION
INSERVICE INSPECTION PLAN MANAGEMENT
Inservice Inspection Database Management System
Oconee 1
Inservice Inspection Plan for Interval 4 Outage 3

Piping

ITEM NUMBER	ID NUMBER	SYS	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
**** Welded Attachments ****									
C03.020.002	1-01A-0-550-R7		1-01-01/sht.1	NDE-25	MT	NA	0.000		Calculation No. OSC-320, page 131.1. Inspect with F01.022.006.
	Mech Snubber	01A	O-ISIN4-122A-1.1				1.000		
Class B									
C03.020.014	1-JWC-1605		OM-201-0176	NDE-25	MT	NA	0.000		Main Feedwater A-Loop X-Y Axis. Attachment closest to Y Axis.
	Rigid Support	03	O-ISIN4-121-1.3				1.000		
Class B									
C03.020.052	1-51-0-436H-SR17		1-51-01/sht.2	NDE-35	PT	NA	0.000		Calculation No. OSC-400, page 51. Inspect with F01.021.054.
	Rigid Restraint	51	O-ISIN4-101A-1.2				0.750		
Class B			O-1AB-15101-02						
C03.020.096	1-53B-5-0-444-H6		1-53-02/sht.2	NDE-35	PT	NA	0.000		Calculation No. OSC-408. Inspect with F01.020.099.
	Rigid Support	53B	O-ISIN4-102A-1.2				1.000		
Class B			O-1AB-15302-02						
C03.020.101	1-54A-0-439A-R16		1-54-03/sht.1	NDE-35	PT	NA	0.000		Calculation No. OSC-416, page 58.1.
	Mech Snubber	54A	O-ISIN4-103A-1.1				1.000		
Class B									
C03.020.103	1-54A-3-0-436D-R27		1-54-01/sht.1	NDE-35	PT	NA	0.000		Calculation No. OSC-1628, page 60.
	Rigid Support	54A	O-ISIN4-103A-1.1				1.000		
Class B									
C03.020.104	1-54A-3-0-439A-R11		1-54-03/sht.1	NDE-35	PT	NA	0.000		Calculation No. OSC-416, page 58.1. Inspect with F01.021.102.
	Rigid Restraint	54A	O-ISIN4-103A-1.1				1.000		
Class B									
C03.020.121	1-56-4-0-437B-H1		4-56-02/sht.3	NDE-35	PT	NA	0.000		Calculation No. OSC-421, page 95.1. Inspect with F01.020.131.
	Rigid Support	56	O-ISIN4-102A-1.1				0.125		
Class B									

Total C03.020 Items: 8

Total C03 Items: 8

CATEGORY C-D, Pressure Retaining Bolting Greater Than 2 in. In Diameter

Pumps

DUKE ENERGY CORPORATION
INSERVICE INSPECTION PLAN MANAGEMENT
Inservice Inspection Database Management System
Oconee 1
Inservice Inspection Plan for Interval 4 Outage 3

ITEM NUMBER	ID NUMBER	SYS	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
****** Bolts and Studs ******									
C04.030.001 Class B	1-HPI-PUMP-A	51A	OM-201-1704 O-ISIN4-101A-1.3	PDI-UT-5	UT	NA	2.500 0.000	40422	HPI Pump 1A Bolting on Pump Casing. 20 Studs, Length = 12.000. The bolting on one of the HPI Pumps(1A, 1B, 1C) is required to be examined. Due to inaccessibility disassembly is required, so therefore they will be scheduled for each outage. Examine upon disassembly for maintenance or disassembly will be required to complete the examination.
C04.030.002 Class B	1-HPI-PUMP-B	51A	OM-201-1704 O-ISIN4-101A-1.3	PDI-UT-5	UT	NA	2.500 0.000	40422	HPI Pump 1B Bolting on Pump Casing. 20 Studs, Length = 12.000. The bolting on one of the HPI Pumps(1A, 1B, 1C) is required to be examined. Due to inaccessibility disassembly is required, so therefore they will be scheduled for each outage. Examine upon disassembly for maintenance or disassembly will be required to complete the examination.
C04.030.003 Class B	1-HPI-PUMP-C	51A	OM-201-1704 O-ISIN4-101A-1.3	PDI-UT-5	UT	NA	2.500 0.000	40422	HPI Pump 1C Bolting on Pump Casing. 20 Studs, Length = 12.000. The bolting on one of the HPI Pumps(1A, 1B, 1C) is required to be examined. Due to inaccessibility disassembly is required, so therefore they will be scheduled for each outage. Examine upon disassembly for maintenance or disassembly will be required to complete the examination.

Total C04.030 Items:	**3**
Total C04 Items:	**3**

DUKE ENERGY CORPORATION
INSERVICE INSPECTION PLAN MANAGEMENT
Inservice Inspection Database Management System

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

Oconee 1

Inservice Inspection Plan for Interval 4 Outage 3

ITEM NUMBER	ID NUMBER	SYS	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
****** Circumferential Weld ******									
C05.011.005	1LP-124-21		1LP-124	NDE-600	UT	SS	12.000	40413	Procedure PDI-UT-2 may be used.
	Circumferential	53A	O-ISIN4-102A-1.2				1.168		
Class B					Reducer to Valve 1LP-17				
C05.011.005A	1LP-124-21		1LP-124	NDE-35	PT	SS	12.000		
	Circumferential	53A	O-ISIN4-102A-1.2				1.168		
Class B					Reducer to Valve 1LP-17				

Total C05.011 Items: 2

DUKE ENERGY CORPORATION
INSERVICE INSPECTION PLAN MANAGEMENT
Inservice Inspection Database Management System

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

Piping Welds > 1/5 In. Nom Wall for Piping >= NPS 2 and <= NPS 4

Oconee 1

Inservice Inspection Plan for Interval 4 Outage 3

ITEM NUMBER	ID NUMBER	SYS	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
**** Circumferential Weld ****									
C05.021.003	1-51A-03-93BA		1-51A-03(1)	NDE-600	UT	SS	4.000	40406	Procedure PDI-UT-2 may be used.
	Circumferential	51A	O-ISIN4-101A-1.4				0.531		
Class B					Pipe to Elbow				
C05.021.003A	1-51A-03-93BA		1-51A-03(1)	NDE-35	PT	SS	4.000		
	Circumferential	51A	O-ISIN4-101A-1.4				0.531		
Class B					Pipe to Elbow				
C05.021.009	1HP-192-4		1HP-192	NDE-600	UT	SS	4.000	40406	Procedure PDI-UT-2 may be used.
	Circumferential	51A	O-ISIN4-101A-1.4				0.531		
Class B					Pipe to Elbow				
C05.021.009A	1HP-192-4		1HP-192	NDE-35	PT	SS	4.000		
	Circumferential	51A	O-ISIN4-101A-1.4				0.531		
Class B					Pipe to Elbow				
C05.021.014	1-51A-124-2		1-51A-124	NDE-600	UT	SS	4.000	40406	Procedure PDI-UT-2 may be used.
	Circumferential	51A	O-ISIN4-101A-1.3				0.531		
Class B					Elbow to Pipe				
C05.021.014A	1-51A-124-2		1-51A-124	NDE-35	PT	SS	4.000		
	Circumferential	51A	O-ISIN4-101A-1.3				0.531		
Class B					Elbow to Pipe				
C05.021.020	1HP-184-2		1HP-184	NDE-600	UT	SS	4.000	40406	Procedure PDI-UT-2 may be used.
	Circumferential	51A	O-ISIN4-101A-1.4				0.531		
Class B					Elbow to Pipe				
C05.021.020A	1HP-184-2		1HP-184	NDE-35	PT	SS	4.000		
	Circumferential	51A	O-ISIN4-101A-1.4				0.531		
Class B					Elbow to Pipe				

DUKE ENERGY CORPORATION
INSERVICE INSPECTION PLAN MANAGEMENT
Inservice Inspection Database Management System

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

Piping Welds > 1/5 in. Nom Wall for Piping >= NPS 2 and <= NPS 4

Oconee 1

Inservice Inspection Plan for Interval 4 Outage 3

ITEM NUMBER	ID NUMBER	SYS	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
C05.021.026	1HP-191-1		1HP-191	NDE-600	UT	SS	4.000	40406	Procedure PDI-UT-2 may be used.
	Circumferential	51A	O-ISIN4-101A-1.4				0.531		
Class B					Pipe to Elbow				
C05.021.026A	1HP-191-1		1HP-191	NDE-35	PT	SS	4.000		
	Circumferential	51A	O-ISIN4-101A-1.4				0.531		
Class B					Pipe to Elbow				
C05.021.032	1HP-200-4		1HP-200	NDE-600	UT	SS	4.000	TBD	Procedure PDI-UT-2 may be used.
	Circumferential	51A	O-ISIN4-101A-1.1				0.674		
Class B					Elbow to Pipe				
C05.021.032A	1HP-200-4		1HP-200	NDE-35	PT	SS	4.000		
	Circumferential	51A	O-ISIN4-101A-1.1				0.674		
Class B					Elbow to Pipe				
C05.021.036	1HP-180-97E		1HP-180	NDE-600	UT	SS	2.500	40378	Procedure PDI-UT-2 may be used.
	Circumferential	51A	O-ISIN4-101A-1.1				0.375		
Class B					Elbow to Pipe				
C05.021.036A	1HP-180-97E		1HP-180	NDE-35	PT	SS	2.500		
	Circumferential	51A	O-ISIN4-101A-1.1				0.375		
Class B					Elbow to Pipe				
C05.021.041	1HP-282-76A		1HP-282	NDE-600	UT	SS	4.000	40406	Procedure PDI-UT-2 may be used.
	Circumferential	51A	O-ISIN4-101A-1.3				0.531		
Class B					Tee to Valve 1HP-117				
C05.021.041A	1HP-282-76A		1HP-282	NDE-35	PT	SS	4.000		
	Circumferential	51A	O-ISIN4-101A-1.3				0.531		
Class B					Tee to Valve 1HP-117				
C05.021.047	1HP-387-116A		1HP-387	NDE-600	UT	SS	4.000	40406	Procedure PDI-UT-2 may be used.
	Circumferential	51A	O-ISIN4-101A-1.3				0.531		
Class B					Tee to Pipe				

DUKE ENERGY CORPORATION
INSERVICE INSPECTION PLAN MANAGEMENT
Inservice Inspection Database Management System

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

Piping Welds > 1/5 in. Nom Wall for Piping >= NPS 2 and <= NPS 4

Oconee 1

Inservice Inspection Plan for Interval 4 Outage 3

ITEM NUMBER	ID NUMBER	SYS	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
C05.021.047A	1HP-387-116A		1HP-387	NDE-35	PT	SS	4.000		
	Circumferential	51A	O-ISIN4-101A-1.3				0.531		
Class B					Tee to Pipe				
C05.021.053	1-51A-02-64B		1-51A-02	NDE-600	UT	SS	4.000	40406	Procedure PDI-UT-2 may be used.
	Circumferential	51A	O-ISIN4-101A-1.3				0.531		
Class B					Elbow to Elbow				
C05.021.053A	1-51A-02-64B		1-51A-02	NDE-35	PT	SS	4.000		
	Circumferential	51A	O-ISIN4-101A-1.3				0.531		
Class B					Elbow to Elbow				
C05.021.057	1-51A-03-93BB		1-51A-03(1)	NDE-600	UT	SS	4.000	40406	Procedure PDI-UT-2 may be used.
	Circumferential	51A	O-ISIN4-101A-1.4				0.531		
Class B					Elbow to Pipe				
C05.021.057A	1-51A-03-93BB		1-51A-03(1)	NDE-35	PT	SS	4.000		
	Circumferential	51A	O-ISIN4-101A-1.4				0.531		
Class B					Elbow to Pipe				
C05.021.063	1HP-193-13		1HP-193	NDE-600	UT	SS	4.000	TBD	Procedure PDI-UT-2 may be used.
	Circumferential	51A	O-ISIN4-101A-1.4				0.674		
Class B					Valve 1HP-26 to Tee				
C05.021.063A	1HP-193-13		1HP-193	NDE-35	PT	SS	4.000		
	Circumferential	51A	O-ISIN4-101A-1.4				0.674		
Class B					Valve 1HP-26 to Tee				
C05.021.069	1HP-367-21		1HP-367	NDE-600	UT	SS	3.000	TBD	Procedure PDI-UT-2 may be used.
	Circumferential	51B	O-ISIN4-101A-1.1				0.216		
Class B					Elbow to Flange				
C05.021.069A	1HP-367-21		1HP-367	NDE-35	PT	SS	3.000		
	Circumferential	51B	O-ISIN4-101A-1.1				0.216		
Class B					Elbow to Flange				

DUKE ENERGY CORPORATION
INSERVICE INSPECTION PLAN MANAGEMENT
Inservice Inspection Database Management System

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

Piping Welds > 1/5 in. Nom Wall for Piping >= NPS 2 and <= NPS 4

Oconee 1

Inservice Inspection Plan for Interval 4 Outage 3

ITEM NUMBER	ID NUMBER	SYS	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
C05.021.070	1-51A-136-10		1-51A-136	NDE-600	UT	SS	2.500	40378	Procedure PDI-UT-2 may be used.
	Circumferential	51A	O-ISIN4-101A-1.1				0.375		
Class B					Pipe to Elbow				
C05.021.070A	1-51A-136-10		1-51A-136	NDE-35	PT	SS	2.500		
	Circumferential	51A	O-ISIN4-101A-1.1				0.375		
Class B					Pipe to Elbow				
C05.021.077	1-51A-01-27A		1-51A-01(1)	NDE-600	UT	SS	4.000	50256	Procedure PDI-UT-2 may be used.
	Circumferential	51A	O-ISIN4-101A-1.3				0.237		
Class B					Elbow to Elbow				
C05.021.077A	1-51A-01-27A		1-51A-01(1)	NDE-35	PT	SS	4.000		
	Circumferential	51A	O-ISIN4-101A-1.3				0.237		
Class B					Elbow to Elbow				
C05.021.083	1HP-387-121AA		1HP-387	NDE-600	UT	SS	4.000	40406	Procedure PDI-UT-2 may be used.
	Circumferential	51A	O-ISIN4-101A-1.3				0.531		
Class B					Elbow to Pipe				
C05.021.083A	1HP-387-121AA		1HP-387	NDE-35	PT	SS	4.000		
	Circumferential	51A	O-ISIN4-101A-1.3				0.531		
Class B					Elbow to Pipe				
C05.021.089	1-51A-02-30B		1-51A-02	NDE-600	UT	SS	4.000	40406	Procedure PDI-UT-2 may be used.
	Circumferential	51A	O-ISIN4-101A-1.4				0.531		
Class B					Tee to Pipe				
C05.021.089A	1-51A-02-30B		1-51A-02	NDE-35	PT	SS	4.000		
	Circumferential	51A	O-ISIN4-101A-1.4				0.531		
Class B					Tee to Pipe				
C05.021.095	1-51A-03-87B		1-51A-03(1)	NDE-600	UT	SS	4.000	40406	Procedure PDI-UT-2 may be used.
	Circumferential	51A	O-ISIN4-101A-1.4				0.531		
Class B					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

DUKE ENERGY CORPORATION
INSERVICE INSPECTION PLAN MANAGEMENT
Inservice Inspection Database Management System

Oconee 1

Inservice Inspection Plan for Interval 4 Outage 3

ITEM NUMBER	ID NUMBER	SYS	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
C05.021.095A	1-51A-03-87B		1-51A-03(1)	NDE-35	PT	SS	4.000		
	Circumferential	51A	O-ISIN4-101A-1.4				0.531		
Class B					Pipe to Elbow				

Total C05.021 Items: 36

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

Socket Welds

DUKE ENERGY CORPORATION
INSERVICE INSPECTION PLAN MANAGEMENT
Inservice Inspection Database Management System

Oconee 1

Inservice Inspection Plan for Interval 4 Outage 3

ITEM NUMBER	ID NUMBER	SYS	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
C05.030.002	1-51B-10-49		1-51B-10	NDE-35	PT	SS	2.000		
	Socket	51B	O-ISIN4-101A-1.1				0.154		
Class B					Pipe to Valve 1HP21				
C05.030.005	1-51A-136-27		1-51A-136	NDE-35	PT	SS	2.000		
	Socket	51A	O-ISIN4-101A-1.1				0.344		
Class B					Pipe to Elbow				

Total C05.030 Items: 2

DUKE ENERGY CORPORATION
INSERVICE INSPECTION PLAN MANAGEMENT
Inservice Inspection Database Management System

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

Pipe Branch Connections of Branch Piping >= NPS 2

Oconee 1

Inservice Inspection Plan for Interval 4 Outage 3

ITEM NUMBER	ID NUMBER	SYS	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
****** Circumferential Weld ******									
C05.041.005	1LP-136-27E		1LP-136	NDE-35	PT	SS	8.000		This weld was listed previously as 1-53B-03-27E until iso 1-53B-03(3) was redrawn.
	Branch	53B	O-ISIN4-102A-1.2				0.250		
Class B					Pipe to Pipe				
C05.041.015	1-53B-07-23		1-53B-07(1)	NDE-35	PT	SS	6.000		
	Branch	53B	O-ISIN4-102A-1.2				0.134		
Class B					Pipe to Pipe				
C05.041.030	1-51B-1-12AA		1-51B-1	NDE-35	PT	SS	2.000		Branch Socket Weld.
	Branch	51B	O-ISIN4-101A-1.2				0.154		
Class B					Pipe to Half Coupling				
C05.041.034	1LP-136-27Z		1LP-136	NDE-35	PT	SS	8.000		This weld was listed previously as 1-53B-03-27Z until iso 1-53B-03(3) was redrawn. Reinforcing collar weld at weld 1LP-136-27E.
	Branch	53B	O-ISIN4-102A-1.2				0.250		
Class B					Pipe to Pipe				
C05.041.035	1LP-136-27ZA		1LP-136	NDE-35	PT	SS	8.000		This weld was listed previously as 1-53B-03-27ZA until iso 1-53B-03(3) was redrawn. Reinforcing collar weld at weld 1LP-136-27E.
	Branch	53B	O-ISIN4-102A-1.2				0.250		
Class B					Pipe to Pipe				

Total C05.041 Items: 5

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 ENERGY CORPORATION
INSERVICE INSPECTION PLAN MANAGEMENT
Inservice Inspection Database Management System
Oconee 1
Inservice Inspection Plan for Interval 4 Outage 3

ITEM NUMBER	ID NUMBER	SYS	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
**** Circumferential Weld ****									
C05.051.002	1MS-073-13B		1MS-073	NDE-600	UT	CS	26.000		This weld was previously listed as 1-01A-02-13B before the Iso was redrawn. Procedure PDI-UT-1 may be used. If procedure PDI-UT-1 is used, calibration block PDI-UT-1-O shall be used.
	Circumferential	01A	O-ISIN4-122A-1.1				0.875		
Class B					Elbow to Pipe				
C05.051.002A	1MS-073-13B		1MS-073	NDE-25	MT	CS	26.000		This weld was previously listed as 1-01A-02-13B before the Iso was redrawn.
	Circumferential	01A	O-ISIN4-122A-1.1				0.875		
Class B					Elbow to Pipe				
C05.051.004	1-MS1B-B		1MS-068	NDE-600	UT	CS	26.000		Grinnell subassembly MS-1B. Procedure PDI-UT-1 may be used. If procedure PDI-UT-1 is used, calibration block PDI-UT-1-O shall be used.
	Circumferential	01A					0.875		
Class B					Elbow to Pipe				
C05.051.004A	1-MS1B-B		1MS-068	NDE-25	MT	CS	26.000		Grinnell subassembly MS-1B.
	Circumferential	01A					0.875		
Class B					Elbow to Pipe				
C05.051.014	1MS-068-34B		1MS-068	NDE-600	UT	CS	24.000		This weld was previously listed as 1-01A-02-34B before the Iso was redrawn. Procedure PDI-UT-1 may be used. If procedure PDI-UT-1 is used, calibration block PDI-UT-1-O shall be used.
	Circumferential	01A	O-ISIN4-122A-1.1				0.969		
Class B	Term end				Reducer to Nozzle SG 1B				
C05.051.014A	1MS-068-34B		1MS-068	NDE-25	MT	CS	24.000		This weld was previously listed as 1-01A-02-34B before the Iso was redrawn.
	Circumferential	01A	O-ISIN4-122A-1.1				0.969		
Class B	Term end				Reducer to Nozzle SG 1B				
C05.051.015	1-MS21A-D		1MS-066	NDE-600	UT	CS	24.000		Grinnell subassembly MS-21A. Procedure PDI-UT-1 may be used. If procedure PDI-UT-1 is used, calibration block PDI-UT-1-O shall be used.
	Circumferential	01A					0.969		
Class B					Elbow Y to Pipe				
C05.051.015A	1-MS21A-D		1MS-066	NDE-25	MT	CS	24.000		Grinnell subassembly MS-21A.
	Circumferential	01A					0.969		
Class B					Elbow Y to Pipe				

DUKE ENERGY CORPORATION
INSERVICE INSPECTION PLAN MANAGEMENT
Inservice Inspection Database Management System

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

Oconee 1

Inservice Inspection Plan for Interval 4 Outage 3

ITEM NUMBER	ID NUMBER	SYS	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
C05.051.026	1-FWD64-E		1-03-3(1)	NDE-600	UT	CS	24.000		Grinnell subassembly FWD-64.
	Circumferential	03					1.219		Procedure PDI-UT-1 may be used. If procedure PDI-UT-1 is used, calibration block PDI-UT-1-O shall be used.
Class B					Elbow to Reducer				
C05.051.026A	1-FWD64-E		1-03-3(1)	NDE-25	MT	CS	24.000		
	Circumferential	03					1.219		
Class B					Elbow to Reducer				
C05.051.031	1CC-136-81B		1CC-136	NDE-600	UT	CS	8.000		This weld was listed previously as 1-55-3-81B until iso 1-55-3 was redrawn.
	Circumferential	55	O-ISIN4-144A-1.2				0.500		Procedure PDI-UT-1 may be used. If procedure PDI-UT-1 is used, calibration block PDI-UT-1-O shall be used.
Class B					Pipe to Elbow				
C05.051.031A	1CC-136-81B		1CC-136	NDE-25	MT	CS	8.000		This weld was listed previously as 1-55-3-81B until iso 1-55-3 was redrawn.
	Circumferential	55	O-ISIN4-144A-1.2				0.500		
Class B					Pipe to Elbow				
C05.051.037	1-LPSW-344-18		1-LPSW-344	NDE-600	UT	CS	8.000		Procedure PDI-UT-1 may be used. If procedure PDI-UT-1 is used, calibration block PDI-UT-1-O shall be used.
	Circumferential	14B	O-ISIN4-124B-1.2				0.500		
Class B					Elbow to Pipe				
C05.051.037A	1-LPSW-344-18		1-LPSW-344	NDE-25	MT	CS	8.000		
	Circumferential	14B	O-ISIN4-124B-1.2				0.500		
Class B					Elbow to Pipe				
C05.051.041	1LPSW-345-19		1LPSW-345	NDE-600	UT	CS	8.000		This weld was listed previously as 1-LPSW-345-19 until iso 1-LPSW-345 was redrawn. This weld was listed previously as 1-LPS-345-19 until iso 1-LPS-345 was deleted.
	Circumferential	14B	O-ISIN4-124B-1.2				0.500		Procedure PDI-UT-1 may be used. If procedure PDI-UT-1 is used, calibration block PDI-UT-1-O shall be used.
Class B					Elbow to Pipe				
C05.051.041A	1LPSW-345-19		1LPSW-345	NDE-25	MT	CS	8.000		This weld was listed previously as 1-LPSW-345-19 until iso 1-LPSW-345 was redrawn. This weld was listed previously as 1-LPS-345-19 until iso 1-LPS-345 was deleted.
	Circumferential	14B	O-ISIN4-124B-1.2				0.500		
Class B					Elbow to Pipe				

DUKE ENERGY CORPORATION
INSERVICE INSPECTION PLAN MANAGEMENT
Inservice Inspection Database Management System

Oconee 1

Inservice Inspection Plan for Interval 4 Outage 3

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

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

ITEM NUMBER	ID NUMBER	SYS	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
C05.051.047	1-LPSW-346-37		1-LPSW-346	NDE-600	UT	CS	8.000		Procedure PDI-UT-1 may be used. If procedure PDI-UT-1 is used, calibration block PDI-UT-1-O shall be used.
	Circumferential	14B	O-ISIN4-124B-1.2				0.500		
Class B					Pipe to Elbow				
C05.051.047A	1-LPSW-346-37		1-LPSW-346	NDE-25	MT	CS	8.000		
	Circumferential	14B	O-ISIN4-124B-1.2				0.500		
Class B					Pipe to Elbow				
C05.051.061	1-14-232-1-11		1-14-232-1	NDE-600	UT	CS	6.000		Procedure PDI-UT-1 may be used. If procedure PDI-UT-1 is used, calibration block PDI-UT-1-O shall be used.
	Circumferential	14B	O-ISIN4-121D-1.1				0.432		
Class B					Elbow to Tee				
C05.051.061A	1-14-232-1-11		1-14-232-1	NDE-25	MT	CS	6.000		
	Circumferential	14B	O-ISIN4-121D-1.1				0.432		
Class B					Elbow to Tee				

Total C05.051 Items: 20

DUKE ENERGY CORPORATION
INSERVICE INSPECTION PLAN MANAGEMENT
Inservice Inspection Database Management System

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

Pipe Branch Connections of Branch Piping >= NPS 2

Oconee 1

Inservice Inspection Plan for Interval 4 Outage 3

ITEM NUMBER	ID NUMBER	SYS	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
****** Circumferential Weld ******									
C05.081.003	1-MS23B-C		1MS-063	NDE-25	MT	CS	8.000		Grinnell subassembly MS-23B.
	Branch	01A					0.500		
Class B					Pipe to Pipe				

Total C05.081 Items: 1

Total C05 Items: 66

CATEGORY D-A, Welded Attachments For Vessels, Piping, Pumps, And Valves

Piping

DUKE ENERGY CORPORATION
INSERVICE INSPECTION PLAN MANAGEMENT
Inservice Inspection Database Management System
Oconee 1
Inservice Inspection Plan for Interval 4 Outage 3

ITEM NUMBER	ID NUMBER	SYS	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
****** Welded Attachments ******									
D01.020.030	1-03A-1-0-400B-H59		1-03A-09/sht.4	QAL-13	VT-1	NA	6.000		Calculation No. OSC-342, page 104. Inspect with F01.030.048.
	Rigid Support	03A	O-ISIN4-121D-1.1				0.125		
Class C									
D01.020.031	1-03A-1-0-438B-SR100		1-03A-09/sht.2	QAL-13	VT-1	NA	6.000		Calculation No. OSC-342, page 102. Inspect with F01.030.046.
	Rigid Support	03A	O-ISIN4-121D-1.1				0.500		
Class C									
D01.020.051	1-13-0-400B-JEJ-1901		1-13-09/sht.1	QAL-13	VT-1	NA	30.000		Calculation No. OSC-1636. Inspect with F01.031.056.
	Rigid Restraint	13	O-ISIN4-133A-1.1				0.250		
Class C									
D01.020.062	1-14B-1-0-400B-H31		1-14A-01/sht.1	QAL-13	VT-1	NA	36.000		Calculation No. OSC-395, page 40. Inspect with F01.032.083.
	Spring Hgr	14B	O-ISIN4-124A-1.1				0.187		
Class C									

Total D01.020 Items: 4

Total D01 Items: 4

CATEGORY F-A, Supports

DUKE ENERGY CORPORATION
INSERVICE INSPECTION PLAN MANAGEMENT
Inservice Inspection Database Management System
Oconee 1
Inservice Inspection Plan for Interval 4 Outage 3

Class 1 Piping Supports

ITEM NUMBER	ID NUMBER	SYS	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
****** Category A, One-Directional ******									
F01.010.001	1-51A-0-479A-H11B		1-51-26/sht.1	QAL-14	VT-3	NA	2.500		Calculation No. OSC-1304-06, page 6(1)31 High
	Rigid Support	51A	O-ISIN4-101A-1.4				0.000		Pressure Injection.
Class A									
F01.010.004	1-51A-0-478A-H3C		1-55-03/sht.4	QAL-14	VT-3	NA	2.500		Calculation No. OSC-1660-11, page 68 High
	Rigid Support	51A	O-ISIN4-101A-1.1				0.750		Pressure Injection. Inspect with B10.020.006.
Class A									
F01.010.007	1-51A-0-479A-H9A		1-51-15/sht.1	QAL-14	VT-3	NA	2.500		Calculation No. OSC-1304-06, page 61
	Rigid Support	51A	O-ISIN4-101A-1.4				0.375		High Pressure Injection.
Class A									
Total F01.010 Items:	**3**								
****** Category B, Multi-Directional ******									
F01.011.001	1-51A-0-479A-H10B		1-51-26/sht.1	QAL-14	VT-3	NA	2.500		Calculation No. OSC-1304-06, page 6(1)32 High
	Rigid Restraint	51A	O-ISIN4-101A-1.4				0.000		Pressure Injection.
Class A									
F01.011.002	1-51A-0-478A-H2C		1-55-03/sht.4	QAL-14	VT-3	NA	2.500		Calculation No. OSC-1660-11, page 68
	Rigid Restraint	51A	O-ISIN4-101A-1.1				0.154		High Pressure Injection.
Class A									
Total F01.011 Items:	**2**								
****** Category C, Thermal Movement ******									
F01.012.006	1-51A-0-478A-H1C		1-55-03/sht.4	QAL-14	VT-3	NA	2.500		Calculation No. OSC-1660-11, page 68
	Spring Hgr	51A	O-ISIN4-101A-1.1				0.750		High Pressure Injection.
Class A									
F01.012.009	1-53A-0-478A-H5B		1-53-08	QAL-14	VT-3	NA	10.000		Calculation No. OSC-1300.
	Spring Hgr	53A	O-ISIN4-102A-1.3				0.000		
Class A									
Total F01.012 Items:	**2**								

CATEGORY F-A, Supports

DUKE ENERGY CORPORATION
INSERVICE INSPECTION PLAN MANAGEMENT
Inservice Inspection Database Management System
Oconee 1
Inservice Inspection Plan for Interval 4 Outage 3

Class 2 Piping Supports

ITEM NUMBER	ID NUMBER	SYS	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
****** Category A, One-Directional ******									
F01.020.002	1-01A-0-550-H2		1-01-01/sht.1	QAL-14	VT-3	NA	34.000		Calculation No. OSC-320, page 131.1.
	Rigid Support	01A	O-ISIN4-122A-1.1				0.000		
Class B									
F01.020.021	1-14-478E-H6014		1-03A-14/sht.3	QAL-14	VT-3	NA	6.000		Calculation No. OSC-1224-16, page 44.
	Rigid Support	14	O-ISIN4-121D-1.1				0.000		
Class B									
F01.020.042	1-51-0-435C-SR4		1-51-02/sht.2	QAL-14	VT-3	NA	6.000		Calculation No. OSC-1535, page 136.
	Rigid Support	51	O-ISIN4-101A-1.3				0.750		
Class B			O-1AB-15102-02						
F01.020.043	1-51-0-435C-SR5		1-51-02/sht.2	QAL-14	VT-3	NA	6.000		Calculation No. OSC-1535, page 136.
	Rigid Support	51	O-ISIN4-101A-1.3				0.750		
Class B			O-1AB-15102-02						
F01.020.046	1-51-0-436H-SR19		1-51-01/sht.1	QAL-14	VT-3	NA	4.000		Calculation No. OSC-400, page 50.
	Rigid Support	51	O-ISIN4-101A-1.1				0.750		
Class B			O-1AB-15101-01						
F01.020.099	1-53B-5-0-444-H6		1-53-02/sht.2	QAL-14	VT-3	NA	10.000		Calculation No. OSC-408. Inspect with C03.020.096.
	Rigid Support	53B	O-ISIN4-102A-1.2				1.000		
Class B			O-1AB-15302-02						
F01.020.101	1-53B-5-0-439-R14		1-53-02/sht.3	QAL-14	VT-3	NA	10.000		Calculation No. OSC-408.
	Rigid Support	53B	O-ISIN4-102A-1.2				0.000		
Class B			O-1AB-15302-03						
F01.020.103	1-53B-6-0-439C-H13		1-53-02/sht.3	QAL-14	VT-3	NA	8.000		Calculation No. OSC-408.
	Rigid Support	53B	O-ISIN4-102A-1.1				0.322		
Class B			O-1AB-15302-03						

CATEGORY F-A, Supports

DUKE ENERGY CORPORATION
INSERVICE INSPECTION PLAN MANAGEMENT
Inservice Inspection Database Management System
Oconee 1
Inservice Inspection Plan for Interval 4 Outage 3

Class 2 Piping Supports

ITEM NUMBER	ID NUMBER	SYS	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
F01.020.111	1-54A-435B-DE-05		1-54-02/sht.1	QAL-14	VT-3	NA	8.000		Calculation No. OSC-415, page 50.
	Rigid Support	54A	O-ISIN4-103A-1.1				0.125		
Class B									
F01.020.131	1-56-4-0-437B-H1		4-56-02/sht.3	QAL-14	VT-3	NA	8.000		Calculation No. OSC-421, page 95.1. Inspect with C03.020.121.
	Rigid Support	56	O-ISIN4-102A-1.1				0.125		
Class B									
Total F01.020 Items:	**10**								
****** Category B, Multi-Directional ******									
F01.021.021	1-03A-0-439A-DE068		1-03A-05/sht.3	QAL-14	VT-3	NA	6.000		Calculation No. OSC-339, page 81.
	Rigid Restraint	03A	O-ISIN4-121D-1.2				0.000		
Class B									
F01.021.031	1-14-0-480A-H21C		1-14-16/sht.1	QAL-14	VT-3	NA	8.000		Calculation No. OSC-1306-06, page 6(2)-43.
	Rigid Restraint	14	O-ISIN4-124B-1.2				0.000		
Class B									
F01.021.033	1-14-0-479A-H20A		1-14-13	QAL-14	VT-3	NA	8.000		Calculation No. OSC-1306-06, page 6(4)-44.
	Rigid Restraint	14	O-ISIN4-124B-1.2				1.000		
Class B									
F01.021.054	1-51-0-436H-SR17		1-51-01/sht.2	QAL-14	VT-3	NA	4.000		Calculation No. OSC-400, page 51. Inspect with C03.020.052.
	Rigid Restraint	51	O-ISIN4-101A-1.2				0.750		
Class B			O-1AB-15101-02						
F01.021.062	1-51A-0-444-H114		1-51-13/sht.2	QAL-14	VT-3	NA	4.000		Calculation No. OSC-1410, page 104. High Pressure Injection Cross Connect Header.
	Rigid Restraint	51A	O-ISIN4-101A-1.3				0.000		
Class B			O-1AB-15113-02						
F01.021.094	1-53B-2-0-436E-H7		1-51-02/sht.2	QAL-14	VT-3	NA	6.000		Calculation No. OSC-1535, page 136.
	Rigid Restraint	53B	O-ISIN4-101A-1.3				0.000		
Class B			O-1AB-15102-02						

CATEGORY F-A, Supports

DUKE ENERGY CORPORATION
INSERVICE INSPECTION PLAN MANAGEMENT
Inservice Inspection Database Management System

Class 2 Piping Supports

Oconee 1

Inservice Inspection Plan for Interval 4 Outage 3

ITEM NUMBER	ID NUMBER	SYS	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
F01.021.096	1-53B-5-0-444-R11		1-53-02/sht.2	QAL-14	VT-3	NA	10.000		Calculation No. OSC-408.
	Rigid Restraint	53B	O-ISIN4-102A-1.2				0.875		
Class B			O-1AB-15302-02						
F01.021.102	1-54A-3-0-439A-R11		1-54-03/sht.1	QAL-14	VT-3	NA	8.000		Calculation No. OSC-416, page 58.1. Inspect with C03.020.104.
	Rigid Restraint	54A	O-ISIN4-103A-1.1				1.000		
Class B									
Total F01.021 Items:	**8**								
****** Category C, Thermal Movement ******									
F01.022.005	1-01A-1-1-0-401A-H7		1-01-02/sht.3	QAL-14	VT-3	NA	12.000		Calculation No. OSC-321.
	Spring Hgr	01A	O-ISIN4-122A-1.2				0.000		
Class B									
F01.022.006	1-01A-0-550-R7		1-01-01/sht.1	QAL-14	VT-3	NA	34.000		Calculation No. OSC-320, page 131.1. Inspect with C03.020.002 and F01.050.050.
	Mech Snubber	01A	O-ISIN4-122A-1.1				1.000		
Class B									
F01.022.091	1-53A-0-479A-H5B		1-53-07/sht.2	QAL-14	VT-3	NA	12.000		Calculation No. OSC-1301-06, page 92. Inspect with F01.050.054.
	Hyd Snubber	53A	O-ISIN4-102A-1.1				0.000		
Class B									
F01.022.112	1-54A-3-0-439A-H25A		1-54-01/sht.1	QAL-14	VT-3	NA	8.000		Calculation No. OSC-416, page 58.1.
	Spring Hgr	54A	O-ISIN4-103A-1.1				0.000		
Class B									
Total F01.022 Items:	**4**								

CATEGORY F-A, Supports

DUKE ENERGY CORPORATION
INSERVICE INSPECTION PLAN MANAGEMENT
Inservice Inspection Database Management System
Oconee 1
Inservice Inspection Plan for Interval 4 Outage 3

Class 3 Piping Supports

ITEM NUMBER	ID NUMBER	SYS	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
****** Category A, One-Directional ******									
F01.030.021	1-03-0-551-R11		1-03-01/sht.1	QAL-14	VT-3	NA	24.000		Calculation No. OSC-336, page 45a.1.
	Rigid Support	03	O-ISIN4-121B-1.3				0.000		
Class C									
F01.030.046	1-03A-1-0-438B-SR100		1-03A-09/sht.2	QAL-14	VT-3	NA	6.000		Calculation No. OSC-342, page 102. Inspect with D01.020.031.
	Rigid Support	03A	O-ISIN4-121D-1.1				0.500		
Class C									
F01.030.047	1-03A-1-0-400B-H50		1-03A-09/sht.3	QAL-14	VT-3	NA	6.000		Calculation No. OSC-342, page 103.
	Rigid Support	03A	O-ISIN4-121D-1.1				0.200		
Class C									
F01.030.048	1-03A-1-0-400B-H59		1-03A-09/sht.4	QAL-14	VT-3	NA	6.000		Calculation No. OSC-342, page 104.
	Rigid Support	03A	O-ISIN4-121D-1.1				0.125		
Class C									
F01.030.049	1-03A-1-0-400A-H34		1-03A-09/sht.5	QAL-14	VT-3	NA	6.000		Calculation No. OSC-342, page 105.
	Rigid Support	03A	O-ISIN4-121D-1.1				0.500		
Class C									
F01.030.052	2-03A-1401B-DE007		2-03A-04/sht.3	QAL-14	VT-3	NA	6.000		Calculation No. OSC-457, page 43. This support was moved from Unit 2 due to boundary change.
	Rigid Support	03A	O-ISIN4-121D-2.1				0.000		
Class B									
F01.030.053	2-03A-1-0-1401B-SR16		2-03A-04/sht.3	QAL-14	VT-3	NA	6.000		Calculation No. OSC-457, page 43. This support was moved from Unit 2 due to boundary change.
	Rigid Support	03A	O-ISIN4-121D-2.1				0.000		
Class B									
F01.030.091	1-14B-0-436L-ASR14		4-14-03/sht.4	QAL-14	VT-3	NA	8.000		Calculation No. OSC-394, page 79.
	Rigid Support	14B	O-ISIN4-121D-1.2				0.000		
Class C									

CATEGORY F-A, Supports

DUKE ENERGY CORPORATION
INSERVICE INSPECTION PLAN MANAGEMENT
Inservice Inspection Database Management System
Oconee 1
Inservice Inspection Plan for Interval 4 Outage 3

Class 3 Piping Supports

ITEM NUMBER	ID NUMBER	SYS	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
F01.030.092	1-14B-439B-DE009		1-14-06/sht.1	QAL-14	VT-3	NA	10.000		Calculation No. OSC-1541, page 100.
	Rigid Support	14B	O-ISIN4-124B-1.4				0.000		
Class C									
F01.030.103	1-14B-437A-SR60		1-14-06/sht.1	QAL-14	VT-3	NA	20.000		Calculation No. OSC-1541, page 100.
	Rigid Support	14B	O-ISIN4-124B-1.1				1.000		
Class C									
F01.030.104	2-14B-1400A-DE144		1-14-06/sht.3	QAL-14	VT-3	NA	12.000		Calculation No. OSC-1541, page 102.
	Rigid Support	14B	O-ISIN4-124B-1.1				0.000		
Class C									
F01.030.133	1-56-443-H5106		4-56-02/sht.7	QAL-14	VT-3	NA	8.000		Calculation No. OSC-421, page 99.
	Rigid Support	56	O-ISIN4-104A-1.1				0.000		
Class C									
F01.030.152	0-SSW-448K-H7362		4-SSW-01/sht.1	QAL-14	VT-3	NA	6.000		Calculation No. OSC-6068.
	Rigid Support	SSW	O-ISIN4-129A-1.1				0.000		
Class C			0-4RWF-4SSW01-01						

Total F01.030 Items: 13

****** Category B, Multi-Directional ******

F01.031.056	1-13-0-400B-JEJ-1901		1-13-09/sht.1	QAL-14	VT-3	NA	30.000		Calculation No. OSC-1636. Inspect with
	Rigid Restraint	13	O-ISIN4-133A-1.1				0.250		D01.020.051.
Class C									
F01.031.071	1-14B-0-444-ASR8		1-03A-05/sht.3	QAL-14	VT-3	NA	6.000		Calculation No. OSC-339, page 81.
	Rigid Restraint	14B	O-ISIN4-121D-1.2				0.500		
Class C									
F01.031.075	1-14B-436D-DE063		4-14-03/sht.4	QAL-14	VT-3	NA	8.000		Calculation No. OSC-394, page 79.
	Rigid Restraint	14B	O-ISIN4-121D-1.2				0.237		
Class C									

CATEGORY F-A, Supports

DUKE ENERGY CORPORATION
INSERVICE INSPECTION PLAN MANAGEMENT
Inservice Inspection Database Management System

Class 3 Piping Supports

Oconee 1

Inservice Inspection Plan for Interval 4 Outage 3

ITEM NUMBER	ID NUMBER	SYS	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
F01.031.101	1-56-437B-H5110		4-56-02/sht.7	QAL-14	VT-3	NA	8.000		Calculation No. OSC-421, page 99.
	Rigid Restraint	56	O-ISIN4-104A-1.1				0.000		
Class C									
Total F01.031 Items:	**4**								
****** Category C, Thermal Movement ******									
F01.032.001	1-01A-4-1-0-401A-H2		1-01-06/sht.1	QAL-14	VT-3	NA	6.000		Calculation No. OSC-325, page 88.
	Spring Hgr	01A	O-ISIN4-122A-1.4				0.000		
Class C									
F01.032.021	1-03A-1-0-439B-H21		1-03A-05/sht.2	QAL-14	VT-3	NA	6.000		Calculation No. OSC-339, page 80.
	Spring Hgr	03A	O-ISIN4-121D-1.1				0.000		
Class C									
F01.032.083	1-14B-1-0-400B-H31		1-14A-01/sht.1	QAL-14	VT-3	NA	36.000		Calculation No. OSC-395, page 40. Inspect with D01.020.062.
	Spring Hgr	14B	O-ISIN4-124A-1.1				0.187		
Class C									
Total F01.032 Items:	**3**								

CATEGORY F-A, Supports

DUKE ENERGY CORPORATION
INSERVICE INSPECTION PLAN MANAGEMENT
Inservice Inspection Database Management System

Supports Other Than Piping Supports

Oconee 1

Inservice Inspection Plan for Interval 4 Outage 3

ITEM NUMBER	ID NUMBER	SYS	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
****** Class 1, 2, and 3 ******									
F01.040.003	1-PZR-SUPPORT		OM 201-91	QAL-14	VT-3	NA	0.000		Pressurizer Support. Additional Drawing
		50	O-ISIN4-100A-1.1				0.000		ISI-OCN-002.
Class A			OM 201-637						
F01.040.010	1-EFDW-MD-PU-A		OM 206-0036	QAL-14	VT-3	NA	0.000		Emergency Feedwater Motor Driven Pump 1A,
		03A	O-ISIN4-121D-1.1				0.000		Pump Support & Pad.
Class C									
F01.040.011	1-EFDW-PT		OM 200B-0006	QAL-14	VT-3	NA	0.000		Emergency Feedwater Pump Turbine. Ref. Fig 1 in
		03A	O-ISIN4-122A-1.4				0.000		Manual Om-200B-0006, Items 12 & 18.
Class C									
F01.040.012	1-EFDW-TD-PU		OM 206A-0001	QAL-14	VT-3	NA	0.000		Emergency Feedwater Turbine Driven Pump,
		03A	O-ISIN4-121D-1.1				0.000		Support & Pad.
Class C									
F01.040.023	1-RCSR-FTR		OM 201-2135	QAL-14	VT-3	NA	0.000		Reactor Coolant Seal Return Filter. Component
		51B	O-ISIN4-101A-1.1				0.000		Support number is 1-51B-2-0-436G-H64. Calc No.
Class B			1-51-06/sht.1						OSC-1538, Page 93.
F01.040.034	1-50-0-66A-RCPM-S6		0-66A	QAL-14	VT-3	NA	5.000		Calculation No. OSC-0971-01-0006, Reactor
	Hyd Snubber	50	O-ISIN4-100A-1.1				0.000		Coolant Pump 1A2 Motor Snubbers. Reference PIP
Class A			O-66B						0-O96-1575. Inspect with F01.050.113.

Total F01.040 Items: 6

Total F01 Items: 55

CATEGORY AUG, Augmented Inspections

Reactor Coolant Pump Flywheels

ITEM NUMBER	ID NUMBER	SYS	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
G01.001.001A	1-RCP-1A1		OM-201D-38	NDE-25	MT	CS	72.000		Reactor Coolant Pump 1A1 Flywheel. When maintenance or repair activities require removal of the flywheel, 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 Section 7 of the ISI Plan, General Requirements.
	Circumferential	50					9.500		
Class A									
G01.001.002A	1-RCP-1A2		OM-201D-38	NDE-25	MT	CS	72.000		Reactor Coolant Pump 1A2 Flywheel. When maintenance or repair activities require removal of the flywheel, 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 Section 7 of the ISI Plan, General Requirements.
	Circumferential	50					9.500		
Class A									
G01.001.003A	1-RCP-1B1		OM-201D-38	NDE-25	MT	CS	72.000		Reactor Coolant Pump 1B1 Flywheel. When maintenance or repair activities require removal of the flywheel, 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 Section 7 of the ISI Plan, General Requirements.
	Circumferential	50					9.500		
Class A									
G01.001.004A	1-RCP-1B2		OM-201D-38	NDE-25	MT	CS	72.000		Reactor Coolant Pump 1B2 Flywheel. When maintenance or repair activities require removal of the flywheel, 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 Section 7 of the ISI Plan, General Requirements.
	Circumferential	50					9.500		
Class A									

Total G01.001 Items: 4

Total G01 Items: 4

CATEGORY AUG, Augmented Inspections

DUKE ENERGY CORPORATION
INSERVICE INSPECTION PLAN MANAGEMENT
Inservice Inspection Database Management System
Oconee 1
Inservice Inspection Plan for Interval 4 Outage 3

Thermal Stress Piping Examinations

ITEM NUMBER	ID NUMBER	SYS	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
G04.001.007 Class A	1HP-255-6 Circumferential	51A	1HP-255 O-ISIN4-101A-1.4	See Com	UT Elbow to Pipe	SS	2.500 0.375		Inspect 100% of weld & 1" of base material (axial & circumferential). This weld was 1-51A-10-6 until iso 1-51A-10 was deleted and welds were transferred to iso 1HP-255. Reference Section 7 of the ISI Plan, General Requirements. Procedure EPRI-NDEC-UT-X
G04.001.012 Class A	1HP-190-12 Circumferential	51A	1HP-190	See Com	UT Pipe to Elbow	SS	2.500 0.375		Inspect 100% of weld & 1" of base material (axial & circumferential). This weld was 1-51A-5-77C until iso 1-51A-5 was deleted and welds transferred to iso 1HP-190. Reference Section 7 of the ISI Plan, General Requirements. Procedure EPRI-NDEC-UT-X
G04.001.015 Class A	1HP-190-16 Circumferential	51A	1HP-190 O-ISIN4-101A-1.4	See Com	UT Pipe to Valve 1HP-488	SS	2.500 0.375		Inspect 100% of weld & 1" of base material (axial & circumferential). Reference Section 7 of the ISI Plan, Volume 1. Procedure EPRI-NDEC-UT-X
G04.001.016 Class A	1HP-190-13 Circumferential	51A	1HP-190 O-ISIN4-101A-1.4	See Com	UT Elbow to Pipe	SS	2.500 0.375		Inspect 100% of weld & 1" of base material (axial & circumferential). Reference Section 7 of the ISI Plan, General Requirements. Procedure EPRI-NDEC-UT-X
G04.001.017 Class A	1HP-279-4 Circumferential	51A	1HP-279 O-ISIN4-101A-1.4	See Com	UT Elbow to Pipe	SS	2.500 0.375		Inspect 100% of weld & 1" of base material (axial & circumferential). This weld was 1-51A-10-4 until iso 1-51A-10 was deleted and welds tranferred to iso 1HP-279. Reference Section 7 of the ISI Plan, General Requirements. Procedure EPRI-NDEC-UT-X
G04.001.018 Class A	1HP-279-3 Circumferential	51A	1HP-279 O-ISIN4-101A-1.4	See Com	UT Elbow to Pipe	SS	2.500 0.375		Inspect 100% of weld & 1" of base material (axial & circumferential). This weld was 1-51A-10-3 until iso 1-51A-10 was deleted and welds tranferred to iso 1HP-279. Reference Section 7 of the ISI Plan, General Requirements. Procedure EPRI-NDEC-UT-X
G04.001.019 Class A	1HP-279-24 Circumferential	51A	1HP-279 O-ISIN4-101A-1.4	See Com	UT Pipe to Valve 1HP-489	SS	2.500 0.375		Inspect 100% of weld & 1" of base material (axial & circumferential). Reference Section 7 of the ISI Plan, General Requirements. Procedure EPRI-NDEC-UT-X

CATEGORY AUG, Augmented Inspections

DUKE ENERGY CORPORATION
INSERVICE INSPECTION PLAN MANAGEMENT
Inservice Inspection Database Management System
Oconee 1
Inservice Inspection Plan for Interval 4 Outage 3

Thermal Stress Piping Examinations

ITEM NUMBER	ID NUMBER	SYS	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
G04.001.021	1HP-277-42C		1HP-277	See Com	UT	SS	2.500		Inspect 100% of weld & 1" of base material (axial &
	Circumferential	51A	O-ISIN4-101A-1.4				0.375		circumferential). This weld was 1-51A-04-42C until
Class A					Pipe to				iso 1-51A-04 was deleted and welds transferred to
					Elbow				iso 1HP-277. Reference Section 7 of the ISI Plan,
									General Requirements.
									Procedure EPRI-NDEC-UT-X
G04.001.022	1HP-277-43C		1HP-277	See Com	UT	SS	2.500		Inspect 100% of weld & 1" of base material (axial &
	Circumferential	51A	O-ISIN4-101A-1.4				0.375		circumferential). This weld was 1-51A-04-43C until
Class A					Elbow to				iso 1-51A-04 was deleted and welds tranferred to
					Pipe				iso 1-HP-277. Reference Section 7 of the ISI Plan,
									General Requirements.
									Procedure EPRI-NDEC-UT-X
G04.001.023	1HP-277-52		1HP-277	See Com	UT	SS	2.500		Inspect 100% of weld & 1" of base material (axial &
	Circumferential	51A	O-ISIN4-101A-1.4				0.375		circumferential). Reference Section 7 of the ISI
Class A					Pipe to				Plan, General Requirements.
					Valve 1HP-486				Procedure EPRI-NDEC-UT-X
G04.001.025	1HP-278-22C		1HP-278	See Com	UT	SS	2.500		Inspect 100% of weld & 1" of base material (axial &
	Circumferential	51A	O-ISIN4-101A-1.4				0.375		circumferential). This weld was 1-51A-04-22C until
Class A					Pipe to				iso 1-51A-04 was deleted welds tranferred to
					Elbow				1-HP-278. Reference Section 7 of the ISI Plan,
									General Requirements.
									Procedure EPRI-NDEC-UT-X
G04.001.026	1HP-278-23C		1HP-278	See Com	UT	SS	2.500		Inspect 100% of weld & 1" of base material (axial &
	Circumferential	51A	O-ISIN4-101A-1.4				0.375		circumferential). This weld was 1-51A-04-23C until
Class A					Elbow to				iso 1-51A-04 was deleted and welds transferred to
					Pipe				iso 1-HP-278. Reference Section 7 of the ISI Plan,
									General Requirements.
									Procedure EPRI-NDEC-UT-X
G04.001.027	1HP-278-24		1HP-278	See Com	UT	SS	2.500		Inspect 100% of weld & 1" of base material (axial &
	Circumferential	51A	O-ISIN4-101A-1.4				0.375		circumferential). Reference Section 7 of the ISI
Class A					Pipe to				Plan, General Requirements.
					Valve 1HP-487				Procedure EPRI-NDEC-UT-X

Total G04.001 Items: 13

Total G04 Items: 13

CATEGORY AUG, Augmented Inspections

DUKE ENERGY CORPORATION
INSERVICE INSPECTION PLAN MANAGEMENT
Inservice Inspection Database Management System
Oconee 1
Inservice Inspection Plan for Interval 4 Outage 3

Class 1 RTE Mounting Bosses

ITEM NUMBER	ID NUMBER	SYS	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
G10.001.001	1-PHA-13		ISI-OCN1-005	NDE-35	PT	CS-Inconel	9.000		RTE Mounting Boss. This weld covers the X axis. The diameter of the hole that penetrates the nozzle into the Hot Leg = .613". Reference Section 7 of the ISI Plan, General Requirements.
	Circumferential	50	OM-201-2296				2.875		
Class A					Pipe to Pipe				
	Dissimilar								
G10.001.002	1-PHA-14		ISI-OCN1-005	NDE-35	PT	CS-Inconel	9.000		RTE Mounting Boss. This weld covers the Y-Z Quadrant. The diameter of the hole that penetrates the nozzle into the Hot Leg = .613". Reference Section 7 of the ISI Plan, General Requirements.
	Circumferential	50	OM-201-2296				2.875		
Class A					Pipe to Pipe				
	Dissimilar								
G10.001.003	1-PHA-15		ISI-OCN1-005	NDE-35	PT	CS-Inconel	9.000		RTE Mounting Boss. This weld covers the Z-W Quadrant. The diameter of hole that penetrates the nozzle into the Hot Leg = .613". Reference Section 7 of the ISI Plan, General Requirements.
	Circumferential	50	OM-201-2296				2.875		
Class A					Pipe to Pipe				
	Dissimilar								
G10.001.010	1-PIB2-12		ISI-OCN1-010	NDE-35	PT	CS-Inconel	8.750		RTE Mounting Pipe. This weld covers the Z-W Quadrant. The diameter of hole that penetrates the nozzle into the RCP 1B2 Suction Piping = .613". Reference Section 7 of the ISI Plan, General Requirements.
	Branch	50	OM-201-1845				2.250		
Class A					Salvaged Pipe to Pipe				
	Dissimilar								

Total G10.001 Items: 4

Total G10 Items: 4

Duke Power Company

Inservice Inspection Management

Inservice Inspection Plan For:

Oconee Unit 1

Interval 4

ISI Outage 4

Refueling Outage **EOC 25**

ISI Examination Listing and Schedule

Revision 0

DUKE ENERGY CORPORATION
INSERVICE INSPECTION PLAN MANAGEMENT
Inservice Inspection Database Management System

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

Steam Generators (Primary Side)

Oconee 1

Inservice Inspection Plan for Interval 4 Outage 4

ITEM NUMBER	ID NUMBER	SYS	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
****** Tubesheet-to-Head Weld ******									
B02.040.002	1-SGB-WG58-2		ISI-OCN1-004	NDE-820	UT	CS	119.000	40393	Steam Generator 1B Lower Head to Lower
	Circumferential	50	OM-201-1873	NDE-640			8.500		Tubesheet. Pc. 7 to Pc. 50.
Class A					Head to Tubesheet				

Total B02.040 Items: 1

Total B02 Items: 1

CATEGORY B-D, Full Penetration Welded Nozzles In Vessels - Inspection Program B

Pressurizer

DUKE ENERGY CORPORATION
INSERVICE INSPECTION PLAN MANAGEMENT
Inservice Inspection Database Management System

Oconee 1

Inservice Inspection Plan for Interval 4 Outage 4

ITEM NUMBER	ID NUMBER	SYS	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
****** Nozzle-to-Vessel Welds ******									
B03.110.009	1-PZR-WP26-1		ISI-OCN1-002	NDE-640	UT	CS	5.750	40338	Pressurizer Sensing and Sampling Nozzle Pc. 30 to Heater Belt Shell Pc. 4. W-X Quadrant.
	Circumferential	50	OM-201-91	NDE-820			6.187		
Class A			OM-201-1878		Nozzle to Shell				
B03.110.010	1-PZR-WP26-2		ISI-OCN1-002	NDE-640	UT	CS	5.750	40338	Pressurizer Sensing and Sampling Nozzle Pc. 30 to Heater Belt Shell Pc. 4. Y-Z Quadrant.
	Circumferential	50	OM-201-91	NDE-820			6.187		
Class A			OM-201-1878		Nozzle to Shell				

Total B03.110 Items: 2

CATEGORY B-D, Full Penetration Welded Nozzles In Vessels - Inspection Program B

[redacted] Pressurizer

DUKE ENERGY CORPORATION
INSERVICE INSPECTION PLAN MANAGEMENT
Inservice Inspection Database Management System
Oconee 1
Inservice Inspection Plan for Interval 4 Outage 4

ITEM NUMBER	ID NUMBER	SYS	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
****** Nozzle Inside Radius Section ******									
B03.120.009	1-PZR-WP26-1		ISI-OCN1-002	NDE-680	UT	CS	5.750	50237E	Pressurizer Sensing and Sampling Nozzle Pc. 30 to Shell Pc. 4. W-X Quadrant. (Inside Radius Section) Cal Bock 40338
		50	OM-201-91				2.531	50237F	
Class A			OM-201-1878		Nozzle to Shell				
B03.120.010	1-PZR-WP26-2		ISI-OCN1-002	NDE-680	UT	CS	5.750	50237E	Pressurizer Sensing and Sampling Nozzle Pc. 30 to Shell Pc. 4. Y-Z Quadrant. (Inside Radius Section) Cal Block 40338
		50	OM-201-91				2.531	50237F	
Class A			OM-201-1878		Nozzle to Shell				

Total B03.120 Items: 2

DUKE ENERGY CORPORATION
INSERVICE INSPECTION PLAN MANAGEMENT
Inservice Inspection Database Management System

CATEGORY B-D, Full Penetration Welded Nozzles In Vessels - Inspection Program B

Steam Generators (Primary Side)

Oconee 1

Inservice Inspection Plan for Interval 4 Outage 4

ITEM NUMBER	ID NUMBER	SYS	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
****** Nozzle-to-Vessel Welds ******									
B03.130.003	1-SGB-WG50-2		ISI-OCN1-004	NDE-820	UT	CS	38.380	40393	Steam Generator 1B Outlet Nozzle Pc. 65 to Lower Head Pc. 7. W-Z Quadrant.
	Circumferential	50	OM-201-1873	NDE-640			8.000		
Class A			146467E		Nozzle to Head				
B03.130.004	1-SGB-WG50-1		ISI-OCN1-004	NDE-820	UT	CS	38.380	40393	Steam Generator 1B Outlet Nozzle Pc.65 to Lower Head Pc. 7. Y-Z Quadrant.
	Circumferential	50	OM-201-1873	NDE-640			8.000		
Class A			146467E		Nozzle to Head				

Total B03.130 Items: 2

CATEGORY B-D, Full Penetration Welded Nozzles In Vessels - Inspection Program B

[redacted] Steam Generators (Primary Side)

DUKE ENERGY CORPORATION
INSERVICE INSPECTION PLAN MANAGEMENT
Inservice Inspection Database Management System
Oconee 1
Inservice Inspection Plan for Interval 4 Outage 4

ITEM NUMBER	ID NUMBER	SYS	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
****** Nozzle Inside Radius Section ******									
B03.140.003	1-SGB-WG50-2	50	ISI-OCN1-004 OM-201-1873 146467E	TBD	VT-1 Nozzle to Head	CS	38.380 8.000	40393	Steam Generator 1B Outlet Nozzle Pc. 65 to Lower Head Pc. 7. W-Z Quadrant. (Inside Radius Section) Enhanced VT-1 Inspection is required in lieu of UT inspection.
Class A									
B03.140.004	1-SGB-WG50-1	50	ISI-OCN1-004 OM-201-1873 146467E	TBD	VT-1 Nozzle to Head	CS	38.380 8.000	40393	Steam Generator 1B Outlet Nozzle Pc. 65 to Lower Head Pc. 7. Y-Z Quadrant. (Inside Radius Section) Enhanced VT-1 Inspection is required in lieu of UT inspection.
Class A									

Total B03.140 Items: 2

CATEGORY B-D, Full Penetration Welded Nozzles In Vessels - Inspection Program B

Heat Exchangers (Primary Side)

DUKE ENERGY CORPORATION
INSERVICE INSPECTION PLAN MANAGEMENT
Inservice Inspection Database Management System
Oconee 1
Inservice Inspection Plan for Interval 4 Outage 4

ITEM NUMBER	ID NUMBER	SYS	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
****** Nozzle-to-Vessel Welds ******									
B03.150.003	1-LDCB-IN-V1		1-53755	NDE-3630	UT	SS	3.000	40411	Letdown Cooler 1B Tubeside Inlet Nozzle Pc. 5 to Channel Body Pc. 3.
	Circumferential	51A	OM-201-2991				0.875		
Class A					Nozzle to Channel Body				
B03.150.004	1-LDCB-OUT-V2		1-53755	NDE-3630	UT	SS	3.000	40411	Letdown Cooler 1B Tubeside Outlet Nozzle Pc. 5 to Channel Body Pc. 3.
	Circumferential	51A	OM-201-2991				0.875		
Class A					Nozzle to Channel Body				

Total B03.150 Items: 2

CATEGORY B-D, Full Penetration Welded Nozzles In Vessels - Inspection Program B

Heat Exchangers (Primary Side)

DUKE ENERGY CORPORATION
INSERVICE INSPECTION PLAN MANAGEMENT
Inservice Inspection Database Management System
Oconee 1
Inservice Inspection Plan for Interval 4 Outage 4

ITEM NUMBER	ID NUMBER	SYS	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
****** Nozzle Inside Radius Section ******									
B03.160.003	1-LDCB-IN-V1	51A	1-53755 OM-201-2991	TBD	UT Nozzle to Channel Body	SS	3.000 0.875	TBD	Letdown Cooler 1B Tubeside Inlet Nozzle Pc. 5 to Channel Body Pc. 3. (Inside Radius Section). This item will not be examined, reference Section 9 for Request for Relief.
Class A									
B03.160.004	1-LDCB-OUT-V2	51A	1-53755 OM-201-2991	TBD	UT Nozzle to Channel Body	SS	3.000 0.875	TBD	Letdown Cooler 1B Tubeside Outlet Nozzle Pc. 5 to Channel Body Pc. 3. (Inside Radius Section). This item will not be examined, reference Section 9 for Request for Relief.
Class A									

Total B03.160 Items: 2

Total B03 Items: 12

DUKE ENERGY CORPORATION
INSERVICE INSPECTION PLAN MANAGEMENT
Inservice Inspection Database Management System

CATEGORY B-G-1, Pressure Retaining Bolting, Greater Than 2 in. In Diameter

[redacted] Pressurizer

Oconee 1

Inservice Inspection Plan for Interval 4 Outage 4

ITEM NUMBER	ID NUMBER	SYS	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
****** Bolts and Studs ******									
B06.060.001	1-PZR-STUDS		OM-201-1262	See Com	UT	CS	2.750 0.000	40425	Pressurizer Manway Studs Pc. 67. 12 Studs, Stud Length = 14.875. Procedure # PDI-UT-5.
Class A									

Total B06.060 Items: 1

DUKE ENERGY CORPORATION
INSERVICE INSPECTION PLAN MANAGEMENT
Inservice Inspection Database Management System

Oconee 1

Inservice Inspection Plan for Interval 4 Outage 4

CATEGORY B-G-1, Pressure Retaining Bolting, Greater Than 2 in. In Diameter

[redacted] Pressurizer

ITEM NUMBER	ID NUMBER	SYS	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
****** Flange Surface, when connection disassembled ******									
B06.070.001	1-PZR-MW-FLANGE		OM-201-1026	QAL-13	VT-1	CS	28.000 0.000		Pressurizer Manway Flange Surface. Examination Includes 1" Annular Surface Surrounding Each Stud. (Inspect when connection disassembled)
Class A									

Total B06.070 Items: 1

CATEGORY B-G-1, Pressure Retaining Bolting, Greater Than 2 in. In Diameter

Pumps

DUKE ENERGY CORPORATION
INSERVICE INSPECTION PLAN MANAGEMENT
Inservice Inspection Database Management System
Oconee 1
Inservice Inspection Plan for Interval 4 Outage 4

ITEM NUMBER	ID NUMBER	SYS	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
****** Flange Surface, when connection disassembled ******									
B06.190.001	1-RCP-1A1-FLANGE		OM-201.D-35 OM-201.D-38	QAL-13	VT-1	SS	77.000 0.000		Reactor Coolant Pump 1A1 Main Flange. Examination includes 1" annular surface of flange surrounding each stud. (Inspect when connection disassembled)
Class A			OM-201-1148						
B06.190.002	1-RCP-1A2-FLANGE		OM-201.D-35 OM-201.D-38	QAL-13	VT-1	SS	77.000 0.000		Reactor Coolant Pump 1A2 Main Flange. Examination includes 1" annular surface of flange surrounding each stud. (Inspect when connection disassembled)
Class A			OM-201-1148						
B06.190.003	1-RCP-1B1-FLANGE		OM-201.D-35 OM-201.D-38	QAL-13	VT-1	SS	77.000 0.000		Reactor Coolant Pump 1B1 Main Flange. Examination includes 1" annular surface of flange surrounding each stud. (Inspect when connection disassembled)
Class A			OM-201-1148						
B06.190.004	1-RCP-1B2-FLANGE		OM-201.D-35 OM-201.D-38	QAL-13	VT-1	SS	77.000 0.000		Reactor Coolant Pump 1B2 Main Flange. Examination includes 1" annular surface of flange surrounding each stud. (Inspect when connection disassembled)
Class A			OM-201-1148						

Total B06.190 Items: 4

Total B06 Items: 6

DUKE ENERGY CORPORATION
INSERVICE INSPECTION PLAN MANAGEMENT
Inservice Inspection Database Management System
Oconee 1

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

[redacted] Pressurizer

Inservice Inspection Plan for Interval 4 Outage 4

ITEM NUMBER	ID NUMBER	SYS	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
****** Bolts, Studs, and Nuts ******									
B07.020.002	1-PZR-CHB-STUDS		OM-201-9	QAL-13	VT-1	CS	2.000		Pressurizer Center Heater Bundle Studs Pc. 75 and nuts. 16 Studs, Length = 17.875. Examine all studs and nuts.
			OM-201-1262				0.000		
Class A									

Total B07.020 Items: 1

DUKE ENERGY CORPORATION
INSERVICE INSPECTION PLAN MANAGEMENT
Inservice Inspection Database Management System

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

[redacted] Valves

Oconee 1

Inservice Inspection Plan for Interval 4 Outage 4

ITEM NUMBER	ID NUMBER	SYS	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
****** Bolts, Studs, and Nuts ******									
B07.070.007	1-53A-LP1-STUDS		OM-245-2054-001	QAL-13	VT-1	CS	1.000		Decay Heat Suction 12" Valve 1LP -1 Bolting.
		53A	O-ISIN4-102A-1.1				0.000		Inspect one of the following valves: 1LP-1 or 1LP-2.
Class A									Examine all studs and nuts.

Total B07.070 Items: 1

DUKE ENERGY CORPORATION
INSERVICE INSPECTION PLAN MANAGEMENT
Inservice Inspection Database Management System

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

[redacted]CRD Housings

Oconee 1

Inservice Inspection Plan for Interval 4 Outage 4

ITEM NUMBER	ID NUMBER	SYS	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
**** Bolts, Studs, and Nuts ****									
B07.080.001	1-RPV-CRD-HOUSING		OM-201-2186	QAL-13	VT-1	CS	1.250		CRD Housing includes Bolts (8 bolts on each connection) and Housing Rings (1 pair per housing.) Inspect only if disassembled. Inspect only bolting that is to be reused.
			DPS 706599-1056				0.000		
Class A			B&W152006E						

Total B07.080 Items: 1

Total B07 Items: 3

CATEGORY B-J, Pressure Retaining Welds In Piping

NPS 4 or Larger

DUKE ENERGY CORPORATION
INSERVICE INSPECTION PLAN MANAGEMENT
Inservice Inspection Database Management System
Oconee 1
Inservice Inspection Plan for Interval 4 Outage 4

ITEM NUMBER	ID NUMBER	SYS	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
****** Circumferential Welds ******									
B09.011.001	1-51A-04-3C		1-51A-04	NDE-600	UT	SS	4.000	40406	Procedure PDI-UT-2 may be used.
	Circumferential	51A	O-ISIN4-101A-1.4				0.531		
Class A					Pipe to Elbow				
B09.011.001A	1-51A-04-3C		1-51A-04	NDE-35	PT	SS	4.000		
	Circumferential	51A	O-ISIN4-101A-1.4				0.531		
Class A					Pipe to Elbow				
B09.011.003	1-53A-01-21L		1-53A-01(2)	NDE-600	UT	SS	10.000	40399	Procedure PDI-UT-2 may be used.
	Circumferential	53A	O-ISIN4-102A-1.3				1.000		
Class A					Elbow to Pipe				
B09.011.003A	1-53A-01-21L		1-53A-01(2)	NDE-35	PT	SS	10.000		
	Circumferential	53A	O-ISIN4-102A-1.3				1.000		
Class A					Elbow to Pipe				
B09.011.004	1-53A-01-28L		1-53A-01(2)	NDE-600	UT	SS	10.000	40399	Procedure PDI-UT-2 may be used.
	Circumferential	53A	O-ISIN4-102A-1.3				1.000		
Class A					Pipe to Elbow				
B09.011.004A	1-53A-01-28L		1-53A-01(2)	NDE-35	PT	SS	10.000		
	Circumferential	53A	O-ISIN4-102A-1.3				1.000		
Class A					Pipe to Elbow				
B09.011.005	1-53A-01-6L		1-53A-01(2)	NDE-600	UT	SS	14.000	40389	Procedure PDI-UT-2 may be used.
	Circumferential	53A	O-ISIN4-102A-1.3				1.250		
Class A					Elbow to Pipe				
B09.011.005A	1-53A-01-6L		1-53A-01(2)	NDE-35	PT	SS	14.000		
	Circumferential	53A	O-ISIN4-102A-1.3				1.250		
Class A					Elbow to Pipe				

CATEGORY B-J, Pressure Retaining Welds In Piping

[redacted] NPS 4 or Larger

DUKE ENERGY CORPORATION
INSERVICE INSPECTION PLAN MANAGEMENT
Inservice Inspection Database Management System
Oconee 1
Inservice Inspection Plan for Interval 4 Outage 4

ITEM NUMBER	ID NUMBER	SYS	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
B09.011.006	1-53A-01-8L		1-53A-01(2)	NDE-600	UT	SS	14.000	40389	Procedure PDI-UT-2 may be used.
	Circumferential	53A	O-ISIN4-102A-1.3				1.250		
Class A					Elbow to Valve 1CF-13				
B09.011.006A	1-53A-01-8L		1-53A-01(2)	NDE-35	PT	SS	14.000		
	Circumferential	53A	O-ISIN4-102A-1.3				1.250		
Class A					Elbow to Valve 1CF-13				
B09.011.014	1-53A-02-63L		1-53A-02(2)	NDE-600	UT	SS	10.000	40399	Procedure PDI-UT-2 may be used.
	Circumferential	53A	O-ISIN4-102A-1.3				1.000		
Class A					Pipe to Elbow				
B09.011.014A	1-53A-02-63L		1-53A-02(2)	NDE-35	PT	SS	10.000		
	Circumferential	53A	O-ISIN4-102A-1.3				1.000		
Class A					Pipe to Elbow				
B09.011.018	1-PDA2-2		ISI-OCN1-012	See Com	UT	SS-CS	33.500	40350	Reactor Coolant Pump 1A2 Discharge Piping. Safe
	Circumferential	50	O-ISIN4-100A-1.1				2.330	40397	End Pc. 213 to 13 Degree Elbow Pc. 212.
Class A			OM-201-1844		Safe End to Elbow				Procedure PDI-UT-10
	Dissimilar								
B09.011.018A	1-PDA2-2		ISI-OCN1-012	NDE-35	PT	SS-CS	33.500		Reactor Coolant Pump 1A2 Discharge Piping. Safe
	Circumferential	50	O-ISIN4-100A-1.1				2.330		End Pc. 213 to 13 Degree Elbow Pc. 212.
Class A			OM-201-1844		Safe End to Elbow				
	Dissimilar								
B09.011.034	1-PIA2-7		ISI-OCN1-008	See Com	UT	SS-CS	33.500	40350	Reactor Coolant Pump 1A2 Suction Piping.
	Circumferential	50	O-ISIN4-100A-1.1				2.330	40397	Transition Pc. 210 to Salvaged Pipe Pc. 215.
Class A	Stress weld		OM-201-1845		Transition Piece to Pipe				Procedure PDI-UT-10
	Dissimilar								
B09.011.034A	1-PIA2-7		ISI-OCN1-008	NDE-35	PT	SS-CS	33.500		Reactor Coolant Pump 1A2 Suction Piping.
	Circumferential	50	O-ISIN4-100A-1.1				2.330		Transition Pc. 210 to Salvaged Pipe Pc. 215.
Class A	Stress weld		OM-201-1845		Transition Piece to Pipe				
	Dissimilar								
B09.011.058	1-PIA2-9		ISI-OCN1-008	NDE-600	UT	SS	36.500	40397	Procedure PDI-UT-2 may be used.
	Circumferential	50	OM-201-1846				2.330		
Class A	Term end / Stress weld				Safe end to RC Pump 1A2				

CATEGORY B-J, Pressure Retaining Welds In Piping

NPS 4 or Larger

DUKE ENERGY CORPORATION
INSERVICE INSPECTION PLAN MANAGEMENT
Inservice Inspection Database Management System
Oconee 1
Inservice Inspection Plan for Interval 4 Outage 4

ITEM NUMBER	ID NUMBER	SYS	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
B09.011.058A	1-PIA2-9		ISI-OCN1-008	NDE-35	PT	SS	36.500		
	Circumferential	50	OM-201-1846				2.330		
Class A	Term end / Stress weld				Safe end to RC Pump 1A2				

Total B09.011 Items: 18

CATEGORY B-J, Pressure Retaining Welds In Piping

Less Than NPS 4

DUKE ENERGY CORPORATION
INSERVICE INSPECTION PLAN MANAGEMENT
Inservice Inspection Database Management System
Oconee 1
Inservice Inspection Plan for Interval 4 Outage 4

ITEM NUMBER	ID NUMBER	SYS	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
****** Circumferential Welds ******									
B09.021.007	1-51A-05-59C		1-51A-05	NDE-35	PT	SS	2.500		
	Circumferential	51A	O-ISIN4-101A-1.4				0.375		
Class A					Pipe to Elbow				
B09.021.008	1-51A-05-65C		1-51A-05	NDE-35	PT	SS	2.500		
	Circumferential	51A	O-ISIN4-101A-1.4				0.375		
Class A					Pipe to Elbow				
B09.021.014	1-51A-134A-43		1-51A-134A	NDE-35	PT	SS	3.000		Letdown Cooler 1A Inlet Channel Nozzle Pc. 5 to Elbow.
	Circumferential	51A	O-ISIN4-101A-1.1				0.438		
Class A	Term end		OM-201-3107		Nozzle to Elbow				
B09.021.017	1-51A-136-36		1-51A-136	NDE-35	PT	SS	3.000		Letdown Cooler 1A Outlet Channel Nozzle Pc. 5 to Pipe.
	Circumferential	51A	O-ISIN4-101A-1.1				0.438		
Class A	Term end		OM-201-3107		Nozzle to Pipe				
B09.021.025	1-PIA2-11		ISI-OCN1-008	NDE-35	PT	CS-Inconel	3.500		Reactor Coolant Pump 1A2 Suction Piping. Drain Nozzle Pc. 64 to Safe End Pc. 65.
	Circumferential	50	O-ISIN4-100A-1.1				0.816		
Class A			OM-201-1870		Nozzle to Safe End				
	Dissimilar								
B09.021.034	1-PSP-6		ISI-OCN1-016	NDE-35	PT	SS	2.875		
	Circumferential	50	O-ISIN4-100A-1.2			160	0.375		
Class A	Stress weld				Elbow to Tee				
B09.021.035	1-PSP-8		ISI-OCN1-016	NDE-35	PT	SS	2.875		
	Circumferential	50	O-ISIN4-100A-1.2			160	0.375		
Class A	Stress weld				Pipe to Valve 1RC-3				
B09.021.045	1LP-102-10		1LP-102	NDE-35	PT	SS	3.000		
	Circumferential	53A	O-ISIN4-102A-1.1				0.438		
Class A					Valve 1LP-104 to Pipe				

CATEGORY B-J, Pressure Retaining Welds In Piping

Less Than NPS 4

DUKE ENERGY CORPORATION
INSERVICE INSPECTION PLAN MANAGEMENT
Inservice Inspection Database Management System
Oconee 1
Inservice Inspection Plan for Interval 4 Outage 4

ITEM NUMBER	ID NUMBER	SYS	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
B09.021.051	1RC-201-101		1RC-201	NDE-35	PT	SS	2.500		Pump 1B1 Discharge Piping. Pipe to Pressure Injection Nozzle Safe End Pc. 47. This weld was listed previously as 1-51A-11-89 until iso 1-51A -11 (3) was redrawn. Revision 2 to isometric changed weld number from 1RC-201-3. Inspect with G02.001.008C.
	Circumferential	51A	O-ISIN4-101A-1.4				0.375		
Class A	Stress weld		ISI-OCN1-013		Pipe to Safe-End				
B09.021.052	1RC-201-105		1RC-201	NDE-35	PT	SS	2.500		Pump 1B2 Discharge Piping. Pipe to Pressure Injection Nozzle Safe End Pc. 47. This weld was listed previously as 1-51A-11-87 until iso 1-51A-11 was redrawn. Revision 2 to isometric changed weld number from 1RC-201-2. Weld 1-51A-11-87 was deleted and weld 1RC-201-102 replaced it. Weld 1RC-201-102 was deleted and weld 1RC-201-105 replaced it. Inspect G02.001.008D.
	Circumferential	51A	O-ISIN4-101A-1.4				0.375		
Class A	Stress weld		ISI-OCN1-014		Pipe to Safe-End				
B09.021.054	1RC-201-92		1RC-201	NDE-35	PT	SS	2.500		This weld was listed previously as 1-51A-11-88 until iso 1-51A-11 was redrawn. Revision 2 to isometric changed weld number from 1RC-201-1.Weld 1-51A-11-88 was deleted and weld 1RC-201-92 replaced it. Inspect withG02.001.010D.
	Circumferential	51A	O-ISIN4-101A-1.4				0.375		
Class A	Stress weld				Pipe to Valve 1HP-152				

Total B09.021 Items: 11

DUKE ENERGY CORPORATION
INSERVICE INSPECTION PLAN MANAGEMENT
Inservice Inspection Database Management System

Oconee 1

Inservice Inspection Plan for Interval 4 Outage 4

CATEGORY B-J, Pressure Retaining Welds In Piping

Branch Pipe Connection Welds

ITEM NUMBER	ID NUMBER	SYS	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
**** Less Than NPS 4 ****									
B09.032.003	1-PDA2-10		ISI-OCN1-012	NDE-25	MT	CS	12.000		28" ID Pipe Pc. 44 to Pressure Injection Nozzle Pc. 46. The NPS of the branch piping is 2.5 inches.
	Branch	50	O-ISIN4-100A-1.1				2.250		
Class A	Stress weld		OM-201-597		Pipe to Nozzle				
B09.032.004	1-PDB1-10		ISI-OCN1-013	NDE-25	MT	CS	12.000		28" ID Pipe Pc. 44 to Pressure Injection Nozzle Pc. 46. The NPS of the branch piping is 2.5 inches.
	Branch	50	O-ISIN4-100A-1.1				2.250		
Class A	Stress weld		OM-201-597		Pipe to Nozzle				

Total B09.032 Items: 2

CATEGORY B-J, Pressure Retaining Welds In Piping

Socket Welds

DUKE ENERGY CORPORATION
INSERVICE INSPECTION PLAN MANAGEMENT
Inservice Inspection Database Management System
Oconee 1
Inservice Inspection Plan for Interval 4 Outage 4

ITEM NUMBER	ID NUMBER	SYS	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
B09.040.001	1-50-01-179		1-50-01(1)	NDE-35	PT	SS	1.500		
	Socket	50	O-ISIN4-100A-1.1			160	0.281		
Class A					Pipe to Elbow				
B09.040.002	1-50-01-183		1-50-01(1)	NDE-35	PT	SS	1.500		
	Socket	50	O-ISIN4-100A-1.1			160	0.281		
Class A					Pipe to Valve 1RC-29				
B09.040.003	1-50-01-206		1-50-01(1)	NDE-35	PT	SS	1.500		
	Socket	50	O-ISIN4-100A-1.1			160	0.281		
Class A					Pipe to Valve 1RC-24				
B09.040.004	1-50-01-209		1-50-01(1)	NDE-35	PT	SS	1.500		
	Socket	50	O-ISIN4-100A-1.1			160	0.281		
Class A					Pipe to Elbow				
B09.040.008	1-51A-135-25		1-51A-135	NDE-35	PT	SS	2.000		
	Socket	51A	O-ISIN4-101A-1.1				3.440		
Class A					Elbow to Pipe				

Total B09.040 Items: 5

Total B09 Items: 36

CATEGORY B-K, Welded Attachments For Vessels, Piping, Pumps, And Valves

DUKE ENERGY CORPORATION
INSERVICE INSPECTION PLAN MANAGEMENT
Inservice Inspection Database Management System
Oconee 1
Inservice Inspection Plan for Interval 4 Outage 4

[redacted] Piping

ITEM NUMBER	ID NUMBER	SYS	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
****** Welded Attachments ******									
B10.020.011	1-53-0-479A-H2		1-53-07/sht.1	NDE-35	PT	NA	0.000		Calculation No. OSC-1301-06 , page 91. Inspect with F01.011.005.
	Rigid Restraint	53	O-ISIN4-102A-1.1				0.750		
Class A									
B10.020.026	1-59-0-478A-H33		1-59-03/sht.2	NDE-35	PT	NA	0.000		Calculation No. OSC-1311-06.
	Rigid Support	59	O-ISIN4-100A-1.1				0.375		
Class A									

Total B10.020 Items: 2

Total B10 Items: 2

CATEGORY B-L-2, Pump Casings

DUKE ENERGY CORPORATION
INSERVICE INSPECTION PLAN MANAGEMENT
Inservice Inspection Database Management System
Oconee 1
Inservice Inspection Plan for Interval 4 Outage 4

Pumps

ITEM NUMBER	ID NUMBER	SYS	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
****** Pump Casing ******									
B12.020.001	1RCP-1A1-CASING		OM-201.D-35	QAL-14	VT-3	SS	77.000		Reactor Coolant Pump 1A1 Casing Internal Surfaces. (Inspect only if pump is disassembled for maintenance, repair, or volumetric examination)
		50	OM-201-1148				0.000		
Class A			ISI-OCN1-007						
B12.020.002	1RCP-1A2-CASING		OM-201.D-35	QAL-14	VT-3	SS	77.000		Reactor Coolant Pump 1A2 Casing Internal Surfaces. (Inspect only if pump is disassembled for maintenance, repair, or volumetric examination)
		50	OM-201-1148				0.000		
Class A			ISI-OCN1-008						
B12.020.003	1RCP-1B1-CASING		OM-201.D-35	QAL-14	VT-3	SS	77.000		Reactor Coolant Pump 1B1 Casing Internal Surfaces. (Inspect only if pump is disassembled for maintenance, repair, or volumetric examination)
		50	OM-201-1148				0.000		
Class A			ISI-OCN1-009						
B12.020.004	1RCP-1B2-CASING		OM-201.D-35	QAL-14	VT-3	SS	77.000		Reactor Coolant Pump 1B2 Casing Internal Surfaces. (Inspect only if pump is disassembled for maintenance, repair, or volumetric examination)
		50	OM-201-1148				0.000		
Class A			ISI-OCN1-010						

Total B12.020 Items: 4

CATEGORY B-M-2, Valve Body

DUKE ENERGY CORPORATION
INSERVICE INSPECTION PLAN MANAGEMENT
Inservice Inspection Database Management System
Oconee 1
Inservice Inspection Plan for Interval 4 Outage 4

Valves

ITEM NUMBER	ID NUMBER	SYS	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
****** Valve Body, Exceeding NPS 4 ******									
B12.050.001 Class A	1-53A-CF-11	53A	OM-245-0001 O-ISIN4-102A-1.3	QAL-14	VT-3	SS	14.000 0.000		A- Side Core Flood Valve Body 1CF-11 Internal Surfaces. W Axis. Inspect one of the following valves: 1CF-11, 1CF-12, 1CF-13, or 1CF-14 only if valve is disassembled for maintenance, repair, or volumetric examination.
B12.050.002 Class A	1-53A-CF-12	53A	OM-245-0001 O-ISIN4-102A-1.3	QAL-14	VT-3	SS	14.000 0.000		A- Side Core Flood Valve Body 1CF-12 Internal Surfaces. W Axis. Inspect one of the following valves: 1CF-11, 1CF-12, 1CF-13, or 1CF-14 only if valve is disassembled for maintenance, repair, or volumetric examination.
B12.050.003 Class A	1-53A-CF-13	53A	OM-245-0001 O-ISIN4-102A-1.3	QAL-14	VT-3	SS	14.000 0.000		B- Side Core Flood Valve Body 1CF-13 Internal Surfaces. Y Axis. Inspect one of the following valves: 1CF-11, 1CF-12, 1CF-13, or 1CF-14 only if valve is disassembled for maintenance, repair, or volumetric examination.
B12.050.004 Class A	1-53A-CF-14	53A	OM-245-0001 O-ISIN4-102A-1.3	QAL-14	VT-3	SS	14.000 0.000		B- Side Core Flood Valve Body 1CF-14 Internal Surfaces. Y Axis. Inspect one of the following valves: 1CF-11, 1CF-12, 1CF-13, or 1CF-14 only if valve is disassembled for maintenance, repair, or volumetric examination.
B12.050.005 Class A	1-53A-LP-47	53A	OM-245-0001 O-ISIN4-102A-1.2	QAL-14	VT-3	SS	10.000 0.000		B-Side LP1 Valve Body 1LP-47 Internal Surfaces. Inspect one of the following valves: 1LP-47 or 1LP-48 only if valve is disassembled for maintenance, repair, or volumetric examination.
B12.050.006 Class A	1-53A-LP-48	53A	OM-245-0001 O-ISIN4-102A-1.2	QAL-14	VT-3	SS	10.000 0.000		B-Side LP1 Valve Body 1LP-48 Internal Surfaces. Inspect one of the following valves: 1LP-47 or 1LP-48 only if valve is disassembled for maintenance, repair, or volumetric examination.
B12.050.007 Class A	1-53A-LP-1	53A	OM-245-2054 O-ISIN4-102A-1.1	QAL-14	VT-3	SS	12.000 0.000		Decay Heat Suction Valve Body 1LP-1 Internal Surfaces. Inspect one of the following valves: 1LP-1 or 1LP-2 only if valve is disassembled for maintenance, repair, or volumetric examination.

CATEGORY B-M-2, Valve Body

DUKE ENERGY CORPORATION
INSERVICE INSPECTION PLAN MANAGEMENT
Inservice Inspection Database Management System

Oconee 1

Inservice Inspection Plan for Interval 4 Outage 4

Valves

ITEM NUMBER	ID NUMBER	SYS	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
B12.050.008	1-53A-LP-2		OM-245-2055	QAL-14	VT-3	SS	12.000		Decay Heat Suction Valve Body 1LP-2 Internal Surfaces. Inspect one of the following valves: 1LP-1 or 1LP-2 only if valve is disassembled for maintenance, repair, or volumetric examination.
		53A	O-ISIN4-102A-1.1				0.000		
Class A									

Total B12.050 Items: 8

Total B12 Items: 12

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

Reactor Vessel

DUKE ENERGY CORPORATION
INSERVICE INSPECTION PLAN MANAGEMENT
Inservice Inspection Database Management System
Oconee 1
Inservice Inspection Plan for Interval 4 Outage 4

ITEM NUMBER	ID NUMBER	SYS	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
****** Welds In CRD Housing ******									
B14.010.002	1-RPV-CRD-46WH9		OM-201-2186	NDE-35	PT	SS-Inconel	4.025		CRDM #46 Housing Body to Adapter.
		50	O-ISIN4-100A-1.1				0.650		
Class A			OM-201-1059		Housing Body to Adapter				
B14.010.005	1-RPV-CRD-46W60		OM-2201-1085	NDE-35	PT	SS-CS	5.000		CRDM #46 Base to Motor Tube.
		50	O-ISIN4-100A-1.1				0.500		
Class A					Base to Motor Tube				
B14.010.008	1-RPV-CRD-46		OM-2201-1085	NDE-35	PT	SS-CS	4.300		CRDM #46 Motor Tube to Extension.
		50	O-ISIN4-100A-1.1				0.400		
Class A					Motor Tube to Extension				
B14.010.011	1-RPV-CRD-46W61		OM-2201-1085	NDE-35	PT	SS	4.190		CRDM #46 Extension to Cap.
		50	O-ISIN4-100A-1.1				0.380		
Class A					Extension to Cap				

Total B14.010 Items: 4

Total B14 Items: 4

DUKE ENERGY CORPORATION
INSERVICE INSPECTION PLAN MANAGEMENT
Inservice Inspection Database Management System

CATEGORY C-B, Pressure Retaining Nozzle Welds In Vessels

Nozzles Without Reinforcing Plate in Vessels > 1/2 In. Nom. Thickness

Oconee 1

Inservice Inspection Plan for Interval 4 Outage 4

ITEM NUMBER	ID NUMBER	SYS	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
****** Nozzle-to-Shell (Nozzle to Head or Nozzle to Nozzle) Weld ******									
C02.021.001	1-SGA-WG23-1		ISI-OCN1-003	NDE-640	UT	CS	29.000	40338	Steam Generator 1A Outlet Nozzle Pc. 14 to Shell Pc. 03. W-X Quadrant.
	Circumferential	03	OM-201-1873	NDE-820			6.750		
Class B			OM-201-0034		Nozzle to Shell				
C02.021.001A	1-SGA-WG23-1		ISI-OCN1-003	NDE-25	MT	CS	29.000		Steam Generator 1A Outlet Nozzle Pc. 14 to Shell Pc. 03. W-X Quadrant.
	Circumferential	03	OM-201-1873				6.750		
Class B			OM-201-0034		Nozzle to Shell				
Total C02.021 Items:	**2**								
****** Nozzle Inside Radius Section ******									
C02.022.001	1-SGA-WG23-1		ISI-OCN1-003	TBD	VT-1	CS	29.000	40338	Steam Generator 1A Outlet Nozzle Pc. 14 to Shell Pc. 03 (Inside Radius Section). W-X Quadrant. Enhanced VT-1 inspection will be performed in lieu of UT inspection.
		03	OM-201-1873				6.750		
Class B					Nozzle to Shell				
Total C02.022 Items:	**1**								
Total C02 Items:	**3**								

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

DUKE ENERGY CORPORATION
INSERVICE INSPECTION PLAN MANAGEMENT
Inservice Inspection Database Management System
Oconee 1
Inservice Inspection Plan for Interval 4 Outage 4

[redacted] Piping

ITEM NUMBER	ID NUMBER	SYS	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
****** Welded Attachments ******									
C03.020.011	1-03-0-479A-H1B		1-03-05/sht.2	NDE-25	MT	NA	0.000		Calculation No. OSC-1297-06. Inspect with F01.020.011.
	Rigid Support	03	O-ISIN4-121B-1.3				0.280		
Class B									
C03.020.041	1-14B-0-479A-H3		1-14-12	NDE-25	MT	NA	0.000		Calculation No. OSC-1306-06, page 6(3)-42. Support has 2 different weld attachments (3/4" plate and 3" pipe stanchion). Inspect with F01.021.044.
	Rigid Restraint	14B	O-ISIN4-124B-1.2				0.750		
Class B									
C03.020.091	1-53B-5-0-435-R8		1-53-02/sht.2	NDE-35	PT	NA	0.000		Calculation No. OSC-408. Inspect with F01.021.095.
	Rigid Restraint	53B	O-ISIN4-102A-1.2				1.000		
Class B			O-1AB-15302-02						
C03.020.092	1-53B-2-0-435B-H38		1-53-01/sht.1	NDE-35	PT	NA	0.000		Calculation No. OSC-407, page 104. Inspect with F01.021.093.
	Rigid Restraint	53B	O-ISIN4-102A-1.1				0.750		
Class B			O-1AB-15301-01						
C03.020.095	1-53B-5-0-436D-H23		1-53-02/sht.1	NDE-35	PT	NA	0.000		Calculation No. OSC-408. Inspect with F01.022.105.
	Spring Hgr	53B	O-ISIN4-102A-1.2				0.237		
Class B			O-1AB-15302-01						

Total C03.020 Items: 5

Total C03 Items: 5

DUKE ENERGY CORPORATION
INSERVICE INSPECTION PLAN MANAGEMENT
Inservice Inspection Database Management System
Oconee 1
Inservice Inspection Plan for Interval 4 Outage 4

CATEGORY C-D, Pressure Retaining Bolting Greater Than 2 in. In Diameter

Pumps

ITEM NUMBER	ID NUMBER	SYS	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
****** Bolts and Studs ******									
C04.030.001 Class B	1-HPI-PUMP-A	51A	OM-201-1704 O-ISIN4-101A-1.3	PDI-UT-5	UT	NA	2.500 0.000	40422	HPI Pump 1A Bolting on Pump Casing. 20 Studs, Length = 12.000. The bolting on one of the HPI Pumps(1A, 1B, 1C) is required to be examined. Due to inaccessibility disassembly is required, so therefore they will be scheduled for each outage. Examine upon disassembly for maintenance or disassembly will be required to complete the examination.
C04.030.002 Class B	1-HPI-PUMP-B	51A	OM-201-1704 O-ISIN4-101A-1.3	PDI-UT-5	UT	NA	2.500 0.000	40422	HPI Pump 1B Bolting on Pump Casing. 20 Studs, Length = 12.000. The bolting on one of the HPI Pumps(1A, 1B, 1C) is required to be examined. Due to inaccessibility disassembly is required, so therefore they will be scheduled for each outage. Examine upon disassembly for maintenance or disassembly will be required to complete the examination.
C04.030.003 Class B	1-HPI-PUMP-C	51A	OM-201-1704 O-ISIN4-101A-1.3	PDI-UT-5	UT	NA	2.500 0.000	40422	HPI Pump 1C Bolting on Pump Casing. 20 Studs, Length = 12.000. The bolting on one of the HPI Pumps(1A, 1B, 1C) is required to be examined. Due to inaccessibility disassembly is required, so therefore they will be scheduled for each outage. Examine upon disassembly for maintenance or disassembly will be required to complete the examination.

Total C04.030 Items: 3

Total C04 Items: 3

DUKE ENERGY CORPORATION
INSERVICE INSPECTION PLAN MANAGEMENT
Inservice Inspection Database Management System

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

Oconee 1

Inservice Inspection Plan for Interval 4 Outage 4

ITEM NUMBER	ID NUMBER	SYS	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
****** Circumferential Weld ******									
C05.011.006	1-53A-02-65L		1-53A-02(1)	NDE-600	UT	SS	10.000	40399	Procedure PDI-UT-2 may be used.
	Circumferential	53A	O-ISIN4-102A-1.2				1.125		
Class B					Valve 1LP-47 to Pipe				
C05.011.006A	1-53A-02-65L		1-53A-02(1)	NDE-35	PT	SS	10.000		
	Circumferential	53A	O-ISIN4-102A-1.2				1.125		
Class B					Valve 1LP-47 to Pipe				

Total C05.011 Items: 2

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

Piping Welds > 1/5 in. Nom Wall for Piping >= NPS 2 and <= NPS 4

DUKE ENERGY CORPORATION
INSERVICE INSPECTION PLAN MANAGEMENT
Inservice Inspection Database Management System
Oconee 1
Inservice Inspection Plan for Interval 4 Outage 4

ITEM NUMBER	ID NUMBER	SYS	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
**** Circumferential Weld ****									
C05.021.004	1-51A-04-1C		1-51A-04	NDE-600	UT	SS	4.000	TBD	Procedure PDI-UT-2 may be used.
	Circumferential	51A	O-ISIN4-101A-1.4				0.674		
Class B					Pipe to Valve 1HP-194				
C05.021.004A	1-51A-04-1C		1-51A-04	NDE-35	PT	SS	4.000		
	Circumferential	51A	O-ISIN4-101A-1.4				0.674		
Class B					Pipe to Valve 1HP-194				
C05.021.010	1-51A-123-1		1-51A-123	NDE-600	UT	SS	4.000	40406	Procedure PDI-UT-2 may be used.
	Circumferential	51A	O-ISIN4-101A-1.4				0.531		
Class B					Elbow to Pipe				
C05.021.010A	1-51A-123-1		1-51A-123	NDE-35	PT	SS	4.000		
	Circumferential	51A	O-ISIN4-101A-1.4				0.531		
Class B					Elbow to Pipe				
C05.021.015	1-51A-124-4		1-51A-124	NDE-600	UT	SS	4.000	40406	Procedure PDI-UT-2 may be used.
	Circumferential	51A	O-ISIN4-101A-1.3				0.531		
Class B					Elbow to Pipe				
C05.021.015A	1-51A-124-4		1-51A-124	NDE-35	PT	SS	4.000		
	Circumferential	51A	O-ISIN4-101A-1.3				0.531		
Class B					Elbow to Pipe				
C05.021.021	1HP-184-5		1HP-184	NDE-600	UT	SS	4.000	40406	Procedure PDI-UT-2 may be used.
	Circumferential	51A	O-ISIN4-101A-1.4				0.531		
Class B					Elbow to Pipe				
C05.021.021A	1HP-184-5		1HP-184	NDE-35	PT	SS	4.000		
	Circumferential	51A	O-ISIN4-101A-1.4				0.531		
Class B					Elbow to Pipe				

DUKE ENERGY CORPORATION
INSERVICE INSPECTION PLAN MANAGEMENT
Inservice Inspection Database Management System

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

Piping Welds > 1/5 in. Nom Wall for Piping >= NPS 2 and <= NPS 4

Oconee 1

Inservice Inspection Plan for Interval 4 Outage 4

ITEM NUMBER	ID NUMBER	SYS	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
C05.021.027	1HP-191-4		1HP-191	NDE-600	UT	SS	4.000	40406	Procedure PDI-UT-2 may be used.
	Circumferential	51A	O-ISIN4-101A-1.4				0.531		
Class B					Elbow to Pipe				
C05.021.027A	1HP-191-4		1HP-191	NDE-35	PT	SS	4.000		
	Circumferential	51A	O-ISIN4-101A-1.4				0.531		
Class B					Elbow to Pipe				
C05.021.033	1HP-200-17		1HP-200	NDE-600	UT	SS	4.000	TBD	Procedure PDI-UT-2 may be used.
	Circumferential	51A	O-ISIN4-101A-1.1				0.674		
Class B					Pipe to Pipe				
C05.021.033A	1HP-200-17		1HP-200	NDE-35	PT	SS	4.000		
	Circumferential	51A	O-ISIN4-101A-1.1				0.674		
Class B					Pipe to Pipe				
C05.021.042	1HP-282-87AB		1HP-282	NDE-600	UT	SS	4.000	40406	Procedure PDI-UT-2 may be used.
	Circumferential	51A	O-ISIN4-101A-1.3				0.531		
Class B					Pipe to Tee				
C05.021.042A	1HP-282-87AB		1HP-282	NDE-35	PT	SS	4.000		
	Circumferential	51A	O-ISIN4-101A-1.3				0.531		
Class B					Pipe to Tee				
C05.021.048	1HP-387-118A		1HP-387	NDE-600	UT	SS	4.000	40406	Procedure PDI-UT-2 may be used.
	Circumferential	51A	O-ISIN4-101A-1.3				0.531		
Class B					Valve 1HP-118 to Elbow				
C05.021.048A	1HP-387-118A		1HP-387	NDE-35	PT	SS	4.000		
	Circumferential	51A	O-ISIN4-101A-1.3				0.531		
Class B					Valve 1HP-118 to Elbow				
C05.021.054	1-51A-02-20B		1-51A-02	NDE-600	UT	SS	4.000	40406	Procedure PDI-UT-2 may be used.
	Circumferential	51A	O-ISIN4-101A-1.4				0.531		
Class B					Valve 1HP-135 to Pipe				

DUKE ENERGY CORPORATION
INSERVICE INSPECTION PLAN MANAGEMENT
Inservice Inspection Database Management System

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

Piping Welds > 1/5 in. Nom Wall for Piping >= NPS 2 and <= NPS 4

Oconee 1

Inservice Inspection Plan for Interval 4 Outage 4

ITEM NUMBER	ID NUMBER	SYS	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
C05.021.054A	1-51A-02-20B		1-51A-02	NDE-35	PT	SS	4.000		
	Circumferential	51A	O-ISIN4-101A-1.4				0.531		
Class B					Valve 1HP-135 to Pipe				
C05.021.058	1-51A-03-70B		1-51A-03(1)	NDE-600	UT	SS	4.000	40406	Procedure PDI-UT-2 may be used.
	Circumferential	51A	O-ISIN4-101A-1.4				0.531		
Class B					Pipe to Elbow				
C05.021.058A	1-51A-03-70B		1-51A-03(1)	NDE-35	PT	SS	4.000		
	Circumferential	51A	O-ISIN4-101A-1.4				0.531		
Class B					Pipe to Elbow				
C05.021.064	1HP-193-17		1HP-193	NDE-600	UT	SS	2.500	40378	Procedure PDI-UT-2 may be used.
	Circumferential	51A	O-ISIN4-101A-1.4				0.375		
Class B					Tee to Pipe				
C05.021.064A	1HP-193-17		1HP-193	NDE-35	PT	SS	2.500		
	Circumferential	51A	O-ISIN4-101A-1.4				0.375		
Class B					Tee to Pipe				
C05.021.071	1-51A-137-25		1-51A-137	NDE-600	UT	SS	2.500	40378	Procedure PDI-UT-2 may be used.
	Circumferential	51A	O-ISIN4-101A-1.1				0.375		
Class B					Elbow to Pipe				
C05.021.071A	1-51A-137-25		1-51A-137	NDE-35	PT	SS	2.500		
	Circumferential	51A	O-ISIN4-101A-1.1				0.375		
Class B					Elbow to Pipe				
C05.021.080	1-51A-01-84A		1-51A-01(3)	NDE-600	UT	SS	4.000	40406	Procedure PDI-UT-2 may be used.
	Circumferential	51A	O-ISIN4-101A-1.3				0.531		
Class B					Elbow to Elbow				
C05.021.080A	1-51A-01-84A		1-51A-01(3)	NDE-35	PT	SS	4.000		
	Circumferential	51A	O-ISIN4-101A-1.3				0.531		
Class B					Elbow 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

DUKE ENERGY CORPORATION
INSERVICE INSPECTION PLAN MANAGEMENT
Inservice Inspection Database Management System
Oconee 1
Inservice Inspection Plan for Interval 4 Outage 4

ITEM NUMBER	ID NUMBER	SYS	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
C05.021.086	1-51A-02-16BH		1-51A-02	NDE-600	UT	SS	4.000	40406	Procedure PDI-UT-2 may be used.
	Circumferential	51A	O-ISIN4-101A-1.4				0.531		
Class B					Pipe to Flange				
C05.021.086A	1-51A-02-16BH		1-51A-02	NDE-35	PT	SS	4.000		
	Circumferential	51A	O-ISIN4-101A-1.4				0.531		
Class B					Pipe to Flange				
C05.021.092	1-51A-02-56B		1-51A-02	NDE-600	UT	SS	4.000	40406	Procedure PDI-UT-2 may be used.
	Circumferential	51A	O-ISIN4-101A-1.3				0.531		
Class B					Elbow to Pipe				
C05.021.092A	1-51A-02-56B		1-51A-02	NDE-35	PT	SS	4.000		
	Circumferential	51A	O-ISIN4-101A-1.3				0.531		
Class B					Elbow to Pipe				
C05.021.098	1HP-192-5A		1HP-192	NDE-600	UT	SS	4.000	40406	Procedure PDI-UT-2 may be used.
	Circumferential	51A	O-ISIN4-101A-1.4				0.531		
Class B					Elbow to Pipe				
C05.021.098A	1HP-192-5A		1HP-192	NDE-35	PT	SS	4.000		
	Circumferential	51A	O-ISIN4-101A-1.4				0.531		
Class B					Elbow to Pipe				
C05.021.108	1-51A-01-101A		1-51A-01(4)	NDE-600	UT	SS	3.000	TBD	Procedure PDI-UT-2 may be used.
	Circumferential	51A	O-ISIN4-101A-1.3				0.438		
Class B					Elbow to Valve 1HP-110				
C05.021.108A	1-51A-01-101A		1-51A-01(4)	NDE-35	PT	SS	3.000		
	Circumferential	51A	O-ISIN4-101A-1.3				0.438		
Class B					Elbow to Valve 1HP-110				
C05.021.114	1HP-199-2		1HP-199	NDE-600	UT	SS	4.000	40406	Procedure PDI-UT-2 may be used.
	Circumferential	51A	O-ISIN4-101A-1.1				0.531		
Class B					Pipe to Elbow				

DUKE ENERGY CORPORATION
INSERVICE INSPECTION PLAN MANAGEMENT
Inservice Inspection Database Management System

Oconee 1

Inservice Inspection Plan for Interval 4 Outage 4

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

Piping Welds > 1/5 in. Nom Wall for Piping >= NPS 2 and <= NPS 4

ITEM NUMBER	ID NUMBER	SYS	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
C05.021.114A	1HP-199-2		1HP-199	NDE-35	PT	SS	4.000		
	Circumferential	51A	O-ISIN4-101A-1.1				0.531		
Class B					Pipe to Elbow				
C05.021.115	1HP-367-22		1HP-367	NDE-600	UT	SS	4.000	50256	Procedure PDI-UT-2 may be used.
	Circumferential	51B	O-ISIN4-101A-1.1				0.237		
Class B					Pipe to Tee				
C05.021.115A	1HP-367-22		1HP-367	NDE-35	PT	SS	4.000		
	Circumferential	51B	O-ISIN4-101A-1.1				0.237		
Class B					Pipe to Tee				

Total C05.021 Items: 38

DUKE ENERGY CORPORATION
INSERVICE INSPECTION PLAN MANAGEMENT
Inservice Inspection Database Management System

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

Pipe Branch Connections of Branch Piping >= NPS 2

Oconee 1

Inservice Inspection Plan for Interval 4 Outage 4

ITEM NUMBER	ID NUMBER	SYS	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
****** Circumferential Weld ******									
C05.041.006	1LP-004-12J		1LP-004	NDE-35	PT	SS	6.000		This weld was previously listed as 1-53B-04-12J before the Iso was redrawn.
	Branch	53B	O-ISIN4-101A-1.3				0.134		
Class B					Pipe to Pipe				
C05.041.007	1LP-004-12JA		1LP-004	NDE-35	PT	SS	6.000		Reinforcing collar weld at weld 12J. This weld was previously listed as 1-53B-04-12JA before the Iso was redrawn.
	Branch	53B	O-ISIN4-101A-1.3				0.134		
Class B					Reinforcing collar to Pipe				
C05.041.033	1-51A-01-54A		1-51A-01(2)	NDE-35	PT	SS	3.000		This is a saddle weld - 3" pipe to 6" pipe.
	Branch	51A	O-ISIN4-101A-1.3				0.216		
Class B					Pipe to Pipe				

Total C05.041 Items: 3

DUKE ENERGY CORPORATION
INSERVICE INSPECTION PLAN MANAGEMENT
Inservice Inspection Database Management System

Oconee 1

Inservice Inspection Plan for Interval 4 Outage 4

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

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

ITEM NUMBER	ID NUMBER	SYS	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
**** Circumferential Weld ****									
C05.051.008	1MS-001-29E		1MS-001	NDE-600	UT	CS	12.000		This weld was previously listed as 1-01A-01-29E before the Iso was redrawn. Procedure PDI-UT-1 may be used. If procedure PDI-UT-1 is used, calibration block PDI-UT-1-O shall be used.
	Circumferential	01A	O-ISIN4-122A-1.2				0.562		
Class B					Pipe to Elbow				
C05.051.008A	1MS-001-29E		1MS-001	NDE-25	MT	CS	12.000		This weld was previously listed as 1-01A-01-29E before the Iso was redrawn.
	Circumferential	01A	O-ISIN4-122A-1.2				0.562		
Class B					Pipe to Elbow				
C05.051.016	1-MS2A-A		1MS-074	NDE-600	UT	CS	24.000		Grinnell subassembly MS-2A. Procedure PDI-UT-1 may be used. If procedure PDI-UT-1 is used, calibration block PDI-UT-1-O shall be used.
	Circumferential	01A					0.875		
Class B					Elbow to Pipe				
C05.051.016A	1-MS2A-A		1MS-074	NDE-25	MT	CS	24.000		Grinnell subassembly MS-2A.
	Circumferential	01A					0.875		
Class B					Elbow to Pipe				
C05.051.021	1-03-3-43B		1-03-3(1)	NDE-600	UT	CS	24.000		Procedure PDI-UT-1 may be used. If procedure PDI-UT-1 is used, calibration block PDI-UT-1-O shall be used.
	Circumferential	03	O-ISIN4-121B-1.3				1.219		
Class B					Elbow to Pipe				
C05.051.021A	1-03-3-43B		1-03-3(1)	NDE-25	MT	CS	24.000		
	Circumferential	03	O-ISIN4-121B-1.3				1.219		
Class B					Elbow to Pipe				
C05.051.027	1-FWD65-A		1-03-3(1)	NDE-600	UT	CS	20.000		Grinnell subassembly FWD-65. Procedure PDI-UT-1 may be used. If procedure PDI-UT-1 is used, calibration block PDI-UT-1-O shall be used.
	Circumferential	03					1.031		
Class B					Pipe to Elbow				
C05.051.027A	1-FWD65-A		1-03-3(1)	NDE-25	MT	CS	20.000		Grinnell subassembly FWD-65.
	Circumferential	03					1.031		
Class B					Pipe to Elbow				

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 ENERGY CORPORATION
INSERVICE INSPECTION PLAN MANAGEMENT
Inservice Inspection Database Management System
Oconee 1
Inservice Inspection Plan for Interval 4 Outage 4

ITEM NUMBER	ID NUMBER	SYS	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
C05.051.029	1-FWD87-A		1-03-3(1)	NDE-600	UT	CS	14.000		Grinnell subassembly FWD-87.
	Circumferential	03					0.750		Procedure PDI-UT-1 may be used. If procedure
Class B					Elbow to Pipe				PDI-UT-1 is used, calibration block PDI-UT-1-O shall be used.
C05.051.029A	1-FWD87-A		1-03-3(1)	NDE-25	MT	CS	14.000		Grinnell subassembly FWD-87.
	Circumferential	03					0.750		
Class B					Elbow to Pipe				
C05.051.034	1-20B-21-16-7		1-20B-21-16	NDE-600	UT	CS	48.000		Procedure PDI-UT-1 may be used. If procedure
	Circumferential	20B	O-ISIN4-116A-1.1				0.500		PDI-UT-1 is used, calibration block PDI-UT-1-O shall be used.
Class B					Pipe to Valve 1PRV-6				
C05.051.034A	1-20B-21-16-7		1-20B-21-16	NDE-25	MT	CS	48.000		
	Circumferential	20B	O-ISIN4-116A-1.1				0.500		
Class B					Pipe to Valve 1PRV-6				
C05.051.043	1LPSW-345-35		1LPSW-345	NDE-600	UT	CS	8.000		This weld was listed previously as 1-LPSW-345-35
	Circumferential	14B	O-ISIN4-124B-1.2				0.500		until iso 1-LPSW-345 was redrawn. This weld was
Class B					Pipe to Tee				listed previously as 1-LPS-345-35 until iso 1-LPS-345 was deleted. Procedure PDI-UT-1 may be used. If procedure PDI-UT-1 is used, calibration block PDI-UT-1-O shall be used.
C05.051.043A	1LPSW-345-35		1LPSW-345	NDE-25	MT	CS	8.000		This weld was listed previously as 1-LPSW-345-35
	Circumferential	14B	O-ISIN4-124B-1.2				0.500		until iso 1-LPSW-345 was redrawn. This weld was
Class B					Pipe to Tee				listed previously as 1-LPS-345-35 until iso 1-LPS-345 was deleted.
C05.051.048	1-LPSW-346-19		1-LPSW-346	NDE-600	UT	CS	8.000		Procedure PDI-UT-1 may be used. If procedure
	Circumferential	14B	O-ISIN4-124B-1.2				0.500		PDI-UT-1 is used, calibration block PDI-UT-1-O shall be used.
Class B					Elbow to Pipe				
C05.051.048A	1-LPSW-346-19		1-LPSW-346	NDE-25	MT	CS	8.000		
	Circumferential	14B	O-ISIN4-124B-1.2				0.500		
Class B					Elbow to Pipe				

DUKE ENERGY CORPORATION
INSERVICE INSPECTION PLAN MANAGEMENT
Inservice Inspection Database Management System

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

Oconee 1

Inservice Inspection Plan for Interval 4 Outage 4

ITEM NUMBER	ID NUMBER	SYS	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
C05.051.053	1-14-19-47M		1-14-19	NDE-600	UT	CS	8.000		Procedure PDI-UT-1 may be used. If procedure PDI-UT-1 is used, calibration block PDI-UT-1-O shall be used.
	Circumferential	14B	O-ISIN4-124B-1.2				0.500		
Class B					Pipe to Valve 1LPSW-16				
C05.051.053A	1-14-19-47M		1-14-19	NDE-25	MT	CS	8.000		
	Circumferential	14B	O-ISIN4-124B-1.2				0.500		
Class B					Pipe to Valve 1LPSW-16				
C05.051.054	1-14-19-47MA		1-14-19	NDE-600	UT	CS	8.000		Procedure PDI-UT-1 may be used. If procedure PDI-UT-1 is used, calibration block PDI-UT-1-O shall be used.
	Circumferential	14B	O-ISIN4-124B-1.2				0.500		
Class B					Pipe to Elbow				
C05.051.054A	1-14-19-47MA		1-14-19	NDE-25	MT	CS	8.000		
	Circumferential	14B	O-ISIN4-124B-1.2				0.500		
Class B					Pipe to Elbow				

Total C05.051 Items: 20

DUKE ENERGY CORPORATION
INSERVICE INSPECTION PLAN MANAGEMENT
Inservice Inspection Database Management System

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

Pipe Branch Connections of Branch Piping >= NPS 2

Oconee 1

Inservice Inspection Plan for Interval 4 Outage 4

ITEM NUMBER	ID NUMBER	SYS	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
****** Circumferential Weld ******									
C05.081.001	1-03A-4-3D		1-03A-4(2)	NDE-35	PT	CS	2.000		
	Branch	03A	O-ISIN4-121D-1.1				0.218		
Class B					Pipe to Half Coupling				

Total C05.081 Items: 1

Total C05 Items: 64

CATEGORY D-A, Welded Attachments For Vessels, Piping, Pumps, And Valves

[redacted] Pressure Vessels

DUKE ENERGY CORPORATION
INSERVICE INSPECTION PLAN MANAGEMENT
Inservice Inspection Database Management System
Oconee 1
Inservice Inspection Plan for Interval 4 Outage 4

ITEM NUMBER	ID NUMBER	SYS	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
****** Welded Attachments ******									
D01.010.001	1-SF-COOLER-A		OM-201-84	QAL-13	VT-1	NA	0.000		Spent Fuel Cooler 1A. Welded Attachment at
		56	O-ISIN4-104A-1.1				0.000		Support Legs A and B.
Class C					Attachment to Shell				
D01.010.002	1-RBCC-A		OM-2201-85	QAL-13	VT-1	NA	0.000		Reactor Building Component Cooler Spare. Welded
		14B	O-ISIN4-124B-1.1				0.000		Attachment at Support Legs A and B.
Class C					Attachment to Shell				

Total D01.010 Items: 2

CATEGORY D-A, Welded Attachments For Vessels, Piping, Pumps, And Valves

Piping

DUKE ENERGY CORPORATION
INSERVICE INSPECTION PLAN MANAGEMENT
Inservice Inspection Database Management System
Oconee 1
Inservice Inspection Plan for Interval 4 Outage 4

ITEM NUMBER	ID NUMBER	SYS	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
****** Welded Attachments ******									
D01.020.006	1-02A-1-0-403A-H12		1-01-06/sht.3	QAL-13	VT-1	NA	6.000		Calculation No. OSC-325, page 91. Inspect with F01.032.011.
	Spring Hgr	02A	O-ISIN4-122A-1.4				0.500		
Class C									
D01.020.032	1-03A-1-0-439B-SR47		1-03A-05/sht.2	QAL-13	VT-1	NA	6.000		Calculation No. OSC-339, page 80. Inspect with F01.030.025.
	Rigid Restraint	03A	O-ISIN4-121D-1.1				1.000		
Class C									
D01.020.033	1-03A-1-0-400A-SR66		1-03A-09/sht.5	QAL-13	VT-1	NA	6.000		Calculation No. OSC-342, page 105. Inspect with F01.031.026.
	Rigid Restraint	03A	O-ISIN4-121D-1.1				0.500		
Class C									
D01.020.081	1-56-438C-SR14		4-56-02/sht.1	QAL-13	VT-1	NA	8.000		Calculaton No. OSC-421, page 93. Inspsect with F01.030.134.
	Rigid Support	56	O-ISIN4-104A-1.1				0.750		
Class C									

Total D01.020 Items: 4

Total D01 Items: 6

CATEGORY F-A, Supports

DUKE ENERGY CORPORATION
INSERVICE INSPECTION PLAN MANAGEMENT
Inservice Inspection Database Management System
Oconee 1
Inservice Inspection Plan for Interval 4 Outage 4

Class 1 Piping Supports

ITEM NUMBER	ID NUMBER	SYS	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
****** Category A, One-Directional ******									
F01.010.009	1-59-0-478A-H33		1-59-03/sht.2	QAL-14	VT-3	NA	1.500		Calculation No. OSC-1311-06.
	Rigid Support	59	O-ISIN4-100A-1.1				0.375		
Class A									
Total F01.010 Items:	**1**								
****** Category B, Multi-Directional ******									
F01.011.005	1-53-0-479A-H2		1-53-07/sht.1	QAL-14	VT-3	NA	12.000		Calculation No. OSC-1301-06, page 91. Inspect with B10.020.011.
	Rigid Restraint	53	O-ISIN4-102A-1.1				0.750		
Class A									
F01.011.006	1-53A-0-481A-H36C		1-51-15/sht.3	QAL-14	VT-3	NA	1.500		Calculation No. OSC-1304-06, page 63.
	Rigid Restraint	53A	O-ISIN4-100A-1.2				0.000		
Class A									
Total F01.011 Items:	**2**								

CATEGORY F-A, Supports

DUKE ENERGY CORPORATION
INSERVICE INSPECTION PLAN MANAGEMENT
Inservice Inspection Database Management System
Oconee 1
Inservice Inspection Plan for Interval 4 Outage 4

Class 2 Piping Supports

ITEM NUMBER	ID NUMBER	SYS	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
****** Category A, One-Directional ******									
F01.020.011	1-03-0-479A-H1B		1-03-05/sht.2	QAL-14	VT-3	NA	0.000		Calculation No. OSC-1297-06. Inspect with C03.020.011.
	Rigid Support	03	O-ISIN4-121B-1.3				0.280		
Class B									
F01.020.041	1-51-0-435C-DE064		1-51-02/sht.2	QAL-14	VT-3	NA	6.000		Calculation No. OSC-1535, page 136.
	Rigid Support	51	O-ISIN4-101A-1.3				0.000		
Class B			O-1AB-15102-02						
F01.020.050	1-51-0-436D-SR9		1-51-01/sht.1	QAL-14	VT-3	NA	4.000		Calculation No. OSC-400, page 50.
	Rigid Support	51	O-ISIN4-101A-1.1				0.750		
Class B			O-1AB-15101-01						
F01.020.063	1-51A-1-0-444-H2		1-51-07/sht.4	QAL-14	VT-3	NA	4.000		Calculation No. OSC-1539, page 73. High Pressure Injection.
	Rigid Support	51A	O-ISIN4-101A-1.4				0.000		
Class B			O-1AB-15107-04						
F01.020.065	1-51A-6-0-435B-SR58		1-51-02/sht.2	QAL-14	VT-3	NA	6.000		Calculation No. OSC-1535, page 136. High Pressure Injection.
	Rigid Support	51A	O-ISIN4-101A-1.3				0.000		
Class B			O-1AB-15102-02						
F01.020.093	1-53B-435B-DE065		1-53-01/sht.1	QAL-14	VT-3	NA	10.000		Calculation No. OSC-407.
	Rigid Support	53B	O-ISIN4-102A-1.1				0.000		
Class B			O-1AB-15301-01						
F01.020.097	1-53B-5-0-439C-H33		1-53-02/sht.2	QAL-14	VT-3	NA	10.000		Calculation No. OSC-408.
	Rigid Support	53B	O-ISIN4-102A-1.2				0.000		
Class B			O-1AB-15302-02						
F01.020.100	1-53B-5-0-435B-H67		1-53-02/sht.2	QAL-14	VT-3	NA	6.000		Calculation No. OSC-408.
	Rigid Support	53B	O-ISIN4-102A-1.2				0.000		
Class B			O-1AB-15302-02						

Total F01.020 Items: 8

****** Category B, Multi-Directional ******

CATEGORY F-A, Supports

DUKE ENERGY CORPORATION
INSERVICE INSPECTION PLAN MANAGEMENT
Inservice Inspection Database Management System
Oconee 1
Inservice Inspection Plan for Interval 4 Outage 4

Class 2 Piping Supports

ITEM NUMBER	ID NUMBER	SYS	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
F01.021.034	1-14-0-479A-H19D		1-14-17/sht.1	QAL-14	VT-3	NA	8.000		Calculation No. OSC-1306-06, page 6(5)-43.
	Rigid Restraint	14	O-ISIN4-124B-1.2				1.000		
Class B									
F01.021.043	1-14B-0-2479A-H2		1-14-16/sht.1	QAL-14	VT-3	NA	6.000		Calculation No. OSC-1306-06, page 6(2)-43.
	Rigid Restraint	14B	O-ISIN4-124B-1.2				0.750		
Class B									
F01.021.044	1-14B-0-479A-H3		1-14-12	QAL-14	VT-3	NA	8.000		Calculation No. OSC-1306-06, page 6(3)-42.
	Rigid Restraint	14B	O-ISIN4-124B-1.2				0.750		Support has 2 different weld attachments (3/4" plate and 3" pipe stanchion). Inspect with C03.020.041.
Class B									
F01.021.065	1-51A-0-478A-H13C		1-55-03/sht.2	QAL-14	VT-3	NA	2.500		Calculation No. OSC-1660-11, page 66.
	Rigid Restraint	51A	O-ISIN4-101A-1.1				0.000		
Class B									
F01.021.081	1-53A-0-479A-DBR-H0001		1-53-07/sht.1	QAL-14	VT-3	NA	8.000		Calculation No. OSC-1301-06, page 93.
	Rigid Restraint	53A	O-ISIN4-102A-1.1				0.000		
Class B									
F01.021.092	1-53B-0-439C-DE053		1-53-04/sht.1	QAL-14	VT-3	NA	12.000		Calculation No. OSC-404, page 39.
	Rigid Restraint	53B	O-ISIN4-102A-1.1				0.000		
Class B									
F01.021.093	1-53B-2-0-435B-H38		1-53-01/sht.1	QAL-14	VT-3	NA	14.000		Calculation No. OSC-407, page 104. Inspect with C03.020.092.
	Rigid Restraint	53B	O-ISIN4-102A-1.1				0.750		
Class B			O-1AB-15301-01						
F01.021.095	1-53B-5-0-435-R8		1-53-02/sht.2	QAL-14	VT-3	NA	8.000		Calculation No. OSC-408. Inspect with C03.020.091.
	Rigid Restraint	53B	O-ISIN4-102A-1.2				1.000		
Class B			O-1AB-15302-02						

Total F01.021 Items: 8

****** Category C, Thermal Movement ******

CATEGORY F-A, Supports

DUKE ENERGY CORPORATION
INSERVICE INSPECTION PLAN MANAGEMENT
Inservice Inspection Database Management System

Class 2 Piping Supports

Oconee 1

Inservice Inspection Plan for Interval 4 Outage 4

ITEM NUMBER	ID NUMBER	SYS	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
F01.022.105	1-53B-5-0-436D-H23		1-53-02/sht.1	QAL-14	VT-3	NA	10.000		Calculation No. OSC-408. Inspect with
	Spring Hgr	53B	O-ISIN4-102A-1.2				0.237		C03.020.095.
Class B			O-1AB-15302-01						
F01.022.107	1-53B-3-0-444-R3		1-53-01/sht.2	QAL-14	VT-3	NA	12.000		Calculation No. OSC-407, page 105.1.
	Constant Support	53B	O-ISIN4-102A-1.1				0.375		
Class B			O-1AB-15301-02						
F01.022.111	1-54A-0-435B-DE015		1-54-01/sht.1	QAL-14	VT-3	NA	8.000		Calculation No. OSC-1628, page 60. Inspect with
	Mech Snubber	54A	O-ISIN4-103A-1.1				0.000		F01.050.056.
Class B									

Total F01.022 Items: 3

CATEGORY F-A, Supports

DUKE ENERGY CORPORATION
INSERVICE INSPECTION PLAN MANAGEMENT
Inservice Inspection Database Management System

Class 3 Piping Supports

Oconee 1

Inservice Inspection Plan for Interval 4 Outage 4

ITEM NUMBER	ID NUMBER	SYS	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
****** Category A, One-Directional ******									
F01.030.034	1-03A-1-0-400B-H131		1-03A-12/sht.1	QAL-14	VT-3	NA	6.000		Calculation No. OSC-1215, page 21.
	Rigid Support	03A	O-ISIN4-121D-1.1				0.000		
Class C									
F01.030.066	1-07A-6-0-400B-H53		1-07A-01/sht.1	QAL-14	VT-3	NA	20.000		Calculation No. OSC-361, page 85.1
	Rigid Support	07A	O-ISIN4-121A-1.8				0.000		
Class C									
F01.030.093	1-14B-437A-DE036		1-14-04/sht.2	QAL-14	VT-3	NA	16.000		Calculation No. OSC-396, page 77.
	Rigid Support	14B	O-ISIN4-124B-1.1				0.187		
Class C									
F01.030.094	1-14B-436D-DE064		4-14-03/sht.4	QAL-14	VT-3	NA	8.000		Calculation No. OSC-394, page 79.
	Rigid Support	14B	O-ISIN4-121D-1.2				0.000		
Class C									
F01.030.095	1-14B-400B-DE086		1-14A-01/sht.1	QAL-14	VT-3	NA	24.000		Calculation No. OS-395, page 40.
	Rigid Support	14B	O-ISIN4-124A-1.1				0.000		
Class C									
F01.030.134	1-56-438C-SR14		4-56-02/sht.1	QAL-14	VT-3	NA	8.000		Calculation No. OSC-421, page 93. Inspect with D01.020.081.
	Rigid Support	56	O-ISIN4-104A-1.1				0.750		
Class C									
Total F01.030 Items:	**6**								
****** Category B, Multi-Directional ******									
F01.031.025	1-03A-1-0-439B-SR47		1-03A-05/sht.2	QAL-14	VT-3	NA	6.000		Calculation No. OSC-339, page 80.
	Rigid Restraint	03A	O-ISIN4-121D-1.1				1.000		
Class C									
F01.031.026	1-03A-1-0-400A-SR66		1-03A-09/sht.5	QAL-14	VT-3	NA	6.000		Calculation No. OSC-342, page 105.
	Rigid Restraint	03A	O-ISIN4-121D-1.1				0.500		
Class C									

CATEGORY F-A, Supports

DUKE ENERGY CORPORATION
INSERVICE INSPECTION PLAN MANAGEMENT
Inservice Inspection Database Management System
Oconee 1
Inservice Inspection Plan for Interval 4 Outage 4

Class 3 Piping Supports

ITEM NUMBER	ID NUMBER	SYS	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
F01.031.102	1-56-443-H5129		4-56-02/sht.9	QAL-14	VT-3	NA	8.000		Calculation No. OSC-421, page 101.
	Rigid Restraint	56	O-ISIN4-104A-1.1				0.000		
Class C									

Total F01.031 Items: 3

****** Category C, Thermal Movement ******

F01.032.011	1-02A-1-0-403A-H12		1-01-06/sht.3	QAL-14	VT-3	NA	6.000		Calculation No. OSC-325, page 91. Inspect with D01.020.006.
	Spring Hgr	02A	O-ISIN4-122A-1.4				0.500		
Class C									
F01.032.023	1-03A-1-0-400B-SR54		1-03A-09/sht.3	QAL-14	VT-3	NA	6.000		Calculation No. OSC-342, page 103. Inspect with F01.050.100.
	Hyd Snubber	03A	O-ISIN4-121D-1.1				0.203		
Class C									
F01.032.051	1-07A-6-0-402A-H8		1-07A-02/sht.1	QAL-14	VT-3	NA	8.000		Calculation No. OSC-362, page 55.
	Spring Hgr	07A	O-ISIN4-121A-1.8				0.000		
Class C									

Total F01.032 Items: 3

CATEGORY F-A, Supports

DUKE ENERGY CORPORATION
INSERVICE INSPECTION PLAN MANAGEMENT
Inservice Inspection Database Management System

Supports Other Than Piping Supports

Oconee 1

Inservice Inspection Plan for Interval 4 Outage 4

ITEM NUMBER	ID NUMBER	SYS	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
****** Class 1, 2, and 3 ******									
F01.040.014	1-LPSW-PU-B		OM 208-0027	QAL-14	VT-3	NA	0.000		Low Pressure Service Water Pump 1B, Support Pad & Legs.
		14B	O-ISIN4-124A-1.1				0.000		
Class C									
F01.040.016	1-MCD-C		OM-202-5	QAL-14	VT-3	NA	0.000		Main Condenser 1C Support Legs.
		13	O-ISIN4-133A-1.2				0.000		
Class C			OM-202-25						
F01.040.017	1-RBCC-A		OM 201-85	QAL-14	VT-3	NA	0.000		Reactor Building Component Cooler 1A Support A & B.
		14B	O-ISIN4-124B-1.1				0.000		
Class C									
F01.040.025	1-BWS-TANK		OM 201-684	QAL-14	VT-3	NA	0.000		Borated Water Storage Tank.
		53B	O-ISIN4-102A-1.1				0.000		
Class B									
F01.040.026	1-PEN-ROOM-FTR-A		OM 272-10	QAL-14	VT-3	NA	0.000		Penetration Room Filter Train A Support.
		20B	O-ISIN4-116B-1.1				0.000		
Class C			OM 201-0571						
F01.040.027	1-PEN-ROOM-FAN-A		O-485C	QAL-14	VT-3	NA	0.000		Penetration Room Fan 1A Support.
		20B	O-ISIN4-116B-1.1				0.000		
Class C									
F01.040.035	1-50-0-66A-RCPM-S9		0-66A	QAL-14	VT-3	NA	5.000		Calculation No. OSC-0971-01-0009, Reactor Coolant Pump 1B1 Motor Snubbers. Reference PIP 0-O96-1575. Inspect with Item No. F01.050.114.
	Hyd Snubber	50	O-ISIN4-100A-1.1				0.000		
Class A			O-66B						

Total F01.040 Items: 7

Total F01 Items: 41

CATEGORY AUG, Augmented Inspections

DUKE ENERGY CORPORATION
INSERVICE INSPECTION PLAN MANAGEMENT
Inservice Inspection Database Management System
Oconee 1
Inservice Inspection Plan for Interval 4 Outage 4

Reactor Coolant Pump Flywheels

ITEM NUMBER	ID NUMBER	SYS	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
G01.001.001	1-RCP-1A1		OM-201D-38	NDE-900	UT	CS	72.000		Reactor Coolant Pump 1A1 Flywheel. The complete volume of the flywheel shall be examined by UT at approximately 3 year intervals. Reference Section 7 of the ISI Plan, General Requirements.
	Circumferential	50					9.500		
Class A									
G01.001.001A	1-RCP-1A1		OM-201D-38	NDE-25	MT	CS	72.000		Reactor Coolant Pump 1A1 Flywheel. When maintenance or repair activities require removal of the flywheel, 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 Section 7 of the ISI Plan, General Requirements.
	Circumferential	50					9.500		
Class A									
G01.001.002	1-RCP-1A2		OM-201D-38	NDE-900	UT	CS	72.000		Reactor Coolant Pump 1A2 Flywheel. The complete volume of the flywheel shall be examined by UT at approximately 3 year intervals. Reference Section 7 of the ISI Plan, General Requirements.
	Circumferential	50					9.500		
Class A									
G01.001.002A	1-RCP-1A2		OM-201D-38	NDE-25	MT	CS	72.000		Reactor Coolant Pump 1A2 Flywheel. When maintenance or repair activities require removal of the flywheel, 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 Section 7 of the ISI Plan, General Requirements.
	Circumferential	50					9.500		
Class A									
G01.001.003	1-RCP-1B1		OM-201D-38	NDE-900	UT	CS	72.000		Reactor Coolant Pump 1B1 Flywheel. The complete volume of the flywheel shall be examined by UT at approximately 3 year intervals. Reference Section 7 of the ISI Plan, General Requirements.
	Circumferential	50					9.500		
Class A									
G01.001.003A	1-RCP-1B1		OM-201D-38	NDE-25	MT	CS	72.000		Reactor Coolant Pump 1B1 Flywheel. When maintenance or repair activities require removal of the flywheel, 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 Section 7 of the ISI Plan, General Requirements.
	Circumferential	50					9.500		
Class A									

CATEGORY AUG, Augmented Inspections

DUKE ENERGY CORPORATION
INSERVICE INSPECTION PLAN MANAGEMENT
Inservice Inspection Database Management System

Oconee 1

Inservice Inspection Plan for Interval 4 Outage 4

Reactor Coolant Pump Flywheels

ITEM NUMBER	ID NUMBER	SYS	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
G01.001.004	1-RCP-1B2		OM-201D-38	NDE-900	UT	CS	72.000		Reactor Coolant Pump 1B2 Flywheel. The complete volume of the flywheel shall be examined by UT at approximately 3 year intervals. Reference Section 7 of the ISI Plan, General Requirements.
	Circumferential	50					9.500		
Class A									
G01.001.004A	1-RCP-1B2		OM-201D-38	NDE-25	MT	CS	72.000		Reactor Coolant Pump 1B2 Flywheel. When maintenance or repair activities require removal of the flywheel, 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 Section 7 of the ISI Plan, General Requirements.
	Circumferential	50					9.500		
Class A									

Total G01.001 Items: 8

Total G01 Items: 8

CATEGORY AUG, Augmented Inspections

DUKE ENERGY CORPORATION
INSERVICE INSPECTION PLAN MANAGEMENT
Inservice Inspection Database Management System
Oconee 1
Inservice Inspection Plan for Interval 4 Outage 4

HPI Nozzle Safe End Examinations

ITEM NUMBER	ID NUMBER	SYS	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
G02.001.005A Class A	1-PDA1-46	51A	ISI OCN1-011 OM-201-597	NDE-690	UT	CS	3.500 2.500	40410 40350	1A1 Make-Up Nozzle Pc. 46. Perform UT on the nozzle inside radius (knuckle area). This schedule cannot be changed. Reference Section 7 of the ISI Plan, General Requirements.
G02.001.005B Class A	1-PDA2-46	51A	ISI OCN1-012 OM-201-597	NDE-690	UT	CS	3.500 2.500	40410 40350	1A2 Make-Up Nozzle Pc. 46. Perform UT on the nozzle inside radius (knuckle area). This schedule cannot be changed. Reference Section 7 of the ISI Plan, General Requirements.
G02.001.005C Class A	1-PDB1-46	51A	ISI OCN1-013 OM-201-597	NDE-690	UT	CS	3.500 2.500	40410 40350	1B1 HPI Nozzle Pc. 46. Perform UT on the nozzle inside radius (knuckle area). This schedule cannot be changed. Reference Section 7 of the ISI Plan, General Requirements.
G02.001.005D Class A	1-PDB2-46	51A	ISI OCN1-014 OM-201-597	NDE-690	UT	CS	3.500 2.500	40410 40350	1B2 HPI Nozzle Pc. 46. Perform UT on the nozzle inside radius (knuckle area). This schedule cannot be changed. Reference Section 7 of the ISI Plan, General Requirements.
G02.001.006A Circumferential Class A	1-PDA1-11	51A	ISI OCN1-011 OM-201-597	See Com	UT Nozzle to Safe End	SS-Inconel	3.500 0.750	Component 40416	1A1 Make-Up Nozzle Pc. 46 to Safe End Pc. 47. Perform UT on the nozzle to safe end weld. This schedule cannot be changed. Reference Section 7 of the ISI Plan, General Requirements. Procedure PDI-UT-10
G02.001.006B Circumferential Class A	1-PDA2-11	51A	ISI OCN1-012 OM-201-597	See Com	UT Nozzle to Safe End	SS-Inconel	3.500 0.750	Component 40416	1A2 Make-Up Nozzle Pc. 46 to Safe End Pc. 47. Perform UT on the nozzle to safe end weld. This schedule cannot be changed. Reference Section 7 of the ISI Plan, General Requirements. Procedure PDI-UT-10
G02.001.006C Circumferential Class A	1-PDB1-11	51A	ISI OCN1-013 OM-201-597	See Com	UT Nozzle to Safe End	SS-Inconel	3.500 0.750	Component 40416	1B1 HPI Nozzle Pc. 46 to Safe End Pc. 47. Perform UT on the nozzle to safe end weld. This schedule cannot be changed. Reference Section 7 of the ISI Plan, General Requirements. Procedure PDI-UT-10

CATEGORY AUG, Augmented Inspections

DUKE ENERGY CORPORATION
INSERVICE INSPECTION PLAN MANAGEMENT
Inservice Inspection Database Management System

Oconee 1

Inservice Inspection Plan for Interval 4 Outage 4

HPI Nozzle Safe End Examinations

ITEM NUMBER	ID NUMBER	SYS	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
G02.001.006D Class A	1-PDB2-11 Circumferential	51A	ISI OCN1-014 OM-201-597	See Com	UT Nozzle to Safe End	SS-Inconel	3.500 0.750	Component 40416	1B2 HPI Nozzle Pc. 46 to Safe End Pc. 47. Perform UT on the nozzle to safe end weld. This schedule cannot be changed. Reference Section 7 of the ISI Plan, General Requirements. Procedure PDI-UT-10
G02.001.007A Class A	1-PDA1-47	51A	ISI OCN1-011 OM-201-597	NDE-960	UT	SS	3.500 0.750	Component	Safe End Pc. 47 adjoining Make-Up Nozzle 1A1. Perform UT on the Safe End base metal (between the nozzle to safe end weld and the safe end to pipe weld). This schedule cannot be changed. Reference Section 7 of the ISI Plan, General Requirements.
G02.001.007B Class A	1-PDA2-47	51A	ISI OCN1-012 OM-201-597	NDE-960	UT	SS	3.500 0.750	Component	Safe End Pc. 47 adjoining Make-Up Nozzle 1A2. Perform UT on the Safe End base metal (between the nozzle to safe end weld and the safe end to pipe weld). This schedule cannot be changed. Reference Section 7 of the ISI Plan, General Requirements.
G02.001.007C Class A	1-PDB1-47	51A	ISI OCN1-013 OM-201-597	NDE-960	UT	SS	3.500 0.750	Component	Safe End Pc. 47 adjoining HPI Nozzle 1B1. Perform UT on the Safe End base metal (between the nozzle to safe end weld and the safe end to pipe weld). This schedule cannot be changed. Reference Section 7 of the ISI Plan, General Requirements.
G02.001.007D Class A	1-PDB2-47	51A	ISI OCN1-014 OM-201-597	NDE-960	UT	SS	3.500 0.750	Component	Safe End Pc. 47 adjoining HPI Nozzle 1B2. Perform UT on the Safe End base metal (between the nozzle to safe end weld and the safe end to pipe weld). This schedule cannot be changed. Reference Section 7 of the ISI Plan, General Requirements.
G02.001.008A Class A	1RC-199-154 Circumferential	51A	1RC-199 O-ISIN4-100A-1.1	NDE-960	UT Safe End to Pipe	SS	2.500 0.375	Component	Safe End Pc. 47 adjoining Make-Up Nozzle 1A1. Perform UT on weld 1RC-199-154 and adjoining base metal out to weld 1RC-199-149 (at valve 1HP-127). This schedule cannot be changed. Revision 2 changed weld number from 1-RC-199-94. Inspect with G04.001.029. The inspection performed for the G02 item number meets the requirements for the G04 inspection. Reference Section 7 of the ISI Plan, General Requirements.

CATEGORY AUG, Augmented Inspections

DUKE ENERGY CORPORATION
INSERVICE INSPECTION PLAN MANAGEMENT
Inservice Inspection Database Management System

HPI Nozzle Safe End Examinations

Oconee 1

Inservice Inspection Plan for Interval 4 Outage 4

ITEM NUMBER	ID NUMBER	SYS	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
G02.001.008B	1RC-200-161		1RC-200	NDE-960	UT	SS	2.500	Component	Safe End Pc. 47 adjoining Make-Up Nozzle 1A2. Perform UT on weld 1RC-200-161 and adjoining base metal out to weld 1RC-200-160 (at valve 1HP-126). This schedule cannot be changed. Revision 2 changed weld number from 1RC-200-7. Inspect with G04.001.031. The inspection performed for the G02 item number meets the requirements for the G04 inspection. Reference Section 7 of the ISI Plan, General Requirements.
	Circumferential	51A	O-ISIN 100A-1.1				0.375		
Class A					Safe End to Pipe				
G02.001.008C	1RC-201-101		1RC-201	NDE-960	UT	SS	2.500	Component	Safe End Pc. 47 adjoining HPI Nozzle 1B1. Perform UT on weld 1RC-201-101 and adjoining base metal out to weld 1RC-201-97 (at valve 1HP-153). This schedule cannot be changed. Revision 2 changed weld number from 1-51A-11-89. Inspect with G04.001.003. The inspection performed for the G02 item number meets the requirements for the G04 inspection. Reference Section 7 of the ISI Plan, General Requirements.
		51A	O-ISIN4-100A-1.1				0.375		
Class A					Safe End to Pipe				
G02.001.008D	1RC-201-105		1RC-201	NDE-960	UT	SS	2.500	Component	Safe End Pc. 47 adjoining HPI Nozzle 1B2. Perform UT on weld 1RC-201-105 and adjoining base metal out to weld 1RC-201-92 (at valve 1HP-152). This schedule cannot be changed. Revision 2 changed weld number from 1-51A-11-87. Inspect with G04.001.001. The inspection performed for the G02 item number meets the requirements for the G04 inspection. Reference Section 7 of the ISI Plan, General Requirements.
	Circumferential	51A	O-ISIN4-100A-1.1				0.375		
Class A					Safe End to Pipe				
G02.001.010A	1RC-199-149		1RC-199	NDE-960	UT	SS	2.500	Component	Make-Up Nozzle 1A1. Perform UT on weld 1RC-199-149 (at valve 1HP-127). This schedule cannot be changed. Inspect with G04.001.028. The inspection performed for the G02 item number meets the requirements for the G04 inspection. Reference Section 7 of the ISI Plan, General Requirements.
	Circumferential	51A	O-ISIN4-100A-1.1				0.375		
Class A					Pipe to Valve				

CATEGORY AUG, Augmented Inspections

DUKE ENERGY CORPORATION
INSERVICE INSPECTION PLAN MANAGEMENT
Inservice Inspection Database Management System

HPI Nozzle Safe End Examinations

Oconee 1

Inservice Inspection Plan for Interval 4 Outage 4

ITEM NUMBER	ID NUMBER	SYS	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
G02.001.010B	1RC-200-160		1RC-200	NDE-960	UT	SS	2.500	Component	Make-Up Nozzle 1A2. Perform UT on weld 1RC-200-160 (at valve 1HP-126). This schedule cannot be changed. Revision 2 changed weld number from 1RC-200-8 to 1RC-200-160. Inspect with G04.001.030. The inspection performed for the G02 item number meets the requirements for the G04 inspection. Reference Section 7 of the ISI Plan, General Requirements.
	Circumferential	51A	O-ISIN 100A-1.1				0.375		
Class A					Pipe to Valve				
G02.001.010C	1RC-201-97		1RC-201	NDE-960	UT	SS	2.500	Component	HPI Nozzle 1B1. Perform UT on weld 1RC-201-97 (at valve 1HP-153). This schedule cannot be changed. Revision 2 changed weld number from 1-51A-11-90. Inspect with G04.001.004. The inspection performed for the G02 item number meets the requirements for the G04 inspection. Reference Section 7 of the ISI Plan, General Requirements.
	Circumferential	51A	O-ISIN4-100A-1.1				0.375		
Class A					Pipe to Valve				
G02.001.010D	1RC-201-92		1RC-201	NDE-960	UT	SS	2.500	Component	HPI Nozzle 1B2. Perform UT on weld 1RC-201-92 (at valve 1HP-152). This schedule cannot be changed. Revision 3 changed weld number from 1-51A-11-88. Inspect with G04.001.002. The inspection performed for the G02 item number meets the requirements for the G04 inspection. Reference Section 7 of the ISI Plan, General Requirements.
	Circumferential	51A	O-ISIN4-100A-1.1				0.375		
Class A					Pipe to Valve				
G02.001.011A	1A1-THERM SLEEVE		ISI OCN1-011	NDE-105	RT	SS	3.500		Make-Up Nozzle 1A1. Perform RT between the nozzle to safe end and safe end to pipe weld in the thermal sleeve expansion area as described in procedure NDE-105. This schedule cannot be changed. Reference Section 7 of the ISI Plan, General Requirements.
	Circumferential	51A	O-ISIN4-100A-1.1				0.750		
Class A									
G02.001.011B	1A2-THERM SLEEVE		ISI OCN1-012	NDE-105	RT	SS	3.500		Make-Up Nozzle 1A2. Perform RT between the nozzle to safe end and safe end to pipe weld in the thermal sleeve expansion area as described in procedure NDE-105. This schedule cannot be changed. Reference Section 7 of the ISI Plan, General Requirements.
	Circumferential	51A	O-ISIN4-100A-1.1				0.750		
Class A									

CATEGORY AUG, Augmented Inspections

DUKE ENERGY CORPORATION
INSERVICE INSPECTION PLAN MANAGEMENT
Inservice Inspection Database Management System
Oconee 1
Inservice Inspection Plan for Interval 4 Outage 4

HPI Nozzle Safe End Examinations

ITEM NUMBER	ID NUMBER	SYS	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
G02.001.011C	1B1-THERM SLEEVE		ISI OCN1-013	NDE-105	RT	SS	3.500		HPI Nozzle 1B1. Perform RT between the nozzle to safe end and safe end to pipe weld in the thermal sleeve expansion area as described in procedure NDE-105. This schedule cannot be changed. Reference Section 7 of the ISI Plan, General Requirements.
	Circumferential	51A	O-ISIN4-100A-1.1				0.750		
Class A									
G02.001.011D	1B2-THERM SLEEVE		ISI OCN1-014	NDE-105	RT	SS	3.500		HPI Nozzle 1B2. Perform RT between the nozzle to safe end and safe end to pipe weld in the thermal sleeve expansion area as described in procedure NDE-105. This schedule cannot be changed. Reference Section 7 of the ISI Plan, General Requirements.
	Circumferential	51A	O-ISIN4-100A-1.1				0.750		
Class A									

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

CATEGORY AUG, Augmented Inspections

DUKE ENERGY CORPORATION
INSERVICE INSPECTION PLAN MANAGEMENT
Inservice Inspection Database Management System

Pressurizer Surge Line Examinations

Oconee 1

Inservice Inspection Plan for Interval 4 Outage 4

ITEM NUMBER	ID NUMBER	SYS	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
G03.001.001	1-PSL-11		ISI OCN1-015	NDE-35	PT	SS	1.000		Drain Nozzle to Pipe. Reference Section 7 of the ISI
	Circumferential	50				160	0.250		Plan, General Requirements.
Class A	Stress weld								

Total G03.001 Items: 1

Total G03 Items: 1

CATEGORY AUG, Augmented Inspections

DUKE ENERGY CORPORATION
INSERVICE INSPECTION PLAN MANAGEMENT
Inservice Inspection Database Management System
Oconee 1
Inservice Inspection Plan for Interval 4 Outage 4

Thermal Stress Piping Examinations

ITEM NUMBER	ID NUMBER	SYS	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
G04.001.001 Class A	1RC-201-105 Circumferential	51A	1RC-201 O-ISIN4-100A-1.1	NDE-960	UT Pipe to Safe-End	SS	2.500 0.375		Inspect 100% of weld & 1" of base material (axial & circumferential). Revision 2 changed weld number from 1-51A-11-87. Inspect with G02.001.008D. The inspection performed for the G02 item number meets the requirements for the G04 inspection. Reference Section 7 of the ISI Plan, General Requirements.
G04.001.002 Class A	1RC-201-92 Circumferential	51A	1RC-201 O-ISIN4-101A-1.4	NDE-960	UT Pipe to Valve 1HP-152	SS	2.500 0.375		Inspect 100% of weld & 1" of base material (axial & circumferential). Revision 3 changed weld number from 1-51A-11-88. Inspect with G02.001.010D. The inspection performed for the G02 item number meets the requirements for the G04 inspection. Reference Section 7 of the ISI Plan, General Requirements.
G04.001.003 Class A	1RC-201-101 Circumferential	51A	1RC-201 O-ISIN4-101A-1.4	NDE-960	UT Pipe to Safe-End	SS	2.500 0.375		Inspect 100% of weld & 1" of base material (axial & circumferential). Revision 2 changed weld number from 1-51A-11-89. Inspect with G02.001.008C. The inspection performed for the G02 item number meets the requirements for the G04 inspection. Reference Section 7 of the ISI Plan, General Requirements.
G04.001.004 Class A	1RC-201-97 Circumferential	51A	1RC-201 O-ISIN4-101A-1.4	NDE-960	UT Pipe to Valve 1HP-153	SS	2.500 0.375		Inspect 100% of weld & 1" of base material (axial & circumferential). Revision 2 changed weld number from 1-51A-11-90. Inspect with G02.001.010C. The inspection performed for the G02 item number meets the requirements for the G04 inspection. Reference Section 7 of the ISI Plan, General Requirements.
G04.001.013 Class A	1RC-201-91 Circumferential	51A	1RC-201 O-ISIN4-101A-1.4	See Com NDE-12	UT Valve 1HP-489 to Valve 1HP-152	SS	2.500 0.375		Use procedure EPRI-NDEC-UT-X to perform a circumferential scan of the weld and one half inch of base metal on each side of the weld as access permits. Use procedure NDE-12 to perform RT on 100% of the weld and one quarter inch of base metal on each side of the weld. See PIP # O-99-02-02157 and PIP # O-01-04673 for examination methods and area of coverage for this item number. Reference Section 7 of the ISI Plan,

CATEGORY AUG, Augmented Inspections

DUKE ENERGY CORPORATION
INSERVICE INSPECTION PLAN MANAGEMENT
Inservice Inspection Database Management System
Oconee 1
Inservice Inspection Plan for Interval 4 Outage 4

Thermal Stress Piping Examinations

ITEM NUMBER	ID NUMBER	SYS	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
									General Requirements.
G04.001.014 Class A	1RC-201-96 Circumferential	51A	1RC-201 O-ISIN4-101A-1.4	See Com NDE-12	UT Valve 1HP-488 to Valve 1HP-153	SS	2.500 0.375		Use procedure EPRI-NDEC-UT-X to perform a circumferential scan of the weld and one half inch of base metal on each side of the weld as access permits. Use procedure NDE-12 to perform RT on 100% of the weld and one quarter inch of base metal on each side of the weld. See PIP # O-99-02-02157 and PIP # O-01-04673 for examination methods and area of coverage for this item number. Reference Section 7 of the ISI Plan, General Requirements.
G04.001.020 Class A	1RC-200-166 Circumferential	51A	1RC-200	See Com NDE-12	UT Valve 1HP-486 to Valve 1HP-126	SS	2.500 0.375		Use procedure EPRI-NDEC-UT-X to perform a circumferential scan of the weld and one half inch of base metal on each side of the weld as access permits. Use procedure NDE-12 to perform RT on 100% of the weld and one quarter inch of base metal on each side of the weld. See PIP # O-99-02-02157 and PIP # O-01-04673 for examination methods and area of coverage for this item number. Reference Section 7 of the ISI Plan, General Requirements.
G04.001.024 Class A	1RC-199-150 Circumferential	51A	1RC-199	See Com NDE-12	UT Valve 1HP-127 to Valve 1HP-487	SS	2.500 0.375		Use procedure EPRI-NDEC-UT-X to perform a circumferential scan of the weld and one half inch of base metal on each side of the weld as access permits. Use procedure NDE-12 to perform RT on 100% of the weld and one quarter inch of base metal on each side of the weld. See PIP # O-99-02-02157 and PIP # O-01-04673 for examination methods and area of coverage for this item number. Reference Section 7 of the ISI Plan, General Requirements.
G04.001.028 Class A	1RC-199-149 Circumferential	51A	1RC-199 O-ISIN4-100A-1.1	NDE-960	UT Pipe to Valve 1HP-127	SS	2.500 0.375		Inspect 100% of weld & 1" of base material (axial & circumferential). Inspect with G02.001.010A. The inspection performed for the G02 item number meets the requirements for the G04 inspection. Reference Section 7 of the ISI Plan, General

CATEGORY AUG, Augmented Inspections

DUKE ENERGY CORPORATION
INSERVICE INSPECTION PLAN MANAGEMENT
Inservice Inspection Database Management System
Oconee 1
Inservice Inspection Plan for Interval 4 Outage 4

Thermal Stress Piping Examinations

ITEM NUMBER	ID NUMBER	SYS	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
G04.001.029 Class A	1RC-199-154 Circumferential	51A	1RC-199 O-ISIN4-100A-1.1	NDE-960	UT Safe End Pc. 47 to Pipe	SS	2.500 0.375		Inspect 100% of weld & 1" of base material (axial & circumferential). Revision 2 changed weld number from 1-RC-199-94. Inspect with G02.001.008A. The inspection performed for the G02 item number meets the requirements for the G04 inspection. Reference Section 7 of the ISI Plan, General Requirements.
G04.001.030 Class A	1RC-200-160 Circumferential	51A	1RC-200 O-ISIN4-100A-1.1	See Com	UT Pipe to Valve 1HP-126	SS	2.500 0.375		Inspect 100% of weld & 1" of base material (axial & circumferential). Revision 2 changed weld number from 1RC-200-8 to 1RC-200-160. Inspect with G02.001.010B. The inspection performed for the G02 item number meets the requirements for the G04 inspection. Reference Section 7 of the ISI Plan, General Requirements. Procedure EPRI-NDEC-UT-X
G04.001.031 Class A	1RC-200-161 Circumferential	51A	1RC-200 O-ISIN 100A-1.1	NDE-960	UT Safe End Pc. 47 to Pipe	SS	2.500 0.375		Inspect 100% of weld & 1" of base material (axial & circumferential). Revision 2 changed weld number from 1RC-200-7. Inspect with G02.001.008B. The inspection performed for the G02 meets the requirements for the G04 inspection. Reference Section 7 of the ISI Plan, General Requirements.

Total G04.001 Items: 12

Total G04 Items: 12

CATEGORY AUG, Augmented Inspections

DUKE ENERGY CORPORATION
INSERVICE INSPECTION PLAN MANAGEMENT
Inservice Inspection Database Management System

Class 1 RTE Mounting Bosses

Oconee 1

Inservice Inspection Plan for Interval 4 Outage 4

ITEM NUMBER	ID NUMBER	SYS	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
G10.001.008	1-PIA2-12		ISI-OCN1-008	NDE-35	PT	CS-Inconel	8.750		RTE Mounting Pipe. This weld covers the Z-W Quadrant. The diameter of hole that penetrates the nozzle into the RCP 1A2 Suction Piping = .613". Reference Section 7 of the ISI Plan, General Requirements.
	Branch	50	OM-201-1845				2.250		
Class A					Pipe Salvaged to Pipe				
	Dissimilar								

Total G10.001 Items: 1

Total G10 Items: 1