INSERVICE INSPECTION REPORT

UNIT 1 OCONEE 1995 REFUELING OUTAGE 16

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

NRC Docket No. 50-269

Commercial Service Date: July 15, 1973

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

Revision 0

Prepared By: R G Louise Date 2/12/96

Reviewed By: L C Keith Date 2-12-96

Approved By: J O Barhour Date 2/20/96

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102 Pages

FORM NIS-1 OWNERS' DATA REPORT FOR INSERVICE INSPECTION S

As required by the Provisions of the ASME Code Rules

1. **Owner:** Duke Power Company, 422 S. Church St.. Charlotte, NC 28201-1006
   (Name and Address of Owner)
2. **Plant:** Oconee Nuclear Station, Highway 130/183, Seneca, SC 29679
   (Name and Address of Plant)
3. **Plant Unit:** 1 4. **Owner Certificate of Authorization (if required)** N/A
5. **Commercial Service Date:** July 15, 1973 6. **National Board Number for Unit** N/A
7. **Components Inspected:**

Component or Appurentance	Manufacturer or Installer	Manufacturer or Installer Serial No.	State or Providence No.	National Board No.
See Section 1 Paragraph 1.5 in the Attached Report				

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

FORM NIS-1 (back)

8. **Examination Dates** 7/13/94 to 12/10/95 9. **Inspection Interval from** 7/15/94 to 7/15/2003

10. **Abstract of Examinations. Include a list of examinations and a statement concerning status of work required for current interval.** See attached report.

11. **Abstract of Conditions Noted.** See attached report.

12. **Abstract of Corrective Measures Recommended and Taken.** See attached report.

We certify that the statements made in this report are correct and the examinations and corrective measures taken conform to the rules of the ASME Code, Section XI..

Date 2/21 **19** 96 **Signed** Duke Power Co. **By** J.O. Barbour
Owner

Certificate of Authorization No. (if applicable) N/A Expiration Date N/A

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and/or the State or Province of N.C. **and employed by** *The HSBI&I Co. **of** Hartford, Ct. **have inspected the components described in this Owners Data Report during the period** 7-13-94 **to** 12-10-95 **and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owners' Data Report in accordance with the requirements of the ASME code, Section XI.**

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

Date 2-26-96 **19** 96

M.B. Chapman **Commissions** NC914
Inspector's Signature **National Board, State, Province and No.**

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

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1.0 General Information

This report describes the Inservice Inspection of Duke Power Company's Oconee Nuclear Station, Unit 1, during the 1995 Refueling Outage (also referred to as Outage 16). Outage 16 is in the first inspection period of the third ten year interval.

Included in this report are the final Inservice Inspection Plan, the inspection results for each item, a summary for each category of examination and corrective action taken when unacceptable conditions were found. In addition, there is a section included for repairs and replacements required since July 13, 1994.

1.1 Identification Numbers

Item	Manufacturer or Installer	Manufacturer or Installer Serial No.	State or Province No.	National Board No.
Reactor Vessel	Babcock & Wilcox	620-0003-51-52	N/A	N-101
Steam Generator A	Babcock & Wilcox	620-0003-55-1	N/A	N-103
Steam Generator B	Babcock & Wilcox	620-0003-55-2	N/A	N-104
Pressurizer	Babcock & Wilcox	620-0003-59	N/A	N-102

1.2 Authorized Nuclear Inservice Inspector(s)

Name: M. B. Chapman

Employer: The Hartford Steam Boiler Inspection & Insurance Company

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

2.0 *Summary of Inservice Inspection for Outage 16*

The information shown below provides an abstract of ASME Section XI Class 1, Class 2, and Augmented Items scheduled and examined during Outage 16 at Oconee Nuclear Station Unit 1.

2.1 *Class 1 Inspection*

Examination Category B-A Pressure Retaining Welds in Reactor Vessel

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

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

Item Number	*Description*	*Total Scheduled During Outage*	*Total Examined During Outage*
	Pressurizer		
B02.010	***Shell to Head Welds***		
B02.011	Circumferential	2	2
B02.012	Longitudinal	1	1

Examination Category B-B (Continued)

Item Number	*Description*	*Total Scheduled During Outage*	*Total Examined During Outage*
B02.020	***Head Welds***		
B02.021	Circumferential	NA	NA
B02.022	Meridional Welds	NA	NA
	Steam Generator		
B02.030	***Head Welds***		
B02.031	Circumferential	N/A	N/A
B02.032	Meridional	N/A	N/A
B02.040	***Tubesheet to Head Weld***	0	0
	Heat Exchangers (Primary Side)		
B02.050	***Head Welds***		
B02.051	Circumferential	0	0
B02.052	Meridional	NA	NA
	Shell Welds		
B02.060	Tubesheet to Head Welds	0	0
B02.070	Longitudinal Welds	NA	NA
B02.080	Tubesheet-To-Shell Welds	NA	NA
TOTALS		3	3

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

Item Number	*Description*	*Total Scheduled During Outage*	*Total Examined During Outage*
	Reactor Vessel		
B03.090	Nozzle-To-Vessel Welds	2	Ref. RFR ONS-006
B03.100	Nozzle Inside Radius Section	2	Ref. RFR ONS-006
	Pressurizer		
B03.110	Nozzle-To-Vessel Welds	3	3
B03.120	Nozzle Inside Radius Section	3	3

Examination Category B-D (Continued)

Item Number	*Description*	*Total Scheduled During Outage*	*Total Examined During Outage*
	Steam Generators (Primary Side)		
B03.130	Nozzle-To-Vessel Welds	2	2
B03.140	Nozzle Inside Radius Section	2	2
	Heat Exchangers (Primary Side)		
B03.150	Nozzle-To-Vessel Welds	0	0
B03.160	Nozzle Inside Radius Section	0	0
TOTALS		14	10

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

Item Number	*Description*	*Total Scheduled During Outage*	*Total Examined During Outage*
B04.010	***Partial Penetration Welds***		
B04.011	Vessel Nozzles	NA	NA
B04.012	Control Rod Drive Nozzles	0	0
B04.013	Instrumentation Nozzles	0	0
	Pressurizer		
B04.020	Heater Penetration Welds	NA	NA
TOTALS		0	0

Examination Category B-F Pressure Retaining Dissimilar Metal Welds

Item Number	*Description*	*Total Scheduled During Outage*	*Total Examined During Outage*
	Reactor Vessel		
B05.010	Nominal Pipe Size 4" or Larger Nozzle to Safe End Butt Welds	0	0
B05.020	Nominal Pipe Size Less Than 4" Nozzle to Safe End Butt Weld	NA	NA
B05.030	Nozzle-To-Safe End Socket Welds	NA	NA
	Pressurizer		
B05.040	Nominal Pipe Size 4" or Larger Nozzle to Safe End Butt Welds	0	0
B05.050	Nominal Pipe Size Less Than 4" Nozzle to Safe End Butt Weld	2	2
B05.060	Nozzle-To-Safe End Socket Welds	NA	NA
	Steam Generators		
B05.070	Nominal Pipe Size 4" or Larger Nozzle to Safe End Butt Welds	NA	NA
B05.080	Nominal Pipe Size Less Than 4" Nozzle to Safe End Butt Weld	NA	NA
B05.090	Nozzle-To-Safe End Socket Welds	NA	NA
	Heat Exchangers		
B05.100	Nominal Pipe Size 4" or Larger Nozzle to Safe End Butt Welds	NA	NA
B05.110	Nominal Pipe Size Less Than 4" Nozzle to Safe End Butt Weld	NA	NA
B05.120	Nozzle-To-Safe End Socket Welds	NA	NA
	Piping		
B05.130	Nominal Pipe Size 4" or Larger Dissimilar Metal Butt Welds	1	1

Examination Category B-F (Continued)

Item Number	*Description*	*Total Scheduled During Outage*	*Total Examined During Outage*
B05.140	Nominal Pipe Size Less Than 4" Dissimilar Metal Butt Welds	4	4
B05.150	Dissimilar Metal Socket Welds	NA	NA
TOTALS		7	7

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

Item Number	*Description*	*Total Scheduled During Outage*	*Total Examined During Outage*
	Reactor Vessel		
B06.010	Closure Head Nuts	20	20
B06.020	Closure Studs (in place)	NA	NA
B06.030	Closure Studs, (when removed)	20	20
B06.040	Threads in Flange	0	0
B06.050	Closure Washers, Bushings	1	1
	Pressurizer		
B06.060	Bolts and Studs	0	0
B06.070	Flange Surface (when connection disassembled)	0	0
B06.080	Nuts , Bushings and Washers	1	1
	Steam Generators		
B06.090	Bolts and Studs	NA	NA
B06.100	Flange Surface (when connection disassembled)	NA	NA
B06.110	Nuts , Bushings and Washers	NA	NA
	Heat Exchangers		
B06.120	Bolts and Studs	NA	NA

Examination Category B-G-1 (Continued)

Item Number	*Description*	*Total Scheduled During Outage*	*Total Examined During Outage*
B06.130	Flange Surface (when connection disassembled)	NA	NA
B06.140	Nuts , Bushings and Washers	NA	NA
	Piping		
B06.150	Bolts and Studs	NA	NA
B06.160	Flange Surface (when connection disassembled)	NA	NA
B06.170	Nuts , Bushings and Washers	NA	NA
	Pumps		
B06.180	Bolts and Studs	0	0
B06.190	Flange Surface (when connection disassembled)	0	0
B06.200	Nuts , Bushings and Washers	0	0
	Valves		
B06.210	Bolts and Studs	NA	NA
B06.220	Flange Surface (when connection disassembled)	NA	NA
B06.230	Nuts , Bushings and Washers	NA	NA
TOTALS		42	42

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

Item Number	*Description*	*Total Scheduled During Outage*	*Total Examined During Outage*
	Reactor Vessel		
B07.010	Bolts, Studs, and Nuts	NA	NA
	Pressurizer		
B07.020	Bolts, Studs, and Nuts	0	0
	Steam Generators		
B07.030	Bolts, Studs, and Nuts	2	2
	Heat Exchangers		
B07.040	Bolts, Studs, and Nuts	NA	NA
	Piping		
B07.050	Bolts, Studs, and Nuts	2	2
	Pumps		
B07.060	Bolts, Studs, and Nuts	1	1
	Valves		
B07.070	Bolts, Studs, and Nuts	0	0
	CRD Housings		
B07.080	Bolts, Studs, and Nuts In CRD Housing When Disassembled	2	2
TOTALS		7	7

Examination Category B-H Integral Attachments for Vessels

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

Examination Category B-J Pressure Retaining Welds in Piping

Item Number	*Description*	*Total Scheduled During Outage*	*Total Examined During Outage*
B09.010	Nominal Pipe Size 4" or Larger		
B09.011	Circumferential Welds	7	7
B09.012	Longitudinal Welds[1]	8	8
B09.020	Nominal Pipe Size Less Than 4"		
B09.021	Circumferential Welds	5	5
B09.022	Longitudinal Welds	NA	NA
B09.030	Branch Pipe Connection Welds		

[1] Longitudinal welds that intersect circumferential welds are examined as required by Table IWB 2500-1, Examination Category B-J. However, for reporting purposes, the totals do not reflect the number of longitudinal welds examined during this outage.

Examination Category B-J (Continued)

Item Number	*Description*	*Total Scheduled During Outage*	*Total Examined During Outage*
B09.031	Nominal Pipe Size 4" or Larger	1	1
B09.032	Nominal Pipe Size Less Than 4"	0	0
B09.040	Socket Welds	0	0
TOTALS		21	21

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

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

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

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

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

Examination Category B-N-1 **Interior of Reactor Vessel**

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

B-N-3 **Removable Core Support Structures**

Item Number	*Description*	*Total Scheduled During Outage*	*Total Examined During Outage*
	Reactor Vessel		
B13.010	Vessel Interior (B-N-1)	0	0
	Reactor Vessel (PWR)		
B13.050	Interior Attachments Within The Beltline Region (B-N-2)	NA	NA

Examination Category B-N-1, B-N-2 & B-N-3 (Continued)

Item Number	*Description*	*Total Scheduled During Outage*	*Total Examined During Outage*
	Reactor Vessel (PWR)		
B13.070	Core Support Structure (B-N-3)	0	0
TOTALS		0	0

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

Item Number	*Description*	*Total Scheduled During Outage*	*Total Examined During Outage*
	Reactor Vessel		
B14.010	Welds in CRD Housing	1	1
TOTALS		1	1

Examination Category B-P All Pressure Retaining Components

Item Number	*Description*	*Total Scheduled During Outage*	*Total Examined During Outage*
	Reactor Vessel		
B15.010	Pressure Retaining Boundary	Covered under B15.050.001	Covered under B15.050.001
B15.011	Pressure Retaining Boundary	Covered under B15.051.001	Covered under B15.051.001
	Pressurizer		
B15.020	Pressure Retaining Boundary	Covered under B15.050.001	Covered under B15.050.001
B15.021	Pressure Retaining Boundary	Covered under B15.051.001	Covered under B15.051.001

Examination Category B-P (Continued)

Item Number	*Description*	*Total Scheduled During Outage*	*Total Examined During Outage*
	Steam Generators		
B15.030	Pressure Retaining Boundary	Covered under B15.050.001	Covered under B15.050.001
B15.031	Pressure Retaining Boundary	Covered under B15.051.001	Covered under B15.051.001
	Heat Exchangers		
B15.040	Pressure Retaining Boundary	Covered under B15.050.001	Covered under B15.050.001
B15.041	Pressure Retaining Boundary	Covered under B15.051.001	Covered under B15.051.001
	Piping		
B15.050	Pressure Retaining Boundary	1	1
B15.051	Pressure Retaining Boundary	0	0
	Pumps		
B15.060	Pressure Retaining Boundary	Covered under B15.050.001	Covered under B15.050.001
B15.061	Pressure Retaining Boundary	Covered under B15.051.001	Covered under B15.051.001
	Valves		
B15.070	Pressure Retaining Boundary	Covered under B15.050.001	Covered under B15.050.001
B15.071	Pressure Retaining Boundary	Covered under B15.051.001	Covered under B15.051.001
TOTALS		1	1

Examination Category B-Q Steam Generator Tubing

Item Number	*Description*	*Total Scheduled During Outage*	*Total Examined During Outage*
B16.010	Steam Generator Tubing in Straight Tube Design	NA[2]	NA
B16.020	Steam Generator Tubing in U-Tube Design	NA	NA
TOTALS		NA	NA

Examination Category F-A Component Supports

Item Number	*Description*	*Total Scheduled During Outage*	*Total Examined During Outage*
F1.010	Class 1 Piping Supports (Reference Section 4.0 of this report)	5	5
F1.040	Class 1 Supports Other Than Piping (Reference Section 4.0 of this report)	0	0
F1.050	Class 1 Snubbers	15	15
TOTALS		20	20

[2] Steam Generator Tubing is examined and documented by Diversified Services Group of the Electric System Support Department as required by the Station Technical Specifications and is not included in this report.

2.2 *Class 2 Inspections*

Examination Category C-A **Pressure Retaining Welds in Pressure Vessel**

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

Examination Category C-B **Pressure Retaining Nozzle Welds in Vessels**

Item Number	*Description*	*Total Scheduled During Outage*	*Total Examined During Outage*
C02.010	Nozzles in Vessels ≤ $^1/_2$" Nominal Thickness		
C02.011	Nozzle-to-Shell (or Head) Weld	0	0
C02.020	Nozzles Without Reinforcing Plate In Vessels > $^1/_2$" Nominal Thickness		
C02.021	Nozzle-to-Shell (or Head) Weld	1	1
C02.022	Nozzle Inside Radius Section	1	1
C02.030	Nozzles With Reinforcing Plate in Vessels > $^1/_2$" Nominal Thickness		
C02.031	Reinforcing Plate Welds to Nozzle and Vessel	0	0

Examination Category C-B (Continued)

Item Number	*Description*	*Total Scheduled During Outage*	*Total Examined During Outage*
C02.032	Nozzle-to-Shell (or Head) Welds When Inside of Vessel Is Accessible	N/A	N/A
C02.033	Nozzle-to-Shell (or Head) Welds When Inside of Vessel is Inaccessible	3	0 (Welds not examined during pressure test)
TOTALS		5	2

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

Item Number	*Description*	*Total Scheduled During Outage*	*Total Examined During Outage*
	Pressure Vessels		
C03.010	Integrally Welded Attachments	0	0
	Piping		
C03.020	Integrally Welded Attachments	14	14
	Pumps		
C03.030	Integrally Welded Attachments	1	1
	Valves		
C03.040	Integrally Welded Attachments	NA	NA
TOTALS		15	15

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

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

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

Item Number	*Description*	*Total Scheduled During Outage*	*Total Examined During Outage*
C05.010	Piping Welds ≥ 3/8" Nominal Wall Thickness for Piping > NPS 4		
C05.011	Circumferential Weld	1	1
C05.012	Longitudinal Welds [3]	NA	NA
C05.020	Piping Welds > 1/5" Nominal Wall Thickness for Piping ≥ NPS 2 and ≤ NPS 4		
C05.021	Circumferential Welds	18	18
C05.022	Longitudinal Welds[3]	NA	NA

[3] Longitudinal welds that intersect circumferential welds are examined as required by Table IWC 2500-1, Examination Category C-F. However, for reporting purposes, the totals do not reflect the number of longitudinal welds examined during this outage.

Examination Category C-F-1 (Continued)

Item Number	*Description*	*Total Scheduled During Outage*	*Total Examined During Outage*
C05.030	Socket Welds	0	0
C05.040	Pipe Branch Connections of Branch Piping ≥ NPS 2		
C05.041	Circumferential Weld	5	5
C05.042	Longitudinal Weld [3]	NA	NA
TOTALS		24	24

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

Item Number	*Description*	*Total Scheduled During Outage*	*Total Examined During Outage*
C05.050	Piping Welds ≥ $^3/_8$" Nominal Wall Thickness for Piping > NPS 4		
C05.051	Circumferential Weld	9	9
C05.052	Longitudinal Weld [3]	1	1
C05.060	Piping Welds > $^1/_5$" Nominal Wall Thickness for Piping ≥ NPS 2 and ≤ NPS 4		
C05.061	Circumferential Weld	NA	NA
C05.062	Longitudinal Weld [3]	NA	NA
C05.070	Socket Welds	NA	NA
C05.080	Pipe Branch Connections of Branch Piping ≥ NPS 2		
C05.081	Circumferential Weld	2	2
C05.082	Longitudinal Weld [3]	NA	NA
TOTALS		12	12

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

Item Number	*Description*	*Total Scheduled During Outage*	*Total Examined During Outage*
	Pumps		
C06.010	Pump Casing Welds	NA	NA
	Valves		
C06.020	Valve Body Welds	1	1
TOTALS		1	1

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

Item Number	*Description*	*Total Scheduled During Outage*	*Total Examined During Outage*
	Pressure Vessel		
C07.010	Pressure Retaining Components	covered under C07.030	covered under C07.030
C07.020	Pressure Retaining Components	covered under C07.040	covered under C07.040
	Piping		
C07.030	Pressure Retaining Components	13	13
C07.040	Pressure Retaining Components	0	0
	Pumps		
C07.050	Pressure Retaining Components	covered under C07.030	covered under C07.030
C07.060	Pressure Retaining Components	covered under C07.040	covered under C07.040
	Valves		
C07.070	Pressure Retaining Components	covered under C07.030	covered under C07.030
C07.080	Pressure Retaining Components	covered under C07.040	covered under C07.040
TOTALS		13	13

Examination Category F-A **Component Supports**

Item Number	*Description*	*Total Scheduled During Outage*	*Total Examined During Outage*
F1.020	Class 2 Supports (Reference Section 4.0 of this report)	16	16
F1.040	Class 2 Supports Other Than Piping (Reference Section 4.0 of this report)	1	1
F1.050	Class 2 Snubbers (Reference Section 4.0 of this report)	41	41
TOTALS		58	58

2.3 Augmented Inspections

Item Number	*Description*	*Total Scheduled During Outage*	*Total Examined During Outage*
G01.001	Reactor Coolant Pump Flywheel	4	0 (Not disassembled)
G02.001	HPI Nozzle Safe End Examinations	0	0
G03.001	Pressurizer Surge Line Examinations	0	0
G04.001	Thermal Stress Piping (NRC Bulletin 88-08)	10	10
G05.001	Pressurizer Spray Piping Thermal Transient Inspection	0	0
G06.001	Auxiliary Feedwater Header Water Hammer Examinations (PSC21-82)	1	1
G07.001	Augmented Examination of Longitudinal Piping Welds With A Nominal Wall Thickness < $^3/_8$" and > NPS 4"	0	0

Augmented Inspections (Continued)

Item Number	*Description*	*Total Scheduled During Outage*	*Total Examined During Outage*
G08.001	Pressurizer Sensing/ Sampling Nozzle Safe Ends	0	0
G09.001	Class 2 Piping Welds NPS > 4" With Nominal Wall Thickness< $^3/_8$"	8	8
G10.001	Class 1 RTE Mounting Bosses	0	0
G11.001	Reactor Coolant Pumps 3A2 and 3B1 Alternate Examinations	NA	NA
G12.001	HPI Upgrade	2	2

A detailed description of each examination listed in Sections 2.1 through 2.3 are located in Section 3 of this report. Results of each examination are located in Section 4 of this report.

3.0 Second Ten Year Inspection Status

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

Class 1 Inspections

Examination Category	Description	Inspections Required	Inspections Completed	Percentage Completed	[4]Deferral Allowed
B-A	Pressure Retaining Welds in Reactor Vessel	15 Welds	1 Welds	6.66 %	Yes
B-B	Pressure Retaining Welds in Vessels Other than Reactor Vessel	11 Welds	3 Welds	27.27%	No
B-D	Full Penetration Welds of Nozzles in Vessels	30 Inspections	7 Inspections	23.33 % (Ref. ONS-006)	Partial
B-E	Pressure Retaining Partial Penetration Welds in Vessels	31 Welds	0 Welds	0 %	No
B-F	Pressure Retaining Dissimilar Metal Welds	31 Welds	7 Welds	22.58 %	No
B-G-1	Pressure Retaining Bolting Greater than 2 Inch Diameter	134 Items	42 Items	31.34 %	Yes
B-G-2	Pressure Retaining Bolting 2 Inches and Less in Diameter	25 Items	7 Item	28 %	No
B-H	Integral Attachment for Vessels	N/A	N/A	N/A	N/A
B-J	Pressure Retaining Welds in Piping	134 Welds	12 Welds	8.95 %	No

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

Class 1 Inspections (Continued)

Examination Category	Description	Inspections Required	Inspections Completed	Percentage Completed	Deferral Allowed
B-K-1	Integral Attachments for Piping, Pumps and Valves	N/A	N/A	N/A	N/A
B-L-1	Pressure Retaining Welds in Pump Casings	1 Weld	0 Welds	0 %	Yes
B-L-2	Pump Casings	1 Casing	0 Casings	0 %	Yes
B-M-1	Pressure Retaining Welds in Valve Bodies	N/A	N/A	N/A	N/A
B-M-2	Valve Body > 4 in. Nominal Pipe Size	3 Valves	0 Valves	0 %	Yes
B-N-1	Interior of Reactor Vessel	3 Items	0 Items	0 %	No
B-N-2	Integrally Welded Core Support Structures and Interior Attachments to Reactor Vessels	N/A	N/A	N/A	N/A
B-N-3	Removable Core Support Structures	1 Item	0 Items	0 %	Yes
B-O	Pressure Retaining Welds in Control Rod Housings	3 Housings	1 Housing	33.33 %	Yes
B-P	All Pressure Retaining Components				No
	System Leakage Test	5 Components	1 Component	20 %	
	System Hydrostatic Test	1 Component	0 Components	0 %	
B-Q	Steam Generator Tubing	N/A	N/A	N/A	N/A
F1.01	Class 1 Component Supports	25 Supports	5 Supports	20 %	No

Class 1 Inspections (Continued)

Examination Category	Description	Inspections Required	Inspections Completed	Percentage Completed	Deferral Allowed
F1.40	Class 1Component Supports (Supports Other Than Piping Supports)	4 Supports	0 Supports	0 %	No
F1.50	Class 1Component Supports (Snubbers)	15 Supports	15	100 %	No

Class 2 Inspections

Examination Category	Description	Inspections Required	Inspections Completed	Percentage Completed	Deferral Allowed
C-A	Pressure Retaining Welds in Pressure Vessels	14 Welds	1 Welds	7.14 %	No
C-B	Pressure Retaining Nozzle Welds in Vessels	12 Welds	1 Welds	8.33 %	No
C-C	Integral Attachments for Vessels, Piping, Pumps and Valves	94 Attachments	14 Attachments	14.89 %	No
C-D	Pressure Retaining Bolting Exceeding 2 Inches in Diameter	1	0	0 %	NA
C-F-1	Pressure Retaining Welds in Austentic Stainless Steel or High Alloy Piping	145 Welds	24 Welds	16.55 %	No
C-F-2	Pressure Retaining Welds in Carbon or Low Alloy Steel Piping	62 Welds	11 Welds	17.74 %	No
C-G	Pressure Retaining Welds in Pumps and Valves	1	1	100 %	N/A
C-H	All Pressure Retaining Components				No
	System or Component Inservice Inspection/Functional Test	76 Components	1 Components	1.32 %	

Class 2 Inspections (Continued)

Examination Category	Description	Inspections Required	Inspections Completed	Percentage Completed	Deferral Allowed
	System Hydrostatic Test	38 Components	0 Components	0 %	
F1.02	Class 2 Component Supports	105 Supports	16 Supports	15.23 %	No
F1.40	Class 2 Component Supports (Supports Other Than Piping Supports)	10 Supports	1 Supports	10 %	No
F1.50	Class 2 Component Supports (Snubbers)	41 Supports	41	100 %	No

Augmented Inspections

Description	Percentage Complete
Reactor Coolant Pump Flywheels (Item No. Series G01)	0 % (RCP was not disassembled)
HPI Nozzle Safe End Examinations (Item No. Series G02)	0 % (Not scheduled for examination)
Pressurizer Surge Line Drain Line (Item No. Series G03)	0 % (Not scheduled for examination)
Thermal Stress Piping (Item No. Series G04)	100 % of EOC 16
Pressurizer Spray Piping Thermal Transient Inspection (Item No. Series G05)	0 % (Not scheduled for examination)
Auxiliary Feedwater Header Water Hammer (Item No. Series G06)	100 % of EOC 16
Augmented Examination of Longitudinal Piping Welds With A Nominal Wall Thickness < $^3/_8$" and > NPS 4" (Item No. Series G07)	0 % (Not scheduled for examination)
Pressurizer Sensing/ Sampling Nozzle Safe Ends (Item No. Series G08)	0 % (Not scheduled for examination)

Augmented Inspections (Continued)

Class 2 Piping Welds NPS Greater Than 4" With A Nominal Wall Thickness Less Than $^3/_8$" (Item No. Series G09)	100% of EOC 16
Class 1 RTE Mounting Bosses (Item No. Series G10)	0 % (Not scheduled for examination)
HPI Upgrade (Item No. Series G12)	100 % of EOC 16

4.0 *Final Inservice Inspection Plan For Outage 16*

The final ISI Plan shown in this section lists all ASME Section XI Class 1 and ASME Section XI Class 2, and Augmented examinations credited for Outage 16 at Oconee Nuclear Station Unit 1.

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

A. Items examined by NDE methods

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

CATEGORY B-A, Pressure Retaining Welds in Reactor Vessel

[redacted] Shell-to-Flange Weld

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

ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
B01.030.002	1-RPV-WR19	ISI OCN1-001	ISI-138	UT	CS	171.000	50304	Reactor Vessel Flange Pc. 7 to Nozzle Belt Upper Course Pc. 8. UT from Flange Surface (manual scan)
	Circumferential	OM-201-1877	NDE-650			12.000		
Class A				Rx Head Flange to RV Nozzle belt				

Total B01.030 Items: 1

Total Category B-A Items: 1

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

[redacted] Pressurizer

ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
****** Shell-to-Head Welds; Circumferential ******								
B02.011.001	1-PZR-WP76	ISI OCN1-002	NDE-620	UT	CS	84.000	40387	Pressurizer Upper Head Pc. 5 to Upper Shell Course Pc. 1. Material thickness ranges from 6.50" to 4.750" due to taper of material.
	Circumferential	OM-201-1878	NDE-640			4.750		
Class A				Pzr (01) to Pzr (05)				
B02.011.003	1-PZR-WP4	ISI OCN1-002	NDE-620	UT	CS	84.000	40387	Lower shell to heater belt shell (inspect in the third interval during the first,second and third periods per IWB 2420(B).)
	Circumferential	OM-201-1878	NDE-640			6.188		
Class A				Pzr (03) to 04/41				
Total B02.011 Items:	**2**							
****** Shell-to-Head Welds; Longitudinal ******								
B02.012.001	1-PZR-WP1-1	ISI OCN1-002	NDE-620	UT	CS	84.000	40387	Pressurizer Upper Shell Course Pc. 1 to Pc. 1.
	Longitudinal	OM-201-1878	NDE-640			6.188		
Class A				Pzr Upper Shell Course to Pzr Upper Shell Course				
Total B02.012 Items:	**1**							
Total Category B-B Items:	**3**							

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

Reactor Vessel

ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
****** Nozzle-to-Vessel Welds ******								
B03.090.001A	1-RPV-WR13	ISI OCN1-001	ISI-138	UT	CS	60.000	40390	X- Outlet Nozzle to Vessel Pc. 19 to Pc. 08 & 09. UT From Nozzle ID.
Circumferential		OM-201-1877				12.000		
Class A				Nozzle Rx Head Nozzle to Rx Nozzle belt				
B03.090.002A	1-RPV-WR13A	ISI OCN1-001	ISI-138	UT	CS	60.000	50304	Z- Outlet Nozzle to Vessel Pc. 19 to Pc. 08 & 09. UT From Nozzle ID. Note: For inspection in Outage 1 see Request for Relief ONS-006.
Circumferential		OM -201-1877				12.000		
Class A				Nozzle RX Head Nozzle to RX Nozzle Belt				

Total B03.090 Items: **2**

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

[redacted] Reactor Vessel

ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
****** Nozzle Inside Radius Section ******								
B03.100.001	1-RPV-WR13	ISI OCN1-001 OM-201-1877	ISI-138	UT	CS	60.000 12.000	50304	X-Outlet Nozzle to Vessel Pc. 19 to Pc. 08 & 09. (Inside Radius Section). Note: For inspection in Outage 1 see Request for Relief ONS-006.
Class A				Nozzle RX Head Nozzle to RX Nozzle Belt				
B03.100.002	1-RPV-WR13A	ISI OCN1-001 OM-201-1877	ISI-138	UT	CS	60.000 12.000	50304	Z-Outlet Nozzle to Vessel Pc. 19 to Pc. 08 & 09. (Inside Radius Section). Note: For inspection in Outage 1 see Request for Relief ONS-006.
Class A				Nozzle RX Head Nozzle to RX Nozzle Belt				

Total B03.100 Items: **2**

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

Pressurizer

ITEM NUMBER	ID NUMBER	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-620	UT	CS	7.750	40394	Pzr Spray Nozzle Pc. 9 to Upper Head Pc. 5.
	Circumferential	B&W129261E	NDE-640			4.750		
Class A				Pzr Spray Nozzle to Pzr Upper Head				
B03.110.003	1-PZR-WP33-3	ISI OCN1-002	NDE-620	UT	CS	6.875	40394	Pzr Relief Nozzle Pc. 31 to Upper Head Pc. 5 between W & Z Axis.
	Circumferential	OM-201-1878	NDE-640			4.750		
Class A		B&W129262E		Pzr Relief Nozzle to Pzr Upper Head				
B03.110.004	1-PZR-WP33-2	ISI OCN1-002	NDE-620	UT	CS	6.875	40394	Pzr Relief Nozzle Pc. 31 to Upper Head Pc. 5 on Y & X Axis.
	Circumferential	OM-201-1878	NDE-640			4.750		
Class A		B&W129262E		Pzr Relief Nozzle to Pzr Upper Head				

Total B03.110 Items: 3

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

[redacted]Pressurizer

ITEM NUMBER	ID NUMBER	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 OM-201-1878	NDE-680	UT	CS	7.750 4.750	40394	Pressurizer Spray Nozzle Pc. 9 to Upper Head Pc. 5. (Inside Radius Section).
Class A		B&W129261E		Pzr Spray Nozzle to Pzr Upper Head				
B03.120.003	1-PZR-WP33-3	ISI OCN1-002 OM-201-1878	NDE-680	UT	CS	6.875 4.750	40394	Pressurizer Relief Nozzle Pc. 31 to Upper Head Pc. 5 between W & Z Axis. (Inside Radius Section).
Class A		B&W129262E		Pzr Relief Nozzle to Pzr Upper Head				
B03.120.004	1-PZR-WP33-2	ISI OCN1-002 OM-201-1878	NDE-680	UT	CS	6.875 4.750	40394	Pressurizer Relief Nozzle Pc. 31 to Upper Head Pc. 5 on Y & X Axis. (Inside Radius Section).
Class A		B&W129262E		Pzr Relief Nozzle to Pzr Upper Head				

Total B03.120 Items: 3

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

Steam Generators (Primary Side)

ITEM NUMBER	ID NUMBER	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-620	UT	CS	38.380	40393	Steam Generator 1A Outlet Nozzle Pc. 65 to Head Pc. 07 W-Z Axis.
	Circumferential	OM-201-1873	NDE-640			8.500		
Class A		B&W129317E		SGA Lower Head to Nozzle Outlet Nozzle				
B03.130.002	1-SGA-WG50-1	ISI-OCN1-003	NDE-620	UT	CS	38.380	40393	Steam Generator 1A Outlet Nozzle Pc. 65 to Head Pc. 07 Y-Z Axis.
	Circumferential	OM-201-1873	NDE-640			8.500		
Class A		B&W129317E		SGA Lower Head to Nozzle Outlet Nozzle				

Total B03.130 Items: 2

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

Steam Generators (Primary Side)

ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
****** Nozzle Inside Radius Section ******								
B03.140.001	1-SGA-WG50-2	ISI-OCN1-003 OM-201-1873	NDE-680	UT	CS	38.380 8.500	40393	Steam Generator 1A Outlet Nozzle Pc. 65 to Head Pc. 7. W-Z Axis. (Inside Radius Section).
Class A		B&W129317E		SGA Lower Head to Outlet Nozzle				
B03.140.002	1-SGA-WG50-1	ISI-OCN1-003 OM-201-1873	NDE-680	UT	CS	38.380 8.500	40393	Steam Generator 1A Outlet Nozzle Pc. 65 to Head Pc. 7. Y-Z Axis. (Inside Radius Section).
Class A		B&W129317E		SGA Lower Head to Outlet Nozzle				

Total B03.140 Items: 2

Total Category B-D Items: 14

CATEGORY B-F, Pressure Retaining Dissimilar Metal Welds

[redacted] Pressurizer

ITEM NUMBER	ID NUMBER	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 Safe End Pc. 32
	Circumferential	B&W129262E				0.000		X-Y Axis.
Class A				Nozzle Piece 31 to				
	Dissimilar			Safe End Pc.32				
B05.050.003	1-PZR-WP91-3	ISI OCN1-002	NDE-35	PT	SS/CS	2.500		Pressurizer Relief Nozzle Pc. 31 to Safe End Pc. 32
	Circumferential	B&W129262E				0.000		Z-W Axis.
Class A				Nozzle Piece 31 to				
	Dissimilar			Safe End Pc.32				

Total B05.050 Items: **2**

CATEGORY B-F, Pressure Retaining Dissimilar Metal Welds

[redacted] Piping

ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
****** NPS 4 or Larger; Dissimilar Metal Butt Welds ******								
B05.130.001	1-PIA1-7	ISI OCN1-007	NDE-610	UT	SS/CS	33.500	40350	Examine from the pipe side.
	Circumferential	OM-201-1845				2.330		
Class A	Stress weld			Pipe to				
	Dissimilar			Safe end				
B05.130.001A	1-PIA1-7	ISI OCN1-007	NDE-610	UT	SS/CS	33.500	40397	Examine from the safe end side.
	Circumferential	OM-201-1845				2.330		
Class A	Stress weld			Pipe to				
	Dissimilar			Safe end				
B05.130.001B	1-PIA1-7	ISI OCN1-007	NDE-35	PT	SS/CS	33.500		
	Circumferential	OM-201-1845				2.330		
Class A	Stress weld			Pipe to				
	Dissimilar			Safe end				

Total B05.130 Items: 3

CATEGORY B-F, Pressure Retaining Dissimilar Metal Welds

Piping

ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
****** Less Than NPS 4; Dissimilar Metal Butt Welds ******								
B05.140.001	1-PIA1-11	ISI OCN1-007	NDE-35	PT	CS/Inconel	3.500		
	Circumferential	OM-201-1870				0.816		
Class A								Nozzle to
	Dissimilar							Safe end
B05.140.003	1-PDA1-11	ISI OCN1-011	NDE-35	PT	SS/CS	3.500		
	Circumferential	OM-201-1845				0.750		
Class A								Nozzle Pressure injection nozzle to
	Dissimilar							Safe end
B05.140.009	1-50-01-34	1-50-01(1)	NDE-35	PT	SS/Inconel	1.500		
	Circumferential					0.281		
Class A								Pipe to
	Dissimilar							Elbow
B05.140.010	1-50-01-2	1-50-01(2)	NDE-35	PT	SS/Inconel	1.500		
	Circumferential	OFD-100A-1.1				0.281		
Class A								to
	Dissimilar							Elbow

Total B05.140 Items: 4

Total Category B-F Items: 9

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

Reactor Vessel

ITEM NUMBER	ID NUMBER	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-201-0005 B&W128723E	NDE-25	MT	CS	9.250 1.300		Reactor Vessel Closure Nut
Class A				to				
B06.010.002	1-RPV-26-203-02	OM-201-0005 B&W128723E	NDE-25	MT	CS	9.250 1.300		Reactor Vessel Closure Nut
Class A				to				
B06.010.003	1-RPV-26-203-03	OM-201-0005 B&W128723E	NDE-25	MT	CS	9.250 1.300		Reactor Vessel Closure Nut
Class A				to				
B06.010.004	1-RPV-26-203-04	OM-201-0005 B&W128723E	NDE-25	MT	CS	9.250 1.300		Reactor Vessel Closure Nut
Class A				to				
B06.010.005	1-RPV-26-203-05	OM-201-0005 B&W128723E	NDE-25	MT	CS	9.250 1.300		Reactor Vessel Closure Nut
Class A				to				
B06.010.006	1-RPV-26-203-06	OM-201-0005 B&W128723E	NDE-25	MT	CS	9.250 1.300		Reactor Vessel Closure Nut
Class A				to				
B06.010.007	1-RPV-26-203-07	OM-201-0005 B&W128723E	NDE-25	MT	CS	9.250 1.300		Reactor Vessel Closure Nut
Class A				to				
B06.010.008	1-RPV-26-203-08	OM-201-0005 B&W128723E	NDE-25	MT	CS	9.250 1.300		Reactor Vessel Closure Nut
Class A				to				

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

[redacted] Reactor Vessel

ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK CAL BLOCKS	COMMENTS
B06.010.009	1-RPV-26-203-09	OM-201-0005 B&W128723E	NDE-25	MT	CS	9.250 1.300	Reactor Vessel Closure Nut
Class A				to			
B06.010.010	1-RPV-26-203-10	OM-201-0005 B&W128723E	NDE-25	MT	CS	9.250 1.300	Reactor Vessel Closure Nut
Class A				to			
B06.010.011	1-RPV-26-203-11	OM-201-0005 B&W128723E	NDE-25	MT	CS	9.250 1.300	Reactor Vessel Closure Nut
Class A				to			
B06.010.012	1-RPV-26-203-12	OM-201-0005 B&W128723E	NDE-25	MT	CS	9.250 1.300	Reactor Vessel Closure Nut
Class A				to			
B06.010.013	1-RPV-26-203-13	OM-201-0005 B&W128723E	NDE-25	MT	CS	9.250 1.300	Reactor Vessel Closure Nut
Class A				to			
B06.010.014	1-RPV-26-203-14	OM-201-0005 B&W128723E	NDE-25	MT	CS	9.250 1.300	Reactor Vessel Closure Nut
Class A				to			
B06.010.015	1-RPV-26-203-15	OM-201-0005 B&W128723E	NDE-25	MT	CS	9.250 1.300	Reactor Vessel Closure Nut
Class A				to			
B06.010.016	1-RPV-26-203-16	OM-201-0005 B&W128723E	NDE-25	MT	CS	9.250 1.300	Reactor Vessel Closure Nut
Class A				to			

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

[redacted] Reactor Vessel

ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK CAL BLOCKS	COMMENTS
B06.010.017	1-RPV-26-203-17	OM-201-0005 B&W128723E	NDE-25	MT	CS	9.250 1.300	Reactor Vessel Closure Nut
Class A				to			
B06.010.018	1-RPV-26-203-18	OM-201-0005 B&W128723E	NDE-25	MT	CS	9.250 1.300	Reactor Vessel Closure Nut
Class A				to			
B06.010.019	1-RPV-26-203-19	OM-201-0005 B&W128723E	NDE-25	MT	CS	9.250 1.300	Reactor Vessel Closure Nut
Class A				to			
B06.010.020	1-RPV-26-203-20	OM-201-0005 B&W128723E	NDE-25	MT	CS	9.250 1.300	Reactor Vessel Closure Nut
Class A				to			

Total B06.010 Items: **20**

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

[redacted] Reactor Vessel

ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
****** Closure Studs, when removed ******								
B06.030.001	1-RPV-25-203-01	OM-201-0005 B&W128723E	NDE-944	UT	CS	6.500 0.000	40420	Reactor Vessel Closure Stud - Removed. Stud Length = 63.250.
Class A				to				
B06.030.001A	1-RPV-25-203-01	OM-201-0005 B&W128723E	NDE-25	MT	CS	6.500 0.000		Reactor Vessel Closure Stud - Removed. Stud Length = 63.250.
Class A				to				
B06.030.002	1-RPV-25-203-02	OM-201-0005 B&W128723E	NDE-944	UT	CS	6.500 0.000	40420	Reactor Vessel Closure Stud - Removed. Stud Length = 63.250.
Class A				to				
B06.030.002A	1-RPV-25-203-02	OM-201-0005 B&W128723E	NDE-25	MT	CS	6.500 0.000		Reactor Vessel Closure Stud - Removed. Stud Length = 63.250.
Class A				to				
B06.030.003	1-RPV-25-203-03	OM-201-0005 B&W128723E	NDE-944	UT	CS	6.500 0.000	40420	Reactor Vessel Closure Stud - Removed. Stud Length = 63.250.
Class A				to				
B06.030.003A	1-RPV-25-203-03	OM-201-0005 B&W128723E	NDE-25	MT	CS	6.500 0.000		Reactor Vessel Closure Stud - Removed. Stud Length = 63.250.
Class A				to				
B06.030.004	1-RPV-25-203-04	OM-201-0005 B&W128723E	NDE-944	UT	CS	6.500 0.000	40420	Reactor Vessel Closure Stud - Removed. Stud Length = 63.250.
Class A				to				
B06.030.004A	1-RPV-25-203-04	OM-201-0005 B&W128723E	NDE-25	MT	CS	6.500 0.000		Reactor Vessel Closure Stud - Removed. Stud Length = 63.250.
Class A				to				

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

[redacted] Reactor Vessel

ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
B06.030.005	1-RPV-25-203-05	OM-201-0005 B&W128723E	NDE-944	UT	CS	6.500 0.000	40420	Reactor Vessel Closure Stud - Removed. Stud Length = 63.250.
Class A				to				
B06.030.005A	1-RPV-25-203-05	OM-201-0005 B&W128723E	NDE-25	MT	CS	6.500 0.000		Reactor Vessel Closure Stud - Removed. Stud Length = 63.250.
Class A				to				
B06.030.006	1-RPV-25-203-06	OM-201-0005 B&W128723E	NDE-944	UT	CS	6.500 0.000	40420	Reactor Vessel Closure Stud - Removed. Stud Length = 63.250.
Class A				to				
B06.030.006A	1-RPV-25-203-06	OM-201-0005 B&W128723E	NDE-25	MT	CS	6.500 0.000		Reactor Vessel Closure Stud - Removed. Stud Length = 63.250.
Class A				to				
B06.030.007	1-RPV-25-203-07	OM-201-0005 B&W128723E	NDE-944	UT	CS	6.500 0.000	40420	Reactor Vessel Closure Stud - Removed. Stud Length = 63.250.
Class A				to				
B06.030.007A	1-RPV-25-203-07	OM-201-0005 B&W128723E	NDE-25	MT	CS	6.500 0.000		Reactor Vessel Closure Stud - Removed. Stud Length = 63.250.
Class A				to				
B06.030.008	1-RPV-25-203-64	OM-201-0005 B&W128723E	NDE-944	UT	CS	6.500 0.000	40420	Reactor Vessel Closure Stud - Removed. Stud Length = 63.250.
Class A				to				
B06.030.008A	1-RPV-25-203-64	OM-201-0005 B&W128723E	NDE-25	MT	CS	6.500 0.000		Reactor Vessel Closure Stud - Removed. Stud Length = 63.250.
Class A				to				

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

Reactor Vessel

ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
B06.030.009	1-RPV-25-203-09	OM-201-0005 B&W128723E	NDE-944	UT	CS	6.500 0.000	40420	Reactor Vessel Closure Stud - Removed. Stud Length = 63.250.
Class A				to				
B06.030.009A	1-RPV-25-203-09	OM-201-0005 B&W128723E	NDE-25	MT	CS	6.500 0.000		Reactor Vessel Closure Stud - Removed. Stud Length = 63.250.
Class A				to				
B06.030.010	1-RPV-25-203-10	OM-201-0005 B&W128723E	NDE-944	UT	CS	6.500 0.000	40420	Reactor Vessel Closure Stud - Removed. Stud Length = 63.250.
Class A				to				
B06.030.010A	1-RPV-25-203-10	OM-201-0005 B&W128723E	NDE-25	MT	CS	6.500 0.000		Reactor Vessel Closure Stud - Removed. Stud Length = 63.250.
Class A				to				
B06.030.011	1-RPV-25-203-11	OM-201-0005 B&W128723E	NDE-944	UT	CS	6.500 0.000	40420	Reactor Vessel Closure Stud - Removed. Stud Length = 63.250.
Class A				to				
B06.030.011A	1-RPV-25-203-11	OM-201-0005 B&W128723E	NDE-25	MT	CS	6.500 0.000		Reactor Vessel Closure Stud - Removed. Stud Length = 63.250.
Class A				to				
B06.030.012	1-RPV-25-203-12	OM-201-0005 B&W128723E	NDE-944	UT	CS	6.500 0.000	40420	Reactor Vessel Closure Stud - Removed. Stud Length = 63.250.
Class A				to				
B06.030.012A	1-RPV-25-203-12	OM-201-0005 B&W128723E	NDE-25	MT	CS	6.500 0.000		Reactor Vessel Closure Stud - Removed. Stud Length = 63.250.
Class A				to				

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

[redacted] Reactor Vessel

ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
B06.030.013	1-RPV-25-203-13	OM-201-0005 B&W128723E	NDE-944	UT	CS	6.500 0.000	40420	Reactor Vessel Closure Stud - Removed. Stud Length = 63.250.
Class A				to				
B06.030.013A	1-RPV-25-203-13	OM-201-0005 B&W128723E	NDE-25	MT	CS	6.500 0.000		Reactor Vessel Closure Stud - Removed. Stud Length = 63.250.
Class A				to				
B06.030.014	1-RPV-25-203-14	OM-201-0005 B&W128723E	NDE-944	UT	CS	6.500 0.000	40420	Reactor Vessel Closure Stud - Removed. Stud Length = 63.250.
Class A				to				
B06.030.014A	1-RPV-25-203-14	OM-201-0005 B&W128723E	NDE-25	MT	CS	6.500 0.000		Reactor Vessel Closure Stud - Removed. Stud Length = 63.250.
Class A				to				
B06.030.015	1-RPV-25-203-15	OM-201-0005 B&W128723E	NDE-944	UT	CS	6.500 0.000	40420	Reactor Vessel Closure Stud - Removed. Stud Length = 63.250.
Class A				to				
B06.030.015A	1-RPV-25-203-15	OM-201-0005 B&W128723E	NDE-25	MT	CS	6.500 0.000		Reactor Vessel Closure Stud - Removed. Stud Length = 63.250.
Class A				to				
B06.030.016	1-RPV-25-203-62	OM-201-0005 B&W128723E	NDE-944	UT	CS	6.500 0.000	40420	Reactor Vessel Closure Stud - Removed. Stud Length = 63.250.
Class A				to				
B06.030.016A	1-RPV-25-203-62	OM-201-0005 B&W128723E	NDE-25	MT	CS	6.500 0.000		Reactor Vessel Closure Stud - Removed. Stud Length = 63.250.
Class A				to				

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

[redacted] Reactor Vessel

ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
B06.030.017	1-RPV-25-203-17	OM-201-0005 B&W128723E	NDE-944	UT	CS	6.500 0.000	40420	Reactor Vessel Closure Stud - Removed. Stud Length = 63.250.
Class A				to				
B06.030.017A	1-RPV-25-203-17	OM-201-0005 B&W128723E	NDE-25	MT	CS	6.500 0.000		Reactor Vessel Closure Stud - Removed. Stud Length = 63.250.
Class A				to				
B06.030.018	1-RPV-25-203-18	OM-201-0005 B&W128723E	NDE-944	UT	CS	6.500 0.000	40420	Reactor Vessel Closure Stud - Removed. Stud Length = 63.250.
Class A				to				
B06.030.018A	1-RPV-25-203-18	OM-201-0005 B&W128723E	NDE-25	MT	CS	6.500 0.000		Reactor Vessel Closure Stud - Removed. Stud Length = 63.250.
Class A				to				
B06.030.019	1-RPV-25-203-19	OM-201-0005 B&W128723E	NDE-944	UT	CS	6.500 0.000	40420	Reactor Vessel Closure Stud - Removed. Stud Length = 63.250.
Class A				to				
B06.030.019A	1-RPV-25-203-19	OM-201-0005 B&W128723E	NDE-25	MT	CS	6.500 0.000		Reactor Vessel Closure Stud - Removed. Stud Length = 63.250.
Class A				to				
B06.030.020	1-RPV-25-203-20	OM-201-0005 B&W128723E	NDE-944	UT	CS	6.500 0.000	40420	Reactor Vessel Closure Stud - Removed. Stud Length = 63.250.
Class A				to				
B06.030.020A	1-RPV-25-203-20	OM-201-0005 B&W128723E	NDE-25	MT	CS	6.500 0.000		Reactor Vessel Closure Stud - Removed. Stud Length = 63.250.
Class A				to				

Total B06.030 Items: 40

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

[redacted] Reactor Vessel

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

Total B06.050 Items: 1

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

[redacted] Pressurizer

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

Total B06.080 Items: 1

Total Category B-G-1 Items: 62

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

Steam Generators

ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
****** Bolts, Studs, and Nuts ******								
B07.030.002	1-SGA-LMW-BOLTS		QAL-13	VT-1	SS	0.000		Steam Generator 1A Lower Head Manway Studs and Nuts (Total 16 Studs Pc. 111 and Nuts Pc. 109).
		OM-201-550				0.000		
Class A		OM-201-352		to				
B07.030.006	1-SGA-LHIC-BOLTS		QAL-13	VT-1	SS	0.000		Steam Generator 1A Lower Head Inspection Cover Studs and Nuts. (Total 12 Studs Pc. 112 and Nuts Pc. 110).
		OM-201-550				0.000		
Class A		OM-201-352		to				

Total B07.030 Items: 2

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

Piping

ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
****** Bolts, Studs, and Nuts ******								
B07.050.003	1-PZR-RC67-BOLT		QAL-13	VT-1	CS	1.125		Pressurizer Relief Valve RC-67 Nozzle Flange Bolting
		B&W129262E				0.000		(Between W&X Axis) Total 8 Bolts; 16 Nuts .
Class A		OM-201-1026		to				
B07.050.004	1-PZR-RC68-BOLT		QAL-13	VT-1	CS	1.125		Pressurizer Relief Valve RC-68 Nozzle Flange Bolting
		B&W129262E				0.000		(Noz. 15 degrees off Y- Axis) Total 8 Bolts; 16 Nuts.
Class A		OM-201-1026		to				

Total B07.050 Items: **2**

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

[redacted]Pumps

ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
****** Bolts, Studs, and Nuts ******								
B07.060.003	1-RCP-1B1-SEAL		QAL-13	VT-1	CS	2.000		Reactor Coolant Pump 1B1 Lower Seal Housing Bolts - 12 Cap Screws Pc. 26.
		OM-201D-34				0.000		
Class A		OM-201D-0057		to				Inspect lower seal house bolting from only 1 reactor coolant pump.

Total B07.060 Items: 1

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

CRD Housings

ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
****** Bolts, Studs, and Nuts ******								
B07.080.001	1-RPV-CRD-BOLTS	OM-201-2248 DPS 706599-1056	QAL-13	VT-1	CS	1.250 0.000		CRD Housing Bolts (Total 8 Bolts) 2 Connections inspected to date; CRD # 38, # 59.(Inspect only if Disassembled). Reference Request for Relief ONS-004 & ONS-005.
Class A		B&W152006E		to				
B07.080.002	1-RPV-CRD-RINGS	OM-201-2248 DPS 706599-1056	QAL-13	VT-1	CS	11.500 1.250		CRD Housing Rings ; 1 Pair per CRD Housing. 2 Connections inspected to date ; CRD # 38, #59.(Inspect only if Disassembled)
Class A		B&W152006E		to				

Total B07.080 Items: 2

Total Category B-G-2 Items: 7

CATEGORY B-J, Pressure Retaining Welds In Piping

NPS 4 or Larger

ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
****** Circumferential Welds ******								
B09.011.001	1-PIA1-9	ISI OCN1-007	NDE-610	UT	SS	36.500	40397	
	Circumferential	OM-201-1846				2.330		
Class A	Stress weld			Safe end to				
	Dissimilar			RC pump 1A1				
B09.011.001A	1-PIA1-9	ISI OCN1-007	NDE-35	PT	SS	36.500		
	Circumferential	OM-201-1846				2.330		
Class A	Stress weld			Safe end to				
	Dissimilar			RC pump 1A1				
B09.011.004	1-PIA1-5	ISI OCN1-007	NDE-600	UT	CS	33.500		Reference Request for Relief 95-GO-03 for
	Circumferential	B&W 131914E6				2.330		calibration block.
Class A				Elbow to				
				Pipe				
B09.011.004A	1-PIA1-5	ISI OCN1-007	NDE-25	MT	CS	33.500		
	Circumferential	B&W131914E6				2.330		
Class A				Elbow to				
				Pipe				
B09.011.005	1-PIA1-4	ISI OCN1-007	NDE-600	UT	CS	33.500		Reference Request for Relief 95-GO-03 for
	Circumferential	B&W 131914E6				2.330		calibration block.
Class A	Stress weld			Pipe to				
				Elbow				
B09.011.005A	1-PIA1-4	ISI OCN1-007	NDE-25	MT	CS	33.500		
	Circumferential	B&W131914E6				2.330		
Class A	Stress weld			Pipe to				
				Elbow				
B09.011.007	1-PIA1-2	ISI OCN1-007	NDE-600	UT	CS	33.500		Reference Request for Relief 95-GO-03 for
	Circumferential	B&W 131914E6				2.330		calibration block.
Class A	Stress weld			Pipe to				
				Elbow				
B09.011.007A	1-PIA1-2	ISI OCN1-007	NDE-25	MT	CS	33.500		
	Circumferential	B&W 131914E6				2.330		
Class A	Stress weld			Pipe to				
				Elbow				

CATEGORY B-J, Pressure Retaining Welds In Piping

NPS 4 or Larger

ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK CAL BLOCKS	COMMENTS
B09.011.008	1-PIA1-1	ISI OCN1-007	NDE-600	UT	CS	33.500	Reference Request for Relief 95-GO-03 for calibration block.
	Circumferential	B&W 131914E6				2.330	
Class A	Term end / Stress weld			Steam Generator A1 to Pipe			
B09.011.008A	1-PIA1-1	ISI OCN1-007	NDE-25	MT	CS	33.500	
	Circumferential	B&W 131914E6				2.330	
Class A	Term end / Stress weld			Steam Generator A1 to Pipe			
B09.011.011	1-PDA1-4	ISI OCN1-011	NDE-600	UT	CS	33.500	Reference Request for Relief 95-GO-03 for calibration block.
	Circumferential	B&W 131913E11				2.330	
Class A				Elbow to Pipe			
B09.011.011A	1-PDA1-4	ISI OCN1-011	NDE-25	MT	CS	33.500	
	Circumferential	B&W 131913E11				2.330	
Class A				Elbow to Pipe			
B09.011.036	1-PIB1-5	ISI OCN1-009	NDE-600	UT	CS	33.500	Inspect during the 1st, 2nd and 3rd period in order to comply with surveillance requirements. Inspection in 3rd period (RFO 20) is for surveillance and for the required examination for the 3rd interval. Reference Request for Relief 95-GO-03 for calibration block.
	Circumferential	B&W 131914E6				2.330	
Class A				Elbow to Pipe			

Total B09.011 Items: 13

****** Longitudinal Welds ******

B09.012.001	1-PIA1-62LI	ISI OCN1-007	NDE-600	UT	CS	33.500	Inspect with Item Number B09.011.004. Reference Request for Relief 95-GO-03 for calibration block.
	Longitudinal	B&W 131914E6				2.330	
Class A				Elbow to Elbow			
B09.012.001A	1-PIA1-62LI	ISI OCN1-007	NDE-25	MT	CS	33.500	Inspect with Item Number B09.011.004A
	Longitudinal	B&W 131914E6				2.330	
Class A				Elbow to Elbow			

CATEGORY B-J, Pressure Retaining Welds In Piping

NPS 4 or Larger

ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
B09.012.002	1-PIA1-62LO	ISI OCN1-007	NDE-600	UT	CS	33.500		Reference Request for Relief 95-GO-03 for calibration block.
Longitudinal		B&W 131914E6				2.330		
Class A				Elbow to Elbow				
B09.012.002A	1-PIA1-62LO	ISI OCN1-007	NDE-25	MT	CS	33.500		
Longitudinal		B&W 131914E6				2.330		
Class A				Elbow to Elbow				
B09.012.003	1-PIA1-45LI	ISI OCN1-007	NDE-600	UT	CS	33.500		Inspect with Item Number B09.011.007. Reference Request for Relief 95-GO-03 for calibration block.
Longitudinal		B&W 131914E6				2.330		
Class A				Elbow to Elbow				
B09.012.003A	1-PIA1-45LI	ISI OCN1-007	NDE-25	MT	CS	33.500		Inspect with Item Number B09.011.007A
Longitudinal		B&W 131914E6				2.330		
Class A				Elbow to Elbow				
B09.012.004	1-PIA1-45LO	ISI OCN1-007	NDE-600	UT	CS	33.500		Inspect with Item Number B09.011.007. Reference Request for Relief 95-GO-03 for calibration block.
Longitudinal		B&W 131914E6				2.330		
Class A				Elbow to Elbow				
B09.012.004A	1-PIA1-45LO	ISI OCN1-007	NDE-25	MT	CS	33.500		Inspect with Item Number B09.011.007A
Longitudinal		B&W 131914E6				2.330		
Class A				Elbow to Elbow				
B09.012.007	1-PDA1-53LO	ISI OCN1-011	NDE-600	UT	CS	33.500		Reference Request for Relief 95-GO-03 for calibration block.
Longitudinal		B&W 131914E6				2.330		
Class A				Elbow to Elbow				
B09.012.007A	1-PDA1-53LO	ISI OCN1-011	NDE-25	MT	CS	33.500		
Longitudinal		B&W 131914E6				2.330		
Class A				Elbow to Elbow				

CATEGORY B-J, Pressure Retaining Welds In Piping

NPS 4 or Larger

ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
B09.012.008	1-PDA1-53LI	ISI OCN1-011	NDE-600	UT	CS	33.500		Reference Request for Relief 95-GO-03 for calibration block.
Longitudinal		B&W 131914E6				2.330		
Class A				Elbow to Elbow				
B09.012.008A	1-PDA1-53LI	ISI OCN1-011	NDE-25	MT	CS	33.500		
Longitudinal		B&W 131914E6				2.330		
Class A				Elbow to Elbow				
B09.012.051	1-PIA1-62LI	ISI OCN1-007	NDE-600	UT	CS	33.500		Inspect with Item Number B09.011.005. Reference Request for Relief 95-GO-03 for calibration block.
Longitudinal		B&W 131914E6				2.330		
Class A				Elbow to Elbow				
B09.012.051A	1-PIA1-62LI	ISI OCN1-007	NDE-25	MT	CS	33.500		Inspect with Item Number B09.011.005A
Longitudinal		B&W 131914E6				2.330		
Class A				Elbow to Elbow				
B09.012.052	1-PIA1-62LO	ISI OCN1-007	NDE-600	UT	CS	33.500		Inspect with Item Number B09.011.005. Reference Request for Relief 95-GO-03 for calibration block.
Longitudinal		B&W 131914E6				2.330		
Class A				Elbow to Elbow				
B09.012.052A	1-PIA1-62LO	ISI OCN1-007	NDE-25	MT	CS	33.500		Inspect with Item Number B09.011.005A
Longitudinal		B&W 131914E6				2.330		
Class A				Elbow to Elbow				

Total B09.012 Items: 16

CATEGORY B-J, Pressure Retaining Welds In Piping

Less Than NPS 4

ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
****** Circumferential Welds ******								
B09.021.032	1-51A-04-25C	1-51A-04	NDE-35	PT	SS	2.500		
	Circumferential	OFD-101A-1.4				0.375		
Class A				Elbow to Valve 1HP-127				
B09.021.033	1-51A-04-23C	1-51A-04	NDE-35	PT	SS	2.500		
	Circumferential	OFD-101A-1.4				0.375		
Class A				Elbow to Pipe				
B09.021.034	1-51A-04-14C	1-51A-04	NDE-35	PT	SS	2.500		
	Circumferential	OFD-101A-1.4				0.375		
Class A				Elbow to Pipe				
B09.021.037	1-51A-04-11C	1-51A-04	NDE-35	PT	SS	2.500		
	Circumferential	OFD-101A-1.4				0.375		
Class A				Pipe to Elbow				
B09.021.038	1-51A-04-9C	1-51A-04	NDE-35	PT	SS	2.500		
	Circumferential	OFD-101A-1.4				0.375		
Class A				Pipe to Elbow				

Total B09.021 Items: 5

CATEGORY B-J, Pressure Retaining Welds In Piping

Branch Pipe Connection Welds

ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
****** NPS 4 or Larger ******								
B09.031.003	1-PIB1-10	ISI OCN1-009	NDE-600	UT	CS	12.000		Reference Request for Relief 95-GO-03 for calibration block.
Branch		OM-201-595				2.250		
Class A				Pipe to Nozzle Drain nozzle				
B09.031.003A	1-PIB1-10	ISI OCN1-009	NDE-25	MT	CS	12.000		
Branch		OM-201-595				2.250		
Class A				Pipe to Nozzle Drain nozzle				

Total B09.031 Items: 2

Total Category B-J Items: 36

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

Reactor Vessel

ITEM NUMBER	ID NUMBER	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 OM-201-1059	NDE-35	PT	SS/Inconel	4.025 0.650	CRDM Housing Body MK-67 to Adapter MK-55.
Class A				Housing Body to Adapter			
B14.010.004	1-RPV-CRD-47W60	DPS 706599-1056 OFD-100A-1.1	NDE-35	PT	SS/CS	5.000 0.500	CRDM Base to Motor Tube - CRDM # 47.
Class A				Base to Motor Tube			
B14.010.007	1-RPV-CRD-47	DPS 706599-1056 OFD-100A-1.1	NDE-35	PT	SS/CS	4.300 0.400	CRDM Motor Tube to Extension - CRDM #47.
Class A				Motor Tube to Extension			
B14.010.010	1-RPV-CRD-47W61	DPS 706605-1058 OFD-100A-1.1	NDE-35	PT	SS	4.190 0.380	Peripheral CRDM Extension to Cap - CRDM #47.
Class A				Extension to Cap			

Total B14.010 Items: 4

Total Category B-O Items: 4

CATEGORY C-A, Pressure Retaining Welds in Pressure Vessels

Tubesheet-to-Shell Weld

ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
C01.030.001	1-SGA-WG60	OM-201-1873	NDE-620	UT	CS	138.000	40338	Steam Generator 1A Upper Tubesheet Pc. 51 to Shell Pc. 1.
Class B	Circumferential	ISI OCN1-003	NDE-640	Tubesheet to Shell		6.625		

Total C01.030 Items: 1

Total Category C-A Items: 1

CATEGORY C-B, Pressure Retaining Nozzle Welds In Vessels

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

ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
****** Nozzle-to-Shell (or Head) Weld ******								
C02.021.002	1-SGB-WG23-2	ISI-OCN1-004	NDE-620	UT	CS	29.000	40338	Steam Generator 1B Outlet Nozzle, X-Y Axis. Pc. 14 to Shell Pc. 03.
Circumferential		OM-201-1873	NDE-640			6.750		
Class B		OM-201-0034		Outlet Nozzle to Shell				
C02.021.002A	1-SGB-WG23-2	ISI-OCN1-004	NDE-25	MT	CS	29.000		Steam Generator 1B Outlet Nozzle, X-Y Axis. Pc. 14 to Shell Pc. 03.
Circumferential		OM-201-1873				6.750		
Class B		OM-201-0034		Outlet Nozzle to Shell				
Total C02.021 Items:	**2**							
****** Nozzle Inside Radius Section ******								
C02.022.002	1-SGB-WG23-2	ISI-OCN1-004	NDE-680	UT	CS	29.000	40338	Steam Generator 1B Outlet Nozzle, X-Y Axis. Piece 14 to Shell Pc. 03. (Inside Radius Section).
		OM-201-1873				6.750		
Class B				Outlet Nozzle to Shell				
Total C02.022 Items:	**1**							
Total Category C-B Items:	**3**							

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

Piping

ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
****** Integrally Welded Attachments ******								
C03.020.001	1-01A-H10A	0-480A	NDE-25	MT	CS	24.250		Calculaton No. OSC-1296-06;
	Constant support	OFD-122A-1.1				1.500		Problem No. 1-01-07; System 01A;PAGE# 6
Class B				to				(2)-24.23A MAIN STEAM FROM PEN 26 TO SG 1A
C03.020.009	1-01A-H5B	0-481A	NDE-25	MT	CS	24.250		Calculaton No. OSC-1296-06;
	Constant support	OFD-122A-1.1				1.000		Problem No. 1-01-08; System 01A;PAGE# 6
Class B				to				(1)-25.18; MAIN STEAM FROM PEN 28 TO SG 1B
C03.020.030	1-51-SR20	0-437A	NDE-35	PT	SS	4.000		Calculation No. OSC-1539, page 72; Problem No.
	Rigid support	OFD-101A-1.4			.	0.750		1-51-07. Reactor Coolant Pump Seal Injection
Class B		1-51-07		to				
C03.020.031	1-51-SR38	0-439A	NDE-35	PT	SS	4.000		Calculation No. OSC-1639, page 30.5; Problem No.
	Rigid support	OFD-101A-1.4			.	1.000		1-51-04. High Pressure Injection
Class B		1-51-04		to				
C03.020.033	1-51-SR47	0-439C	NDE-35	PT	SS	4.000		Calculaton No. OSC-1537
	Rigid support	OFD-101A-1.3				0.750		Page 55.1; Problem No. 1-51-5 . System 51
Class B				to				
C03.020.034	1-51-SR48	0-439E	NDE-35	PT	SS	4.000		Calculaton No. OSC-1537
	Rigid support	OFD-101A-1.3				0.750		Page 55.1; Problem No. 1-51-5 . System 51
Class B				to				
C03.020.035	1-51-SR49	0-444	NDE-35	PT	SS	4.000		Calculation No. OSC-1639, page 30.5; Problem No.
	Rigid support	OFD-101A-1.4			.	0.750		1-51-04. High Pressure Injection
Class B		1-51-04		to				
C03.020.037	1-51-SR51	0-444	NDE-35	PT	SS	4.000		Calculation No. OSC-1639, page 30.5; Problem No.
	Rigid support	OFD-101A-1.4			.	0.750		1-51-04. High Pressure Injection
Class B		1-51-04		to				

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

[redacted] Piping

ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
C03.020.038	1-51A-H115	0-435B	NDE-35	PT	SS	4.000		Calculaton No. OSC-1410
	Rigid support	OFD-101A-1.3				0.750		Page104; Problem No. 1-51-13 . System 51
Class B				to				HPI CROSS CONNECT & HEADER
C03.020.039	1-51A-H91	0-439C	NDE-35	PT	SS	4.000		Calculation No. OSC-1639, page 32.2; Problem No.
	Rigid support	OFD-101A-1.4				0.750		1-51-04. High Pressure Injection.
Class B		1-51-04		to				
C03.020.043	1-53B-H1	2-0-436E	NDE-35	PT	SS	14.000		Calculaton No. OSC-407;
	Rigid restraint	OFD-102A-1.1				0.216		Problem No. 1-53-1;SHT.2 OF 4 PAGE# 105.1;
Class B				to				SYSTEM 53 LP INJECTION LINE
C03.020.067	1-JWC-1707	0-490B-2A	NDE-25	MT	CS	0.000		Main Fdwtr. A-Rigid W-Z Axis Attach. closest to
	Rigid support	OM-201-0176				1.000		W Axis
Class B				to				
C03.020.068	1-JWC-1708	0-490B-2A	NDE-25	MT	CS	0.000		Main Fdwtr. A-Rigid W-Z Axis Attach. closest to Z
	Rigid support	OM-201-0176				1.000		Axis
Class B				to				

Total C03.020 Items: 13

Total Category C-C Items: 13

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

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

ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
****** Circumferential Weld ******								
C05.011.003	1-53A-01-30L	1-53A-01(3)	NDE-600	UT	SS	10.000		Reference Request for Relief 95-GO-03 for calibration block.
Circumferential		OFD-102A-1.2				1.125		Inspecting this weld in order to meet 7.5% of system 51B. Borrowing from system 53A Category C05.011.
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		OFD-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 [3] NPS 2 And [2] NPS 4

ITEM NUMBER	ID NUMBER	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		Reference Request for Relief 95-GO-03 for calibration block.
	Circumferential	OFD-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	OFD-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		Reference Request for Relief 95-GO-03 for calibration block.
	Circumferential	OFD-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	OFD-101A-1.4				0.531		
Class B				Pipe to Tee				
C05.021.007	1-51A-122-19	1-51A-122	NDE-600	UT	SS	4.000		Reference Request for Relief 95-GO-03 for calibration block.
	Circumferential	OFD-101A-1.4				0.531		
Class B				Pipe to Valve 1HP-410				
C05.021.007A	1-51A-122-19	1-51A-122	NDE-35	PT	SS	4.000		
	Circumferential	OFD-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		Reference Request for Relief 95-GO-03 for calibration block.
	Circumferential	OFD-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	OFD-101A-1.4				0.531		
Class B				Elbow to Pipe				

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

Piping Welds > 1/5 in. Nom Wall For Piping [3] NPS 2 And [2] NPS 4

ITEM NUMBER	ID NUMBER	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	Reference Request for Relief 95-GO-03 for calibration block.
	Circumferential	OFD-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	OFD-101A-1.3				0.531	
Class B				Elbow to Pipe			
C05.021.024	1-51A-125-13	1-51A-125	NDE-600	UT	SS	4.000	Reference Request for Relief 95-GO-03 for calibration block.
	Circumferential	OFD-101A-1.4				0.531	
Class B				Elbow to Pipe			
C05.021.024A	1-51A-125-13	1-51A-125	NDE-35	PT	SS	4.000	
	Circumferential	OFD-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	Reference Request for Relief 95-GO-03 for calibration block.
	Circumferential	OFD-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	OFD-101A-1.3				0.531	
Class B				Elbow to Pipe			
C05.021.045	1-51A-01-89A	1-51A-01(4)	NDE-600	UT	SS	4.000	Inspecting this weld in order to meet 7.5% of system 53B. Borrowing from system 51A category C5.21. Reference Request for Relief 95-GO-03 for calibration block.
	Circumferential	OFD-101A-1.3				0.531	
Class B				Tee to Tee			
C05.021.045A	1-51A-01-89A	1-51A-01(4)	NDE-35	PT	SS	4.000	Inspecting this weld in order to meet 7.5% of system 53B. Borrowing from system 51A category C5.21
	Circumferential	OFD-101A-1.3				0.531	
Class B				Tee to Tee			

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

Piping Welds > 1/5 in. Nom Wall For Piping [3] NPS 2 And [2] NPS 4

ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
C05.021.051	1-51A-02-16BA	1-51A-02	NDE-600	UT	SS	4.000		Inspecting this weld in order to meet 7.5% of system 53B. Borrowing from system 51A category C5.21. Reference Request for Relief 95-GO-03 for calibration block.
Circumferential		OFD-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		Inspecting this weld in order to meet 7.5% of system 53B. Borrowing from system 51A category C5.21
Circumferential		OFD-101A-1.4				0.531		
Class B				Pipe to Elbow				
C05.021.061	1-51A-03-99B	1-51A-03(2)	NDE-600	UT	SS	4.000		Inspecting this weld in order to meet 7.5% of system 54A. Borrowing from system 51A category C5.21. Reference Request for Relief 95-GO-03 for calibration block.
Circumferential		OFD-101A-1.4				0.531		
Class B				Pipe to Elbow				
C05.021.061A	1-51A-03-99B	1-51A-03(2)	NDE-35	PT	SS	4.000		Inspecting this weld in order to meet 7.5% of system 54A. Borrowing from system 51A category C5.21
Circumferential		OFD-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		Reference Request for Relief 95-GO-03 for calibration block.
Circumferential		OFD-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		OFD-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		Inspecting this weld in order to meet 7.5% of system 56. Borrowing from system 51A category C5.21. Reference Request for Relief 95-GO-03 for calibration block.
Circumferential		OFD-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		Inspecting this weld in order to meet 7.5% of system 56. Borrowing from system 51A category C5.21
Circumferential		OFD-101A-1.3				0.438		
Class B				Elbow to Valve 1HP-114				

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

Piping Welds > 1/5 in. Nom Wall For Piping [3] NPS 2 And [2] NPS 4

ITEM NUMBER	ID NUMBER	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	Reference Request for Relief 95-GO-03 for calibration block.
Circumferential		OFD-101A-1.3				0.216	Inspecting this weld in order to meet 7.5% of system 51B. Borrowing from system 51A Category C5.21
Class B				Pipe to Elbow			
C05.021.076A	1-51A-01-13A	1-51A-01(1)	NDE-35	PT	SS	3.000	Inspecting this weld in order to meet 7.5% of system 51B. Borrowing from system 51A Category C5.21
Circumferential		OFD-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	Reference Request for Relief 95-GO-03 for calibration block.
Circumferential		OFD-101A-1.3				0.531	Inspecting this weld in order to meet 7.5% of system 51B. Borrowing from system 51A Category C5.21
Class B				Pipe to Valve 1HP-115			
C05.021.082A	1-51A-01-106A	1-51A-01(4)	NDE-35	PT	SS	4.000	Inspecting this weld in order to meet 7.5% of system 51B. Borrowing from system 51A Category C5.21
Circumferential		OFD-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	Reference Request for Relief 95-GO-03 for calibration block.
Circumferential		OFD-101A-1.4				0.531	Inspecting this weld in order to meet 7.5% of system 51B. Borrowing from system 51A Category C5.21
Class B				Pipe to Tee			
C05.021.088A	1-51A-02-21B	1-51A-02	NDE-35	PT	SS	4.000	Inspecting this weld in order to meet 7.5% of system 51B. Borrowing from system 51A Category C5.21
Circumferential		OFD-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	Reference Request for Relief 95-GO-03 for calibration block.
Circumferential		OFD-101A-1.3				0.531	Inspecting this weld in order to meet 7.5% of system 51B. Borrowing from system 51A Category C5.21
Class B				Elbow to Elbow			
C05.021.094A	1-51A-02-7B	1-51A-02	NDE-35	PT	SS	4.000	Inspecting this weld in order to meet 7.5% of system 51B. Borrowing from system 51A Category C5.21
Circumferential		OFD-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 [3] NPS 2 And [2] NPS 4

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

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 [3]
NPS 2

ITEM NUMBER	ID NUMBER	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		OFD-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		OFD-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		OFD-102A-1.2				0.165		
Class B				Reinforcing collar to Pipe				
C05.041.024	1-53B-02-121ZA	1-53B-13	NDE-35	PT	SS	4.000		
Branch		OFD-102A-1.1				0.120		
Class B				Pipe to Pipe				
C05.041.025	1-53B-02-121Z	1-53B-13	NDE-35	PT	SS	4.000		Reinforcing collar weld at weld 121ZA.
Branch		OFD-102A-1.1				0.120		
Class B				Reinforcing collar to Pipe				

Total C05.041 Items: 5

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

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

ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
****** Circumferential Weld ******								
C05.051.006	1-MS17B-A	1-01A-1(1)	NDE-600	UT	CS	34.000		Grinnell subassembly MS17B. Reference Request for Relief 95-GO-03 for calibration block.
	Circumferential					1.164		
Class B				Elbow to Pipe				
C05.051.006A	1-MS17B-A	1-01A-1(1)	NDE-25	MT	CS	34.000		
	Circumferential					1.164		
Class B				Elbow to Pipe				
C05.051.009	1-01A-01-29C	1-01A-01(3)	NDE-600	UT	CS	12.000		Reference Request for Relief 95-GO-03 for calibration block.
	Circumferential	OFD-122A-1.1				0.562		
Class B				Pipe to Elbow				
C05.051.009A	1-01A-01-29C	1-01A-01(3)	NDE-25	MT	CS	12.000		
	Circumferential	OFD-122A-1.1				0.562		
Class B				Pipe to Elbow				
C05.051.012	1-01A-02-11BA	1-01A-02	NDE-600	UT	CS	24.000		Reference Request for Relief 95-GO-03 for calibration block.
	Circumferential	OFD-122A-1.1				0.969		
Class B	Term end			Reducer to Nozzle SG 1A				
C05.051.012A	1-01A-02-11BA	1-01A-02	NDE-25	MT	CS	24.000		
	Circumferential	OFD-122A-1.1				0.969		
Class B	Term end			Reducer to Nozzle SG 1A				
C05.051.017	1-01A-1-99	1-01A-01(2)	NDE-600	UT	CS	8.000		Reference Request for Relief 95-GO-03 for calibration block.
	Circumferential	OFD-122A-1.3				0.500		
Class B				Elbow to Pipe				
C05.051.017A	1-01A-1-99	1-01A-01(2)	NDE-25	MT	CS	8.000		
	Circumferential	OFD-122A-1.3				0.500		
Class B				Elbow to Pipe				

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

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

ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK CAL BLOCKS	COMMENTS
C05.051.030 Class B	1-FWD88-C Circumferential	1-FWD88	NDE-600	UT Elbow to Pipe	CS	14.000 0.750	Grinnell subassembly FWD88. Reference Request for Relief 95-GO-03 for calibration block.
C05.051.030A Class B	1-FWD88-C Circumferential	1-FWD88	NDE-25	MT Elbow to Pipe	CS	14.000 0.750	
C05.051.033 Class B	1-20B-21-16-2 Circumferential	1-20B-21 OFD-116A-1.1	NDE-600	UT Valve to Pipe 1PRV-1	CS	48.000 0.500	Reference Request for Relief 95-GO-03 for calibration block.
C05.051.033A Class B	1-20B-21-16-2 Circumferential	1-20B-21 OFD-116A-1.1	NDE-25	MT Valve to Pipe 1PRV-1	CS	48.000 0.500	
C05.051.036 Class B	1-LPSW-344-21 Circumferential	1-LPSW-344 OFD-124B-1.2	NDE-600	UT Pipe to Elbow	CS	8.000 0.500	Reference Request for Relief 95-GO-03 for calibration block.
C05.051.036A Class B	1-LPSW-344-21 Circumferential	1-LPSW-344 OFD-124B-1.2	NDE-25	MT Pipe to Elbow	CS	8.000 0.500	
C05.051.040 Class B	1-LPSW-345-17 Circumferential	1-LPSW-345 OFD-124B-1.2	NDE-600	UT Flange to Pipe	CS	8.000 0.500	Reference Request for Relief 95-GO-03 for calibration block.
C05.051.040A Class B	1-LPSW-345-17 Circumferential	1-LPSW-345 OFD-124B-1.2	NDE-25	MT Flange to Pipe	CS	8.000 0.500	

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

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

ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK CAL BLOCKS	COMMENTS
C05.051.049	1-LPSW-346-21	1-LPSW-346	NDE-600	UT	CS	8.000	Reference Request for Relief 95-GO-03 for calibration block.
Circumferential		OFD-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		OFD-124B-1.2				0.500	
Class B				Elbow to Pipe			

Total C05.051 Items: 18

****** Longitudinal Weld ******

C05.052.002	1-20B-21-16-2L	1-20B-21	NDE-600	UT	CS	48.000	Reference Request for Relief 95-GO-03 for calibration block. Examine with C05.051.033
Longitudinal		OFD-116A-1.1				0.500	
Class B				Valve to Pipe 1PRV-1			
C05.052.002A	1-20B-21-16-2L	1-20B-21	NDE-600	MT	CS	48.000	Reference Request for Relief 95-GO-03 for calibration block. Examine with C05.051.033A
Longitudinal		OFD-116A-1.1				0.500	
Class B				Valve to Pipe 1PRV-1			

Total C05.052 Items: 2

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

Pipe Branch Connections of Branch Piping [3]
NPS 2

ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
****** Circumferential Weld ******								
C05.081.004	1-03-09-40D	1-03-09	NDE-25	MT	CS	14.000		
Branch		OFD-121B-1.3				0.750		
Class B				Pipe to Tee				
C05.081.006	1-FWD67-A	1-FWD67	NDE-25	MT	CS	20.000		Grinnell subassembly FWD67
Branch						1.031		
Class B				Pipe to Pipe				

Total C05.081 Items: 2

Total Category C-F-2 Items: 65

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

[redacted]Valves

ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
****** Valve Body Welds ******								
C06.020.001	1-FDW-345	OM-245-659	NDE-25	MT	CS	6.000		Valve body weld on valve 1FDW-345
	Circumferential	OFD-121D-1.1				1.136		
Class B				Valve Body Neck to Valve Body				

Total C06.020 Items: 1

Total Category C-G Items: 1

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

Integral Attachment

ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK CAL BLOCKS	COMMENTS
****** Component Supports and Restraints ******							
D02.020.006	1-03-NPS-H16	0-478A	QAL-14	VT-3	NA	3.000	Calculaton No. OSC-1224-16
	Rigid restraint	OFD-121D-1.1				0.203	Page 44;Problem No.1- 03A-14.
Class C				to			System 03A
							AUX. SERVICE WATER PIPE
D02.020.009	1-03A-DE063	1-0-400B	QAL-14	VT-3	NA	6.000	Calculaton No. OSC-342
	Rigid restraint	OFD-121D-1.1				0.500	Page 103; Problem No. 03A-9 . System 03A
Class C				to			6"EMER. F.WTR. BYPASS
D02.020.031	1-03A-H72	1-0-437B	QAL-14	VT-3	NA	6.000	Calculaton No. OSC-1224-19
	Rigid restraint	OFD-121D-1.1				0.500	Page 27;Problem No.1- 03A-13.
Class C				to			System 03A
							AUX. SERVICE WATER PIPE
D02.020.066	1-04A-R5	2-0-439B	QAL-14	VT-3	NA	6.000	Calculaton No. OSC-1404
	Rigid restraint	OFD-121B-1.5				1.000	Page 77;Problem No.1- 04A-06.
Class C				to			System 04A OTSG SECONDARY SIDE DRAIN TO COND.
D02.020.067	1-04A-R6	2-0-439B	QAL-14	VT-3	NA	6.000	Calculaton No. OSC-1404
	Rigid restraint	OFD-121B-1.5				0.375	Page 77;Problem No.1- 04A-06.
Class C				to			System 04A OTSG SECONDARY SIDE DRAIN TO COND.
D02.020.068	1-07A-H12	6-0-402A	QAL-14	VT-3	NA	24.000	Calculaton No. OSC-361
	Rigid restraint	OFD-121A-1.7				1.750	Page 88.1;
Class C				to			Problem No.1-07A-01
							System 07A
D02.020.072	1-08-H4051	0-400A	QAL-14	VT-3	NA	10.000	Calculation Number OSC-1902 Sheet 2of 2; Problem
	Rigid restraint	OFD-122A-1.4				0.250	1-08-01 Page 39. System 08 Emergency Feedwater
Class C				to			Pump Turbine Exhaust to Condenser1B.
D02.020.075	1-14B-ASR17	0-436E	QAL-14	VT-3	NA	8.000	Calculation No. OSC-394, page 78; Problem No.
	Rigid restraint	OFD-121D-1.2				0.500	4-14-3, sh. 3. Auxiliary Feed water Lines from
Class C		4-14-3		to			Auxiliary Sevice Water Pump

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

Integral Attachment

ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK CAL BLOCKS	COMMENTS
D02.020.078	1-14B-CLF-901	0-400B	QAL-14	VT-3	NA	18.000	Calculation No. OS-395 Page 40, problem no.
	Rigid restraint	OFD-124A-1.1				0.322	1-14A-01 page 1 of 2. Low Pressure Service Water
Class C				to			
D02.020.084	1-14B-H2	1-0-439B	QAL-14	VT-3	NA	14.000	File OSC-1541 pg. 100. Low Pressure Service
	Rigid restraint	OFD-124B-1.2				0.500	Water Suppy from Penetration 21, 30, 31 and 32 to
Class C		1-14-06		to			Coolers 1A & 1B.
D02.020.089	1-14B-RMC-0503	0-439B	QAL-14	VT-3	NA	8.000	File OSC-376 pg. 78. Low Pressure Service Water
	Rigid restraint	OFD-124B-1.2				0.237	Discharge I. E. B. 79-14, System 14B, sheet 1 of 3
Class C		1-14-04		to			
D02.020.095	1-14B-SR43	1-0-439B	QAL-14	VT-3	NA	18.000	File OSC-376 pg. 78. Low Pressure Service Water
	Rigid restraint	OFD-124B-1.2				0.322	Discharge I. E. B. 79-14, System 14B, sheet 1 of 3
Class C		1-14-04		to			
D02.020.099	1-14B-SR60	0-437A	QAL-14	VT-3	NA	20.000	Calculaton No. OSC-1541;
	Rigid restraint	OFD-124B-1.1				1.000	Problem No. 1-14-06 SHT. 1 OF 3. System
Class C				to			14B;PAGE 100.1; LPSW SUPPLY TO RB
							COMPONENT COOLERS & LP COOLERS 1A & 1B
D02.020.102	1-57-H1	0-481A	QAL-14	VT-3	NA	12.000	Calculaton No. OS-1313-06
	Rigid restraint	OFD-100A-1.2				0.750	Page 44.1;Problem No.1-57-01.
Class C				SS to			System 57 Pressurizer Relief Valve System

Total D02.020 Items: 14

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

Integral Attachment

ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
****** Mechanical and Hydraulic Snubbers ******								
D02.030.003	1-03-H4171	0-401B	QAL-14	VT-3	NA	24.000		Calculation No. OS-336 Page 45a.1; Problem No. 1-03-01 Sheet 1 of 2. System 03 Auxiliary and Turbine Building. Inspect with Item No. F01.050.057
	Mech snubber	OFD-121B-1.3				0.322		
Class C				to				

Total D02.030 Items: 1

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

Integral Attachment

ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
****** Spring Type Supports ******								
D02.040.004	1-03-H50	0-551	QAL-14	VT-3	NA	24.000		Calculation No. OS-336 Page 45a.1; Problem No. 1-03-01 Sheet 1 of 2. System 03 Auxiliary and Turbine Building.
	Spring hanger	OFD-121B-1.3				0.187		
Class C				to				
D02.040.008	1-03-H63	0-439A	QAL-14	VT-3	NA	24.000		Calculation No. OS-336 Page 45a.1; Problem No. 1-03-01 Sheet 1 of 2. System 03 Auxiliary and Turbine Building.
	Spring hanger	OFD-121B-1.3				0.187		
Class C				to				
D02.040.015	1-14B-H20	0-436D	QAL-14	VT-3	NA	16.000		Calculaton No. OSC-396; Problem No. 1-14-04 SHT.2 OF 3. System 14B;PAGE 77; LP SERVICE WATER DISCHARGE
	Spring hanger	OFD-124B-1.1				0.187		
Class C				FIG# 163 to				

Total D02.040 Items: 3

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

[redacted]Integral Attachment

ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
****** Constant Load Type Supports ******								
D02.050.001	1-04A-R12	2-0-439B	QAL-14	VT-3	NA	6.000		Calculaton No. OSC-1404
	Constant support	OFD-121B-1.5				0.437		Page 77;Problem No.1- 04A-06.
Class C				to				System 04A OTSG SECONDARY SIDE DRAIN TO COND.

Total D02.050 Items: 1

Total Category D-B Items: 19

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

[redacted] Integral Attachment

ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
****** Component Supports and Restraints ******								
D03.020.001	1-56-DE034	4-0-437B	QAL-14	VT-3	NA	8.000		Calculaton No. OS-421
	Rigid restraint	OFD-104A-1.2				0.125		Page 95;Problem No.4-56-02.
Class C				to				System 56 Spent Fuel Cooling
								Fig.162 Size 8
D03.020.003	1-56-H17	5-0-437B	QAL-14	VT-3	NA	8.000		Calculaton No. OSC-1359-02
	Rigid restraint	OFD-104A-1.1				0.125		Page 28 ; Problem No.4-56-07
Class C				to				Spent Fuel Cooling (Suction Side)
								System 56 (Fig. 162 Size 8)
D03.020.008	1-56-H5133	0-437B	QAL-14	VT-3	NA	8.000		Calculaton No. OSC-1359-02
	Rigid restraint	OFD-104A-1.1				0.125		Page 28 ; Problem No.4-56-07
Class C				Fig.162 to				Spent Fuel Cooling (Suction Side)
								System 56
D03.020.012	1-56-JTC-2903	0-443	QAL-14	VT-3	NA	8.000		Calculaton No. OSC-421
	Rigid restraint	OFD-104A-1.1				0.500		Page 94; Problem No.4-56-02
Class C				to				Spent Fuel Cooling
								System 56

Total D03.020 Items: 4

Total Category D-C Items: 4

CATEGORY F-A, Supports (Category A)

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

ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
F01.010.005	1-51A-H6228	0-478A	QAL-14	VT-3	NA	2.500		Calculaton No. OSC-1660-11;
	Rigid restraint	OFD-101A-1.1				0.000		Problem No. 1-55-03;SHT.1 OF 4; System
Class A				to				51A;PAGE# 65; RC PUMP PIPING TO HP INJECTION LETDOWN COOLERS
Total F01.010 Items:	**1**							
F01.012.003	1-50-H2A	0-479A	QAL-14	VT-3	NA	10.000		Pressurizer Surge Lines. Inspect with Item No.
	Hyd snubber	OFD-100A-1.1				0.000		F01.050.003
Class A				to				
F01.012.006	1-53A-H39C	0-481A	QAL-14	VT-3	NA	1.500		File OSC-1314-06 page 129. Pressurizer Relief
	Spring hanger	OFD-100A-1.2				0.000		Valve System
Class A		1-50-01		to				
F01.012.008	1-53A-H6200	0-479A	QAL-14	VT-3	NA	3.000		Calculaton No. OSC-1301-06;
	Spring hanger	OFD-102A-1.1				0.000		Problem No. 1-53-07; PAGE# 91; SYSTEM 53A;
Class A				to				DECAY HEAT REMOVAL SYS
F01.012.009	1-57-H13-A	0-481A	QAL-14	VT-3	NA	4.000		Calculaton No. OS-1313-06
	Hyd snubber	OFD-100A-1.2				0.000		Page 44.1;Problem No.1-57-01.
Class A				to				System 57 Pressurizer Relief Valve System. Inspect with Item No. F01.050.022
Total F01.012 Items:	**4**							

CATEGORY F-A, Supports (Category A)

Class 2 Weld Connections to Building Structure

ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
F01.020.008	1-14-H54	0-480A	QAL-14	VT-3	NA	8.000		Calculation No. OSC-1407, Problem 1-14-14 sh. 17. Low Pressure Service Water from Penetration 32 to Cooler
	Rigid restraint	OFD-124B-1.3			.	0.000		
Class B		1-14-14		to				
F01.020.009	1-14-H63	0-480A	QAL-14	VT-3	NA	8.000		Calculation No. OSC-1407, Problem 1-14-14 sh. 17. Low Pressure Service Water from Penetration 32 to Cooler
	Rigid restraint	OFD-124B-1.3			.	0.000		
Class B		1-14-14		ss to				
F01.020.016	1-51A-H100	0-439A	QAL-14	VT-3	NA	4.000		Calculation No. OSC-1639, page 32.2; Problem No. 1-51-04. High Pressure Injection.
	Rigid support	OFD-101A-1.4			.	0.000		
Class B		1-51-04		to				
F01.020.022	1-51B-DE051	2-0-437A	QAL-14	VT-3	NA	4.000		Calculation No. OSC-1539, page 73; Problem No. 1-51-07. High Pressure Injection.
	Rigid support	OFD-101A-1.4			.	0.000		
Class B		1-51-07		to				
F01.020.027	1-53B-H1	2-0-436E	QAL-14	VT-3	NA	14.000		Calculaton No. OSC-407; Problem No. 1-53-1;SHT.2 OF 4 PAGE# 105.1; SYSTEM 53 LP INJECTION LINE
	Rigid restraint	OFD-102A-1.1				0.216		
Class B				to				
F01.020.037	1-54A-DE10	0-435B	QAL-14	VT-3	NA	8.000		Calculaton No. OS-415 Page 50; Problem No. 1-54-2 Sheet 1 of 1. System 54A Auxiliary Building. Examine during outage 16 for surveillance item from second interval.
	Rigid restraint	OFD-103A-1.1				0.125		
Class B				Sway Strut Fig162 to				
F01.020.038	1-54A-H23	3-0-439A	QAL-14	VT-3	NA	8.000		Calculaton No. OS-416 Page 58.1; Problem No. 1-54-03, Sheet 1 of 1. System 54A Auxiliary Building.
	Rigid restraint	OFD-103A-1.1				0.000		
Class B				to				
F01.020.043	1-56-SR18	0-437B	QAL-14	VT-3	NA	8.000		Calculaton No. OS-421 Page 95;Problem No.4-56-02. System 56 Spent Fuel Cooling
	Rigid restraint	OFD-104A-1.2				0.500		
Class B				to				

Total F01.020 Items: 8

CATEGORY F-A, Supports (Category B)

Class 2 Weld Connections to Building Structure

ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
F01.021.005	1-14-H19B	0-479A	QAL-14	VT-3	NA	8.000		File OSC-1407 Sh 16. Low Pressure Service Water from Penetration 32 to Cooler1B. Problem No.1-14-14
	Rigid restraint	OFD-124B-1.2				0.000		
Class B		1-14-14		to				
F01.021.008	1-14-H6	0-479A	QAL-14	VT-3	NA	6.000		File OSC-1409 pg. 16. Low Pressure Service Water - Reactor Bldg. Cooling (sheet 1). Problem No;1-14-15
	Rigid restraint	OFD-124B-1.2				0.216		
Class B		1-14-15		to				
F01.021.013	1-51A-H91	0-439C	QAL-14	VT-3	NA	4.000		Calculation No. OSC-1639, page 32.2; Problem No. 1-51-04. High Pressure Injection.
	Rigid support	OFD-101A-1.4				0.750		
Class B		1-51-04		to				
F01.021.024	1-56-DE001	0-439C	QAL-14	VT-3	NA	8.000		Calculaton No. OSC-421 Page 93; Problem No.4-56-02 Spent Fuel Cooling System 56
	Rigid restraint	OFD-104A-1.1				0.000		
Class B				to				

Total F01.021 Items: 4

F01.022.012	1-51A-H3	1-0-444	QAL-14	VT-3	NA	4.000		Calculaton No. OSC-1537 Page 56.1; Problem No. 1-51-5 . System 51
	Spring hanger	OFD-101A-1.3				0.500		
Class B				to				
F01.022.016	1-53B-H1	3-0-444	QAL-14	VT-3	NA	12.000		Calculaton No. OSC-407; Problem No. 1-53-1;SHT.2 OF 4 PAGE# 105.1; SYSTEM 53 LP INJECTION LINE
	Spring hanger	OFD-102A-1.1				1.000		
Class B				to				
F01.022.017	1-53B-H10	4-0-435B	QAL-14	VT-3	NA	14.000		Calculaton No. OS-407; Problem No. 1-53-1;SHT.1 OF 4 PAGE#104; SYSTEM 53B; LP INJECTION LINE
	Spring hanger	OFD-102A-1.1				0.237		
Class B				to				

CATEGORY F-A, Supports (Category C)

Class 2 Weld Connections to Building Structure

ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
F01.022.024	1-54A-R5	3-0-435B	QAL-14	VT-3	NA	8.000		Calculaton No. OSC-1628 Page 60; Problem No. 1-54-01 Sheet 1 of 1. System 54A Auxiliary Building.
	Rigid restraint	OFD-103A-1.1				0.000		
Class B				Sway Strut to				

Total F01.022 Items: 4

CATEGORY F-A, Supports (Category A)

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

ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
F01.030.017	1-04A-H17	2-0-439B	QAL-14	VT-3	NA	6.000		Calculaton No. OSC-1404
	Rigid restraint	OFD-121B-1.5				0.000		Page 77;Problem No.1- 04A-06.
Class C				to				System 04A OTSG SECONDARY SIDE DRAIN TO COND.
								This hanger is currently required to be examined during Outage 1. As this hanger is adjacent to hanger F01.031.006 (reportable Outage 1) it is also being examined per IWF-2430(a).
F01.030.020	1-07A-GTE-1901	0-400B	QAL-14	VT-3	NA	8.000		Calculaton No. OSC-362
	Rigid restraint	OFD-121A-1.8				0.000		Page 56; Problem No.1-07A-2
Class C				to				L.P.& H.P.Condensate
								System 07A
F01.030.021	1-07A-SR8	0-400B	QAL-14	VT-3	NA	8.000		Calculaton No. OSC-362
	Rigid restraint	OFD-121A-1.8				0.000		Page 55; Problem No.1-07A-2
Class C				to				L.P.& H.P.Condensate
								System 07A
F01.030.022	1-08-H4050	0-400A	QAL-14	VT-3	NA	10.000		Calculation Number OSC-1902 Sheet 2 of 2; Problem 1-08-01 Page 39. System 08 Emergency Feedwater Pump Turbine Exhaust to Condenser1B.
	Rigid restraint	OFD-122A-1.4				0.000		
Class C				to				
F01.030.035	1-56-DE009	0-438C	QAL-14	VT-3	NA	8.000		Calculaton No. OSC-421
	Rigid restraint	OFD-104A-1.1				0.000		Page 94; Problem No.4-56-02
Class C				to				Spent Fuel Cooling
								System 56
F01.030.036	1-56-H17	5-0-437B	QAL-14	VT-3	NA	8.000		Calculaton No. OSC-1359-02
	Rigid restraint	OFD-104A-1.1				0.125		Page 28 ; Problem No.4-56-07
Class C				to				Spent Fuel Cooling (Suction Side)
								System 56 (Fig. 162 Size 8)
F01.030.041	1-57-H1	0-481A	QAL-14	VT-3	NA	12.000		Calculaton No. OS-1313-06
	Rigid restraint	OFD-100A-1.2				0.750		Page 44.1;Problem No.1-57-01.
Class C				SS to				System 57 Pressurizer Relief Valve System

CATEGORY F-A, Supports (Category A)

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

ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK CAL BLOCKS	COMMENTS
F01.030.042	1-04A-H16	2-0-439B	QAL-14	VT-3	NA	6.000	Calculaton No. OSC-1404
	Rigid restraint	OFD-121B-1.5				0.000	Page 77;Problem No.1- 04A-06.
Class C				to			System 04A OTSG SECONDARY SIDE DRAIN TO COND.
							This hanger is being added to Outage 1 because it is adjacent to hanger F01.031.006 (reportable Outage 1). This hanger will be examined per IWF-2430(a).
Total F01.030 Items:	**8**						
F01.031.002	1-03-H6175	0-480A	QAL-14	VT-3	NA	6.000	Calculaton No. OSC-1224-16
	Rigid restraint	OFD-121D-1.1				0.000	Page 41;Problem No.1- 03A-14.
Class C				to			System 03A AUX. SERVICE WATER PIPE
F01.031.006	1-04A-R5	2-0-439B	QAL-14	VT-3	NA	6.000	Calculaton No. OSC-1404
	Rigid restraint	OFD-121B-1.5				1.000	Page 77;Problem No.1- 04A-06.
Class C				to			System 04A OTSG SECONDARY SIDE DRAIN TO COND.
F01.031.008	1-08-H4055	0-400A	QAL-14	VT-3	NA	10.000	Calculation Number OSC-1902 Sheet 2 of 2; Problem 1-08-01 Page 39. System 08 Emergency Feedwater Pump Turbine Exhaust to Condenser1B.
	Rigid restraint	OFD-122A-1.4				0.000	
Class C				to			
F01.031.016	1-04A-R6	2-0-439B	QAL-14	VT-3	NA	6.000	Calculaton No. OSC-1404
	Rigid restraint	OFD-121B-1.5				0.375	Page 77;Problem No.1- 04A-06.
Class C				to			System 04A OTSG SECONDARY SIDE DRAIN TO COND.
							This hanger was added to the ISI Plan per IWF-2430(a); for the reportable hanger F01.031.006 id'd during Outage 1, third interval.
Total F01.031 Items:	**4**						
F01.032.004	1-03-H63	0-439A	QAL-14	VT-3	NA	24.000	Calculation No. OS-336 Page 45a.1; Problem No. 1-03-01 Sheet 1 of 2. System 03 Auxiliary and Turbine Building.
	Spring hanger	OFD-121B-1.3				0.187	
Class C				to			

CATEGORY F-A, Supports (Category C)

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

Oconee 1

Inservice Inspection Plan for Interval 3 Outage 1

ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
F01.032.006	1-04A-R12	2-0-439B	QAL-14	VT-3	NA	6.000		Calculaton No. OSC-1404
	Constant suppor	OFD-121B-1.5				0.437		Page 77;Problem No.1- 04A-06.
Class C				to				System 04A OTSG SECONDARY SIDE DRAIN TO COND.

Total F01.032 Items: **2**

CATEGORY F-A, Supports

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

ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
F01.040.006	1-DHRC-A-SUPPORT	OM-201-286	QAL-14	VT-3	NA	0.000		Decay Heat Removal Cooler 1A
		OFD-102A-1.2				0.000		
Class B				to				

Total F01.040 Items: 1

CATEGORY F-A, Supports

Spring Supports & Constant Load Supports

ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK CAL BLOCKS	COMMENTS
F01.050.001	1-50-H12	0-479A	QAL-14	VT-3	NA	2.500	Calculaton No. OSC-1314-06
	Hyd snubber	OFD-100A-1.1				0.000	Page 129; Problem No.1-50-01
Class A				to			Pressurizer Spray System
							System 50
F01.050.002	1-50-H1A	0-479A	QAL-14	VT-3	NA	10.000	Pressurizer Surge Lines
	Hyd snubber	OFD-100A-1.1				0.000	
Class A				to			
F01.050.003	1-50-H2A	0-479A	QAL-14	VT-3	NA	10.000	Pressurizer Surge Lines.
	Hyd snubber	OFD-100A-1.1				0.000	
Class A				to			
F01.050.004	1-50-H3	0-481A	QAL-14	VT-3	NA	2.500	File OSC-1314-06 page 129. Pressurizer Relief
	Hyd snubber	OFD-100A-1.2				0.154	Valve System
Class A		1-50-01		to			
F01.050.005	1-50-H3A	0-479A	QAL-14	VT-3	NA	10.000	Pressurizer Surge Lines
	Hyd snubber	OFD-100A-1.1				0.000	
Class A				to			
F01.050.006	1-50-H7	0-481A	QAL-14	VT-3	NA	2.500	Calculaton No. OSC-1314-06
	Hyd snubber	OFD-100A-1.1				0.500	Page 129; Problem No.1-50-01
Class A				to			Pressurizer Spray System
							System 50
F01.050.007	1-50-H8	0-480A	QAL-14	VT-3	NA	2.500	Calculaton No. OSC-1314-06
	Hyd snubber	OFD-100A-1.1				0.000	Page 129; Problem No.1-50-01
Class A				to			Pressurizer Spray System
							System 50
F01.050.008	1-50-H9	0-480A	QAL-14	VT-3	NA	2.500	Calculaton No. OSC-1314-06
	Hyd snubber	OFD-100A-1.1				0.000	Page 129; Problem No.1-50-01
Class A				to			Pressurizer Spray System
							System 50

CATEGORY F-A, Supports

Spring Supports & Constant Load Supports

ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK CAL BLOCKS	COMMENTS
F01.050.009	1-50-H10	0-480A	QAL-14	VT-3	NA	2.500	Calculaton No. OSC-1314-06
	Hyd snubber	OFD-100A-1.1				0.000	Page 129; Problem No.1-50-01
Class A				to			Pressurizer Spray System
							System 50
F01.050.011	1-50-H1	0-481A	QAL-14	VT-3	NA	2.500	File OSC-1314-06 page 129. Pressurizer Relief
	Hyd snubber	OFD-100A-1.2				0.000	Valve System.
Class A		1-50-01		to			
F01.050.012	1-51A-H17A	0-479A	QAL-14	VT-3	NA	2.500	Calculation No. OSC-1304-06, page 61; Problem No.
	Hyd snubber	OFD-101A-1.4				0.145	1-51-15. High Pressure Injection.
Class A		1-51-15		to			
F01.050.013	1-53A-H5A	0-479A	QAL-14	VT-3	NA	12.000	Calculaton No. OSC-1301-06;
	Hyd snubber	OFD-102A-1.1				0.000	Problem No. 1-53-07; Page #92; System 53A; Decay
Class B				to			Heat Removal System
F01.050.014	1-53A-H5B	0-479A	QAL-14	VT-3	NA	12.000	Calculaton No. OSC-1301-06;
	Hyd snubber	OFD-102A-1.1				0.000	Problem No. 1-53-07; Page #92; System 53A; Decay
Class B				to			Heat Removal System.
F01.050.015	1-03-H7B	0-480A	QAL-14	VT-3	NA	24.000	Calculation No. OSC-1297-06 ; Problem No. 1-03-05
	Hyd snubber	OFD-121B-1.3				0.237	. System 03 Steam Generator 1B .
Class B				to			
F01.050.016	1-50-H11	0-480A	QAL-14	VT-3	NA	1.500	Calculaton No. OSC-1314-06
	Hyd snubber	OFD-100A-1.1				0.000	Page 129; Problem No.1-50-01
Class A				to			Pressurizer Spray System
							System 50.
F01.050.017	1-03-H10A	0-480B	QAL-14	VT-3	NA	20.000	Calculation No. OSC-1297-06; Problem No. 1-03-06
	Hyd snubber	OFD-121B-1.3				0.000	Sheet 1 of 2; System 03 Steam Generator 1A .
Class B				to			

CATEGORY F-A, Supports

Spring Supports & Constant Load Supports

ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
F01.050.018	1-53A-H40C	0-481A	QAL-14	VT-3	NA	1.500		File OSC-1314-06 page 129. Pressurizer Relief
	Hyd snubber	OFD-100A-1.2				0.000		Valve System
Class A		1-50-01		to				
F01.050.019	1-53A-H41C	0-481A	QAL-14	VT-3	NA	2.500		File OSC-1314-06 page 129. Pressurizer Relief
	Hyd snubber	OFD-100A-1.2				0.000		Valve System
Class A		1-50-01		to				
F01.050.020	1-57-H10	0-481A	QAL-14	VT-3	NA	6.000		Calculaton No. OS-1313-06
	Hyd snubber	OFD-100A-1.2				0.000		Page 44.1;Problem No.1-57-01.
Class C				to				System 57 Pressurizer Relief Valve System
F01.050.021	1-57-H11	0-481A	QAL-14	VT-3	NA	6.000		Calculaton No. OS-1313-06
	Hyd snubber	OFD-100A-1.2				0.000		Page 44.1;Problem No.1-57-01.
Class C				to				System 57 Pressurizer Relief Valve System
F01.050.022	1-57-H13-A	0-481A	QAL-14	VT-3	NA	4.000		Calculaton No. OS-1313-06
	Hyd snubber	OFD-100A-1.2				0.000		Page 44.1;Problem No.1-57-01.
Class A				to				System 57 Pressurizer Relief Valve System.
F01.050.023	1-57-H14	0-481A	QAL-14	VT-3	NA	8.000		Calculaton No. OS-1313-06
	Hyd snubber	OFD-100A-1.2				0.216		Page 44.1;Problem No.1-57-01.
Class C				to				System 57 Pressurizer Relief Valve System.
F01.050.024	1-57-H15	0-481A	QAL-14	VT-3	NA	8.000		Calculaton No. OS-1313-06
	Hyd snubber	OFD-100A-1.2				0.000		Page 44.1;Problem No.1-57-01.
Class C				to				System 57 Pressurizer Relief Valve System
F01.050.025	1-57-H17	0-481A	QAL-14	VT-3	NA	6.000		Calculaton No. OS-1313-06
	Hyd snubber	OFD-100A-1.2				0.000		Page 44.1;Problem No.1-57-01.
Class C				to				System 57 Pressurizer Relief Valve System

CATEGORY F-A, Supports

Spring Supports & Constant Load Supports

ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK CAL BLOCKS	COMMENTS
F01.050.026	1-57-H18	0-481A	QAL-14	VT-3	NA	6.000	Calculaton No. OS-1313-06
	Hyd snubber	OFD-100A-1.2				0.000	Page 44.1;Problem No.1-57-01.
Class C				to			System 57 Pressurizer Relief Valve System
F01.050.027	1-57-H22	0-481A	QAL-14	VT-3	NA	6.000	Calculaton No. OS-1313-06
	Hyd snubber	OFD-100A-1.2				0.000	Page 44.1;Problem No.1-57-01.
Class C				to			System 57 Pressurizer Relief Valve System
F01.050.028	1-57-H26	0-481A	QAL-14	VT-3	NA	6.000	Calculaton No. OS-1313-06
	Hyd snubber	OFD-100A-1.2				0.000	Page 44.1;Problem No.1-57-01.
Class C				to			System 57 Pressurizer Relief Valve System
F01.050.029	1-57-H9	0-481A	QAL-14	VT-3	NA	6.000	Calculaton No. OS-1313-06
	Hyd snubber	OFD-100A-1.2				1.000	Page 44.1;Problem No.1-57-01.
Class C				to			System 57 Pressurizer Relief Valve System.
F01.050.030	1-01A-H10B	0-481B	QAL-14	VT-3	NA	24.250	Calculaton No. OSC-1296-06;
	Hyd snubber	OFD-122A-1.1				0.437	Problem No. 1-01-08; System 01A;Page# 6
Class B				PIPE FAB SKETCH 6" PIPE to			(1)-25.18; Main Steam From Pen 28 TO SG 1B
F01.050.031	1-01A-H11A	0-481B	QAL-14	VT-3	NA	24.250	Calculaton No. OSC-1296-06;
	Hyd snubber	OFD-122A-1.1				0.437	Problem No. 1-01-07; System 01A;Page# 6
Class B				PIPE FAB SKETCH 6" PIPE to			(2)-24.23A Main Steam From Pen 26 TO SG 1A
F01.050.032	1-01A-H11B	0-481B	QAL-14	VT-3	NA	24.250	Calculaton No. OSC-1296-06;
	Hyd snubber	OFD-122A-1.1				0.437	Problem No. 1-01-08; System 01A;Page# 6
Class B				PIPE FAB SKETCH 6" PIPE to			(1)-25.18; Main Steam From Pen 28 TO SG 1B
F01.050.033	1-01A-H12A	0-481B	QAL-14	VT-3	NA	24.250	Calculaton No. OSC-1296-06;
	Hyd snubber	OFD-122A-1.1				0.375	Problem No. 1-01-07; System 01A;Page# 6
Class B				to			(2)-24.23A Main Steam From Pen 26 TO SG 1A

CATEGORY F-A, Supports

Spring Supports & Constant Load Supports

ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK CAL BLOCKS	COMMENTS
F01.050.034	1-01A-DE005	0-550	QAL-14	VT-3	NA	34.000	Calculaton No. OSC-320;
	Hyd snubber	OFD-122A-1.1				0.000	Problem No. 1-01-01;Sht.1of 3; System 01A;Page#
Class B				to			131.1; Main Steam Piping.
F01.050.035	1-01A-DE006	0-550	QAL-14	VT-3	NA	34.000	Calculaton No. OSC-320;
	Hyd snubber	OFD-122A-1.1				0.000	Problem No. 1-01-01;Sht.1 of 3; System 01A;Page#
Class B				to			131.1; Main Steam Piping.
F01.050.036	1-01A-R-2-1	0-550	QAL-14	VT-3	NA	34.000	Calculaton No. OSC-320;
	Hyd snubber	OFD-122A-1.1				0.687	Problem No. 1-01-01;Sht.1 of 3; System 01A;Page#
Class B				to			131.1; Main Steam Piping
F01.050.037	1-01A-R-2-2	0-550	QAL-14	VT-3	NA	34.000	Calculaton No. OSC-320;
	Hyd snubber	OFD-122A-1.1				0.687	Problem No. 1-01-01;Sht. 1 of 3; System 01A;Page#
Class B				to			131.1; Main Steam Piping
F01.050.038	1-01A-R12	0-550	QAL-14	VT-3	NA	34.000	Calculaton No. OSC-320;
	Hyd snubber	OFD-122A-1.1				0.000	Problem No. 1-01-01;Sht.2 of 3; System 01A;Page#
Class B				to			132; Main Steam Piping
F01.050.039	1-01A-R9-1	0-550	QAL-14	VT-3	NA	34.000	Calculaton No. OSC-320;
	Hyd snubber	OFD-122A-1.1				0.687	Problem No. 1-01-01;Sht.1 of 3; System 01A; Page#
Class B				to			131.1; Main Steam Piping
F01.050.040	1-01A-R9-2	0-550	QAL-14	VT-3	NA	34.000	Calculaton No. OSC-320;
	Hyd snubber	OFD-122A-1.1				0.687	Problem No. 1-01-01; sht. 1 of 3; System 01A; Page#
Class B				to			131.1; Main Steam Piping
F01.050.041	1-01A-R9-3	0-550	QAL-14	VT-3	NA	34.000	Calculaton No. OSC-320;
	Hyd snubber	OFD-122A-1.1				0.687	Problem No. 1-01-01; Sht. 1 of 3; System 01A;
Class B				to			Page# 131.1; Main Steam Piping

CATEGORY F-A, Supports

Spring Supports & Constant Load Supports

ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
F01.050.042	1-01A-R9-4	0-550	QAL-14	VT-3	NA	34.000		Calculaton No. OSC-320;
	Hyd snubber	OFD-122A-1.1				0.687		Problem No. 1-01-01; Sht.1 of 3; System 01A; Page#
Class B				to				131.1; Main Steam Piping
F01.050.043	1-03-R12	0-551	QAL-14	VT-3	NA	24.000		Calculation No. OS-336 Page 45a.1; Problem No.
	Hyd snubber	OFD-121B-1.3				1.000		1-03-01 Sheet 1 of 2. System 03 Auxiliary and
Class C				to				Turbine Building.
F01.050.044	1-03-R7	0-551	QAL-14	VT-3	NA	24.000		Calculation No. OS-336 Page 45a.1; Problem No.
	Hyd snubber	OFD-121B-1.3				1.000		1-03-01 Sheet 1 of 2. System 03 Auxiliary and
Class C				to				Turbine Building.
F01.050.045	1-03A-SR56	1-0-400B	QAL-14	VT-3	NA	6.000		Calculaton No. OSC-342
	Hyd snubber	OFD-121D-1.1				0.000		Page 104; Problem No. 03A-9 . System 03A
Class C				to				6" Emergency Feedwater Bypass
F01.050.046	1-03A-SR57	1-0-400B	QAL-14	VT-3	NA	6.000		Calculaton No. OSC-342
	Hyd snubber	OFD-121D-1.1				0.000		Page 104; Problem No. 03A-9 . System 03A
Class C				to				6" Emergency Feedwater Bypass
F01.050.047	1-03A-SR58	1-0-400B	QAL-14	VT-3	NA	6.000		Calculaton No. OSC-342
	Hyd snubber	OFD-121D-1.1				0.000		Page 104; Problem No. 03A-9 . System 03A
Class C				to				6" Emergency Feedwater Bypass
F01.050.048	1-03A-SR59	1-0-400B	QAL-14	VT-3	NA	6.000		Calculaton No. OSC-342
	Hyd snubber	OFD-121D-1.1				0.000		Page 104; Problem No. 03A-9 . System 03A
Class C				to				6" Emergency Feedwater Bypass
F01.050.049	1-03A-SR50	1-0-401A	QAL-14	VT-3	NA	6.000		Calculation Number OSC-339; Problem Number
	Hyd snubber	OFD-121B-1.3				0.000		1-03A-5 Sheet 1 of 4; System 03A Emergency
Class C				to				Feedwater.

CATEGORY F-A, Supports

Spring Supports & Constant Load Supports

ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK CAL BLOCKS	COMMENTS
F01.050.050	1-03A-SR63	1-0-438B	QAL-14	VT-3	NA	6.000	Calculaton No. OSC-342
	Hyd snubber	OFD-121D-1.1				0.000	Page 102; Problem No. 03A-9 . System 03A
Class C				to			6" Emergency Feedwater Bypass
F01.050.051	1-03A-SR64	1-0-439B	QAL-14	VT-3	NA	6.000	Calculaton No. OSC-1224-19
	Hyd snubber	OFD-121D-1.1				0.000	Page 27;Problem No.1- 03A-13.
Class C				to			System 03A
							Aux. Service Water Pipe
F01.050.052	1-01A-H40	1-1-0-401A	QAL-14	VT-3	NA	12.000	Calculaton No. OSC-321
	Hyd snubber	OFD-122A-1.2				0.000	Page 111; Problem No. 1-01-2 Sht. 2 of 5 System
Class B				to			01A; Main Steam Bypass To Condenser
F01.050.053	1-01A-H44	1-1-0-401A	QAL-14	VT-3	NA	12.000	Calculaton No. OSC-321;
	Hyd snubber	OFD-122A-1.2				0.000	Problem No. 1-01-2 Sht. 3 of 5. System 01A; Main
Class B				to			Steam Bypass To Condenser
F01.050.054	1-01A-R6	4-1-0-403C	QAL-14	VT-3	NA	6.000	Calculation Number OSC-325 Sheet 1 of 3;Problem
	Hyd snubber	OFD-122A-1.4				0.250	1-01-06 Page 88. System 01A . Steam Supply to
Class C				to			Emergency Feedwater Pump Turbine.
F01.050.055	1-01A-R2	4-2-0-403C	QAL-14	VT-3	NA	6.000	Calculation Number OSC-325 Sheet 2 of 3; Problem
	Hyd snubber	OFD-122A-1.4				0.000	1-01-06 Page 89.1. System 01A . Steam Supply to
Class C				to			Emergency Feedwater Pump Turbine.
F01.050.056	1-03A-DE058	0-401A	QAL-14	VT-3	NA	6.000	Calculaton No. OSC-339
	Mech snubber	OFD-121D-1.1				0.000	Page79; Problem No. 1-03A-5 . System 03A 6"
Class C				to			Emergency Feedwater To 24" Main Feedwater.
F01.050.057	1-03-H4171	0-401B	QAL-14	VT-3	NA	24.000	Calculation No. OS-336 Page 45a.1; Problem No.
	Mech snubber	OFD-121B-1.3				0.322	1-03-01 Sheet 1 of 2. System 03 Auxiliary and
Class C				to			Turbine Building.

CATEGORY F-A, Supports

Spring Supports & Constant Load Supports

ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK CAL BLOCKS	COMMENTS
F01.050.058	1-53B-DE056	0-435B	QAL-14	VT-3	NA	10.000	Calculation Number OS-406 Sheet 1 of 1; Problem No. 1-53-03 Page 71. System 53B Decay Heat Pump 1B and 1C to Decay Heat Cooler 1B .
	Mech snubber	OFD-102A-1.2				0.000	
Class B				to			
F01.050.059	1-53B-DE059	0-435B	QAL-14	VT-3	NA	10.000	Calculation Number OS-408 Sheet 1 of 3; Problem No. 1-53-02 . System 53B LPI Injection and Decay Heat Removal
	Mech snubber	OFD-102A-1.2				0.000	
Class B				to			
F01.050.060	1-53B-DE066	0-435B	QAL-14	VT-3	NA	14.000	Calculaton No. OS-407; Problem No. 1-53-1;SHT.1 OF 4 Page #104; System 53B; LP Injection Line
	Mech snubber	OFD-102A-1.1				0.000	
Class B				to			
F01.050.061	1-54A-DE-020	0-435B	QAL-14	VT-3	NA	8.000	Calculaton No. OS-415 Page 50; Problem No. 1-54-2 Sheet 1 of 1. System 54A Auxiliary Building.
	Mech snubber	OFD-103A-1.1				0.000	
Class B				to			
F01.050.062	1-54A-DE015	0-435B	QAL-14	VT-3	NA	8.000	Calculaton No. OSC-1628 Page 60; Problem No. 1-54-01, Sheet 1 of 1. System 54A Auxiliary Building.
	Mech snubber	OFD-103A-1.1				0.000	
Class B				to			
F01.050.063	1-51A-DE001A	0-435C	QAL-14	VT-3	NA	4.000	Calculaton No. OSC-1410 Page105; Problem No. 1-51-13 . System 51 HPI.
	Mech snubber	OFD-101A-1.3				0.000	
Class B				to			
F01.050.064	1-53B-DE060	0-436D	QAL-14	VT-3	NA	10.000	Calculation Number OS-408 Sheet 1 of 3; Problem No. 1-53-02 . System 53B LPI Injection and Decay Heat Removal
	Mech snubber	OFD-102A-1.2				0.000	
Class B				to			
F01.050.065	1-53B-DE055	0-438C	QAL-14	VT-3	NA	12.000	Calculaton No. OS-404; Problem No. 1-53-04; Sht.1 of 1; Page #39; System 53B; Decay Heat RemovalL System & LP Injection.
	Mech snubber	OFD-102A-1.1				0.000	
Class B				to			

CATEGORY F-A, Supports

Spring Supports & Constant Load Supports

ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK CAL BLOCKS	COMMENTS
F01.050.066	1-53B-DE057	0-438C	QAL-14	VT-3	NA	8.000	Calculaton No. OS-408;
	Mech snubber	OFD-102A-1.1				0.000	Problem No. 1-53-02; Sht.2 of 3; Page #73.3;
Class B				to			System 53B; Decay Heat Removal System & LP Injection
F01.050.067	1-51A-H102	0-439A	QAL-14	VT-3	NA	4.000	Calculation No. OSC-1639, page 32.2; Problem No.
	Mech snubber	OFD-101A-1.4			.	0.000	1-51-04. High Pressure Injection.
Class B		1-51-04		to			
F01.050.068	1-51A-H97	0-439A	QAL-14	VT-3	NA	4.000	Calculation No. OSC-1639, page 32.2; Problem No.
	Mech snubber	OFD-101A-1.4			.	0.000	1-51-04. High Pressure Injection.
Class B		1-51-04		to			
F01.050.069	1-54A-R16	0-439A	QAL-14	VT-3	NA	8.000	Calculaton No. OS-416 Page 58.1; Problem No.
	Mech snubber	OFD-103A-1.1				1.000	1-54-03, Sheet 1 of 1. System 54A Auxiliary
Class B				to			Building.
F01.050.070	1-51A-H80	0-439C	QAL-14	VT-3	NA	4.000	Calculation No. OSC-1639, page 33; Problem No.
	Mech snubber	OFD-101A-1.4			.	0.000	1-51-04. High Pressure Injection.
Class B		1-51-04		to			
F01.050.071	1-51A-H86	0-439C	QAL-14	VT-3	NA	4.000	Calculation No. OSC-1639, page 32.2; Problem No.
	Mech snubber	OFD-101A-1.4			.	0.000	1-51-04. High Pressure Injection.
Class B		1-51-04		to			
F01.050.072	1-53A-GPD-H0010	0-479A	QAL-14	VT-3	NA	12.000	Calculaton No. OSC-1301-06;
	Mech snubber	OFD-102A-1.1				0.000	Problem No. 1-53-07; Page #92; System 53A; Decay
Class B				to			Heat Removal System
F01.050.073	1-03-H6068	0-479F	QAL-14	VT-3	NA	6.000	Calculaton No. OSC-1224-16
	Mech snubber	OFD-121D-1.1				0.000	Page 42;Problem No.1- 03A-14.
Class C				to			System 03A
							Aux. Service Water Pipe.

CATEGORY F-A, Supports

Spring Supports & Constant Load Supports

ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK CAL BLOCKS	COMMENTS
F01.050.074	1-03-H6020	0-480A	QAL-14	VT-3	NA	6.000	Calculaton No. OSC-1224-16
	Mech snubber	OFD-121D-1.1				0.000	Page 42;Problem No.1- 03A-14.
Class C				to			System 03A
							Aux. Service Water Pipe
F01.050.075	1-03-H6070	0-480A	QAL-14	VT-3	NA	6.000	Calculaton No. OSC-1224-16
	Mech snubber	OFD-121D-1.1				0.000	Page 41;Problem No.1- 03A-14.
Class C				to			System 03A
							Aux Service Water Pipe.
F01.050.076	1-03-H6071	0-480A	QAL-14	VT-3	NA	6.000	Calculaton No. OSC-1224-16
	Mech snubber	OFD-121D-1.1				0.000	Page 42;Problem No.1- 03A-14.
Class B				to			System 03A
							Aux. Service Water Pipe.
F01.050.077	1-57-NW1Z	0-480A	QAL-14	VT-3	NA	12.000	Calculaton No. OSC-1313-06
	Mech snubber	OFD-107A-1.1				0.000	Page 44.1; Problem No.1-57-01
Class C				to			Pressurizer Relief Valve System
							System 57
F01.050.078	1-57-H23	0-481A	QAL-14	VT-3	NA	12.000	Calculaton No. OS-1313-06
	Mech snubber	OFD-100A-1.2				0.000	Page 44.1;Problem No.1-57-01.
Class C				to			System 57 Pressurizer Relief Valve System
F01.050.079	1-01A-R11	0-550	QAL-14	VT-3	NA	34.000	Calculaton No. OSC-320;
	Mech snubber	OFD-122A-1.1				0.000	Problem No. 1-01-01; Sht.2 of 3; System 01A;Page #
Class B				to			132; Main Steam Piping
F01.050.080	1-01A-R4	0-550	QAL-14	VT-3	NA	34.000	Calculaton No. OSC-320;
	Mech snubber	OFD-122A-1.1				0.000	Problem No. 1-01-01; Sht.2 of 3; System 01A; Page
Class B				to			# 132; Main Steam Piping
F01.050.081	1-01A-R5	0-550	QAL-14	VT-3	NA	34.000	Calculaton No. OSC-320;
	Mech snubber	OFD-122A-1.1				0.000	Problem No. 1-01-01; Sht.2 of 3; System 01A; Page#
Class B				to			132; Main Steam Piping

CATEGORY F-A, Supports

Spring Supports & Constant Load Supports

ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK CAL BLOCKS	COMMENTS
F01.050.082	1-01A-R6	0-550	QAL-14	VT-3	NA	34.000	Calculaton No. OSC-320; Problem No. 1-01-01; Sht. 2 of 3; System 01A; Page # 132; Main Steam Piping.
	Mech snubber	OFD-122A-1.1				1.000	
Class B				to			
F01.050.083	1-01A-R7	0-550	QAL-14	VT-3	NA	34.000	Calculaton No. OSC-320; Problem No. 1-01-01; Sht.1 of 3; System 01A; Page # 131.1; Main Steam Piping.
	Mech snubber	OFD-122A-1.1				1.000	
Class B				to			
F01.050.084	1-03-R13	0-551	QAL-14	VT-3	NA	24.000	Calculation No. OS-336 Page 45a.1; Problem No. 1-03-01 Sheet 1 of 2. System 03 Auxiliary and Turbine Building.
	Mech snubber	OFD-121B-1.3				0.000	
Class C				to			
F01.050.085	1-03A-H115	1-0-400B	QAL-14	VT-3	NA	6.000	Calculaton No. OSC-1214 Page 25; Problem No.1- 03A-11. System 03A 6" Emergency Feedwater
	Mech snubber	OFD-121D-1.1				0.000	
Class C				to			
F01.050.086	1-03A-H123	1-0-400B	QAL-14	VT-3	NA	6.000	Calculaton No. OSC-1214 Page 25; Problem No.1- 03A-11. System 03A 6" Emergency Feedwater
	Mech snubber	OFD-121D-1.1				0.000	
Class C				to			
F01.050.087	1-03A-SR62	1-0-437A	QAL-14	VT-3	NA	6.000	Calculaton No. OSC-339 Page 81; Problem No. 1-03A-5 . System 03A 6" Emergency Feedwater to 24" Main Feedwater.
	Mech snubber	OFD-121D-1.1				0.000	
Class C				to			
F01.050.088	1-01A-H43	1-1-0-401A	QAL-14	VT-3	NA	12.000	Calculaton No. OSC-321; Problem No. 1-01-2 Sht. 3 of 5. System 01A; Main Steam Bypass To Condenser.
	Mech snubber	OFD-122A-1.2				0.000	
Class B				to			
F01.050.089	1-01A-R11	4-2-0-400A	QAL-14	VT-3	NA	6.000	Calculation Number OSC-325 Sheet 3 of 3; Problem 1-01-06 Page 91. System 01A Steam Supply to Emergency Feedwater Pump Turbine.
	Mech snubber	OFD-122A-1.4				0.250	
Class C				to			

CATEGORY F-A, Supports

Spring Supports & Constant Load Supports

Oconee 1

Inservice Inspection Plan for Interval 3 Outage 1

ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK CAL BLOCKS	COMMENTS
F01.050.090	1-07A-H39	6-0-400A	QAL-14	VT-3	NA	20.000	Calculaton No. OSC-361
	Mech snubber	OFD-121A-1.8				0.000	Page 85.1 Problem No.1-07A-01
Class C				to			L.P.& H.P.Condensate System 07A
F01.050.091	1-07A-H40	6-0-400A	QAL-14	VT-3	NA	20.000	Calculaton No. OSC-361
	Mech snubber	OFD-121A-1.8				0.000	Page 85.1 Problem No.1-07A-01
Class C				to			L.P.& H.P.Condensate System 07A
F01.050.092	1-07A-H41	6-0-400A	QAL-14	VT-3	NA	24.000	Calculaton No. OSC-361
	Mech snubber	OFD-121A-1.8				0.000	Page 85.1 Problem No.1-07A-01
Class C				to			L.P.& H.P.Condensate System 07A

Total F01.050 Items: **91**

Total Category F-A Items: **127**

CATEGORY AUG, Augmented Inspections

[redacted] NRC Bulletin 88-08

ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK CAL BLOCKS	COMMENTS
G04.001.001 Class A	1-51A-11-87 Circumferential	1-51A-11(3) OFD-101A-1.4	NDE-600	UT Pipe to Safe-End	SS	2.500 0.375	Inspect 100% of weld & 1" of base material (axial & circumferential). Reference Section 7 of the ISI Plan, Volume 1.
G04.001.002 Class A	1-51A-11-88 Circumferential	1-51A-11(3) OFD-101A-1.4	NDE-600	UT Pipe to Valve 1HP-152	SS	2.500 0.375	Inspect 100% of weld & 1" of base material (axial & circumferential). Reference Section 7 of the ISI Plan, Volume 1.
G04.001.003 Class A	1-51A-11-89 Circumferential	1-51A-11(3) OFD-101A-1.4	NDE-600	UT Pipe to Safe-End	SS	2.500 0.375	Inspect 100% of weld & 1" of base material (axial & circumferential). Reference Section 7 of the ISI Plan, Volume 1.
G04.001.004 Class A	1-51A-11-90 Circumferential	1-51A-11(3) OFD-101A-1.4	NDE-600	UT Pipe to Valve 1HP-153	SS	2.500 0.375	Inspect 100% of weld & 1" of base material (axial & circumferential). Reference Section 7 of the ISI Plan, Volume 1.
G04.001.005 Class A	1-51A-10-1 Circumferential	1-51A-10 OFD-101A-1.4	NDE-600	UT Valve 1HP-152 to Elbow	SS	2.500 0.375	Inspect 100% of weld & 1" of base material (axial & circumferential). Reference Section 7 of the ISI Plan, Volume 1.
G04.001.006 Class A	1-51A-10-2 Circumferential	1-51A-10 OFD-101A-1.4	NDE-600	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, Volume 1.
G04.001.007 Class A	1-51A-10-6 Circumferential	1-51A-10 OFD-101A-1.4	NDE-600	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, Volume 1.
G04.001.010 Class A	1-51A-5-81C Circumferential	1-51A-5	NDE-600	UT Elbow to Valve 1HP-153	SS	2.500 0.375	Inspect 100% of weld & 1" of base material (axial & circumferential). Reference Section 7 of the ISI Plan, Volume 1.

CATEGORY AUG, Augmented Inspections

NRC Bulletin 88-08

Oconee 1

Inservice Inspection Plan for Interval 3 Outage 1

ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK CAL BLOCKS	COMMENTS
G04.001.011	1-51A-5-79C	1-51A-5	NDE-600	UT	SS	2.500 0.375	Inspect 100% of weld & 1" of base material (axial & circumferential). Reference Section 7 of the ISI Plan, Volume 1.
	Circumferential						
Class A				Pipe to Elbow			
G04.001.012	1-51A-5-77C	1-51A-5	NDE-600	UT	SS	2.500 0.375	Inspect 100% of weld & 1" of base material (axial & circumferential). Reference Section 7 of the ISI Plan, Volume 1.
	Circumferential						
Class A				Pipe to Elbow			

Total G04.001 Items: 10

Total Category AUG Items: 10

CATEGORY AUG, Augmented Inspections

Auxiliary Feedwater Header B&W Safety Concern 21-82 Water Hammer

ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
G06.001.033	1-03A-11-1VEN	1-03A-11	NDE-600	UT	CS	6.000		Vender Weld Ring Header. Calibration block is not needed as examination will be performed in accordance with NDE-600, which does not require the use of calibration block for carbon steel material.
	Circumferential	OFD-121B-1.3				0.432		
Class B				Pipe to Elbow				
G06.001.033A	1-03A-11-1VEN	1-03A-11	NDE-25	MT	CS	6.000		
	Circumferential	OFD-121B-1.3				0.432		
Class B				Pipe to Elbow				

Total G06.001 Items: 2

Total Category AUG Items: 2

CATEGORY AUG, Augmented Inspections

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

ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
G09.001.001	1-51A-01-3A	1-51A-01(1)	NDE-35	PT	SS	6.000		
	Circumferential	OFD-101A-1.3				0.280		
Class B				Pipe to Valve 1HP-103				
G09.001.007	1-53B-01-90B	1-53B-01(5)	NDE-35	PT	SS	8.000		
	Circumferential	OFD-102A-1.2				0.148		
Class B				Pipe to Elbow				
G09.001.013	1-53B-03-33F	1-53B-03(4)	NDE-35	PT	SS	10.000		
	Circumferential	OFD-102A-1.2				0.250		
Class B				Elbow to Pipe				
G09.001.019	1-53B-06-114K	1-53B-06(3)	NDE-35	PT	SS	10.000		
	Circumferential	OFD-102A-1.2				0.250		
Class B				Elbow to Pipe				
G09.001.025	1-53B-13-115J	1-53B-13	NDE-35	PT	SS	8.000		
	Circumferential	OFD-102A-1.1				0.148		
Class B				Elbow to Pipe				
G09.001.031	1-54A-01-05A	1-54A-01(2)	NDE-35	PT	SS	10.000		
	Circumferential	OFD-102A-1.1				0.250		
Class B				Pipe to Elbow				
G09.001.037	1-54A-04-21C	1-54A-04(1)	NDE-35	PT	SS	8.000		
	Circumferential	OFD-103A-1.1				0.250		
Class B				Pipe to Elbow				
G09.001.043	1-54A-04-75C	1-54A-04(3)	NDE-35	PT	SS	8.000		
	Circumferential	OFD-103A-1.1				0.250		
Class B				Pipe to Elbow				

Total G09.001 Items: 8

Form 401463 (2-95)

Form NIS-2 (Back)

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

7. Description of Work SEE REMARKS

8. Test Conducted: ☐ Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☐ Other ☒ Exempt

Pressure _____ psig Test Temp. _____ °F

Pressure _____ psig Test Temp. _____ °F

Pressure _____ psig Test Temp. _____ °F

9. Remarks A. REMOVED EXISTING S/R AND REPLACED WITH ITEMS 8-11.
B. REMOVED ITEMS 7 AND 8 AND REPLACED WITH ITEMS 9-11.
C. CUT ITEM 8, 5/8" ROD, TO ADJUST S/R TO CORRECT ELEVATION.

(Applicable Manufacturer's Data Records to be Attached)

CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this **repair or replacement** conforms to the rules of the ASME Code, Section XI.

Type Code Symbol Stamp **N/A**

Certificate of Authorization No. **N/A** Expiration Date **N/A**

Signed W McClure Date 12/5, 19 95
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Providence of N.C. and employed by **HSBI and I Company of Hartford Connecticut** have inspected the components described in this Owner's Report during the period 11-16-95 to 12-5-95; and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

MB Chapman Commissions NC914
Inspector's Signature National Board, State, Providence and Endorsements

Date 12-5, 1995

Form 401463 (2-95)

FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS
As Required By The Provisions Of The ASME Code Section XI

1. Owner **Duke Power Company**
   Address **526 S. Church Street, Charlotte, NC 28201-1006**

1a. Date 12/5/95

2. Plant **Oconee Nuclear Station**
   Address **P.O. Box 1439, Seneca, S.C. 29679**

Sheet 2 of 23

2a. Unit ☒ 1 ☐ 2 ☐ 3 ☐ Shared (specify Units_____)

3. Work Performed By **Duke Power Company**
   Address **526 S. Church Street, Charlotte, NC 28201-1006**
   Type Code Symbol Stamp **N/A** Authorization No. **N/A** Expiration Date **N/A**

3a. Work Order # 95012179
Repair Organization Job #

3b. NSM or ~~MM~~ # 12960

4. Identification of System HP (51A) Class B

5. (a) Applicable Construction Code B31.7 19 68 Edition, 2 Addenda, 6-68 Code Cases
   (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1989, No Addenda

6. Identification of Components Repaired or Replaced and Replacement Components

	Column 1	Column 2	Column 3	Column 4	Column 5	Col. 6	Column 7	Column 8
	Name of Component	**Name of Manufacturer**	**Manufacturer Serial Number**	**National Board Number**	**Other Identification**	**Year Built**	**Repaired, Replaced, or Replacement**	**ASME Code Stamped (yes or no)**
A	HANGER 1-51A-0-439C-H90	DPC	N/A	N/A	N/A	N/A	☐ Repaired ☐ Replaced ☒ Replacement	☒ No ☐ Yes
B	HANGER 1-51A-0-439C-H89	DPC	N/A	N/A	N/A	N/A	☐ Repaired ☐ Replaced ☒ Replacement	☒ No ☐ Yes
C	HANGER 1-51A-0-439C-H88	DPC	N/A	N/A	N/A	N/A	☐ Repaired ☐ Replaced ☒ Replacement	☒ No ☐ Yes
D							☐ Repaired ☐ Replaced ☐ Replacement	☐ No ☐ Yes
E							☐ Repaired ☐ Replaced ☐ Replacement	☐ No ☐ Yes
F							☐ Repaired ☐ Replaced ☐ Replacement	☐ No ☐ Yes

Form 401463 (2-95)

Form NIS-2 (Back)

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

7. Description of Work SHORTENED ITEM 3 AND REWELDED TO ITEM 4.

8. Test Conducted: ☐ Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☐ Other ☒ Exempt

Pressure _____ psig Test Temp. _____ °F

Pressure _____ psig Test Temp. _____ °F

Pressure _____ psig Test Temp. _____ °F

9. Remarks _____

(Applicable Manufacturer's Data Records to be Attached)

CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this **repair or replacement** conforms to the rules of the ASME Code, Section XI.

Type Code Symbol Stamp **N/A**

Certificate of Authorization No. **N/A** Expiration Date **N/A**

Signed W McClure Date 12/5, 1995
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Providence of N.C and employed by **HSBI and I Company of Hartford Connecticut** have inspected the components described in this Owner's Report during the period 11-16-95 to 12-5-95; and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

M B Chapman Commissions NC914
Inspector's Signature National Board, State, Providence and Endorsements

Date 12-5, 1995

Form 401463 (2-95)

FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS
As Required By The Provisions Of The ASME Code Section XI

1. Owner **Duke Power Company**
   Address **526 S. Church Street, Charlotte, NC 28201-1006**

1a. Date 12/5/95

Sheet 3 of 3

2. Plant **Oconee Nuclear Station**
   Address **P.O. Box 1439, Seneca, S.C. 29679**

2a. Unit ☒ 1 ☐ 2 ☐ 3 ☐ Shared (specify Units_____)

3. Work Performed By **Duke Power Company**
   Address **526 S. Church Street, Charlotte, NC 28201-1006**
   Type Code Symbol Stamp **N/A** Authorization No. **N/A** Expiration Date **N/A**

3a. Work Order # 95012179
Repair Organization Job #

3b. NSM or ~~MM~~ # 12960

4. Identification of System PR Class B

5. (a) Applicable Construction Code B31.7 1968 Edition, 2 Addenda, 6-68 Code Cases
   (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1989, No Addenda

6. Identification of Components Repaired or Replaced and Replacement Components

	Column 1	Column 2	Column 3	Column 4	Column 5	Col. 6	Column 7	Column 8
	Name of Component	**Name of Manufacturer**	**Manufacturer Serial Number**	**National Board Number**	**Other Identification**	**Year Built**	**Repaired, Replaced, or Replacement**	**ASME Code Stamped (yes or no)**
A	HANGER 1-67-439C-H5358	DPC	N/A	N/A	N/A	N/A	☐ Repaired ☐ Replaced ☒ Replacement	☒ No ☐ Yes
B							☐ Repaired ☐ Replaced ☐ Replacement	☐ No ☐ Yes
C							☐ Repaired ☐ Replaced ☐ Replacement	☐ No ☐ Yes
D							☐ Repaired ☐ Replaced ☐ Replacement	☐ No ☐ Yes
E							☐ Repaired ☐ Replaced ☐ Replacement	☐ No ☐ Yes
F							☐ Repaired ☐ Replaced ☐ Replacement	☐ No ☐ Yes

Form 401463 (2-95)

Form NIS-2 (Back)

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

7. Description of Work REROUTED SECTION OF HPI PIPING & RELATED HANGERS.

8. Test Conducted: ☐ Hydrostatic ☐ Pneumatic ☒ Nominal Operating Pressure ☐ Other ☐ Exempt

Pressure _____ psig Test Temp. _____ °F

Pressure _____ psig Test Temp. _____ °F

Pressure _____ psig Test Temp. _____ °F

9. Remarks PERFORMED SYS. LEAKAGE TEST AT SYS. TEMP. AND PRESSURE AND NDE PER ASME CODE CASE N-416-1 IN LIEU OF HYDRO.

(Applicable Manufacturer's Data Records to be Attached)

CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this **repair or replacement** conforms to the rules of the ASME Code, Section XI.

Type Code Symbol Stamp **N/A**

Certificate of Authorization No. **N/A** Expiration Date **N/A**

Signed D.S. Mason Date 1-4, 1996
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Providence of N.C and employed by **HSBI and I Company of Hartford Connecticut** have inspected the components described in this Owner's Report during the period 11-16-95 to 12-5-95; and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

M.C. Chapman Commissions NC914
Inspector's Signature National Board, State, Providence and Endorsements

Date 1-4, 1996

Form 401463 (2-95)

FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS
As Required By The Provisions Of The ASME Code Section XI

1. Owner **Duke Power Company**
   Address **526 S. Church Street, Charlotte, NC 28201-1006**

1a. Date 12-5-95

Sheet 1 of 3

2. Plant **Oconee Nuclear Station**
   Address **P.O. Box 1439, Seneca, S.C. 29679**

2a. Unit ☒ 1 ☐ 2 ☐ 3 ☐ Shared (specify Units_____)

3. Work Performed By **Duke Power Company**
   Address **526 S. Church Street, Charlotte, NC 28201-1006**
   Type Code Symbol Stamp **N/A** Authorization No. **N/A** Expiration Date **N/A**

3a. Work Order # 95012179
Repair Organization Job #

3b. NSM or MM # 12960

4. Identification of System HP Class 2

5. (a) Applicable Construction Code ANSI B31.7 1968 Edition, 6/68 Addenda, NO Code Cases
   (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1989, No Addenda

6. Identification of Components Repaired or Replaced and Replacement Components

	Column 1	Column 2	Column 3	Column 4	Column 5	Col. 6	Column 7	Column 8
	Name of Component	**Name of Manufacturer**	**Manufacturer Serial Number**	**National Board Number**	**Other Identification**	**Year Built**	**Repaired, Replaced, or Replacement**	**ASME Code Stamped (yes or no)**
A	PIPING	DPC	NA	NA		1/73	☐ Repaired ☐ Replaced ☒ Replacement	☒ No ☐ Yes
B							☐ Repaired ☐ Replaced ☐ Replacement	☐ No ☐ Yes
C							☐ Repaired ☐ Replaced ☐ Replacement	☐ No ☐ Yes
D							☐ Repaired ☐ Replaced ☐ Replacement	☐ No ☐ Yes
E							☐ Repaired ☐ Replaced ☐ Replacement	☐ No ☐ Yes
F							☐ Repaired ☐ Replaced ☐ Replacement	☐ No ☐ Yes

Form 401463 (2-95)

Form NIS-2 (Back)

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

7. Description of Work Replaced 1HP-5 VALVE with item DMV-971

8. Test Conducted: ☐ Hydrostatic ☐ Pneumatic ☒ Nominal Operating Pressure ☐ Other ☐ Exempt

Pressure	_____ psig	Test Temp.	_____ °F
Pressure	_____ psig	Test Temp.	_____ °F
Pressure	_____ psig	Test Temp.	_____ °F

9. Remarks Performed SYS. LEAKAGE test at system temperature and pressure AND NDE PER ASME Code Case N-416-1 in lieu of hydro

(Applicable Manufacturer's Data Records to be Attached)

CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this **repair or replacement** conforms to the rules of the ASME Code, Section XI.

Type Code Symbol Stamp **N/A**

Certificate of Authorization No. **N/A** Expiration Date **N/A**

Signed C.R. Henson Date 12-3, 19 95
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Providence of N.C. and employed by **HSBI and I Company of Hartford Connecticut** have inspected the components described in this Owner's Report during the period 11-12-95 to 1-2-96; and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

[signature] Commissions NC914
Inspector's Signature National Board, State, Providence and Endorsements

Date 1-2, 1996

Form 401463 (2-95)

FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS
As Required By The Provisions Of The ASME Code Section XI

1. Owner **Duke Power Company**
   Address **526 S. Church Street, Charlotte, NC 28201-1006**

1a. Date 11-22-95

Sheet 1 of 2

2. Plant **Oconee Nuclear Station**
   Address **P.O. Box 1439, Seneca, S.C. 29679**

2a. Unit ☒ 1 ☐ 2 ☐ 3 ☐ Shared (specify Units_____)

3. Work Performed By **Duke Power Company**
   Address **526 S. Church Street, Charlotte, NC 28201-1006**
   Type Code Symbol Stamp **N/A** Authorization No. **N/A** Expiration Date **N/A**

3a. Work Order # 95018692
Repair Organization Job #

3b. NSM or MM # 12976

4. Identification of System HP Class 2

5. (a) Applicable Construction Code B31.7 1968 Edition, 6-68 Addenda, NO Code Cases
   (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1989, No Addenda

6. Identification of Components Repaired or Replaced and Replacement Components

	Column 1	Column 2	Column 3	Column 4	Column 5	Col. 6	Column 7	Column 8
	Name of Component	**Name of Manufacturer**	**Manufacturer Serial Number**	**National Board Number**	**Other Identification**	**Year Built**	**Repaired, Replaced, or Replacement**	**ASME Code Stamped (yes or no)**
A	VLV. 1-HP-5	EDWARD	N/A	N/A	N/A	N/A	☐ Repaired ☒ Replaced ☐ Replacement	☒ No ☐ Yes
B	VLV 1-HP-5	ANCHOR DARLING	V2223-007	21	Body SR V-29G Bonnet SR W-56A DISK V-749	1994	☐ Repaired ☐ Replaced ☒ Replacement	☐ No ☒ Yes
C							☐ Repaired ☐ Replaced ☐ Replacement	☐ No ☐ Yes
D							☐ Repaired ☐ Replaced ☐ Replacement	☐ No ☐ Yes
E							☐ Repaired ☐ Replaced ☐ Replacement	☐ No ☐ Yes
F							☐ Repaired ☐ Replaced ☐ Replacement	☐ No ☐ Yes

Form 401463 (2-95)

Form NIS-2 (Back)

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

7. Description of Work SEE REMARKS

8. Test Conducted: ☐ Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☐ Other ☒ Exempt

Pressure	_____ psig	Test Temp.	_____ °F
Pressure	_____ psig	Test Temp.	_____ °F
Pressure	_____ psig	Test Temp.	_____ °F

9. Remarks A. INSTALLED NEW HANGER
B. REPLACED EXISTING U-BOLT WITH NEW U-BOLT
C. CUT OUT ITEMS 3, 4 & 5 AND REPLALED WITH NEW MATERIAL
D. CUT OUT ITEMS 2 & 3 AND REPLACED WITH NEW MATERIAL

(Applicable Manufacturer's Data Records to be Attached)

CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this **repair or replacement** conforms to the rules of the ASME Code, Section XI.

Type Code Symbol Stamp **N/A**

Certificate of Authorization No. **N/A** Expiration Date **N/A**

Signed WMC Owner or Owner's Designee, Title Date 12/3, 19 95

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Providence of NC and employed by **HSBI and I Company of Hartford Connecticut** have inspected the components described in this Owner's Report during the period 11-12-95 to 1-2-96; and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

WMB Chapman Commissions NC914
Inspector's Signature National Board, State, Providence and Endorsements

Date 1-2, 1996

Form 401463 (2-95)

FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS
As Required By The Provisions Of The ASME Code Section XI

1. Owner **Duke Power Company**
   Address **526 S. Church Street, Charlotte, NC 28201-1006**

1a. Date 12/3/95

Sheet 2 of 2

2. Plant **Oconee Nuclear Station**
   Address **P.O. Box 1439, Seneca, S.C. 29679**

2a. Unit ☒ 1 ☐ 2 ☐ 3 ☐ Shared (specify Units_____)

3. Work Performed By **Duke Power Company**
   Address **526 S. Church Street, Charlotte, NC 28201-1006**
   Type Code Symbol Stamp **N/A** Authorization No. **N/A** Expiration Date **N/A**

3a. Work Order # 95018692
Repair Organization Job #

3b. NSM or MM # 2976

4. Identification of System HP Class 2

5. (a) Applicable Construction Code B31.7 1968 Edition, 6-68 Addenda, — NO Code Cases
   (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1989, No Addenda

6. Identification of Components Repaired or Replaced and Replacement Components

	Column 1	Column 2	Column 3	Column 4	Column 5	Col. 6	Column 7	Column 8
	Name of Component	Name of Manufacturer	Manufacturer Serial Number	National Board Number	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (yes or no)
A	HANGER 1-51A-437A-DE001	DPC	N/A	N/A	N/A	N/A	☐ Repaired ☐ Replaced ☒ Replacement	☒ No ☐ Yes
B	HANGER 1-51A-439A-LC-2503	DPC	N/A	N/A	N/A	N/A	☐ Repaired ☐ Replaced ☒ Replacement	☒ No ☐ Yes
C	HANGER 1-51-0-439D-LL-2504	DPC	N/A	N/A	N/A	N/A	☐ Repaired ☐ Replaced ☒ Replacement	☒ No ☐ Yes
D	HANGER 1-51A-439A-RD-2500	DPC	N/A	N/A	N/A	N/A	☐ Repaired ☐ Replaced ☒ Replacement	☒ No ☐ Yes
E							☐ Repaired ☐ Replaced ☐ Replacement	☐ No ☐ Yes
F							☐ Repaired ☐ Replaced ☐ Replacement	☐ No ☐ Yes

Oconee Nuclear Station
Problem Investigation Process
Problem Investigation Form

PIP Serial No:	**1-O95-1427**	**LER Serial No:**	
MSE Serial No:		**Other Report:**	

No Maintenance Rule for this PIP.

End of the Document for PIP No: 1-O95-1427
The status of this PIP is: Closed
The duration of this PIP was 19 days.

PIP Serial No:	**1-O95-1427**	**LER Serial No:**	
MSE Serial No:		**Other Report:**	

The issue of water hammer occurring on this line is documented in PIP 1-94-0701 and will be resolved by corrective action to that PIP.

Immediate Corrective Action, Work Order 95086699, reinstalled the anchors to the proper torque. No further corrective actions are required for this PIP.

Originated By: PAWELLS Team: RAH8344 Group: MCE Date: 11/29/95

	Indiv	Team	Group	Date
Accepted By:	KWGEORGE	TKR7315	MCE	11/13/95
Assigned To:	PAWELLS	RAH8344	MCE	11/13/95
Due Date:	11/30/95			
Ready for Approval:	PAWELLS	RAH8344	MCE	11/29/95
Approved By:	RAHEINEC	RAH8344	MCE	11/29/95
Concurrence:	HDUMEYER	LVW7310	SRG	11/29/95

Remarks:

IV. Corrective Actions

No Corrective Actions for this PIP.

V. Final and Overall PIP Approval

Criterion XVI Review:
XVI Review Not Required for this PIP.

Overall PIP Approval:	Indiv	Team	Group	Date
Accepted By:	HDUMEYER	LVW7310	SRG	11/20/95
Assigned To:			MCE	11/29/95
Due Date:				
Ready for Approval:				
Approved By:	RAHEINEC	RAH8344	MCE	11/29/95

VI. Attachments

Environmental:
No Environmental for this PIP.

Maintenance Rule:

Oconee Nuclear Station
Problem Investigation Process
Problem Investigation Form

PIP Serial No:	**1-O95-1427**	**LER Serial No:**	
MSE Serial No:		**Other Report:**	

Assigned To:			SRG	11/13/95
Due Date:				
Ready For Approval:				
Approved By:	HDUMEYER	LVW7310	SRG	11/29/95

Investigation Report:
Responsible Group for Investigation Report: Date:
Investigator: Group: Act Date:
Date Due to VP or Sta. Mgr:
Date Regulatory or Agency Rpt Due:
Date Investigation Report Approved:
NRC Cause Codes:

III. Problem Evaluation

System(s) Affected: MSC Miscellaneous

Affected Equipment: WMS Equipment ID No.	Comp. Code	Manufacturer Name

Problem Evaluation: Group: MCE Status: Closed

The steam generator drain line has had problems with damage to hangers and anchors pulling out of concrete in the past due to water hammer. PIP 1-094-0701 documents such a problem that occurred on this same line. Root cause of anchors pulling out of the concrete is a transient load (water hammer) on this support. The pipe supports on this line are not designed to withstand water hammer loads.

A secondary cause was the anchors were not properly torqued upon original installation. If installed at minimum embedment properly, these anchors will fail by spalling concrete. No concrete was damaged, which indicates that the anchors were not torqued properly upon installation. Procedures are in place today which prevent this from reoccurring.

Originated By: PAWELLS Team: RAH8344 Group: MCE Date: 11/29/95

Event	Cause Cd	Cause Description	Primary	Causing Group(s)
F2	F5	Equipment/Material Use Practices	Yes	UNK
F2	M2o	Unanticipated interaction of systems or components	Yes	SES

Responsible Group(s) for Proposed Resolution: MCE Mech/Civil Eq. Eng.

	Indiv	Team	Group	Date
Accepted By:	KWGEORGE	TKR7315	MCE	11/13/95
Assigned To:	PAWELLS	RAH8344	MCE	11/13/95
Due Date:	11/30/95			
Ready for Approval:	PAWELLS	RAH8344	MCE	11/29/95
Approved By:	RAHEINEC	RAH8344	MCE	11/29/95
Concurrence:	HDUMEYER	LVW7310	SRG	11/29/95

Proposed Resolution From: Group: MCE Status: Closed

Oconee Nuclear Station
Problem Investigation Process
Problem Investigation Form

PIP Serial No:	**1-O95-1427**	**LER Serial No:**	
MSE Serial No:		**Other Report:**	

Comments:

Operability not required due to unit status.

Originated By: HDUMEYER Team: LVW7310 Group: SRG Date: 11/13/95

	Indiv	Team	Group	Date
Accepted By :	HDUMEYER	LVW7310	SRG	11/13/95
Assigned To :			SRG	11/13/95
Due Date:				
Approved By:	HDUMEYER	LVW7310	SRG	11/13/95
Evaluated By :	HDUMEYER	LVW7310	SRG	11/13/95

Past Operability:

Sys/Comp Operable?(Y,N,C,E) :	Y	Status:	Closed
Responsible Group:	MCE		
Required Mode:	N/A	Due Date:	11/30/95

Comments:

Piping system was evaluated for past operability based on S/R 1-04A-2-0-439B-R5 being inoperable. Piping was analyzed assuming S/R R5 was inactive. Pipe stresses were below allowables, but S/R 1-04A-2-0-439B-H12 exceed operability allowables on its U-bolt. Piping was then analyzed with both R5 and H12 considered inactive. Piping stresses and support stresses were reviewed and all found to be within operable allowables. See OSC-4840 for documentation of this review.

Piping was found to be past operable.

Originated By: PAWELLS Team: RAH8344 Group: MCE Date: 11/29/95

	Indiv	Team	Group	Date
Accepted By :	KWGEORGE	TKR7315	MCE	11/13/95
Assigned To :	PAWELLS	RAH8344	MCE	11/13/95
Due Date:	11/30/95			
Checked By:	JPPATEL	RAH8344	MCE	11/29/95
Approved By:	RAHEINEC	RAH8344	MCE	11/29/95
Evaluated By :	HDUMEYER	LVW7310	SRG	11/29/95

Reportability:

Problem Reportability?(Y,N,E) :		
Reportable Per:		
Responsible Group for Reportability:	SRG	Due Date:

Comments:

	Indiv	Team	Group	Date
Accepted By:	HDUMEYER	LVW7310	SRG	11/20/95

that this work be completed prior to Unit 1 startup.

Originated By: PAWELLS Team: RAH8344 Group: MCE Date: 11/10/95

Problem Found While Working with Document No. :

Immediate Corrective Action Work Request / Work Order No. :

	Indiv	Team	Group	Date:
Problem Identified By:	PAWELLS	RAH8344	MCE	11/10/95
Problem Entered By:	PAWELLS	RAH8344	MCE	11/10/95

II. Significance

Is the Problem Significant? N Action Category: 3
Significance Codes:
MSE No: LER No: OEP No:
Other Report Nos:
Event Codes: F2 Equipment Failure (CFAR or Important Component)

Screening Remarks:

This event meets the MSE significance criteria in that a past operability evaluation is required by Eng. Present operability is not in question due to unit status.

Screened by the CST.

Originated By: HDUMEYER Team: LVW7310 Group: SRG Date: 11/13/95

PIP downgraded based on operability results.

Last Updated By: HDUMEYER Team: LVW7310 Group: SRG Date: 11/29/95

Responsible Group for Proposed Resolution(s): MCE Mech/Civil Eq. Eng.

Responsible Group for Problem Evaluation: MCE Mech/Civil Eq. Eng.
Responsible Group for Overall PIP approval: MCE Mech/Civil Eq. Eng.

	Indiv	Team	Group	Date:
Screened By:	HDUMEYER	LVW7310	SRG	11/13/95

This PIP has been downgraded from an MSE to an LSE status

Present Operability:
Sys/Comp Operable?(Y,N,C,E) : Y Status: Closed
Responsible Group: SRG
Required Mode: Due Date:

Oconee Nuclear Station
Problem Investigation Process
Problem Investigation Form

PIP Serial No:	**1-O95-1427**	**LER Serial No:**	
MSE Serial No:		**Other Report:**	

I. Problem ID

Discovered Time/Date: 11/10/95 Occurred Time/Date:

Unit(s): 1	Status at Time Discovered:	Unit 1	Unit 2	Unit 3
	Mode:	N/A	N/A	N/A
	% Power:			

Unit Status Remarks:

System(s) Affected: MSC Miscellaneous

Affected Equipment:	Comp.	Manufacturer
WMS Equipment ID No.	Code	Name

Location of Problem - Bldg: AB Column Line: P-69 Elev: 828

Location Remarks:
In East Pen Room

Method Used to Discover Problem:
Evaluation of In-Service Inspection (ISI) discrepancy

Brief Problem Description:
Pipe Support S/R 1-04A-2-0-439B-R5 was inspected per ISI. Inspection showed sleeve anchors had slipped out of concrete about 1/4".

Detail Problem Description:
Pipe Support S/R 1-04A-2-0-439B-R5 was inspected as part of the ISI program. This support is on the Steam Generator Flush and Drain line. Inspection of this hanger revealed that some anchors had slipped out of the concrete about 1/4". Civil Engineering has reviewed this support and determined it to be unacceptable for continued service in its current condition.

Originated By: PAWELLS Team: RAH8344 Group: MCE Date: 11/10/95

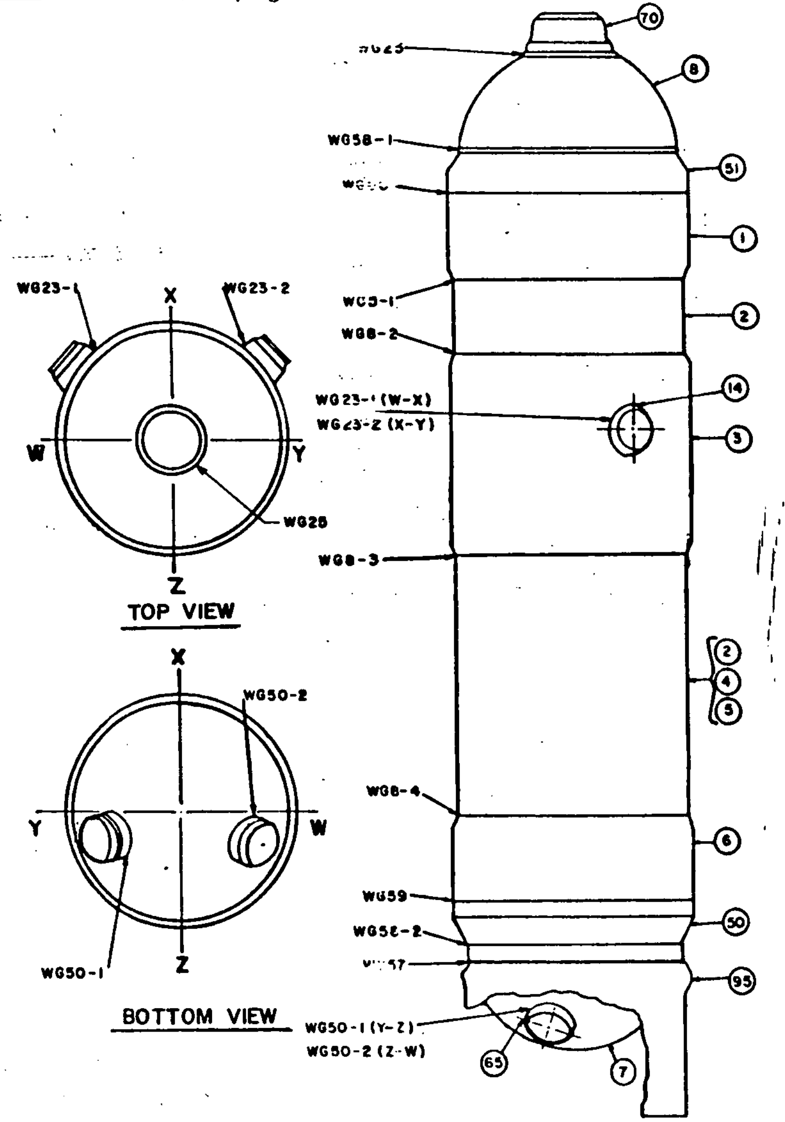
Last Updated By: PAWELLS Team: RAH8344 Group: MCE Date: 11/10/95

Other Units/Components/Systems/Areas Affected (Y,N,U): N

Industry Plants Affected (Y,N,U): N

Immediate Corrective Actions:
Work Request 95046806 was initiated to reseat and retorque the anchors that had slipped out. Request was made

WELD LIST				BILL OF MATERIAL			
IDENT NO.	PIECE NO.	DIAM.	THICK.	PC. NO.	QTY	DESCRIPTION	MATL.
[illegible]8-1	1 TO 2	138" I.D.	4.188 MIN.	1	1	SHELL SECTION	SA 212 GR.B
WG8-2	2 TO 3	138" I.D.	4.188 MIN.	2	2	SHELL SECTION	SA 212 GR.B
WG8-3	3 TO 2	138" I.D.	4.188 MIN.	3	1	SHELL SECTION	SA 212 GR.B
WG8-4	5 TO 6	138" I.D.	4.188 MIN.	4	1	SHELL SECTION	SA 212 GR.B
WG23-1	14 TO 3	29.00"	6.625 MIN.	5	1	SHELL SECTION	SA 212 GR.B
WG23-2	14 TO 3	29.00"	6.625 MIN	6	1	SHELL SECTION	SA 212 GR.B
WG25	70 TO 8	48.63"	8.000 MIN	7	1	LOWER HEAD	SA 302 GR.B
WG50-1	65 TO 7	38.38"	8.000 MIN.	8	1	UPPER HEAD	SA 302 GR.B
WG50-2	65 TO 7	38.38"	8.000 MIN.	14	2	24" STEAM OUTLET NOZZLE	SA 508 CL.1
WG57	95 TO 7	135" I.D.	N/A	50	1	LOWER TUBE SHEET	SA 508 CL.2
WG58-1	8 TO 51	119" I.D.	8.000 MIN.	51	1	UPPER TUBE SHEET	SA 508 CL.[illegible]
WG58-2	7 TO 50	119" I.D.	8.000 MIN.	65	2	28" PRIMARY OUTLET NOZZLE	SA 508 CL.[illegible]
WG59	6 TO 50	138" I.D.	6.625 MIN.	70	1	36" PRIMARY INLET NOZZLE	SA 508 CL.1
WG60	1 TO 51	138" I.D.	6.625 MIN.	95	1	SUPPORT SKIRT TRANSITION RING	SA 302 GR.B



REFERENCE DWGS:
CM 201-1873
OM 201-176

NOTES:

1. ALL I.D. NUMBERS SHALL BE PRECEDED BY "ISGA-"
2. PIECE NUMBERS ARE SHOWN IN CIRCLES.

NO.	REVISION	DRWN / DATE	RVWD / DATE	APPD / DATE
1	Add Top & Bot. Views & Ref. Drawings	MWL 7-[illegible]	JH [illegible]	JOE 7-[illegible]
0	ORIGINAL	AWS		

TITLE: STEAM GENERATOR "A" WELD OUTLINE

DWG NO. ISI-OCNI-003 REV. 1

Attachment to 96-01 page 1 of 2

WELD LIST

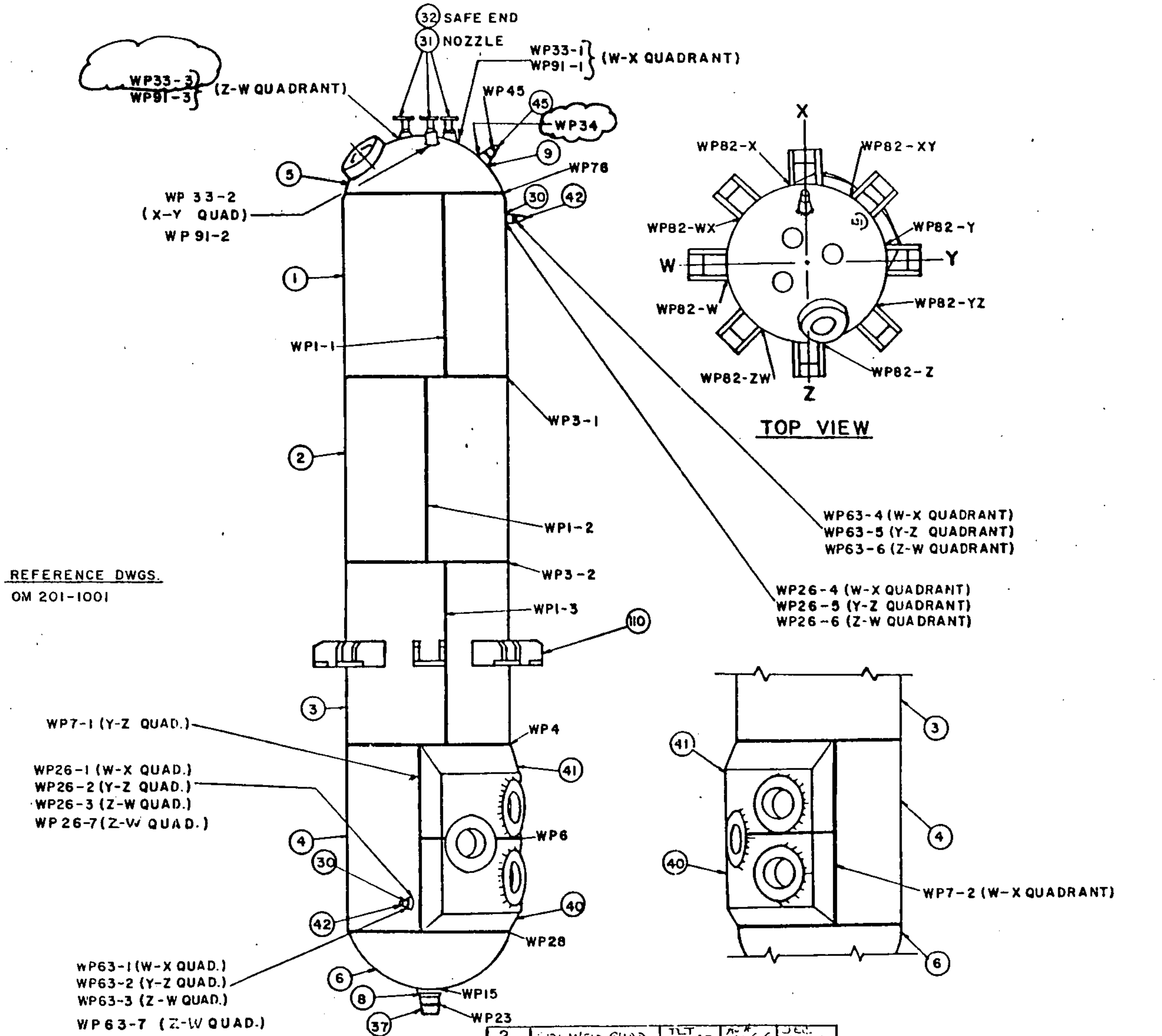
IDENT NO.	PIECE NO.	DIAM.	THICK.
WP1-1	1 TO 1	N/A	6.188
WP1-2	2 TO 2	N/A	6.188
WP1-3	3 TO 3	N/A	6.188
WP3-1	1 TO 2	84" I.D.	6.188
WP3-2	2 TO 3	84" I.D.	6.188
WP4	3 TO 4 & 41	84" I.D.	6.188
WP6	40 TO 41	84" I.D.	13.563
WP7-1	4 TO 40 & 41	N/A	6.188
WP7-2	4 TO 40 & 41	N/A	6.188
WP15	6 TO 8		4.750
WP23	8 TO 37	10" NPS	1.063
WP26-1	30 TO 4		6.188
WP26-2	30 TO 4		6.188
WP26-3	30 TO 4		6.188
WP26-4	30 TO 1		6.188
WP26-5	30 TO 1		6.188
WP26-6	30 TO 1		6.188
WP26-7	30 TO 4		6.188
WP28	6 TO 4 & 40	84" I.D.	4.750
WP33-1	31 TO 5		4.750
WP33-2	31 TO 5		4.750
WP33-3	31 TO 5		4.750
WP34	9 TO 5		4.750
WP45	45 TO 9	4" NPS	0.750
WP63-1	42 TO 30		1.1875
WP63-2	42 TO 30		1.1875
WP63-3	42 TO 30		1.1875
WP63-4	42 TO 30		1.1875
WP63-5	42 TO 30		1.1875
WP63-6	42 TO 30		1.1875
WP76	1 TO 5	84" I.D.	4.750
WP82-X	110 TO 3	N/A	3.500
WP82-XY	110 TO 3	N/A	3.500
WP82-Y	110 TO 3	N/A	3.500
WP82-YZ	110 TO 3	N/A	3.500
WP82-Z	110 TO 3	N/A	3.500
WP82-ZW	110 TO 3	N/A	3.500
WP82-W	110 TO 3	N/A	3.500
WP82-WX	110 TO 3	N/A	3.500

BILL OF MATERIAL

PC. NO.	QTY	DESCRIPTION	MATL.
1	1	UPPER SHELL COURSE	SA 212 GR. B
2	1	MIDDLE SHELL COURSE	SA 212 GR. B
3	1	LOWER SHELL COURSE	SA 212 GR. B
4	1	HEATER BELT SHELL	SA 212 GR. B
5	1	UPPER HEAD	SA 212 GR. B
6	1	LOWER HEAD	SA 212 GR. B
8	1	PRESSURIZER SURGE NOZZLE	SA 508 CL. 1
9	1	PRESSURIZER SPRAY NOZZLE	SA 508 CL. 1
30	6	SAMPLING NOZZLE	SA 508 GR. B
31	3	PRESSURIZER RELIEF NOZZLE	SA 508 CL. 1
32	3	PRESSURIZER RELIEF NOZZLE SAFE END	SA 182 F316
37	1	PRESSURIZER SURGE NOZZLE SAFE END	SA 336 CL. F8M
40	1	LOWER HEATER BELT FORGING	SA 508 CL. 1
41	1	UPPER HEATER BELT FORGING	SA 508 CL. 1
42	6	SAMPLING NOZZLE SAFE END	SB-166
45	1	PRESSURIZER SPRAY NOZZLE SAFE END	SB-166
110	8	PRESSURIZER SUPPORT LUG ASSEMBLY	SA-516 GR. 70

WELD LIST (CONT.)

I.D. NO.	PC. NO.	DIAM.	THICK.
WP91-1	31 TO 32	2 1/2" NPS	1.000
WP91-2	31 TO 32	2 1/2" NPS	1.000
WP91-3	31 TO 32	2 1/2" NPS	1.000
WP63-7	42 TO 30	SAMPLING	1.1875



REFERENCE DWGS.
OM 201-1001

NOTES:
1. ALL I.D. NUMBERS SHALL BE PRECEDED BY "1PRZ-"
2. PIECE NUMBERS ARE SHOWN IN CIRCLES.

NO.	REVISION	CRWN DATE	RVWD DATE	APPD DATE
2	REV. WELD QUAD.	[illegible]	[illegible]	[illegible]
1	Add. Ref. Dwgs.	AWS 7/23/81	HJH 7-23-81	JOB 7-23-81
0	ORIG.	AWS [illegible]/81	[illegible]	CBC [illegible]

TITLE: PRESSURIZER WELD OUTLINE

DWG NO. ISI-OCNI-002 REV. 2

This weld was limited to 73.8% coverage of the required volume because of the proximity of five restraints which prevent scanning the required weld volume and near surface volume from the tube sheet side.

All three units are being documented in this request for relief as outlined in NRC correspondence dated May 5, 1995 concerning NRC Inspection Report No. 50-269/95-05, 50-270/95-05, and 50-287.

For welds and components listed in this request for relief, all configurations, including interferences, are the same for Units 2 and 3. If for some reason, the actual examination coverage of the welds referenced in this request for relief for Units 2 and 3 are less than those listed for Unit 1; additional requests for relief will be submitted on a case by case basis.

V. Alternate Examinations or Testing:

Duke Power company will continue to perform ultrasonic examination of all welds identified in Section 1 of this request (for all units) to the maximum extent practical, within the limits of original design and construction, in accordance with the requirements of ASME Section V, Article 4, and ASME Section XI, Appendix I, 1989 Edition.

VI. Justification for the Granting of Relief:

Duke Power Company will continue to ultrasonically examine the welds, including inside radii, to the extent practical within the limits of original design and construction. This will provide reasonable assurance of weld/component integrity. Thus, an acceptable level of quality and safety will have been achieved and public health and safety will not be endangered by allowing relief from the aforementioned Code requirements.

VII. Implementation Schedule:

Unit 1, Refueling Outage 16
Unit 2, Refueling Outages 17 and 18
Unit 3, Refueling Outage 16

Evaluated By: R G Rose Date 2/8/96

Reviewed By J O Barbour Date 2/20/96

barriers, obtaining at least 90% of the weld length as outlined in Code Case N-460 is not possible with existing ultrasonic technology.

The specified Code requirements identified in Section 2 of this request, require scanning of the examination volume(s) using three angle beams and a straight beam from both sides of the weld. When scanning for reflectors parallel to the weld, the angle beams shall be aimed at right angles to the weld axis, with the search unit(s) manipulated so that the ultrasonic beams pass through the entire volume of weld metal. The adjacent base metal in the examination volume must be completely scanned by both angle beams from both directions (any combination of two angle beams will satisfy the requirement).

When scanning for reflectors transverse to the weld, the angle beam search units shall be aimed parallel to the axis of longitudinal and circumferential welds. The search unit shall be manipulated so that the ultrasonic beams pass through all of the examination volume.

Scanning shall be done in two directions 180 degrees to each other to the extent possible. Areas blocked by geometric conditions shall be examined from at least one direction.

Code Case N-460 allows credit for full volume coverage if it can be shown that at least 90% of the required volume has been examined.

IV. Basis for Relief:

Pressurizer Nozzle-to-Shell Weld 1-PZR-WP34 (Item Number B03.110.002) was examined to the maximum extent practical using ultrasonic techniques in accordance with the requirements of ASME Section V, Article 4, and ASME Section XI, Appendix I, 1989 Edition.

This weld is limited to 70.75% coverage of the required volume because of the nozzle configuration.

Pressurizer Nozzle-to-Shell Welds 1-PZR-WP33-3 and 1-PZR-WP33-2 (Item Numbers B03.110.003 and B03.110.004 respectively) were examined to the maximum extent practical using ultrasonic techniques in accordance with the requirements of ASME Section V, Article 4, and ASME Section XI, Appendix I, 1989 Edition.

These welds are limited to 66.5% coverage of the required volume because of the nozzle configuration.

Steam Generator Tubesheet-to-Shell Weld 1-SGA-WG60 (Item Number C01.030.001) was examined to the maximum extent practical using ultrasonic techniques in accordance with the requirements of ASME Section V, Article 4, and ASME Section XI, Appendix I, 1989 Edition.

Duke Power Company

Station Oconee Unit 1, 2 & 3

10-YEAR INTERVAL REQUEST FOR RELIEF NO. 96-01

I. System/Component(s) for Which Relief is Requested:

a. Pressurizer Nozzle-to-Vessel Welds:

1-PZR-WP34, Item Number B03.110.002
1-PZR-WP33-3, Item Number B03.110.003
1-PZR-WP33-2, Item Number B03.110.004

2-PZR-WP34, Item Number B03.110.002
2-PZR-WP33-3, Item Number B03.110.003
2-PZR-WP33-2, Item Number B03.110.004

3-PZR-WP34, Item Number B03.110.002
3-PZR-WP33-3, Item Number B03.110.003
3-PZR-WP33-2, Item Number B03.110.004

b. Steam Generator Tubesheet-to-Shell Welds:

1-SGA-WG60, Item Number C01.030.001

2-SGA-WG60, Item Number C01.030.001

3-SGA-WG60, Item Number C01.030.001

II. Code Requirement:

Figure IWB-2500-7, Examination Category B-D, Full Penetration Welds Of Nozzles In Vessels - Inspection Program B.

Figure IWC-2500-1, Examination Category C-A, Pressure Retaining Welds In Pressure Vessel; Note 1 "Includes essentially 100% of the weld length".

III. Code Requirement from which Relief is Requested:

Relief is requested from the requirement of examining essentially 100% of the weld length. The applicable code required is ASME Section V, Article 4, T-441.3.2, Scanning Requirements, 1989 Edition with no Addenda as modified by Code Case N-460. Due to part geometry and actual physical

practical in accordance with the requirements of ASME Section V, Article 4, 1989 Edition.

4. In Section IV of the request for relief, you specify the percent coverage for the Unit 3 welds only. No examinations have yet been performed this interval on the corresponding similar Unit 1 and 2 welds which are also identified in this request for relief. Since our evaluation which supports approval of the request for relief is dependent in part on the percent coverage achieved for the welds, it would appear that case by case relief would still be necessary should corresponding welds on Units 1 and 2 receive less coverage than those described for Unit 3.

A: Duke concurs that coverage on corresponding identical Unit 1 and 2 welds should be greater than or equal to the coverages approved for Unit 3 in the request for relief. Accordingly, if the coverages for corresponding identical welds on Unit 1 or 2 are less than those approved for Unit 3, then additional request for relief will be filed on an individual basis for these welds.

Attachment

Questions and Answers

1. Please verify for the welds identified in Part I of the request for relief, that the physical configuration, including interferences, is identical for Units 1, 2, and 3. This request for verification is because technical information is only provided for Unit 3 in the request for relief.

A: For the welds identified in Part I of the request for relief, the physical configuration, including interferences, is identical for Units 1, 2, and 3. This conclusion is based on a combination of drawing reviews and field experience.

2. In Section V of the request for relief, you identify the alternate examinations that you will perform on Unit 3 Reactor Pressure Vessel (RPV) welds. However, since the request for relief is also for the same welds on Units 1 and 2, please confirm that the alternate examinations you have specified in Section V for Unit 3 will also be performed for Units 1 and 2.

A: Duke Power Company will also continue to perform ultrasonic examination of Item Numbers B01.021.001 (RPV Head Weld) and B01.040.001 (RPV Head-to-Flange Weld) for Units 1 and 2, to the maximum extent practical in accordance with the requirements of ASME Section V, Article 4, 1989 Edition, and Regulatory Guide 1.150, Revision 1, Appendix A.

3. In Section V of the request for relief, you identify the alternate examinations that you will perform on Units 1 and 3 Steam Generator A welds, but no mention is made regarding alternate examinations on the similar Unit 2 welds. Do you intend to perform the same alternate examinations on the Unit 2 welds identified in Section I, parts c and d?

A: Due to an administrative oversight, the Unit 2 Steam Generator A welds identified in Section I, parts c and d, were not included in Section V of the request for relief. Therefore, the following statement should be added to Section V of the existing request for relief:

> Duke Power Company will also continue to perform an ultrasonic examination of Item Numbers B03.130.003, B03.130.004, B03.140.003, and B03.140.004 (Steam Generator A Primary Outlet Nozzle-to-Lower Head Weld and Inside Radius), for Unit 2, to the maximum extent

bxc (w/ attchs): T. J. Coleman
R. G. Rouse
D. A. Nix

bxc (w/o attchs): J. O. Barbour
J. E. Burchfield
B. W. Carney
M. B. Chapman
J. C. Shropshire
ELL EC050
ISI Relief Request File

xc (w/attch): Mr. L. A. Wiens
Office of Nuclear Reactor Regulation
U. S. Nuclear Regulatory Commission
Washington, DC 20555

Attn: Mike Anderson
Lockheed of Idaho
2351 North Boulevard
Idaho Falls, ID, 83415-2209

xc(w/o attch): Mr. S. D. Ebneter
Regional Administrator, Region II
U. S. Nuclear Regulatory Commission

Mr. P. E. Harmon
Senior NRC Resident Inspector
Oconee Nuclear Station

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

Duke Power Company
Oconee Nuclear Site
P.O. Box 1439
Seneca, SC 29679

J. W. Hampton
Vice President
(864)885-3499 Office
(864)885-3564 Fax

DUKE POWER

February 27, 1996

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

Subject: Duke Power Company
Oconee Nuclear Station, Units 1, 2, and 3
Docket Nos. 50-269, -270, and -287
Third Ten Year Inservice Inspection Interval
Request for Relief No. 95-04
Supplemental Information

Per a telephone conference on February 12, 1996, the NRC requested additional information to clarify information provided in Request for Relief 95-04 dated October 5, 1995. Please find attached the additional information in support of the request for relief.

If there are any questions or further information is needed you may contact D. A. Nix at (803) 885-3634.

Very truly yours,

J. W. Hampton
Site Vice President

Attachment

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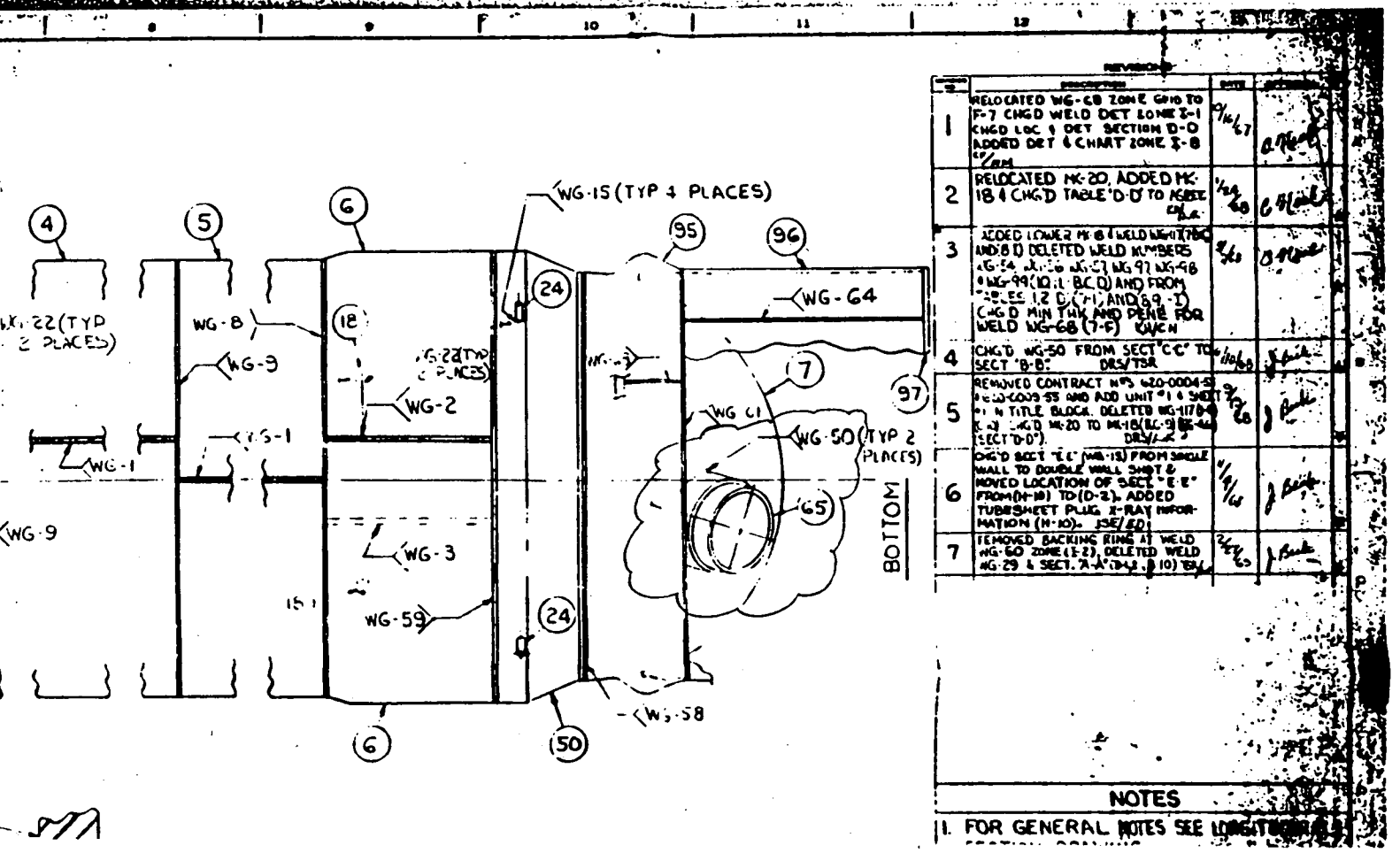


1	RELOCATED WG-68 ZONE G-10 TO F-7 CHG'D WELD DET ZONE I-1 CHG'D LOC & DET SECTION D-D ADDED DET & CHART ZONE I-8 CP/LAM	12/16/87	
2	RELOCATED MK-20, ADDED MK-18 & CHG'D TABLE D-D TO AGREE CP/LA	1/24/88	
3	ADDED LOWER MK-8 & WELD NUMBERS AND B.D DELETED WELD NUMBERS WG-64 WG-65 WG-67 WG-97 WG-98 & WG-99 (10-L, B.C.D) AND FROM TABLES 1.2 D (7-I) AND 6.9-I) CHG'D MIN THK AND PENE FOR WELD WG-68 (7-F) CP/CN	2/1/88	
4	CHG'D WG-50 FROM SECT "C-C" TO SECT "B-B". DRS/TSR	6/10/88	
5	REMOVED CONTRACT NOS 420-0004-5 & 420-0009-55 AND ADD UNIT "1 & SHEET "1 IN TITLE BLOCK. DELETED WG-117 & CHG'D MK-20 TO MK-18 (B.C-9) & SECT D-D"). DRS/	9/2/88	
6	CHG'D SECT "E-E" (MK-18) FROM SINGLE WALL TO DOUBLE WALL SHOT & MOVED LOCATION OF SECT "E-E" FROM (H-18) TO (D-2). ADDED TUBESHEET PLUG X-RAY INFORMATION (H-10). JSE/ED	11/1/88	
7	REMOVED BACKING RING AT WELD WG-60 ZONE (I-2), DELETED WELD WG-29 & SECT. "A-A" (D-4, D-10)	2/22/89	

STEAM GENERATOR

WELD ID

2-SGA-WG50-2
2-SGA-WG50-1

ITEM NOS.

B03.130.001
B03.140.001

B03.130.002
B03.140.002

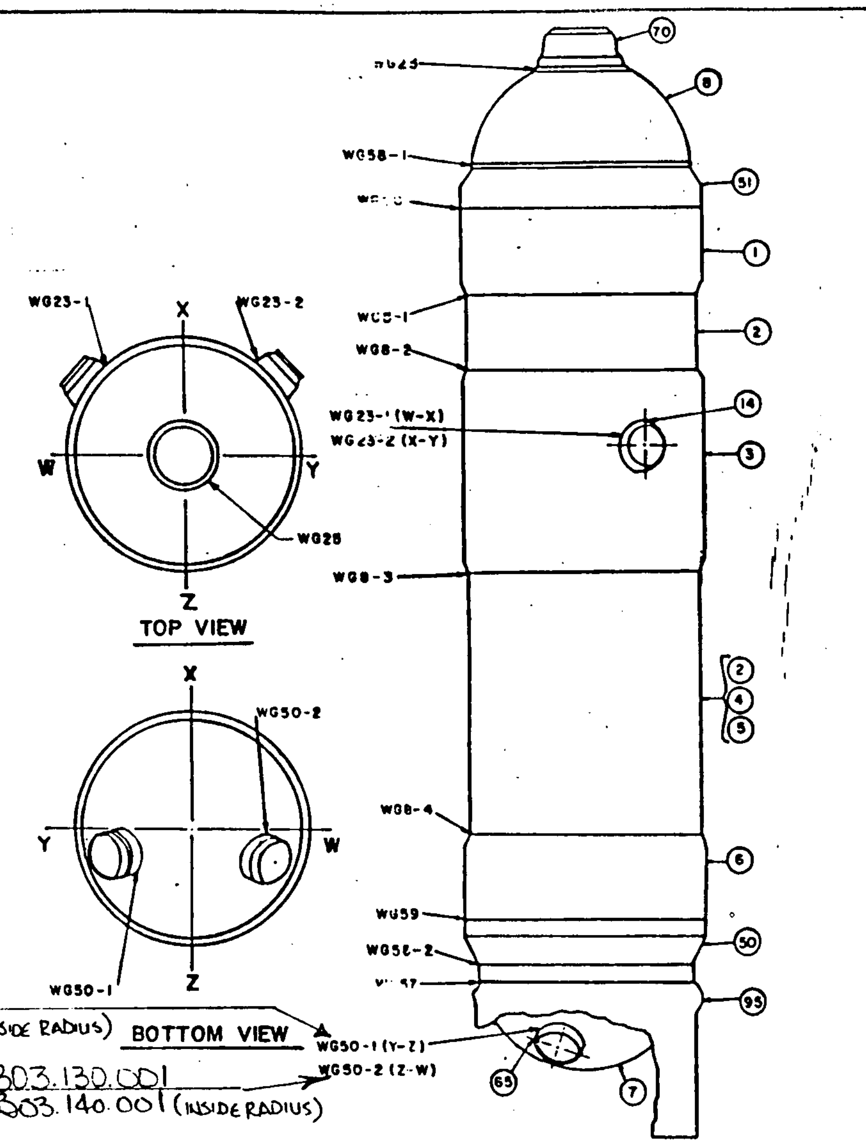
WELD LIST

IDENT NO.	PIECE NO.	DIAM.	THICK.
[illegible]8-1	1 TO 2	138" I.D.	4.188 MIN.
WG8-2	2 TO 3	138" I.D.	4.188 MIN.
WG8-3	3 TO 2	138" I.D.	4.188 MIN.
WG8-4	5 TO 6	138" I.D.	4.188 MIN.
WG23-1	14 TO 3	29.00"	6.625 MIN.
WG23-2	14 TO 3	29.00"	6.625 MIN
WG25	70 TO 8	48.63"	8.000 MIN
WG50-1	65 TO 7	38.38"	8.000 MIN
WG50-2	65 TO 7	38.38"	8.000 MIN.
WG57	95 TO 7	135" I.D.	N/A
WG58-1	8 TO 51	119" I.D.	8.000 MIN
WG58-2	7 TO 50	119" I.D.	8.000 MIN.
WG59	6 TO 50	138" I.D.	6.625 MIN.
WG60	1 TO 51	138" I.D.	6.625 MIN.

BILL OF MATERIAL

PC. NO.	QTY	DESCRIPTION	MATL.
1	1	SHELL SECTION	SA [illegible]12 GR. B
2	2	SHELL SECTION	SA 212 GR. B
3	1	SHELL SECTION	SA 212 GR. B
4	1	SHELL SECTION	SA 212 GR. B
5	1	SHELL SECTION	SA 212 GR. B
6	1	SHELL SECTION	SA 212 GR. B
7	1	LOWER HEAD	SA 302 GR. B
8	1	UPPER HEAD	SA 302 GR. B
14	2	24" STEAM OUTLET NOZZLE	SA 508 CL. 1
50	1	LOWER TUBE SHEET	SA [illegible] CL. 2
51	1	UPPER TUBE SHEET	SA [illegible]8 CL [illegible]
65	2	28" PRIMARY OUTLET NOZZLE	SA [illegible] CL. [illegible]
70	1	36" PRIMARY INLET NOZZLE	SA 508 CL. 1
95	1	SUPPORT SKIRT TRANSITION RING	SA 302 GR. B

UNCONTROLLED



B03.130.002
B03.140.002 (INSIDE RADIUS)

BOTTOM VIEW

B03.130.001
B03.140.001 (INSIDE RADIUS)

REFERENCE DWGS:
[illegible] 201-1873
OM 201-176

NOTES:

1. ALL I.D. NUMBERS SHALL BE PRECEDED BY "ISGA-".
2. PIECE NUMBERS ARE SHOWN IN CIRCLES.

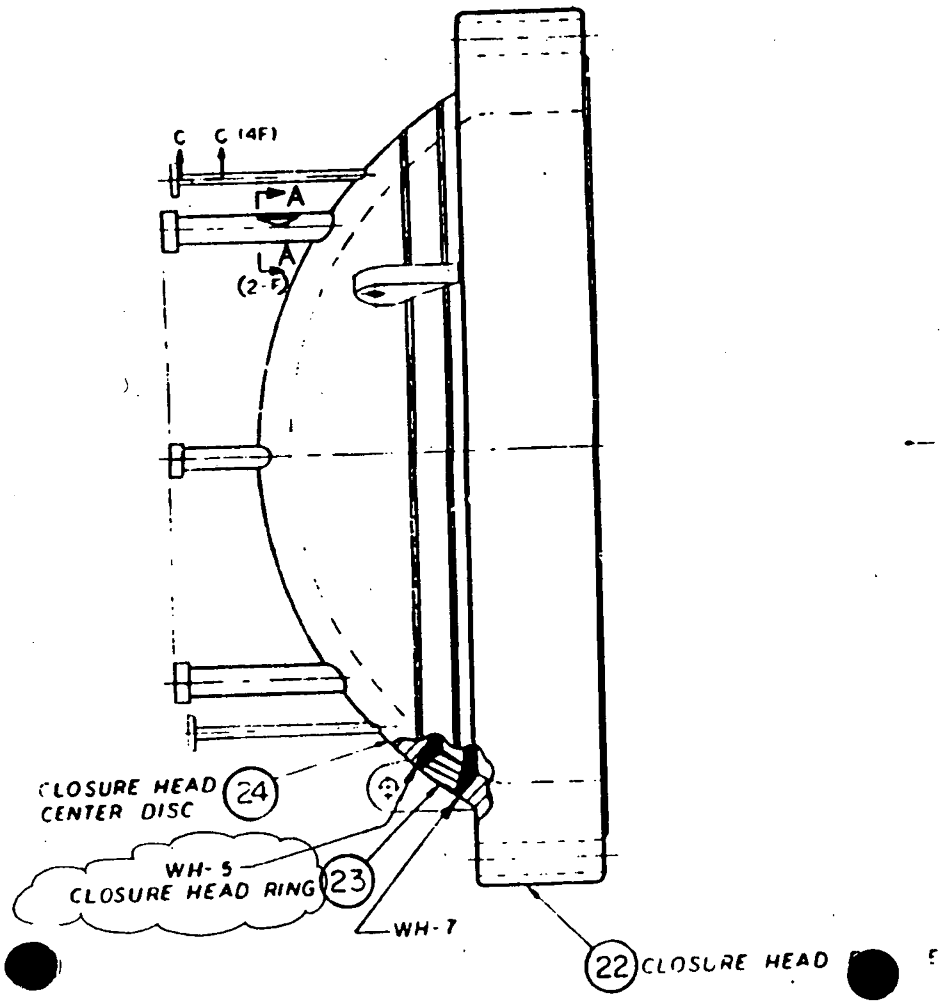
NO.	REVISION	DRWN / DATE	RVWD / DATE	APPD / DATE
1.	Add [illegible] Views & [illegible] Drawing	[illegible] [illegible]	JH [illegible]	JOE 7-[illegible]
0	ORIGINAL	[illegible]		

TITLE
STEAM GENERATOR "A"
WELD OUTLINE

DWG NO. ISI-OCNI-003 REV. 1

REVISIONS

NO.	DESCRIPTION	DATE	APPROVED
1	PLAN VIEW – RELOCATED LIFTING LUGS 90° CLOCKWISE XTO/AMS	[illegible]	G. R[illegible]
2	(5B) ADDED THERMOCOUPLE PENETRATIONS (4F) ADDED SECTION C-C RWM/AMS	6-7-68	G. R[illegible]
3	(ZONE C-8) RELOCATED SECT. A-A INDICATION. (ZONE I-11) REMOVED REF. TO CONTRACTS 620-0004 & 620-0009. (ZONE G-2 & H-2) IN SECT. B-B: EXTENDED VIEW TO INCLUDE MK-152 (WH-38, [illegible] (4-1), .643 WAS .750.	11/[illegible]/68	RDP
4	(8C) RELOCATED CALLOUT FOR SECT A-A (3&4GH): DELETED MK-152 & WH-38. (4F) CHGD CONFIG. OF WELD PREP TO SUIT DETAIL DWG. REL/RFH	8/8/69	K[illegible]
5	(SECTION 'A-A' & 'B-B') MOVED SOURCE & PENETRAMETER OUTSIDE OF CRDM HOUSING & (SECTION 'B-B') FINE GRAIN FILM WAS AA OR EQUIV. 200KV TO 400KV X-RAY WAS IR-192, & ADDED MIN FOCAL DIST 36" ADV/SGS	7/11/70	[illegible]



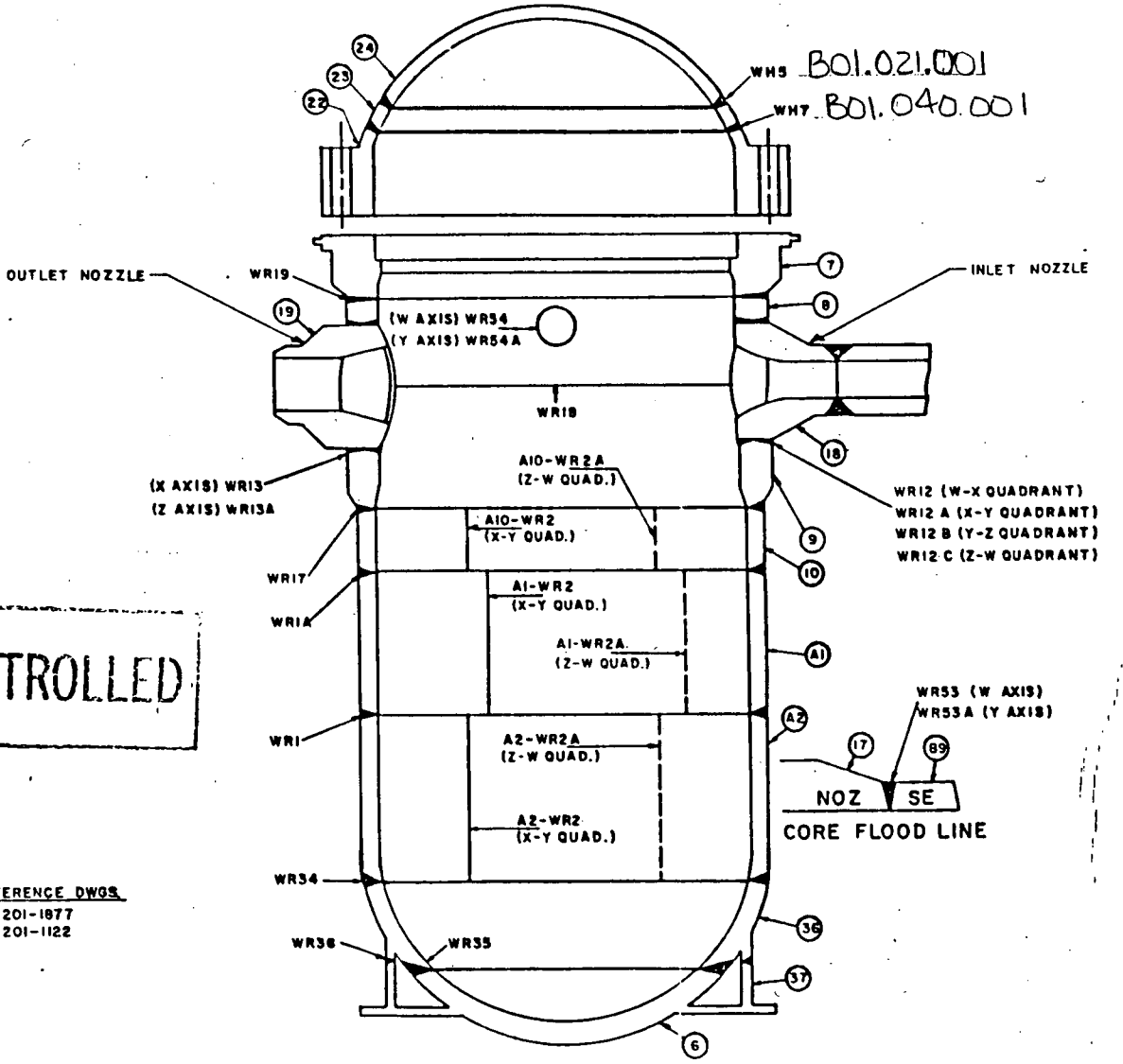
UNCONTROLLED

WELD LIST

IDENT NO.	PIECE NO.	DIAM.	THICK.
WR1	A1 TO A2	171" I.D.	9.500
WR1A	10 TO A1	171" I.D.	9.500
A1 — WR2	A1 TO A1	N/A	9.500
A1 — WR2A	A1 TO A1	N/A	9.500
A2 — WR2	A2 TO A2	N/A	9.500
A2 — WR2A	A2 TO A2	N/A	9.500
A10-WR2	A10 TO A10	N/A	9.500
A10-WR2A	A10 TO A10	N/A	9.500
WR12	18 TO 8 89	48" OD.	12.000
WR12A	18 TO 8 89	48" O.D.	12.000
WR12B	18 TO 8 89	48" O.D.	12.000
WR12C	18 TO 8 89	48" O.D.	12.000
WR13	19 TO 8 89	60" OD.	12.000
WR13A	19 TO 8 89	60" O.D.	12.000
WR17	9 TO 10	171" I.D.	9.500
WR18	8 TO 9	168" I.D.	12.000
WR19	7 TO 8	171" I.D.	12.000
WR34	A2 TO 36	170" I.D.	5.500
WR35	36 TO 6	143" I.D.	5.375
WR36	36 TO 37	175" I.D.	2.000
WR53	89 TO 17	15.625" O.D.	1.688
WR53A	89 TO 17	15.625" O.D.	1.688
WR54	17 TO 8	25.0"	12.000
WR54A	17 TO 8	25.0"	12.000
WH5	24 TO 23		6.625
WH7	23 TO 22	147" I.D.	6.625

BILL OF MATERIAL

PC. NO	QTY	DESCRIPTION	MATL.
A1	1	LOWER SHELL ASS'Y. UPPER COURSE	SA 533 GR. B
A2	1	LOWER SHELL ASS'Y. LOWER COURSE	SA 533 GR. B
6	1	LOWER HEAD ASS'Y. CAP SECTION	SA 533 GR. B
7	1	REACTOR VESSEL FLANGE	SA 508 CL. 2
8	1	NOZZLE BELT UPPER COURSE	SA 508 CL. 2
9	1	NOZZLE BELT LOWER COURSE	SA 508 CL. 2
10	1	UPPER SHELL ASS'Y. LOWER COURSE	SA 533 GR. B
17	2	CORE FLOOD NOZZLE	SA 508 CL. 2
18	4	INLET NOZZLE	SA 508 CL. 2
19	2	OUTLET NOZZLE	SA 508 CL. 2
22	1	UPPER HEAD FLANGE	SA 508 CL. 2
23	1	UPPER HEAD RING SECTION	SA 508 CL. 2
24	1	UPPER HEAD CAP SECTION	SA 533 GR. B
36	1	LOWER HEAD RING SECTION	SA 508 CL. 2
37	1	REACTOR VESSEL SUPPORT SKIRT	SA 516 GR. 70
89	2	CORE FLOOD NOZZLE SAFE END	SA 336-65A-F8M



REFERENCE DWGS.
OM 201-1877
OM 201-1122

NOTES:
1. ALL I.D. NUMBERS SHALL BE PRECEDED BY "IRPV-".
2. PIECE NUMBERS ARE SHOWN IN CIRCLES.

NO.	REVISION	DRAWN	RVWD	APPD
		DATE	DATE	DATE
1	Add. Ref. Dwgs.	A.S.	A.M.	J.D.
0	ORIGINAL	A.S.	T.H.	C.F.

TITLE
REACTOR VESSEL
WELD OUTLINE

DWG NO. ISI-OCNI-001 REV 1

VI. Justification for the Granting of Relief:

As stated above, Duke Power Company will continue to ultrasonically examine the welds and components (inside radius) to the extent practical within the limits of original design and construction. This will provide reasonable assurance of weld / component integrity. Thus, an acceptable level of quality and safety will have been achieved and public health and safety will not be endangered by allowing relief from the aforementioned Code requirements.

VII. Implementation Schedule:

Unit 3, Refueling Outage 15

* Unit 1, Refueling Outages 16 & 17

Unit 2, Refueling Outage 15

Evaluated By: R L Rowe Date 10/2/95

Reviewed By: J C Thompson Date 10/2/95

Because of geometric conditions, i.e., lifting lugs adjacent to the weld, 81.85% of the near surface volume and 79.85% of the weld and base metal volumes were covered. In order to achieve more coverage of the required volumes the lifting lugs would have to be moved away from the weld area.

Item Number B01.040.001 (3RPV-WH7), RPV Head-to-Flange Weld was examined to the maximum extent practical using ultrasonic techniques in accordance with the requirements of ASME Section V, Article 4, 1989 Edition. The additional requirements of Regulatory Guide 1.150, Revision 1, Appendix A were also used in the examination.

Because of geometric conditions, i.e., single sided access, 63.35% of the near surface volume and 48.55% of the weld and base metal volumes were covered. In order to achieve more coverage of the required volumes, the weld must be at a greater distance from the flange.

Item Numbers B03.130.001 (3-SGA-WG50-2, nozzle weld), B03.130.002 (3-SGA-WG50-1, nozzle weld), B03.140.001 (3-SGA-WG50-2, inside radius) and B03.140.002 (3-SGA-WG50-1, inside radius), Steam Generator A Primary Outlet Nozzle-to-Lower Head Weld were examined to the maximum extent practical using ultrasonic techniques in accordance with the requirements of ASME Section V, Article 4, 1989 Edition.

Because of geometric conditions, i.e., single sided access and support skirt location, 15.6% of the required examination volume was covered. In order to achieve more coverage the support skirt would have to be cut away from the nozzle.

✳ All three units for Oconee are being addressed in this request for relief as addressed in NRC correspondence dated May 5, 1995 concerning NRC Inspection Report No. 50-269/95-05, 50-270/95-05, 50-287/95-05.

V. Alternate Examinations or Testing:

Duke Power Company will continue to perform an ultrasonic examination of Item Numbers B01.021.001, 3RPV-WH5, RPV Head Weld and B01.040.001, 3RPV-WH7, RPV Head-to-Flange Weld to the maximum extent practical in accordance with the requirements of ASME Section V, Article 4, 1989 Edition and Regulatory Guide 1.150, Revision 1, Appendix A.

Duke Power Company will continue to perform an ultrasonic examination of Item Numbers B03.130.002, B03.130.001, B03.140.002 and B03.140.001, Steam Generator A Primary Outlet Nozzle-to-Lower Head Weld and Inside Radius to the maximum extent practical in accordance with the requirements of ASME Section V, Article 4, 1989 Edition.

Section XI Table IWB-2500-1, Examination Category B-A, Pressure Retaining Welds In Reactor Vessel, Figure IWB-2500-5, Note 2 requires essentially 100% of the weld length be examined.

Section XI Table IWB-2500-1, Examination Category B-D, Full Penetration Welds Of Nozzles In Vessels - Inspection Program B, Figures IWB-2500-7(a) through IWB-2500-7(d) requires essentially 100% of the nozzle weld and radius be examined.

III. Code Requirement from which Relief is Requested:

Relief is requested from the requirement of examining essentially 100% of the weld length. Due to part geometry and actual physical barriers, obtaining even 90% of the weld length as outlined in Code Case N-460 is not possible.

ASME Section V, Article 4, T-441.3.2 Scanning Requirements, 1989 Edition with no addenda as modified by Code Case N-460.

This Paragraph requires scanning of the examination volume(s) using three angle beams and a straight beam from both sides of the weld. When scanning for reflectors parallel to the weld, the angle beams shall be aimed at right angles to the weld axis, with the search unit(s) manipulated so that the ultrasonic beams pass through the entire volume of weld metal. The adjacent base metal in the examination volume must be completely scanned by two angle beams, but need not be completely scanned by both angle beams from both directions (any combination of two angle beams will satisfy the requirement).

When scanning for reflectors transverse to the weld, the angle beam search units shall be aimed parallel to the axis of longitudinal and circumferential welds. The search unit shall be manipulated so that the ultrasonic beams pass through all of the examination volume.

Scanning shall be done in two directions 180 degrees to each other to the extent possible. Areas blocked by geometric conditions shall be examined from at least one direction.

Code Case N-460 allows credit for full volume coverage if it can be shown that at least 90% of the required volume has been examined.

IV. Basis for Relief:

Item Number B01.021.001 (3RPV-WH5), RPV Head Weld was examined to the maximum extent practical using ultrasonic techniques in accordance with the requirements of ASME Section V, Article 4, 1989 Edition. The additional requirements of Regulatory Guide 1.150, Revision 1, Appendix A were also used in the examination.

Duke Power Company

Station Oconee Unit 1, 2 & 3

10-YEAR INTERVAL REQUEST FOR RELIEF NO. 95-04

I. System/Component(s) for Which Relief is Requested:

a. Reactor vessel head welds;

1-RPV-WH5, Item Number B01.021.001
2-RPV-WH5, Item Number B01.021.001
3-RPV-WH5; Item Number B01.021.001

b. Reactor vessel head-to-flange welds:

1-RPV-WH7, Item Number B01.040.001
2-RPV-WH7, Item Number B01.040.001
3-RPV-WH7, Item Number B01.040.001

c. Steam generator nozzle-to-vessel welds:

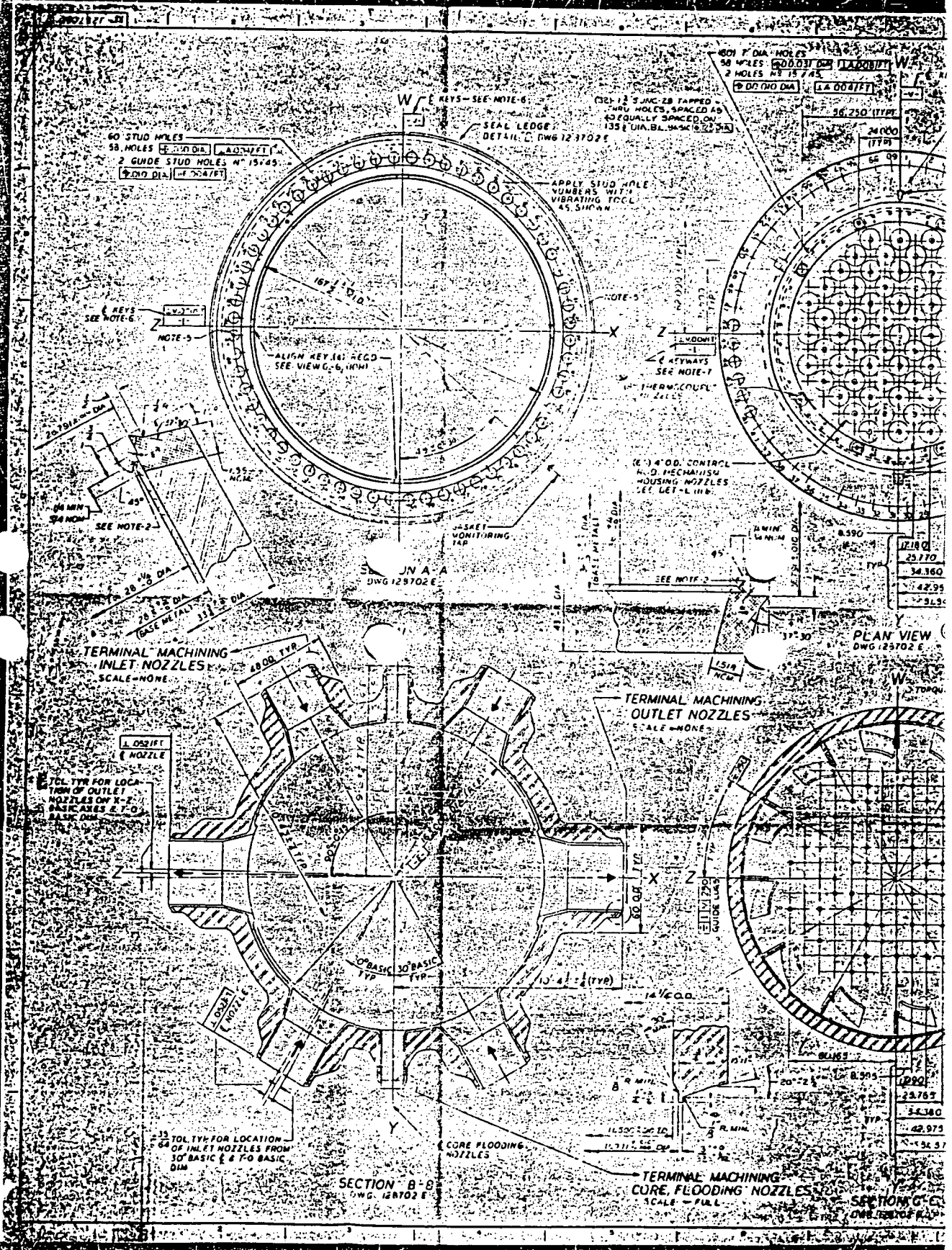
* 1-SGA-WG50-2, Item Number B03.130.001
* 1-SGA-WG50-1, Item Number B03.130.002
2-SGA-WG50-2, Item Number B03.130.003
2-SGA-WG50-1, Item Number B03.130.004
3-SGA-WG50-2, Item Number B03.130.001
3-SGA-WG50-1; Item Number B03.130.002

d. Steam generator nozzle inside radius welds:

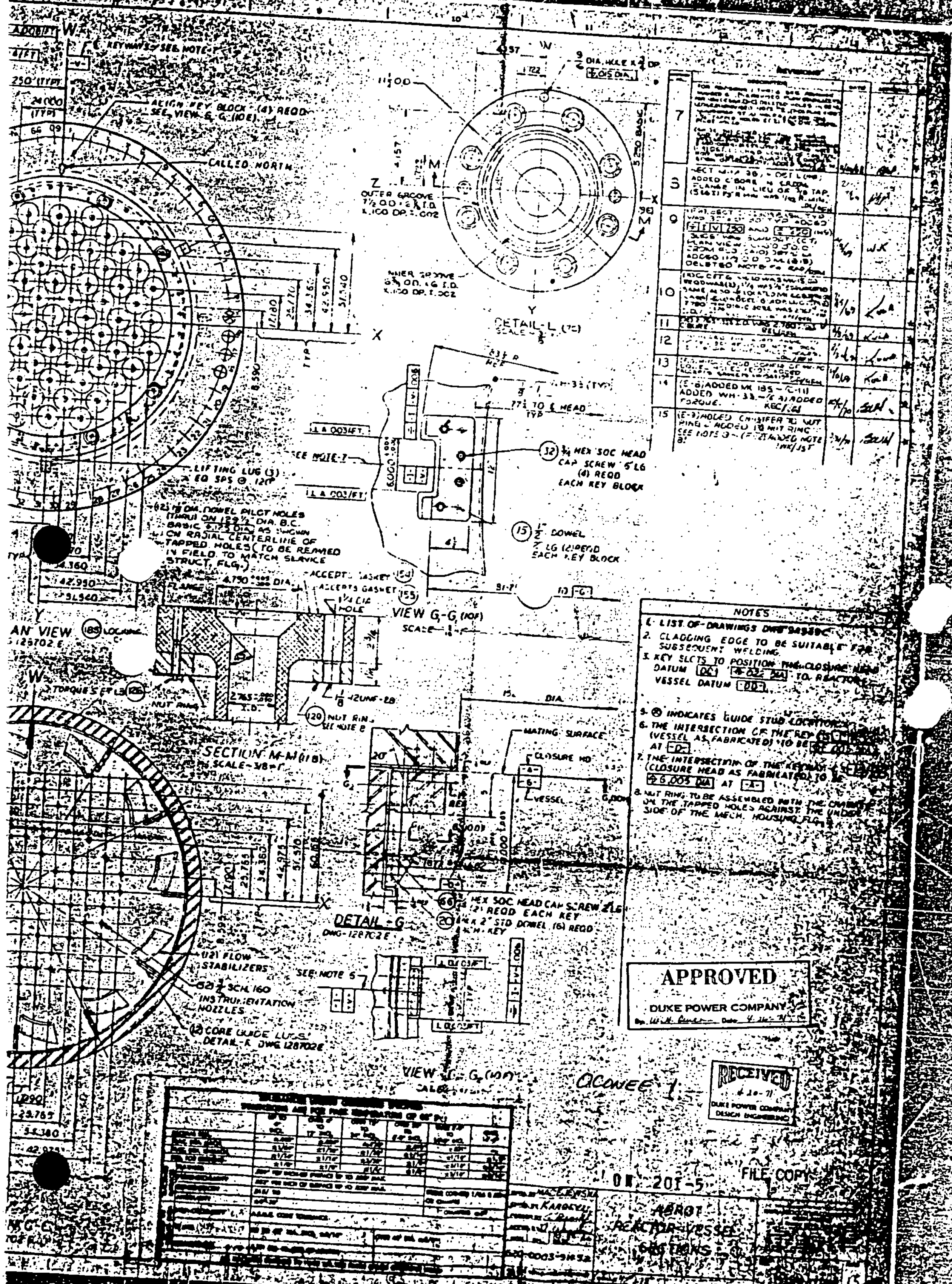
* 1-SGA-WG50-2, Item Number B03.140.001
* 1-SGA-WG50-1, Item Number B03.140.002
2-SGA-WG50-2, Item Number B03.140.003
2-SGA-WG50-1, Item Number B03.140.004
3-SGA-WG50-2, Item Number B03.140.001
3-SGA-WG50-1, Item Number B03.140.002

II. Code Requirement:

Section XI Table IWB-2500-1, Examination Category B-A, Pressure Retaining Welds In Reactor Vessel, Figure IWB-2500-3, Note 2 requires essentially 100% of the weld length be examined.


TERMINAL MACHINING
INLET NOZZLES
SCALE—NONE
TERMINAL MACHINING
OUTLET NOZZLES
SCALE—NONE
TERMINAL MACHINING
CORE FLOODING NOZZLES
SCALE—FULL
SECTION A-A
DWG 129702E
SECTION B-B
DWG. 129702E
PLAN VIEW
DWG 129702E
SEE NOTE-2
SEE NOTE-5
SEE NOTE-6
SEE NOTE-7
SEAL LEDGE
DETAIL C DWG 129702E
CORE FLOODING NOZZLES

ATTACHMENT
A
UNIT I
OCONEE
ONS-006



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

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

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

IV. Alternate Examination:

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

V. Implementation Schedule:

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

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

Evaluated By: C. J. Hogge Jr Date 8-18-94

Reviewed By: J. W. Barlow Date 8/23/94

Oconee 3

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

b. Function:

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

c. ASME Section XI Code Class:

Class 1

d. Construction Code and Class (If Applicable):

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

e. Valve Category (If Applicable):

N/A

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

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

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

III. Basis for Requesting Relief:

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

DUKE POWER COMPANY

Request for Relief From
Inservice Inspection Requirement

Station: **Oconee**

Unit: **1, 2 & 3**

Requesting Department: Nuclear Generation

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

I. Component for which exemption is requested:

a. Name and Identification Number:

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

Oconee 1

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

Oconee 2

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

9.0 Reference Documents

The following reference documents apply to the inservice inspection performed during Outage 16 at Oconee 1.

Duke Power Company Request for Relief ONS-006

Duke Power Company Request for Relief 95-04

Duke Power Company Request for Relief 96-01

PIP O95-1427

8.0 Corrective Action

PIP O-95-1427 was originated to document a reportable indication identified during visual examination of Item Number F01.031.006. Copy of PIP O-95-1427 is located in Section 9.0 of this report.

7.0 Personnel, Equipment and Material Certifications

All personnel who performed or evaluated the results of inservice inspections from July 13, 1994 to December 10, 1995 at Oconee Nuclear Station, Unit 1, were certified in accordance with the requirements of 1989 Edition of ASME Section XI with no addenda. The appropriate certification records for each Duke Power Company inspector are on file at Oconee Nuclear Station or copies can be obtained by contacting Duke Power's Corporate Office in Charlotte, North Carolina. The certification records for the Babcock & Wilcox inspectors are on file at the Babcock & Wilcox Offices in Lynchburg, Virginia.

Records of periodic calibration of Duke Power Company inspection equipment are on file at Oconee Nuclear Station or copies can be obtained by contacting Duke Power's Corporate Office in Charlotte, North Carolina. Records of periodic calibration of Babcock & Wilcox inspection equipment are on file at the Babcock & Wilcox Offices in Lynchburg, Virginia.

6.0 Reportable Indications

Outage 16 had one reportable indication on Item Number F01.031.006. PIP O-95-1427 was originated to document this condition. Copy of PIP O-95-1427 is located in Section 9.0 of this report.

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

Item Number	***Request for Relief Serial Number***
B03.110.002	96-01
B03.110.003	96-01
B03.110.004	96-01
B03.130.001	95-04
B03.130.002	95-04
B03.140.001	95-04
B03.140.002	95-04
C01.030.001	96-01

OCONEE UNIT NUMBER 1 - 3rd INTERVAL
CLASS B (CATEGORY C-H) RESULTS
THROUGH OUTAGE NUMBER 16

		1ST PERIOD			2ND PERIOD			3RD PERIOD		
ITEM NO.	DRAWING	EXAM. DATE	STATUS	RESULTS	EXAM. DATE	STATUS	RESULTS	EXAM. DATE	STATUS	RESULTS
C07.030.001	OFDL-101A-1.1	12/07/95	PARTIAL	CLEAR	/ /	NOT TESTED	N/A	/ /	NOT REQUIRED	N/A
C07.030.002	OFDL-101A-1.2	12/02/95	PARTIAL	CLEAR	/ /	NOT TESTED	N/A	/ /	NOT TESTED	N/A
C07.030.003	OFDL-101A-1.3	12/04/95	PARTIAL	CLEAR	/ /	NOT TESTED	N/A	/ /	NOT REQUIRED	N/A
C07.030.004	OFDL-101A-1.4	12/07/95	PARTIAL	RECORDABLE	/ /	NOT TESTED	N/A	/ /	NOT REQUIRED	N/A
C07.030.005	OFDL-101A-1.5	12/02/95	COMPLETE	CLEAR	/ /	NOT TESTED	N/A	/ /	NOT REQUIRED	N/A
C07.030.006	OFDL-102A-1.1	12/04/95	PARTIAL	CLEAR	/ /	NOT TESTED	N/A	/ /	NOT TESTED	N/A
C07.030.007	OFDL-102A-1.2	12/04/95	PARTIAL	CLEAR	/ /	NOT TESTED	N/A	/ /	NOT TESTED	N/A
C07.030.008	OFDL-102A-1.3	11/02/95	PARTIAL	RECORDABLE	/ /	NOT TESTED	N/A	/ /	NOT REQUIRED	N/A
C07.030.010	OFDL-104A-1.1	12/02/95	PARTIAL	CLEAR	/ /	NOT TESTED	N/A	/ /	NOT REQUIRED	N/A
C07.030.011	OFDL-104A-1.2	12/04/95	PARTIAL	CLEAR	/ /	NOT TESTED	N/A	/ /	NOT TESTED	N/A
C07.030.017	OFDL-110A-1.1	12/07/95	PARTIAL	CLEAR	/ /	NOT TESTED	N/A	/ /	NOT REQUIRED	N/A
C07.030.031	OFDL-124B-1.2	11/28/95	PARTIAL	CLEAR	/ /	NOT TESTED	N/A	/ /	NOT REQUIRED	N/A
C07.030.032	OFDL-124B-1.4	12/07/95	PARTIAL	CLEAR	/ /	NOT TESTED	N/A	/ /	NOT REQUIRED	N/A

B. Items examined by Pressure Testing

Item Number	=	ASME Section XI Tables IWB-2500-1 (Class 1), IWC-2500-1 (Class 2)
Drawing	=	Number of the Flow Diagram
Examination Date	=	Latest examination date
Condition	=	Partial or Complete test
Period Status 1, 2, 3		C = Complete for the period N = Not complete for the period
Status	=	Clear, Recordable or Reportable
Comments	=	General and/or Detail Description

Plant: Oconee 1

ITEM NUMBER	ID NUMBER	SYSTEM	INSP DATE	INSP STATUS	INSP LIMITED	GEO REF	COMMENTS
G04.001.007	1-51A-10-6	51A	11/08/95	CLR	---	N	
G04.001.010	1-51A-5-81C	51A	11/08/95	CLR	100.0%	N	No scan due to valve. 100% coverage obtained using multiple angles. (60 shear & 60 L waves).
G04.001.011	1-51A-5-79C	51A	11/08/95	CLR	100.0%	N	No scan due to configuration. 100% coverage obtained using multiple angles.
G04.001.012	1-51A-5-77C	51A	11/08/95	CLR	100.0%	N	100% coverage obtained using multiple angles.
G06.001.033	1-03A-11-1VEN	03A	11/27/95	CLR	---	N	
G06.001.033A	1-03A-11-1VEN	03A	11/24/95	CLR	---	N	
G09.001.001	1-51A-01-3A	51A	10/02/95	CLR	---	N	
G09.001.007	1-53B-01-90B	53B	09/28/95	CLR	---	N	
G09.001.013	1-53B-03-33F	53B	11/14/95	CLR	---	N	
G09.001.019	1-53B-06-114K	53B	09/28/95	CLR	---	N	
G09.001.025	1-53B-13-115J	53B	09/25/95	CLR	---	N	
G09.001.031	1-54A-01-05A	54A	10/02/95	CLR	---	N	
G09.001.037	1-54A-04-21C	54A	10/09/95	CLR	---	N	
G09.001.043	1-54A-04-75C	54A	10/02/95	CLR	---	N	
G12.001.001	1-51B-10-10HC	51B	10/05/95	CLR	---	N	
G12.001.019	1-51B-7-34F	51B	11/27/95	CLR	---	N	

Plant: Oconee 1

ITEM NUMBER	ID NUMBER	SYSTEM	INSP DATE	INSP STATUS	INSP LIMITED	GEO REF	COMMENTS
F01.050.070	1-51A-H80	51A	10/02/95	CLR	---	N	
F01.050.071	1-51A-H86	51A	10/02/95	CLR	---	N	
F01.050.072	1-53A-GPD-H0010	53A	11/22/95	CLR	---	N	
F01.050.073	1-03-H6068	03	11/16/95	CLR	---	N	
F01.050.074	1-03-H6020	03	11/16/95	CLR	---	N	
F01.050.075	1-03-H6070	03	11/22/95	REC	---	N	Pin-to-pin cps are acceptable. However, base plate does not have bearing at both south anchors. Civil Engineering review has found this support to be acceptable for service. PA Wells 11/30/95
F01.050.076	1-03-H6071	03	11/16/95	CLR	---	N	
F01.050.077	1-57-NW1Z	57	11/22/95	CLR	---	N	
F01.050.078	1-57-H23	57	11/21/95	CLR	---	N	
F01.050.079	1-01A-R11	01A	10/18/95	CLR	---	N	
F01.050.080	1-01A-R4	01A	10/18/95	CLR	---	N	
F01.050.081	1-01A-R5	01A	10/16/95	CLR	---	N	
F01.050.081	1-01A-R5	01A	11/30/95	CLR	---	N	
F01.050.082	1-01A-R6	01A	11/30/95	CLR	---	N	
F01.050.083	1-01A-R7	01A	11/21/95	CLR	---	N	
F01.050.084	1-03-R13	03	11/30/95	CLR	---	N	
F01.050.085	1-03A-H115	03A	10/05/95	CLR	---	N	
F01.050.086	1-03A-H123	03A	10/05/95	CLR	---	N	
F01.050.087	1-03A-SR62	03A	09/20/95	CLR	---	N	
F01.050.088	1-01A-H43	01A	10/16/95	CLR	---	N	
F01.050.089	1-01A-R11	01A	10/18/95	CLR	---	N	
F01.050.090	1-07A-H39	07A	11/30/95	CLR	---	N	
F01.050.091	1-07A-H40	07A	10/05/95	CLR	---	N	
F01.050.092	1-07A-H41	07A	10/18/95	CLR	---	N	
G04.001.001	1-51A-11-87	51A	11/08/95	CLR	100.0%	N	No scan due to nozzle. 100% coverage obtained using multiple angles (60 shear & 60 L)
G04.001.002	1-51A-11-88	51A	11/08/95	CLR	100.0%	N	No scan due to valve . 100% coverage obtained using multiple angles. (60 shear & 60 L wave).
G04.001.003	1-51A-11-89	51A	11/08/95	CLR	100.0%	N	No scan due to nozzle. 100% coverage obtained using multiple angles. (60 shear & 60 L wave).
G04.001.004	1-51A-11-90	51A	11/08/95	CLR	100.0%	N	No scan due to nozzle. 100% coverage obtained using multiple angles. (60 shear & 60 L wave).
G04.001.005	1-51A-10-1	51A	11/08/95	CLR	100.0%	N	No scan due to valve. 100% coverage obtained using multiple angles. (60 shear & 60 L wave).
G04.001.006	1-51A-10-2	51A	11/08/95	CLR	---	N	

Plant: Oconee 1

ITEM NUMBER	ID NUMBER	SYSTEM	INSP DATE	INSP STATUS	INSP LIMITED	GEO REF	COMMENTS
F01.050.042	1-01A-R9-4	01A	11/21/95	CLR	---	N	
F01.050.043	1-03-R12	03	11/30/95	CLR	---	N	
F01.050.044	1-03-R7	03	11/05/95	CLR	---	N	
F01.050.045	1-03A-SR56	03A	10/05/95	CLR	---	N	
F01.050.046	1-03A-SR57	03A	10/05/95	CLR	---	N	
F01.050.047	1-03A-SR58	03A	10/18/95	CLR	---	N	
F01.050.048	1-03A-SR59	03A	10/18/95	CLR	---	N	
F01.050.049	1-03A-SR50	03A	10/17/95	CLR	---	N	
F01.050.050	1-03A-SR63	03A	09/20/95	CLR	---	N	
F01.050.051	1-03A-SR64	03A	10/02/95	CLR	---	N	
F01.050.052	1-01A-H40	01A	10/17/95	CLR	---	N	
F01.050.053	1-01A-H44	01A	10/16/95	CLR	---	N	
F01.050.054	1-01A-R6	01A	10/16/95	REC	---	N	Item #2 of bill of materials, the top part of rear bracket is rubbing bottom portion of structrual I beam. Civil Engineering review has found this support to be acceptable for service. PA Wells 11/30/95 (See inspection record for additional justification).
F01.050.055	1-01A-R2	01A	10/16/95	CLR	---	N	
F01.050.056	1-03A-DE058	03A	11/30/95	CLR	---	N	
F01.050.057	1-03-H4171	03	10/03/95	CLR	---	N	
F01.050.058	1-53B-DE056	53B	09/20/95	REC	---	N	Insulation mud all over the cylinder of the mechanical snubber. Civil Engineering review has found this support to be acceptable for service. PA Wells 11/30/95
F01.050.059	1-53B-DE059	53B	09/26/95	CLR	---	N	
F01.050.060	1-53B-DE066	53B	09/20/95	REC	---	N	Insulation mud all over the cylinder of the mechancial snubber. Civil Engineering review has found this support to be acceptable for service. PA Wells 11/30/95
F01.050.061	1-54A-DE-020	54A	09/20/95	CLR	---	N	
F01.050.062	1-54A-DE015	54A	09/20/95	REC	---	N	Insulation mud all over cylinder of the mechanical snubber. Civil Engineering review has found this support to be acceptable for service. PA Wells 11/30/95
F01.050.063	1-51A-DE001A	51A	09/20/95	CLR	---	N	
F01.050.064	1-53B-DE060	53B	09/26/95	CLR	---	N	
F01.050.065	1-53B-DE055	53B	10/25/95	CLR	---	N	
F01.050.066	1-53B-DE057	53B	10/25/95	CLR	---	N	
F01.050.067	1-51A-H102	51A	10/02/95	CLR	---	N	
F01.050.068	1-51A-H97	51A	09/21/95	CLR	---	N	
F01.050.069	1-54A-R16	54A	10/02/95	CLR	---	N	

Plant: Oconee 1

ITEM NUMBER	ID NUMBER	SYSTEM	INSP DATE	INSP STATUS	INSP LIMITED	GEO REF	COMMENTS
F01.050.013	1-53A-H5A	53A	11/05/95	CLR	---	N	
F01.050.014	1-53A-H5B	53A	11/22/95	CLR	---	N	
F01.050.015	1-03-H7B	03	11/16/95	CLR	---	N	
F01.050.016	1-50-H11	50	11/22/95	CLR	---	N	
F01.050.017	1-03-H10A	03	11/30/95	CLR	---	N	
F01.050.018	1-53A-H40C	53A	11/21/95	CLR	---	N	
F01.050.019	1-53A-H41C	53A	11/30/95	CLR	---	N	
F01.050.020	1-57-H10	57	11/30/95	CLR	---	N	
F01.050.021	1-57-H11	57	11/30/95	CLR	---	N	
F01.050.022	1-57-H13-A	57	11/30/95	CLR	---	N	
F01.050.023	1-57-H14	57	11/21/95	CLR	---	N	
F01.050.024	1-57-H15	57	11/21/95	REC	---	N	Cold Piston setting is out of tolerance. The Cold setting is acceptable per Specification OS-0027.00-00-0002. TJC 11/29/95
F01.050.025	1-57-H17	57	11/30/95	CLR	---	N	
F01.050.026	1-57-H18	57	11/30/95	REC	---	N	Cold piston setting out of tolerance per sketch. DLO Setting is acceptable per hanger specification OS-0027.00-00-0002 Sect. 9.2. TJC
F01.050.027	1-57-H22	57	11/30/95	CLR	---	N	
F01.050.028	1-57-H26	57	11/30/95	CLR	---	N	
F01.050.029	1-57-H9	57	11/30/95	CLR	---	N	
F01.050.030	1-01A-H10B	01A	11/30/95	CLR	---	N	
F01.050.031	1-01A-H11A	01A	11/05/95	CLR	---	N	
F01.050.032	1-01A-H11B	01A	11/30/95	CLR	---	N	
F01.050.033	1-01A-H12A	01A	11/30/95	CLR	---	N	
F01.050.034	1-01A-DE005	01A	11/21/95	CLR	---	N	
F01.050.035	1-01A-DE006	01A	11/21/95	CLR	---	N	
F01.050.036	1-01A-R-2-1	01A	11/21/95	CLR	---	N	
F01.050.037	1-01A-R-2-2	01A	11/21/95	CLR	---	N	
F01.050.038	1-01A-R12	01A	11/30/95	REC	---	N	Fluid reservoir is only 40% full & fluid is present on body of suppresor. Jam nut on screw eye at beam attachment is loose. Civil Engineering review has found this support to be acceptable for service. WR was written to repair any leaks on this snubber prior to unit startup. PA Wells 12/1/95
F01.050.039	1-01A-R9-1	01A	11/21/95	CLR	---	N	
F01.050.040	1-01A-R9-2	01A	11/21/95	CLR	---	N	
F01.050.041	1-01A-R9-3	01A	11/21/95	CLR	---	N	

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							Therefore, the support is acceptable for service per Article IWF-3112 of Section XI of ASME Code. PA Wells 12/1/95
F01.030.022	1-08-H4050	08	09/06/95	CLR	---	N	
F01.030.035	1-56-DE009	56	10/25/95	CLR	---	N	
F01.030.036	1-56-H17	56	10/05/95	CLR	---	N	
F01.030.041	1-57-H1	57	11/22/95	CLR	---	N	
F01.030.042	1-04A-H16	04A	11/27/95	REC	---	N	Rod hangers removed, rod not loaded & not welded per sketch. Civil Engineering review has found this support to be acceptable for service. PA Wells 12/1/95 (See inspection record for additional justification).
F01.031.002	1-03-H6175	03	11/22/95	CLR	---	N	
F01.031.006	1-04A-R5	04A	10/12/95	REJ	---	N	2 1/4" gap below pipe is 1 1/2" - tolerance is -0 +1; not welded in accordance with sketch. Civil Engineering has found this support to be unacceptable for service in its as -found condition. PIP 1-95-1427 was originated to document operability. PA Wells 11/14/95
F01.031.008	1-08-H4055	08	09/06/95	CLR	---	N	
F01.031.016	1-04A-R6	04A	11/21/95	REC	---	N	This hanger has never been painted, needs rust & scale removed. Also, slag present on some welds. Civil Engineering review has found this support to be acceptable for service. PA Wells 12/1/95 (See inspection record for further justification).
F01.032.004	1-03-H63	03	10/02/95	REC	---	N	Pipe not bearing on middle lug on pipe saddle, west rod is bent & nuts don't have full thread on bolts on item #2. Civil Engineering review has found this support to be acceptable for service. PA Wells 11/29/95 (See inspection record for additional justification).
F01.032.006	1-04A-R12	04A	10/30/95	CLR	---	N	Inspected with D02.050.001
F01.040.006	1-DHRC-A-SUPPORT	53A	09/26/95	CLR	---	N	
F01.050.001	1-50-H12	50	11/22/95	CLR	---	N	
F01.050.002	1-50-H1A	50	11/30/95	CLR	---	N	
F01.050.003	1-50-H2A	50	11/30/95	CLR	---	N	
F01.050.004	1-50-H3	50	11/22/95	CLR	---	N	
F01.050.005	1-50-H3A	50	11/30/95	CLR	---	N	
F01.050.006	1-50-H7	50	11/30/95	CLR	---	N	
F01.050.007	1-50-H8	50	11/21/95	CLR	---	N	
F01.050.008	1-50-H9	50	11/05/95	CLR	---	N	
F01.050.009	1-50-H10	50	11/22/95	CLR	---	N	
F01.050.011	1-50-H1	50	11/21/95	CLR	---	N	
F01.050.012	1-51A-H17A	51A	11/21/95	CLR	---	N	

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							discrepancy is not service induced. Therefore, the support is acceptable for service per Article IWF-3112 of Section XI of ASME Code. P A Wells 12/1/95
F01.020.043	1-56-SR18	56	10/25/95	CLR	---	N	
F01.021.005	1-14-H19B	14	11/22/95	REC	---	N	No gaps visible around pipe - sketch indicates 1/16" clearance sides & top. Civil Engineering review has found this support to be acceptable for service. The indication noted was determined not to be a discrepancy. PA Wells 11/30/95 (See additional justification documented in inspection package)
F01.021.008	1-14-H6	14	11/22/95	REC	---	N	East stanchion - no gap above pipe west stachion - gap north of stanchion is 0.160" (0.125" max.) Civil engineering review has found this support to be acceptable for service. The discrepancies were determined to be not significant and no root cause investigation is required. PA Wells 11/29/95 (For futher justification see inspection package)
F01.021.013	1-51A-H91	51A	09/21/95	CLR	---	N	
F01.021.024	1-56-DE001	56	10/12/95	CLR	---	N	
F01.022.012	1-51A-H3	51A	11/02/95	CLR	---	N	
F01.022.016	1-53B-H1	53B	09/20/95	CLR	---	N	
F01.022.017	1-53B-H10	53B	09/26/95	CLR	---	N	
F01.022.024	1-54A-R5	54A	09/20/95	CLR	---	N	
F01.030.017	1-04A-H17	04A	11/27/95	REC	---	N	Rod hangers removed, not welded per sketch & jam nuts do not have full thread engagement. After evaluation it was determined that this discrepancy is not service induced. Therefore, the support is acceptable for service per Article IWF-3112 of Section XI of ASME Code. PA Wells 11/29/95 (See inspection package for additional justification)
F01.030.017	1-04A-H17	04A	10/02/95	REC	---	N	This inspection was performed after hanger 1-04A-2-0-439B-R5 (F01.031.066) was found to be unacceptable for continued service. Items #1 shown welded 3/16" fillet outside both sides typ. Actual welds are shown on attached sketch (see inspection record). After evaluation it was determined that this discrepancy is not service induced. Therefore, the support is acceptable for service per Article IWF-3112 of Section XI of ASME Code. PA Wells 12/1/95
F01.030.020	1-07A-GTE-1901	07A	09/06/95	CLR	---	N	
F01.030.021	1-07A-SR8	07A	09/06/95	REC	---	N	3/16" weld instead of 1/4" as indicated on sketch. After evaluation it was determined that this discrepancy is not service induced.

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D02.020.099	1-14B-SR60	14B	10/03/95	CLR	---	N	
D02.020.102	1-57-H1	57	11/22/95	CLR	---	N	
D02.030.003	1-03-H4171	03	10/03/95	CLR	0.00%	N	
D02.040.004	1-03-H50	03	11/28/95	CLR	---	N	
D02.040.008	1-03-H63	03	10/02/95	CLR	0.00%	N	
D02.040.015	1-14B-H20	14B	09/26/95	CLR	0.00%	N	
D02.050.001	1-04A-R12	04A	10/30/95	CLR	---	N	
D03.020.001	1-56-DE034	56	10/03/95	REC	---	N	Item #1 not welded to pipe. After evaluation it was determined that this is not a discrepancy . No weld is called out on the sketch between the saddle & the pipe. No action is required. PA Wells 11/30/95
D03.020.003	1-56-H17	56	10/05/95	CLR	---	N	
D03.020.008	1-56-H5133	56	10/05/95	CLR	---	N	
D03.020.012	1-56-JTC-2903	56	11/16/95	REC	---	N	Attachment sketch shows pipe welded along pipe axis to item #3. East side is inaccessible. No weld exists west side in this location. After evaluation it was determined that this discrepancy is not service induced. Therefore, the support is acceptable for service per Article IWF-3112 of Section XI of ASME Code. PA Wells 12/1/95
F01.010.005	1-51A-H6228	51A	12/01/95	CLR	---	N	
F01.012.003	1-50-H2A	50	11/30/95	REC	---	N	Cylinder rods (lower) bearing against clamp - no freedom of movement. Civil Engineering review has found this support to be acceptable for service. PA Wells 11/30/95 (For additional justification see inspection package).
F01.012.006	1-53A-H39C	53A	11/30/95	CLR	---	N	
F01.012.008	1-53A-H6200	53A	11/30/95	CLR	---	N	
F01.012.009	1-57-H13-A	57	11/30/95	CLR	---	N	
F01.020.008	1-14-H54	14	11/30/95	CLR	---	N	
F01.020.009	1-14-H63	14	11/30/95	CLR	---	N	
F01.020.016	1-51A-H100	51A	09/21/95	REC	---	N	No weld exist on inside of box at top. After evaluation it was discovered that this discrepancy is not service induced. Therefore, the support is acceptable for srvice per Article IWF-3112 of Section XI of ASME Code. PA Wells 12/1/95
F01.020.022	1-51B-DE051	51B	11/02/95	CLR	---	N	
F01.020.027	1-53B-H1	53B	10/05/95	CLR	---	N	
F01.020.037	1-54A-DE10	54A	09/20/95	CLR	---	N	
F01.020.038	1-54A-H23	54A	10/12/95	REC	---	N	Items #2 shown welded east & west side typ. Actually welded north & south sides typical. After evaluation it was determined that this

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ITEM NUMBER	ID NUMBER	SYSTEM	INSP DATE	INSP STATUS	INSP LIMITED	GEO REF	COMMENTS
C05.051.036	1-LPSW-344-21	14B	10/25/95	CLR	---	N	
C05.051.036A	1-LPSW-344-21	14B	10/25/95	CLR	---	N	
C05.051.040	1-LPSW-345-17	14B	11/09/95	CLR	100.0%	N	No scan due to flange configuration. 100% coverage obtained using additional angle (7 degree).
C05.051.040A	1-LPSW-345-17	14B	11/09/95	CLR	---	N	
C05.051.049	1-LPSW-346-21	14B	10/25/95	CLR	---	N	
C05.051.049A	1-LPSW-346-21	14B	10/25/95	CLR	---	N	
C05.052.002	1-20B-21-16-2L	20B	11/13/95	CLR	---	N	
C05.052.002A	1-20B-21-16-2L	20B	11/14/95	CLR	---	N	
C05.081.004	1-03-09-40D	03	11/19/95	CLR	---	N	
C05.081.006	1-FWD67-A	03A	11/19/95	CLR	---	N	
C06.020.001	1-FDW-345	03A	11/19/95	CLR	---	N	
D02.020.006	1-03-NPS-H16	03	11/16/95	CLR	---	N	
D02.020.009	1-03A-DE063	03A	10/09/95	CLR	---	N	
D02.020.031	1-03A-H72	03A	10/02/95	CLR	---	N	
D02.020.066	1-04A-R5	04A	10/12/95	REC	---	N	Sect. EE shows Items #16 welded all around. Actually welded top, bottom, outside edges. After evaluation it was determined that this discrepancy is not service induced. Therefore the support is acceptable for service per Article IWF-3112 of ASME Section XI. PA Wells 12/1/95
D02.020.068	1-07A-H12	07A	09/06/95	CLR	---	N	
D02.020.072	1-08-H4051	08	09/06/95	CLR	---	N	
D02.020.075	1-14B-ASR17	14B	10/11/95	REC	---	N	1/4" weld is approximately 3/16" only. After evaluation it was determined that this discrepancy is not service induced. Therefore, the support is acceptable for service per Article IWF-3112 of Section XI of the ASME Code.
D02.020.078	1-14B-CLF-901	14B	09/20/95	REC	---	N	Missing weld and rust/pits. Civil Engineering review has found this support to be acceptable for service. PA Wells 12/5/95
D02.020.084	1-14B-H2	14B	10/30/95	CLR	---	N	
D02.020.089	1-14B-RMC-0503	14B	10/12/95	REC	---	N	Not welded in accordance with the hanger sketch. After evaluation it was determined that this discrepancy is not service induced. Therefore, the support is acceptable for service per Article IWF-3112 of Section XI of ASME Code. PA Wells 12/1/95
D02.020.095	1-14B-SR43	14B	10/12/95	REC	---	N	Hanger not welded in accordance with sketch. After evaluation it was determined that this discrepancy is not service induced. Therefore, the support is acceptable for service per Article IWF-3112 of Section XI of ASME Code. PA Wells 12/1/95

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ITEM NUMBER	ID NUMBER	SYSTEM	INSP DATE	INSP STATUS	INSP LIMITED	GEO REF	COMMENTS
C05.021.061A	1-51A-03-99B	51A	10/23/95	CLR	---	N	
C05.021.068	1-51A-136-24	51A	11/17/95	REC	---	Y	
C05.021.068A	1-51A-136-24	51A	11/17/95	CLR	---	N	
C05.021.074	1-51A-01-71A	51A	11/07/95	CLR	100.0%	N	Limitation was due to valve to elbow configuration. 100% coverage was obtained by use of multiple angles.
C05.021.074A	1-51A-01-71A	51A	11/03/95	CLR	---	N	
C05.021.076	1-51A-01-13A	51A	11/02/95	CLR	---	N	
C05.021.076A	1-51A-01-13A	51A	11/02/95	CLR	---	N	
C05.021.082	1-51A-01-106A	51A	11/02/95	REC	---	Y	
C05.021.082A	1-51A-01-106A	51A	11/02/95	CLR	---	N	
C05.021.088	1-51A-02-21B	51A	11/08/95	REC	---	Y	
C05.021.088A	1-51A-02-21B	51A	11/14/95	CLR	---	N	
C05.021.094	1-51A-02-7B	51A	11/08/95	CLR	---	N	
C05.021.094A	1-51A-02-7B	51A	11/14/95	CLR	---	N	
C05.021.103	1-RCP-FTR1A-SH-1		10/25/95	CLR	---	N	
C05.021.103A	1-RCP-FTR1A-SH-1		10/24/95	CLR	---	N	
C05.021.104	1-RCP-FTR1A-SH-2		10/25/95	CLR	---	N	
C05.021.104A	1-RCP-FTR1A-SH-2		10/24/95	CLR	---	N	
C05.041.002	1-53B-01-87BA	53B	09/28/95	CLR	---	N	
C05.041.011	1-53B-06-21KA	53B	10/09/95	CLR	---	N	
C05.041.012	1-53B-06-21KB	53B	10/09/95	CLR	---	N	
C05.041.024	1-53B-02-121ZA	53B	09/28/95	CLR	---	N	
C05.041.025	1-53B-02-121Z	53B	09/28/95	CLR	---	N	
C05.051.006	1-MS17B-A	01A	11/28/95	REC	---	Y	
C05.051.006A	1-MS17B-A	01A	11/24/95	CLR	---	N	
C05.051.009	1-01A-01-29C	01A	11/28/95	REC	---	Y	
C05.051.009A	1-01A-01-29C	01A	11/24/95	CLR	---	N	
C05.051.012	1-01A-02-11BA	01A	11/19/95	REC	---	Y	
C05.051.012A	1-01A-02-11BA	01A	11/17/95	CLR	---	N	
C05.051.017	1-01A-1-99	01A	11/28/95	REC	---	Y	
C05.051.017A	1-01A-1-99	01A	11/24/95	CLR	---	N	
C05.051.030	1-FWD88-C	03A	11/27/95	CLR	---	N	
C05.051.030A	1-FWD88-C	03A	11/24/95	CLR	---	N	
C05.051.033	1-20B-21-16-2	20B	11/13/95	CLR	100.0%	N	100% coverage obtained using 70 degree angle as a supplemental angle for coverage
C05.051.033A	1-20B-21-16-2	20B	11/14/95	CLR	---	N	

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ITEM NUMBER	ID NUMBER	SYSTEM	INSP DATE	INSP STATUS	INSP LIMITED	GEO REF	COMMENTS
C03.020.033	1-51-SR47	51	10/30/95	CLR	---	N	
C03.020.034	1-51-SR48	51	10/02/95	CLR	---	N	
C03.020.035	1-51-SR49	51	09/26/95	CLR	---	N	
C03.020.037	1-51-SR51	51	09/26/95	CLR	---	N	
C03.020.038	1-51A-H115	51A	09/20/95	CLR	---	N	
C03.020.039	1-51A-H91	51A	09/19/95	CLR	---	N	
C03.020.043	1-53B-H1	53B	09/19/95	CLR	---	N	
C03.020.067	1-JWC-1707	56	11/22/95	CLR	---	N	
C03.020.068	1-JWC-1708	56	11/22/95	CLR	---	N	
C05.011.003	1-53A-01-30L	53A	11/21/95	CLR	100.0%	N	One sided examination due to valve. 100% coverage due to 60 degree L for far side.
C05.011.003A	1-53A-01-30L	53A	11/24/95	CLR	---	N	
C05.021.001	1-51A-01-79A	51A	11/07/95	CLR	100.0%	N	Limitation was due to valve to elbow configuration. 100% coverage was obtained by use of multple angles.
C05.021.001A	1-51A-01-79A	51A	11/03/95	CLR	---	N	
C05.021.002	1-51A-02-15B	51A	10/24/95	CLR	---	N	
C05.021.002A	1-51A-02-15B	51A	10/09/95	CLR	---	N	
C05.021.007	1-51A-122-19	51A	10/24/95	CLR	---	N	
C05.021.007	1-51A-122-19	51A	10/24/95	REC	---	Y	
C05.021.007A	1-51A-122-19	51A	10/30/95	CLR	---	N	
C05.021.012	1-51A-123-12	51A	10/23/95	CLR	---	N	
C05.021.012	1-51A-123-12	51A	10/23/95	CLR	---	N	
C05.021.012A	1-51A-123-12	51A	10/23/95	CLR	---	N	
C05.021.018	1-51A-124-10	51A	11/07/95	CLR	---	N	
C05.021.018A	1-51A-124-10	51A	11/20/95	CLR	---	N	
C05.021.024	1-51A-125-13	51A	10/23/95	CLR	---	N	
C05.021.024	1-51A-125-13	51A	10/23/95	CLR	---	N	
C05.021.024A	1-51A-125-13	51A	10/23/95	CLR	---	N	
C05.021.030	1-51A-127-4	51A	10/26/95	CLR	---	N	
C05.021.030A	1-51A-127-4	51A	10/26/95	CLR	---	N	
C05.021.045	1-51A-01-89A	51A	10/26/95	CLR	---	N	
C05.021.045A	1-51A-01-89A	51A	10/26/95	CLR	---	N	
C05.021.051	1-51A-02-16BA	51A	10/24/95	CLR	---	N	
C05.021.051A	1-51A-02-16BA	51A	10/09/95	CLR	---	N	
C05.021.061	1-51A-03-99B	51A	10/23/95	CLR	---	N	
C05.021.061	1-51A-03-99B	51A	10/23/95	CLR	---	N	

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ITEM NUMBER	ID NUMBER	SYSTEM	INSP DATE	INSP STATUS	INSP LIMITED	GEO REF	COMMENTS
B09.012.001	1-PIA1-62LI	50	11/18/95	CLR	---	N	
B09.012.001A	1-PIA1-62LI	50	11/18/95	CLR	---	N	
B09.012.002	1-PIA1-62LO	50	11/18/95	CLR	---	N	
B09.012.002A	1-PIA1-62LO	50	11/18/95	CLR	---	N	
B09.012.003	1-PIA1-45LI	50	11/18/95	CLR	---	N	
B09.012.003A	1-PIA1-45LI	50	11/21/95	CLR	---	N	
B09.012.004	1-PIA1-45LO	50	11/18/95	CLR	---	N	
B09.012.004A	1-PIA1-45LO	50	11/24/95	CLR	---	N	
B09.012.007	1-PDA1-53LO	50	11/13/95	CLR	---	N	
B09.012.007A	1-PDA1-53LO	50	11/13/95	CLR	---	N	
B09.012.008	1-PDA1-53LI	50	11/13/95	CLR	---	N	
B09.012.008A	1-PDA1-53LI	50	11/13/95	CLR	---	N	
B09.012.051	1-PIA1-62LI	50	11/18/95	CLR	---	N	
B09.012.051A	1-PIA1-62LI	50	11/18/95	CLR	---	N	
B09.012.052	1-PIA1-62LO	50	11/18/95	CLR	---	N	
B09.012.052A	1-PIA1-62LO	50	11/18/95	CLR	---	N	
B09.021.032	1-51A-04-25C	51A	11/08/95	CLR	---	N	
B09.021.033	1-51A-04-23C	51A	11/08/95	CLR	---	N	
B09.021.034	1-51A-04-14C	51A	11/08/95	CLR	---	N	
B09.021.037	1-51A-04-11C	51A	11/08/95	CLR	---	N	
B09.021.038	1-51A-04-9C	51A	11/08/95	CLR	---	N	
B09.031.003	1-PIB1-10	50	11/21/95	CLR	100.0%	N	100 % coverage obtained by using a combination of 45 & 60 degree transducers
B14.010.001	1-RPV-CRD-47WH9	50	11/24/95	CLR	---	N	
B14.010.004	1-RPV-CRD-47W60	50	11/12/95	CLR	---	N	
B14.010.007	1-RPV-CRD-47	50	11/12/95	CLR	---	N	
B14.010.010	1-RPV-CRD-47W61	50	11/12/95	CLR	---	N	
C01.030.001	1-SGA-WG60		11/20/95	CLR	0.00%	N	Percent of coverage varies due to location of support/restraint. See inspection report for more detail.
C02.021.002	1-SGB-WG23-2	03	11/21/95	REC	---	N	
C02.021.002A	1-SGB-WG23-2	03	11/19/95	CLR	---	N	
C02.022.002	1-SGB-WG23-2	03	11/21/95	CLR	---	N	
C03.020.001	1-01A-H10A	01A	11/17/95	CLR	---	N	
C03.020.009	1-01A-H5B	01A	11/20/95	CLR	---	N	
C03.020.030	1-51-SR20	51	09/20/95	CLR	---	N	
C03.020.031	1-51-SR38	51	10/02/95	CLR	---	N	

Plant: Oconee 1

ITEM NUMBER	ID NUMBER	SYSTEM	INSP DATE	INSP STATUS	INSP LIMITED	GEO REF	COMMENTS
B06.030.015A	1-RPV-25-203-15		11/16/95	CLR	---	N	
B06.030.016	1-RPV-25-203-62		11/16/95	CLR	---	N	
B06.030.016A	1-RPV-25-203-62		11/16/95	CLR	---	N	
B06.030.017	1-RPV-25-203-17		11/16/95	CLR	---	N	
B06.030.017A	1-RPV-25-203-17		11/16/95	CLR	---	N	
B06.030.018	1-RPV-25-203-18		11/16/95	CLR	---	N	
B06.030.018A	1-RPV-25-203-18		11/16/95	CLR	---	N	
B06.030.019	1-RPV-25-203-19		11/16/95	CLR	---	N	
B06.030.019A	1-RPV-25-203-19		11/16/95	CLR	---	N	
B06.030.020	1-RPV-25-203-20		11/16/95	CLR	---	N	
B06.030.020A	1-RPV-25-203-20		11/16/95	CLR	---	N	
B06.050.001	1-RPV-WASH-BUSH		11/17/95	CLR	---	N	
B06.080.001	1-PZR-MW-NUTS		12/05/95	CLR	---	N	
B07.030.002	1-SGA-LMW-BOLTS		11/11/95	CLR	---	N	
B07.030.006	1-SGA-LHIC-BOLTS		11/28/95	CLR	---	N	Inspection was done with bolting in place.
B07.050.003	1-PZR-RC67-BOLT		11/22/95	CLR	---	N	
B07.050.004	1-PZR-RC68-BOLT		11/22/95	CLR	---	N	
B07.060.003	1-RCP-1B1-SEAL		11/22/95	CLR	---	N	Bolting inspected in place.
B07.080.001	1-RPV-CRD-BOLTS		11/28/95	CLR	---	N	Inspected CRD #s 2, 3, 4, 5, 6, 8, 15, 18, 47, 48, 49, 52, 54, 56, 58, 62, 64, 65 & 67. No apparent service induced damage.
B07.080.002	1-RPV-CRD-RINGS		11/28/95	CLR	---	N	Inspected CRD #s 2, 3, 4, 5, 6, 8, 15, 18, 47, 48, 49, 52, 54, 56, 58, 62, 64, 65, & 67. No apparent service induced damage.
B09.011.001	1-PIA1-9	50	11/19/95	CLR	---	N	
B09.011.001A	1-PIA1-9	50	11/18/95	CLR	---	N	
B09.011.004	1-PIA1-5	50	11/18/95	CLR	---	N	
B09.011.004A	1-PIA1-5	50	11/18/95	CLR	---	N	
B09.011.005	1-PIA1-4	50	11/18/95	CLR	100.0%	N	Limited scan due to nozzle weld in area of interest. 100% coverage obtained by scanning across weld cap in 2 directions.
B09.011.005A	1-PIA1-4	50	11/18/95	CLR	---	N	
B09.011.007	1-PIA1-2	50	11/18/95	CLR	---	N	
B09.011.007A	1-PIA1-2	50	11/18/95	CLR	---	N	
B09.011.008	1-PIA1-1	50	11/18/95	CLR	---	N	
B09.011.008A	1-PIA1-1	50	11/18/95	CLR	---	N	
B09.011.011	1-PDA1-4	50	11/13/95	CLR	---	N	
B09.011.011A	1-PDA1-4	50	11/13/95	CLR	---	N	
B09.011.036	1-PIB1-5	50	11/21/95	REC	---	N	

Plant: Oconee 1

ITEM NUMBER	ID NUMBER	SYSTEM	INSP DATE	INSP STATUS	INSP LIMITED	GEO REF	COMMENTS
B06.010.014	1-RPV-26-203-14		11/16/95	CLR	---	N	
B06.010.015	1-RPV-26-203-15		11/16/95	CLR	---	N	
B06.010.016	1-RPV-26-203-16		11/16/95	CLR	---	N	
B06.010.017	1-RPV-26-203-17		11/16/95	CLR	---	N	
B06.010.018	1-RPV-26-203-18		11/16/95	CLR	---	N	
B06.010.019	1-RPV-26-203-19		11/16/95	CLR	---	N	
B06.010.020	1-RPV-26-203-20		11/16/95	CLR	---	N	
B06.030.001	1-RPV-25-203-01		11/16/95	CLR	---	N	
B06.030.001A	1-RPV-25-203-01		11/16/95	CLR	---	N	
B06.030.002	1-RPV-25-203-02		11/16/95	CLR	---	N	
B06.030.002A	1-RPV-25-203-02		11/16/95	CLR	---	N	
B06.030.003	1-RPV-25-203-03		11/16/95	CLR	---	N	
B06.030.003A	1-RPV-25-203-03		11/16/95	CLR	---	N	
B06.030.004	1-RPV-25-203-04		11/16/95	CLR	---	N	
B06.030.004A	1-RPV-25-203-04		11/16/95	CLR	---	N	
B06.030.005	1-RPV-25-203-05		11/16/95	CLR	---	N	
B06.030.005A	1-RPV-25-203-05		11/16/95	CLR	---	N	
B06.030.006	1-RPV-25-203-06		11/16/95	CLR	---	N	
B06.030.006A	1-RPV-25-203-06		11/16/95	CLR	---	N	
B06.030.007	1-RPV-25-203-07		11/16/95	CLR	---	N	
B06.030.007A	1-RPV-25-203-07		11/16/95	CLR	---	N	
B06.030.008	1-RPV-25-203-64		11/16/95	CLR	---	N	
B06.030.008A	1-RPV-25-203-64		11/16/95	CLR	---	N	
B06.030.009	1-RPV-25-203-09		11/16/95	CLR	---	N	
B06.030.009A	1-RPV-25-203-09		11/16/95	CLR	---	N	
B06.030.010	1-RPV-25-203-10		11/16/95	CLR	---	N	
B06.030.010A	1-RPV-25-203-10		11/16/95	CLR	---	N	
B06.030.011	1-RPV-25-203-11		11/16/95	CLR	---	N	
B06.030.011A	1-RPV-25-203-11		11/16/95	CLR	---	N	
B06.030.012	1-RPV-25-203-12		11/16/95	CLR	---	N	
B06.030.012A	1-RPV-25-203-12		11/16/95	CLR	---	N	
B06.030.013	1-RPV-25-203-13		11/16/95	CLR	---	N	
B06.030.013A	1-RPV-25-203-13		11/16/95	CLR	---	N	
B06.030.014	1-RPV-25-203-14		11/16/95	CLR	---	N	
B06.030.014A	1-RPV-25-203-14		11/16/95	CLR	---	N	
B06.030.015	1-RPV-25-203-15		11/16/95	CLR	---	N	

DUKE POWER COMPANY
QUALITY ASSURANCE TECHNICAL SERVICES
In-Service Inspection Database Management System
Oconee Inservice Inspection Listing
Interval 3 Outage 1

Run D
Page 1
02/07/96

Plant: Oconee 1

ITEM NUMBER	ID NUMBER	SYSTEM	INSP DATE	INSP STATUS	INSP LIMITED	GEO REF	COMMENTS
B01.030.002	1-RPV-WR19	50	11/08/95	CLR	---	N	
B02.011.001	1-PZR-WP76	50	11/16/95	REC	90.70%	N	
B02.011.003	1-PZR-WP4	50	11/21/95	REC	---	N	
B02.012.001	1-PZR-WP1-1	50	11/16/95	CLR	---	N	
B03.110.002	1-PZR-WP34	50	11/16/95	REC	89.64%	Y	
B03.110.003	1-PZR-WP33-3	50	11/16/95	REC	89.22%	Y	
B03.110.004	1-PZR-WP33-2	50	11/16/95	REC	89.22%	Y	
B03.120.002	1-PZR-WP34	50	11/16/95	CLR	---	N	
B03.120.003	1-PZR-WP33-3	50	11/16/95	CLR	---	N	
B03.120.004	1-PZR-WP33-2	50	11/16/95	CLR	---	N	
B03.130.001	1-SGA-WG50-2	50	11/13/95	REC	75.00%	Y	
B03.130.002	1-SGA-WG50-1	50	11/13/95	REC	75.00%	Y	
B03.140.001	1-SGA-WG50-2	50	11/13/95	CLR	44.00%	N	
B03.140.002	1-SGA-WG50-1	50	11/13/95	CLR	44.00%	N	
B05.050.002	1-PZR-WP91-2	50	11/18/95	CLR	---	N	
B05.050.003	1-PZR-WP91-3	50	11/18/95	CLR	---	N	
B05.130.001	1-PIA1-7	50	11/19/95	CLR	---	N	
B05.130.001A	1-PIA1-7	50	11/19/95	CLR	---	N	
B05.130.001B	1-PIA1-7	50	11/18/95	CLR	---	N	
B05.140.001	1-PIA1-11	50	11/19/95	CLR	---	N	
B05.140.003	1-PDA1-11	50	11/19/95	CLR	---	N	
B05.140.009	1-50-01-34	50	11/17/95	CLR	---	N	
B05.140.010	1-50-01-2	50	11/19/95	CLR	---	N	
B06.010.001	1-RPV-26-203-01		11/16/95	CLR	---	N	
B06.010.002	1-RPV-26-203-02		11/16/95	CLR	---	N	
B06.010.003	1-RPV-26-203-03		11/16/95	CLR	---	N	
B06.010.004	1-RPV-26-203-04		11/16/95	CLR	---	N	
B06.010.005	1-RPV-26-203-05		11/16/95	CLR	---	N	
B06.010.006	1-RPV-26-203-06		11/16/95	CLR	---	N	
B06.010.007	1-RPV-26-203-07		11/16/95	CLR	---	N	
B06.010.008	1-RPV-26-203-08		11/16/95	CLR	---	N	
B06.010.009	1-RPV-26-203-09		11/16/95	CLR	---	N	
B06.010.010	1-RPV-26-203-10		11/16/95	CLR	---	N	
B06.010.011	1-RPV-26-203-11		11/16/95	CLR	---	N	
B06.010.012	1-RPV-26-203-12		11/16/95	CLR	---	N	
B06.010.013	1-RPV-26-203-13		11/16/95	CLR	---	N	

5.0 ***Results Of Inspections Performed During Outage 16***

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

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

A. Items examined by NDE methods

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

OCONEE UNIT NUMBER 1 - 3rd INTERVAL
CLASS A (CATEGORY B-P) LEAKAGE TEST RESULTS
ITEM NUMBER: B15.050.001

OUTAGE NUMBER	EXAMINATION DATE	STATUS:	RESULTS
EOC # 16	12/07/95	CLEAR	COMPLETE
EOC # 17	/ /	N/A	NOT TESTED
EOC # 18	/ /	N/A	NOT TESTED
EOC # 19	/ /	N/A	NOT TESTED
EOC # 20	/ /	N/A	NOT REQUIRED
EOC # 21	/ /	N/A	NOT TESTED

B. Items examined by Pressure Testing

Item Number	=	ASME Section XI Tables IWB-2500-1 (Class 1), IWC-2500-1 (Class 2)
Drawing Number	=	Number of the Flow Diagram
Revision	=	Revision of the Flow Diagram
Test	=	Type of Pressure Test
Comp	=	Vessel, Piping or Pump
Comp Name	=	Example: Reactor Vessel, etc.; for piping - System designation will be used
Req. Insp.	=	Type inspection performed, i.e., VT2
Req. Proc	=	Required inspection procedure
Comments	=	General and/or Detail Description

ITEM NUMBER	ID NUMBER	ISO/DWG NUMBERS	PROC	INSP REQ	MAT/SCH	DIA/THK	CAL BLOCKS	COMMENTS
G12.001.001	1-51B-10-10HC	1-51B-10	NDE-35	PT	SS	4.000		
	Circumferential	OFD-101A-1.1				0.120		
Class B	Term end							Elbow to Nozzle 1B RC Seal Cooler Inlet
G12.001.019	1-51B-7-34F	1-51B-7	NDE-35	PT	SS	2.500		
	Circumferential	OFD-109A-1.1				0.120		
Class B								Pipe to Valve 2HP13

Total G12.001 Items: 2

Total Category Items: 2

CATEGORY AUG, Augmented Inspections

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

Oconee 1

Inservice Inspection Plan for Interval 3 Outage 1

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

Total Category AUG Items: 8

Form 401463 (2-95)

FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS
As Required By The Provisions Of The ASME Code Section XI

1. Owner **Duke Power Company**
   Address **526 S. Church Street, Charlotte, NC 28201-1006**

1a. Date 5-30-95

Sheet 1 of 1

2. Plant **Oconee Nuclear Station**
   Address **P.O. Box 1439, Seneca, S.C. 29679**

2a. Unit ☒ 1 ☐ 2 ☐ 3 ☐ Shared (specify Units_____)

3a. Work Order # 95030867-01
Repair Organization Job #

3. Work Performed By **Duke Power Company**
   Address **526 S. Church Street, Charlotte, NC 28201-1006**
   Type Code Symbol Stamp **N/A** Authorization No. **N/A** Expiration Date **N/A**

3b. NSM or MM # N/A

4. Identification of System RC Class 1

5. (a) Applicable Construction Code B31.7 1968 Edition, 6-68 Addenda, N/A Code Cases
   (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1989, No Addenda

6. Identification of Components Repaired or Replaced and Replacement Components

	Column 1	Column 2	Column 3	Column 4	Column 5	Col. 6	Column 7	Column 8
	Name of Component	**Name of Manufacturer**	**Manufacturer Serial Number**	**National Board Number**	**Other Identification**	**Year Built**	**Repaired, Replaced, or Replacement**	**ASME Code Stamped (yes or no)**
A	Bolting	N/A	N/A	N/A			☐ Repaired ☒ Replaced ☐ Replacement	☒ No ☐ Yes
B	Bolting	General Nuclear	N/A	N/A	N/A	1992	☐ Repaired ☐ Replaced ☒ Replacement	☒ No ☐ Yes
C	Bolting	MVI	N/A	N/A	N/A	1991	☐ Repaired ☐ Replaced ☒ Replacement	☒ No ☐ Yes
D	CROM DRIVE	DIAMOND POWER	#27	N/A	PART # 703255-1058	N/A	☐ Repaired ☒ Replaced ☐ Replacement	☒ No ☐ Yes
E	CROM DRIVE	B&W *	#106	N/A	PART # 703255-1058	1995	☐ Repaired ☐ Replaced ☒ Replacement	☒ No ☐ Yes
F							☐ Repaired ☐ Replaced ☐ Replacement	☐ No ☐ Yes

Form 401463 (2-95)

Form NIS-2 (Back)

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

7. Description of Work Replaced bolting and drive CRDM Nozzle #7

8. Test Conducted: ☐ Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☑ Other ☐ Exempt

Pressure	2201 psig	Test Temp.	532 °F
Pressure	_____ psig	Test Temp.	_____ °F
Pressure	_____ psig	Test Temp.	_____ °F

9. Remarks *CRDM DRIVE WAS Refurbished by B+W

(Applicable Manufacturer's Data Records to be Attached)

CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this **repair or replacement** conforms to the rules of the ASME Code, Section XI.

Type Code Symbol Stamp **N/A**

Certificate of Authorization No. **N/A** Expiration Date **N/A**

Signed C R Hinson QC Specialist Date 5-30, 19 95
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Providence of NC and employed by **HSBI and I Company of Hartford Connecticut** have inspected the components described in this Owner's Report during the period 4-29-95 to 5-30-95; and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

W.L.S Chapman Commissions NC914
Inspector's Signature National Board, State, Providence and Endorsements

Date 5-31, 1995

Form 401463 (2-95)

FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS
As Required By The Provisions Of The ASME Code Section XI

1. Owner **Duke Power Company**
   Address **526 S. Church Street, Charlotte, NC 28201-1006**

1a. Date 5-24-95

Sheet 1 of 1

2. Plant **Oconee Nuclear Station**
   Address **P.O. Box 1439, Seneca, S.C. 29679**

2a. Unit ☑ 1 ☐ 2 ☐ 3 ☐ Shared (specify Units_____)

3a. Work Order # 95034253-01
Repair Organization Job #

3. Work Performed By **Duke Power Company**
   Address **526 S. Church Street, Charlotte, NC 28201-1006**
   Type Code Symbol Stamp **N/A** Authorization No. **N/A** Expiration Date **N/A**

3b. NSM or MM # _____

4. Identification of System MS Class B

5. (a) Applicable Construction Code B31.7 19 68 Edition, 6-68 Addenda, ND Code Cases
   (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1989, No Addenda

6. Identification of Components Repaired or Replaced and Replacement Components

	Column 1	Column 2	Column 3	Column 4	Column 5	Col. 6	Column 7	Column 8
	Name of Component	**Name of Manufacturer**	**Manufacturer Serial Number**	**National Board Number**	**Other Identification**	**Year Built**	**Repaired, Replaced, or Replacement**	**ASME Code Stamped (yes or no)**
A	Bolting	Texas Bolt	N/A	N/A	Heat # 5095	N/A	☐ Repaired ☐ Replaced ☒ Replacement	☒ No ☐ Yes
B	Bolting	N/A	N/A	N/A	N/A	N/A	☐ Repaired ☒ Replaced ☐ Replacement	☒ No ☐ Yes
C	Bolting	A & G Manufacturing	N/A	N/A	Heat # NAQ	N/A	☐ Repaired ☐ Replaced ☒ Replacement	☒ No ☐ Yes
D	Bolting	N/A	N/A	N/A	N/A	N/A	☐ Repaired ☒ Replaced ☐ Replacement	☒ No ☐ Yes
E							☐ Repaired ☐ Replaced ☐ Replacement	☐ No ☐ Yes
F							☐ Repaired ☐ Replaced ☐ Replacement	☐ No ☐ Yes

Form 401463 (2-95)

Form NIS-2 (Back)

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

7. Description of Work Replaced Body to Bonnet bolting on valve 1MS-79

8. Test Conducted: ☐ Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☐ Other ☒ Exempt

Pressure _____ psig Test Temp. _____ °F

Pressure _____ psig Test Temp. _____ °F

Pressure _____ psig Test Temp. _____ °F

9. Remarks _____

(Applicable Manufacturer's Data Records to be Attached)

CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this **repair or replacement** conforms to the rules of the ASME Code, Section XI.

Type Code Symbol Stamp **N/A**

Certificate of Authorization No. **N/A** Expiration Date **N/A**

Signed Pat Hooper QC Specialist Date 5-24, 1995
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Providence of N.C. and employed by **HSBI and I Company of Hartford Connecticut** have inspected the components described in this Owner's Report during the period 4-29-95 to 5-24-95; and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

W B Chapman Commissions NC 914
Inspector's Signature National Board, State, Providence and Endorsements

Date 5-24, 1995

Form 401463 (2-95)

FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS
As Required By The Provisions Of The ASME Code Section XI

1. Owner **Duke Power Company**
   Address **526 S. Church Street, Charlotte, NC 28201-1006**

1a. Date 5-30-95

Sheet 1 of 1

2. Plant **Oconee Nuclear Station**
   Address **P.O. Box 1439, Seneca, S.C. 29679**

2a. Unit ☒ 1 ☐ 2 ☐ 3 ☐ Shared (specify Units _____)

3a. Work Order # 95034262-01
Repair Organization Job #

3. Work Performed By **Duke Power Company**
   Address **526 S. Church Street, Charlotte, NC 28201-1006**
   Type Code Symbol Stamp **N/A** Authorization No. **N/A** Expiration Date **N/A**

3b. NSM or MM # N/A

4. Identification of System RC Class 1

5. (a) Applicable Construction Code B31.7 1968 Edition, 6-68 Addenda, NO Code Cases
   (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1989, No Addenda

6. Identification of Components Repaired or Replaced and Replacement Components

	Column 1	Column 2	Column 3	Column 4	Column 5	Col. 6	Column 7	Column 8
	Name of Component	**Name of Manufacturer**	**Manufacturer Serial Number**	**National Board Number**	**Other Identification**	**Year Built**	**Repaired, Replaced, or Replacement**	**ASME Code Stamped (yes or no)**
A	Bolting	N/A	N/A	N/A	N/A	N/A	☐ Repaired ☒ Replaced ☐ Replacement	☒ No ☐ Yes
B	Bolting	MVI	N/A	N/A	N/A	1991	☐ Repaired ☐ Replaced ☒ Replacement	☒ No ☐ Yes
C	Bolting	GENERAL NUCLEAR	N/A	N/A	N/A	1992	☐ Repaired ☐ Replaced ☒ Replacement	☒ No ☐ Yes
D							☐ Repaired ☐ Replaced ☐ Replacement	☐ No ☐ Yes
E							☐ Repaired ☐ Replaced ☐ Replacement	☐ No ☐ Yes
F							☐ Repaired ☐ Replaced ☐ Replacement	☐ No ☐ Yes

Form 401463 (2-95)

Form NIS-2 (Back)

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

7. Description of Work Replaced bolting CRDM NOZZLE #21

8. Test Conducted: ☐ Hydrostatic ☐ Pneumatic ☑ Nominal Operating Pressure ☐ Other ☐ Exempt

Pressure	2201 psig	Test Temp.	532 °F
Pressure	_____ psig	Test Temp.	_____ °F
Pressure	_____ psig	Test Temp.	_____ °F

9. Remarks _____

(Applicable Manufacturer's Data Records to be Attached)

CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this **repair or replacement** conforms to the rules of the ASME Code, Section XI.

Type Code Symbol Stamp **N/A**

Certificate of Authorization No. **N/A** Expiration Date **N/A**

Signed C.R. Henson QC SPECIALIST Date 5-30, 1995
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Providence of N. C. and employed by **HSBI and I Company of Hartford Connecticut** have inspected the components described in this Owner's Report during the period 4-29-95 to 5-30-95; and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

W M S Chapman Commissions NC914
Inspector's Signature National Board, State, Providence and Endorsements

Date 5-30, 1995

Form 401463 (2-95)

FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS
As Required By The Provisions Of The ASME Code Section XI

1. Owner **Duke Power Company**
   Address **526 S. Church Street, Charlotte, NC 28201-1006**

1a. Date 5-30-95

Sheet 1 of 1

2. Plant **Oconee Nuclear Station**
   Address **P.O. Box 1439, Seneca, S.C. 29679**

2a. Unit ☒ 1 ☐ 2 ☐ 3 ☐ Shared (specify Units_____)

3a. Work Order # 95030848-01
Repair Organization Job #

3. Work Performed By **Duke Power Company**
   Address **526 S. Church Street, Charlotte, NC 28201-1006**
   Type Code Symbol Stamp **N/A** Authorization No. **N/A** Expiration Date **N/A**

3b. NSM or MM # N/A

4. Identification of System RC Class 1

5. (a) Applicable Construction Code B31.7 1968 Edition, S-68 Addenda, NO Code Cases
   (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1989, No Addenda

6. Identification of Components Repaired or Replaced and Replacement Components

	Column 1	Column 2	Column 3	Column 4	Column 5	Col. 6	Column 7	Column 8
	Name of Component	**Name of Manufacturer**	**Manufacturer Serial Number**	**National Board Number**	**Other Identification**	**Year Built**	**Repaired, Replaced, or Replacement**	**ASME Code Stamped (yes or no)**
A	Bolting	N/A	n/a	n/a	n/a	n/a	☐ Repaired ☐ Replaced ☐ Replacement	☐ No ☐ Yes
B	Bolting	MVI	n/a	n/a	n/a	1991	☐ Repaired ☐ Replaced ☒ Replacement	☒ No ☐ Yes
C	Bolting	General Nuclear	n/a	n/a	n/a	1992	☐ Repaired ☐ Replaced ☒ Replacement	☒ No ☐ Yes
D							☐ Repaired ☐ Replaced ☐ Replacement	☐ No ☐ Yes
E							☐ Repaired ☐ Replaced ☐ Replacement	☐ No ☐ Yes
F							☐ Repaired ☐ Replaced ☐ Replacement	☐ No ☐ Yes

Form 401463 (2-95)

Form NIS-2 (Back)

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7. Description of Work Replaced bolting CRDM nozzle # 2

8. Test Conducted: ☐ Hydrostatic ☐ Pneumatic ☑ Nominal Operating Pressure ☐ Other ☐ Exempt

Pressure	2201 psig	Test Temp.	532 °F
Pressure	_____ psig	Test Temp.	_____ °F
Pressure	_____ psig	Test Temp.	_____ °F

9. Remarks _____

(Applicable Manufacturer's Data Records to be Attached)

CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this **repair or replacement** conforms to the rules of the ASME Code, Section XI.

Type Code Symbol Stamp **N/A**

Certificate of Authorization No. **N/A** Expiration Date **N/A**

Signed C.R. Henson QC SPECIALIST Date 5-30, 19 95
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Providence of N. C. and employed by **HSBI and I Company of Hartford Connecticut** have inspected the components described in this Owner's Report during the period 4-29-95 to 5-30-95; and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

M B Chapman Commissions NC 914
Inspector's Signature National Board, State, Providence and Endorsements

Date 5 30, 19 95

Form 401463 (2-95)

FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS
As Required By The Provisions Of The ASME Code Section XI

1. Owner **Duke Power Company**
   Address **526 S. Church Street, Charlotte, NC 28201-1006**

1a. Date 5-30-85

Sheet 1 of 1

2. Plant **Oconee Nuclear Station**
   Address **P.O. Box 1439, Seneca, S.C. 29679**

2a. Unit ☒ 1 ☐ 2 ☐ 3 ☐ Shared (specify Units_____)

3. Work Performed By **Duke Power Company**
   Address **526 S. Church Street, Charlotte, NC 28201-1006**
   Type Code Symbol Stamp **N/A** Authorization No. **N/A** Expiration Date **N/A**

3a. Work Order # 95034258-01
Repair Organization Job #

3b. NSM or MM # n/a

4. Identification of System RC Class 1

5. (a) Applicable Construction Code B31.7 19 68 Edition, 6-68 Addenda, NO Code Cases
   (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1989, No Addenda

6. Identification of Components Repaired or Replaced and Replacement Components

	Column 1	Column 2	Column 3	Column 4	Column 5	Col. 6	Column 7	Column 8
	Name of Component	**Name of Manufacturer**	**Manufacturer Serial Number**	**National Board Number**	**Other Identification**	**Year Built**	**Repaired, Replaced, or Replacement**	**ASME Code Stamped (yes or no)**
A	Bolting	n/a	n/a	n/a	n/a	n/a	☐ Repaired ☒ Replaced ☐ Replacement	☒ No ☐ Yes
B	Bolting	General Nuclear	n/a	n/a	n/a	1992	☐ Repaired ☐ Replaced ☒ Replacement	☒ No ☐ Yes
C	Bolting	B&W	n/a	n/a	n/a	1980	☐ Repaired ☐ Replaced ☒ Replacement	☒ No ☐ Yes
D							☐ Repaired ☐ Replaced ☐ Replacement	☐ No ☐ Yes
E							☐ Repaired ☐ Replaced ☐ Replacement	☐ No ☐ Yes
F							☐ Repaired ☐ Replaced ☐ Replacement	☐ No ☐ Yes

Form 401463 (2-95)

Form NIS-2 (Back)

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7. Description of Work Replaced bolting CRDM nozzle #29

8. Test Conducted: ☐ Hydrostatic ☐ Pneumatic ☒ Nominal Operating Pressure ☐ Other ☐ Exempt

Pressure	~~2155~~ CRH 5-30-95 psig	Test Temp.	~~600~~ CRH °F 5-30-95
Pressure	2201 psig	Test Temp.	532 °F
Pressure	_____ psig	Test Temp.	_____ °F

9. Remarks _____

(Applicable Manufacturer's Data Records to be Attached)

CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this **repair or replacement** conforms to the rules of the ASME Code, Section XI.

Type Code Symbol Stamp **N/A**

Certificate of Authorization No. **N/A** Expiration Date **N/A**

Signed C R Hanson QC SPECIALIST Date 5-30, 19 95
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Providence of N. C. and employed by **HSBI and I Company of Hartford Connecticut** have inspected the components described in this Owner's Report during the period 4-29-95 to 5-30-95; and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

W. B. Chapman Commissions NC 914
Inspector's Signature National Board, State, Providence and Endorsements

Date 5-30, 1995

Form 401463 (2-95)

FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS
As Required By The Provisions Of The ASME Code Section XI

1. Owner **Duke Power Company**
   Address **526 S. Church Street, Charlotte, NC 28201-1006**

1a. Date 5-30-95

Sheet 1 of 1

2. Plant **Oconee Nuclear Station**
   Address **P.O. Box 1439, Seneca, S.C. 29679**

2a. Unit ☒ 1 ☐ 2 ☐ 3 ☐ Shared (specify Units_____)

3a. Work Order # 95034260-01
Repair Organization Job #

3. Work Performed By **Duke Power Company**
   Address **526 S. Church Street, Charlotte, NC 28201-1006**
   Type Code Symbol Stamp **N/A** Authorization No. **N/A** Expiration Date **N/A**

3b. NSM or MM # N/A

4. Identification of System RC Class 1

5. (a) Applicable Construction Code B31.7 1968 Edition, 6-68 Addenda, NO Code Cases
   (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1989, No Addenda

6. Identification of Components Repaired or Replaced and Replacement Components

	Column 1	Column 2	Column 3	Column 4	Column 5	Col. 6	Column 7	Column 8
	Name of Component	**Name of Manufacturer**	**Manufacturer Serial Number**	**National Board Number**	**Other Identification**	**Year Built**	**Repaired, Replaced, or Replacement**	**ASME Code Stamped (yes or no)**
A	Bolting	n/a	n/a	n/a	n/a	n/a	☐ Repaired ☒ Replaced ☐ Replacement	☒ No ☐ Yes
B	Bolting	General Nuclear	n/a	n/a	n/a	1992	☐ Repaired ☐ Replaced ☒ Replacement	☒ No ☐ Yes
C	Bolting	B&W	n/a	n/a	n/a	1975	☐ Repaired ☐ Replaced ☒ Replacement	☒ No ☐ Yes
D							☐ Repaired ☐ Replaced ☐ Replacement	☐ No ☐ Yes
E							☐ Repaired ☐ Replaced ☐ Replacement	☐ No ☐ Yes
F							☐ Repaired ☐ Replaced ☐ Replacement	☐ No ☐ Yes

Form 401463 (2-95)

Form NIS-2 (Back)

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7. Description of Work Replaced bolting CRDM N033K #28

8. Test Conducted: ☐ Hydrostatic ☐ Pneumatic ☑ Nominal Operating Pressure ☐ Other ☐ Exempt

Pressure	2201 psig	Test Temp.	532 °F
Pressure	_____ psig	Test Temp.	_____ °F
Pressure	_____ psig	Test Temp.	_____ °F

9. Remarks _____

(Applicable Manufacturer's Data Records to be Attached)

CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this **repair or replacement** conforms to the rules of the ASME Code, Section XI.

Type Code Symbol Stamp **N/A**

Certificate of Authorization No. **N/A** Expiration Date **N/A**

Signed C R Henson QC SPECIALIST Date 5-30, 19 95
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Providence of N. C and employed by **HSBI and I Company of Hartford Connecticut** have inspected the components described in this Owner's Report during the period 4-25-95 to 5-30-95; and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

W B Chapman Commissions NC 914
Inspector's Signature National Board, State, Providence and Endorsements

Date 5-31, 1995

Form 401463 (2-95)

FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS
As Required By The Provisions Of The ASME Code Section XI

1. Owner **Duke Power Company**
   Address **526 S. Church Street, Charlotte, NC 28201-1006**

1a. Date 5-30-95

Sheet 1 of 1

2. Plant **Oconee Nuclear Station**
   Address **P.O. Box 1439, Seneca, S.C. 29679**

2a. Unit ☒ 1 ☐ 2 ☐ 3 ☐ Shared (specify Units_____)

3a. Work Order # 950308 36-01
Repair Organization Job #

3. Work Performed By **Duke Power Company**
   Address **526 S. Church Street, Charlotte, NC 28201-1006**
   Type Code Symbol Stamp **N/A** Authorization No. **N/A** Expiration Date **N/A**

3b. NSM or MM # N/A

4. Identification of System RC Class 1

5. (a) Applicable Construction Code B31.7 1968 Edition, 68 Addenda, NO Code Cases
   (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1989, No Addenda

6. Identification of Components Repaired or Replaced and Replacement Components

	Column 1	Column 2	Column 3	Column 4	Column 5	Col. 6	Column 7	Column 8
	Name of Component	**Name of Manufacturer**	**Manufacturer Serial Number**	**National Board Number**	**Other Identification**	**Year Built**	**Repaired, Replaced, or Replacement**	**ASME Code Stamped (yes or no)**
A	Bolting	n/a	n/a	n/a	n/a	n/a	☐ Repaired ☒ Replaced ☐ Replacement	☒ No ☐ Yes
B	Bolting	GENERAL NUCLEAR	n/a	n/a	n/a	1992	☐ Repaired ☐ Replaced ☒ Replacement	☒ No ☐ Yes
C	Bolting	MVI	n/a	n/a	n/a	1991	☐ Repaired ☐ Replaced ☒ Replacement	☒ No ☐ Yes
D							☐ Repaired ☐ Replaced ☐ Replacement	☐ No ☐ Yes
E							☐ Repaired ☐ Replaced ☐ Replacement	☐ No ☐ Yes
F							☐ Repaired ☐ Replaced ☐ Replacement	☐ No ☐ Yes

Form 401463 (2-95)

Form NIS-2 (Back)

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7. Description of Work Replaced bolting CRDM nozzle # 69

8. Test Conducted: ☐ Hydrostatic ☐ Pneumatic ☒ Nominal Operating Pressure ☐ Other ☐ Exempt

Pressure	2201 psig	Test Temp.	532 °F
Pressure	_____ psig	Test Temp.	_____ °F
Pressure	_____ psig	Test Temp.	_____ °F

9. Remarks _____

(Applicable Manufacturer's Data Records to be Attached)

CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this **repair or replacement** conforms to the rules of the ASME Code, Section XI.

Type Code Symbol Stamp **N/A**

Certificate of Authorization No. **N/A** Expiration Date **N/A**

Signed C R Henson QC Specialist Date 5-30, 19 95
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Providence of N.C. and employed by **HSBI and I Company of Hartford Connecticut** have inspected the components described in this Owner's Report during the period 4-28-95 to 5-30-95; and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

M B Chapman Commissions NC914
Inspector's Signature National Board, State, Providence and Endorsements

Date 5-31, 1995

Form 401463 (2-95)

FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS
As Required By The Provisions Of The ASME Code Section XI

1. Owner **Duke Power Company**
   Address **526 S. Church Street, Charlotte, NC 28201-1006**

1a. Date 5-30-95

Sheet 1 of 1

2. Plant **Oconee Nuclear Station**
   Address **P.O. Box 1439, Seneca, S.C. 29679**

2a. Unit ☒ 1 ☐ 2 ☐ 3 ☐ Shared (specify Units _____)

3a. Work Order # 95034255-01
Repair Organization Job #

3. Work Performed By **Duke Power Company**
   Address **526 S. Church Street, Charlotte, NC 28201-1006**
   Type Code Symbol Stamp **N/A** Authorization No. **N/A** Expiration Date **N/A**

3b. NSM or MM # N/A

4. Identification of System RC Class 1

5. (a) Applicable Construction Code B31.7 1968 Edition, 6-68 Addenda, NO Code Cases
   (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1989, No Addenda

6. Identification of Components Repaired or Replaced and Replacement Components

	Column 1	Column 2	Column 3	Column 4	Column 5	Col. 6	Column 7	Column 8
	Name of Component	**Name of Manufacturer**	**Manufacturer Serial Number**	**National Board Number**	**Other Identification**	**Year Built**	**Repaired, Replaced, or Replacement**	**ASME Code Stamped (yes or no)**
A	Bolting	n/a	n/a	n/a	n/a	n/a	☐ Repaired ☒ Replaced ☐ Replacement	☒ No ☐ Yes
B	Bolting	General Nuclear	n/a	n/a	n/a	1992	☐ Repaired ☐ Replaced ☒ Replacement	☒ No ☐ Yes
C							☐ Repaired ☐ Replaced ☐ Replacement	☐ No ☐ Yes
D							☐ Repaired ☐ Replaced ☐ Replacement	☐ No ☐ Yes
E							☐ Repaired ☐ Replaced ☐ Replacement	☐ No ☐ Yes
F							☐ Repaired ☐ Replaced ☐ Replacement	☐ No ☐ Yes

Form 401463 (2-95)

Form NIS-2 (Back)

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

7. Description of Work Replaced Bolting CRDM nozzle #13

8. Test Conducted: ☐ Hydrostatic ☐ Pneumatic ☑ Nominal Operating Pressure ☐ Other ☐ Exempt

Pressure	2201 psig	Test Temp.	532 °F
Pressure	_____ psig	Test Temp.	_____ °F
Pressure	_____ psig	Test Temp.	_____ °F

9. Remarks _____

(Applicable Manufacturer's Data Records to be Attached)

CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this **repair or replacement** conforms to the rules of the ASME Code, Section XI.

Type Code Symbol Stamp **N/A**

Certificate of Authorization No. **N/A** Expiration Date **N/A**

Signed C R Hansen QC SPECIALIST Date 5-30, 19 95
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Providence of N C and employed by **HSBI and I Company of Hartford Connecticut** have inspected the components described in this Owner's Report during the period 4-29-95 to 5-30-95; and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

M.B. Chapman Commissions NC 914
Inspector's Signature National Board, State, Providence and Endorsements

Date 5-31, 19 95

Form 401463 (2-95)

FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS
As Required By The Provisions Of The ASME Code Section XI

1. Owner **Duke Power Company**
   Address **526 S. Church Street, Charlotte, NC 28201-1006**

1a. Date 5-30-95

Sheet 1 of 1

2. Plant **Oconee Nuclear Station**
   Address **P.O. Box 1439, Seneca, S.C. 29679**

2a. Unit ☒ 1 ☐ 2 ☐ 3 ☐ Shared (specify Units_____)

3a. Work Order # 95030847-01
Repair Organization Job #

3. Work Performed By **Duke Power Company**
   Address **526 S. Church Street, Charlotte, NC 28201-1006**
   Type Code Symbol Stamp **N/A** Authorization No. **N/A** Expiration Date **N/A**

3b. NSM or MM # N/A

4. Identification of System RC Class 1

5. (a) Applicable Construction Code B31.7 1968 Edition, 6-68 Addenda, NO Code Cases
   (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1989, No Addenda

6. Identification of Components Repaired or Replaced and Replacement Components

	Column 1	Column 2	Column 3	Column 4	Column 5	Col. 6	Column 7	Column 8
	Name of Component	**Name of Manufacturer**	**Manufacturer Serial Number**	**National Board Number**	**Other Identification**	**Year Built**	**Repaired, Replaced, or Replacement**	**ASME Code Stamped (yes or no)**
A	Bolting	N/A	N/A	N/A	N/A	N/A	☐ Repaired ☒ Replaced ☐ Replacement	☒ No ☐ Yes
B	Bolting	General NUCLEAR	N/A	N/A	N/A	1992	☐ Repaired ☐ Replaced ☒ Replacement	☒ No ☐ Yes
C	Bolting	MVI	N/A	N/A	N/A	1991	☐ Repaired ☐ Replaced ☒ Replacement	☒ No ☐ Yes
D							☐ Repaired ☐ Replaced ☐ Replacement	☐ No ☐ Yes
E							☐ Repaired ☐ Replaced ☐ Replacement	☐ No ☐ Yes
F							☐ Repaired ☐ Replaced ☐ Replacement	☐ No ☐ Yes

Form 401463 (2-95)

Form NIS-2 (Back)

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

7. Description of Work Replaced bolting CRDM nozzle 45

8. Test Conducted: ☐ Hydrostatic ☐ Pneumatic ☑ Nominal Operating Pressure ☐ Other ☐ Exempt

Pressure	2201 psig	Test Temp.	532 °F
Pressure	_____ psig	Test Temp.	_____ °F
Pressure	_____ psig	Test Temp.	_____ °F

9. Remarks _____

(Applicable Manufacturer's Data Records to be Attached)

CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this **repair or replacement** conforms to the rules of the ASME Code, Section XI.

Type Code Symbol Stamp **N/A**

Certificate of Authorization No. **N/A** Expiration Date **N/A**

Signed C R Henson QC Specialist Date 5-30, 19 95
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Providence of NC and employed by **HSBI and I Company of Hartford Connecticut** have inspected the components described in this Owner's Report during the period 4-29-95 to 5-30-95; and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

M.B. Chapman Commissions NC 914
Inspector's Signature National Board, State, Providence and Endorsements

Date 5-31, 1995

Form 401463 (2-95)

FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS
As Required By The Provisions Of The ASME Code Section XI

1. Owner **Duke Power Company**
   Address **526 S. Church Street, Charlotte, NC 28201-1006**

1a. Date 6-12-95

Sheet 1 of 1

2. Plant **Oconee Nuclear Station**
   Address **P.O. Box 1439, Seneca, S.C. 29679**

2a. Unit ☑ 1 ☐ 2 ☐ 3 ☐ Shared (specify Units_____)

3a. Work Order # 94086683-01
Repair Organization Job #

3. Work Performed By **Duke Power Company**
   Address **526 S. Church Street, Charlotte, NC 28201-1006**
   Type Code Symbol Stamp **N/A** Authorization No. **N/A** Expiration Date **N/A**

3b. NSM or MM # N/A

4. Identification of System HP Class 2

5. (a) Applicable Construction Code B31.7 1968 Edition, 6-68 Addenda, N/A Code Cases
   (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1989, No Addenda

6. Identification of Components Repaired or Replaced and Replacement Components

	Column 1	Column 2	Column 3	Column 4	Column 5	Col. 6	Column 7	Column 8
	Name of Component	**Name of Manufacturer**	**Manufacturer Serial Number**	**National Board Number**	**Other Identification**	**Year Built**	**Repaired, Replaced, or Replacement**	**ASME Code Stamped (yes or no)**
A	Stem / Plug Assembly	N/A	N/A	N/A	N/A	N/A	☐ Repaired ☑ Replaced ☐ Replacement	☑ No ☐ Yes
B	Stem/Plug Assembly	Fisher Controls Co.	N/A	N/A	Part # 14A3722X182	N/A	☐ Repaired ☐ Replaced ☑ Replacement	☑ No ☐ Yes
C							☐ Repaired ☐ Replaced ☐ Replacement	☐ No ☐ Yes
D							☐ Repaired ☐ Replaced ☐ Replacement	☐ No ☐ Yes
E							☐ Repaired ☐ Replaced ☐ Replacement	☐ No ☐ Yes
F							☐ Repaired ☐ Replaced ☐ Replacement	☐ No ☐ Yes

Form 401463 (2-95)

Form NIS-2 (Back)

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

7. Description of Work Replaced Stem/Plug assembly in Valve 1HP-31

8. Test Conducted: ☐ Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☐ Other ☑ Exempt

Pressure	_____ psig	Test Temp.	_____ °F
Pressure	_____ psig	Test Temp.	_____ °F
Pressure	_____ psig	Test Temp.	_____ °F

9. Remarks _____

(Applicable Manufacturer's Data Records to be Attached)

CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this **repair or replacement** conforms to the rules of the ASME Code, Section XI.

Type Code Symbol Stamp **N/A**

Certificate of Authorization No. **N/A** Expiration Date **N/A**

Signed [signature] QC Specialist Date 6-12, 1995
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Providence of NC and employed by **HSBI and I Company of Hartford Connecticut** have inspected the components described in this Owner's Report during the period 4-29-95 to 6-16-95; and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

[signature] Commissions NC914
Inspector's Signature National Board, State, Providence and Endorsements

Date 6-16, 1995

Form 401463 (2-95)

FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS
As Required By The Provisions Of The ASME Code Section XI

1. Owner **Duke Power Company**
   Address **526 S. Church Street, Charlotte, NC 28201-1006**

1a. Date 5-30-95

Sheet 1 of 1

2. Plant **Oconee Nuclear Station**
   Address **P.O. Box 1439, Seneca, S.C. 29679**

2a. Unit ☒ 1 ☐ 2 ☐ 3 ☐ Shared (specify Units _____)

3a. Work Order # 95031013-01
Repair Organization Job #

3. Work Performed By **Duke Power Company**
   Address **526 S. Church Street, Charlotte, NC 28201-1006**
   Type Code Symbol Stamp **N/A** Authorization No. **N/A** Expiration Date **N/A**

3b. NSM or MM # n/a

4. Identification of System RC Class 1

5. (a) Applicable Construction Code B31.7 19 68 Edition, 6-68 Addenda, no Code Cases
   (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1989, No Addenda

6. Identification of Components Repaired or Replaced and Replacement Components

	Column 1	Column 2	Column 3	Column 4	Column 5	Col. 6	Column 7	Column 8
	Name of Component	**Name of Manufacturer**	**Manufacturer Serial Number**	**National Board Number**	**Other Identification**	**Year Built**	**Repaired, Replaced, or Replacement**	**ASME Code Stamped (yes or no)**
A	Bolting	n/a	n/a	n/a	n/a	n/a	☐ Repaired ☒ Replaced ☐ Replacement	☒ No ☐ Yes
B	Bolting	MVI	n/a	n/a	n/a	1991	☐ Repaired ☐ Replaced ☒ Replacement	☒ No ☐ Yes
C	Bolting	General Nuclear	n/a	n/a	n/a	1992	☐ Repaired ☐ Replaced ☒ Replacement	☒ No ☐ Yes
D							☐ Repaired ☐ Replaced ☐ Replacement	☐ No ☐ Yes
E							☐ Repaired ☐ Replaced ☐ Replacement	☐ No ☐ Yes
F							☐ Repaired ☐ Replaced ☐ Replacement	☐ No ☐ Yes

Form 401463 (2-95)

Form NIS-2 (Back)

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7. Description of Work Replaced bolting CRDM NOZZLE #16

8. Test Conducted: ☐ Hydrostatic ☐ Pneumatic ☒ Nominal Operating Pressure ☐ Other ☐ Exempt

Pressure	2201 psig	Test Temp.	532 °F
Pressure	_____ psig	Test Temp.	_____ °F
Pressure	_____ psig	Test Temp.	_____ °F

9. Remarks _____

(Applicable Manufacturer's Data Records to be Attached)

CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this **repair or replacement** conforms to the rules of the ASME Code, Section XI.

Type Code Symbol Stamp **N/A**

Certificate of Authorization No. **N/A** Expiration Date **N/A**

Signed C.R. Henson QC SPECIALIST Date 5-30, 19 95
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Providence of N.C and employed by **HSBI and I Company of Hartford Connecticut** have inspected the components described in this Owner's Report during the period 4-29-95 to 5-30-95; and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

W.B. Chapman Commissions NC914
Inspector's Signature National Board, State, Providence and Endorsements

Date 6-1, 19 95

Form 401463 (2-95)

FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS
As Required By The Provisions Of The ASME Code Section XI

1. Owner **Duke Power Company**
   Address **526 S. Church Street, Charlotte, NC 28201-1006**

1a. Date 11-30-95

Sheet 1 of 1

2. Plant **Oconee Nuclear Station**
   Address **P.O. Box 1439, Seneca, S.C. 29679**

2a. Unit ☒ 1 ☐ 2 ☐ 3 ☐ Shared (specify Units_____)

3a. Work Order # 95023297
Repair Organization Job #

3. Work Performed By **Duke Power Company**
   Address **526 S. Church Street, Charlotte, NC 28201-1006**
   Type Code Symbol Stamp **N/A** Authorization No. **N/A** Expiration Date **N/A**

3b. NSM or MM # OE-7301

4. Identification of System RC Class A

5. (a) Applicable Construction Code ASME III 19 67 Edition, Summer Addenda, 1332-2, 1332-3, 1332-4 Code Cases
   (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1989, No Addenda 1339-1, 1336, 1359-1, 1338-3 all 1

6. Identification of Components Repaired or Replaced and Replacement Components

	Column 1	Column 2	Column 3	Column 4	Column 5	Col. 6	Column 7	Column 8
	Name of Component	**Name of Manufacturer**	**Manufacturer Serial Number**	**National Board Number**	**Other Identification**	**Year Built**	**Repaired, Replaced, or Replacement**	**ASME Code Stamped (yes or no)**
A	OTSG-B	B+W	620-0003-55-2	N-104	N/A	1969	☒ Repaired ☐ Replaced ☐ Replacement	☐ No ☒ Yes
B							☐ Repaired ☐ Replaced ☐ Replacement	☐ No ☐ Yes
C							☐ Repaired ☐ Replaced ☐ Replacement	☐ No ☐ Yes
D							☐ Repaired ☐ Replaced ☐ Replacement	☐ No ☐ Yes
E							☐ Repaired ☐ Replaced ☐ Replacement	☐ No ☐ Yes
F							☐ Repaired ☐ Replaced ☐ Replacement	☐ No ☐ Yes

Form 401463 (2-95)

Form NIS-2 (Back)

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7. Description of Work Plugged and Stabilized tubes 1B OTSG

8. Test Conducted: ☐ Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☐ Other ☒ Exempt

Pressure _____ psig Test Temp. _____ °F

Pressure _____ psig Test Temp. _____ °F

Pressure _____ psig Test Temp. _____ °F

9. Remarks _____

(Applicable Manufacturer's Data Records to be Attached)

CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this **repair or replacement** conforms to the rules of the ASME Code, Section XI.

Type Code Symbol Stamp **N/A**

Certificate of Authorization No. **N/A** Expiration Date **N/A**

Signed C R Hinson Date 12-2, 1995
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Providence of N. C. and employed by **HSBI and I Company of Hartford Connecticut** have inspected the components described in this Owner's Report during the period 11-4-95 to 12-2-95; and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

W. B. Chapman Commissions NC914
Inspector's Signature National Board, State, Providence and Endorsements

Date 12-2, 1995

Form 401463 (2-95)

FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS
As Required By The Provisions Of The ASME Code Section XI

1. Owner **Duke Power Company**
   Address **526 S. Church Street, Charlotte, NC 28201-1006**

1a. Date 11-30-95

Sheet 1 of 1

2. Plant **Oconee Nuclear Station**
   Address **P.O. Box 1439, Seneca, S.C. 29679**

2a. Unit ☒ 1 ☐ 2 ☐ 3 ☐ Shared (specify Units_____)

3a. Work Order # 95023293
Repair Organization Job #

3. Work Performed By **Duke Power Company**
   Address **526 S. Church Street, Charlotte, NC 28201-1006**
   Type Code Symbol Stamp **N/A** Authorization No. **N/A** Expiration Date **N/A**

3b. NSM or MM # OE-7300

4. Identification of System RC Class A

5. (a) Applicable Construction Code ASME III 19 67 Edition, Summer Addenda, 1332-2, 1332-3, 1332-4, 1339-1 Code Cases
   (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1989, No Addenda 1336, 1359-1, 1338-3 all-1

6. Identification of Components Repaired or Replaced and Replacement Components

	Column 1	Column 2	Column 3	Column 4	Column 5	Col. 6	Column 7	Column 8
	Name of Component	**Name of Manufacturer**	**Manufacturer Serial Number**	**National Board Number**	**Other Identification**	**Year Built**	**Repaired, Replaced, or Replacement**	**ASME Code Stamped (yes or no)**
A	1A OTSG	B+W	620-0003-551	N-103	N/A	1969	☒ Repaired ☐ Replaced ☐ Replacement	☐ No ☒ Yes
B							☐ Repaired ☐ Replaced ☐ Replacement	☐ No ☐ Yes
C							☐ Repaired ☐ Replaced ☐ Replacement	☐ No ☐ Yes
D							☐ Repaired ☐ Replaced ☐ Replacement	☐ No ☐ Yes
E							☐ Repaired ☐ Replaced ☐ Replacement	☐ No ☐ Yes
F							☐ Repaired ☐ Replaced ☐ Replacement	☐ No ☐ Yes

Form 401463 (2-95)

Form NIS-2 (Back)

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7. Description of Work Plugged, Stabilized tubes 1A OTSG

8. Test Conducted: ☐ Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☐ Other ☒ Exempt

Pressure _____ psig Test Temp. _____ °F

Pressure _____ psig Test Temp. _____ °F

Pressure _____ psig Test Temp. _____ °F

9. Remarks _____

(Applicable Manufacturer's Data Records to be Attached)

CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this **repair or replacement** conforms to the rules of the ASME Code, Section XI.

Type Code Symbol Stamp **N/A**

Certificate of Authorization No. **N/A** Expiration Date **N/A**

Signed C R Hanson Date 12-2, 19 95
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Providence of N. C. and employed by **HSBI and I Company of Hartford Connecticut** have inspected the components described in this Owner's Report during the period 11-4-95 to 12-2-95; and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

W. S. Chapman Commissions NC914
Inspector's Signature National Board, State, Providence and Endorsements

Date 12-2, 19 95

Form 401463 (2-95)

FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS
As Required By The Provisions Of The ASME Code Section XI

1. Owner **Duke Power Company**
   Address **526 S. Church Street, Charlotte, NC 28201-1006**

1a. Date 11-30-95

Sheet 1 of 1

2. Plant **Oconee Nuclear Station**
   Address **P.O. Box 1439, Seneca, S.C. 29679**

2a. Unit ☒ 1 ☐ 2 ☐ 3 ☐ Shared (specify Units_____)

3a. Work Order # 95024419
Repair Organization Job #

3. Work Performed By **Duke Power Company**
   Address **526 S. Church Street, Charlotte, NC 28201-1006**
   Type Code Symbol Stamp **N/A** Authorization No. **N/A** Expiration Date **N/A**

3b. NSM or MM # OE-744

4. Identification of System LP Class 2

5. (a) Applicable Construction Code ANSI B31.7 1968 Edition, 6/68 Addenda, NO Code Cases
   (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1989, No Addenda

6. Identification of Components Repaired or Replaced and Replacement Components

	Column 1	Column 2	Column 3	Column 4	Column 5	Col. 6	Column 7	Column 8
	Name of Component	**Name of Manufacturer**	**Manufacturer Serial Number**	**National Board Number**	**Other Identification**	**Year Built**	**Repaired, Replaced, or Replacement**	**ASME Code Stamped (yes or no)**
A	VLV. 1BS-5	CHAPMAN	01027-1-02-2	NA		NA	☐ Repaired ☒ Replaced ☐ Replacement	☒ No ☐ Yes
B	PIPING	DPC	NA	NA		7/73	☐ Repaired ☐ Replaced ☒ Replacement	☒ No ☐ Yes
C	Bolting	Texas Bolt	N/A	N/A		N/A	☐ Repaired ☐ Replaced ☒ Replacement	☒ No ☐ Yes
D	Bolting	A+G Eng.	N/A	N/A		N/A	☐ Repaired ☐ Replaced ☒ Replacement	☒ No ☐ Yes
E							☐ Repaired ☐ Replaced ☐ Replacement	☐ No ☐ Yes
F							☐ Repaired ☐ Replaced ☐ Replacement	☐ No ☐ Yes

Form 401463 (2-95)

Form NIS-2 (Back)

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

7. Description of Work DELETED VLV. 1BS-5 FROM SYS. & REPLACED WITH PIPE & FLANGES.

8. Test Conducted: ☐ Hydrostatic ☐ Pneumatic ☒ Nominal Operating Pressure ☐ Other ☐ Exempt

Pressure	_____ psig	Test Temp.	_____ °F
Pressure	_____ psig	Test Temp.	_____ °F
Pressure	_____ psig	Test Temp.	_____ °F

9. Remarks PERFORMED SYS. LEAKAGE TEST AT SYS. TEMP. AND PRESSURE AND NDE PER ASME CODE CASE N-416-1 IN LIEU OF HYDRO.

(Applicable Manufacturer's Data Records to be Attached)

CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this **repair or replacement** conforms to the rules of the ASME Code, Section XI.

Type Code Symbol Stamp **N/A**

Certificate of Authorization No. **N/A** Expiration Date **N/A**

Signed D S Mason Date 12-6, 1995
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Providence of N. C. and employed by **HSBI and I Company of Hartford Connecticut** have inspected the components described in this Owner's Report during the period 11-14-95 to 12-6-95; and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

W B Chapman Commissions NC914
Inspector's Signature National Board, State, Providence and Endorsements

Date 12-6, 1995

Form 401463 (2-95)

FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS
As Required By The Provisions Of The ASME Code Section XI

1. Owner **Duke Power Company**
   Address **526 S. Church Street, Charlotte, NC 28201-1006**

1a. Date 12-1-95

Sheet 1 of 1

2. Plant **Oconee Nuclear Station**
   Address **P.O. Box 1439, Seneca, S.C. 29679**

2a. Unit ☒ 1 ☐ 2 ☐ 3 ☐ Shared (specify Units_____)

3a. Work Order # 95077012
Repair Organization Job #

3. Work Performed By **Duke Power Company**
   Address **526 S. Church Street, Charlotte, NC 28201-1006**
   Type Code Symbol Stamp **N/A** Authorization No. **N/A** Expiration Date **N/A**

3b. NSM or MM # OE-8550

4. Identification of System HP Class 2

5. (a) Applicable Construction Code B31.7 19 68 Edition, 6-68 Addenda, NO Code Cases
   (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1989, No Addenda

6. Identification of Components Repaired or Replaced and Replacement Components

	Column 1	Column 2	Column 3	Column 4	Column 5	Col. 6	Column 7	Column 8
	Name of Component	**Name of Manufacturer**	**Manufacturer Serial Number**	**National Board Number**	**Other Identification**	**Year Built**	**Repaired, Replaced, or Replacement**	**ASME Code Stamped (yes or no)**
A	VALVE 1HP-427	BLN	955051-1-2	N/A	N/A	1995	☐ Repaired ☐ Replaced ☒ Replacement	☐ No ☒ Yes
B	VALVE 1HP-427	BORG WARNER	unAvailable	u/a	VAlve was 1" NPS	u/a	☐ Repaired ☒ Replaced ☐ Replacement	☐ No ☐ Yes
C							☐ Repaired ☐ Replaced ☐ Replacement	☐ No ☐ Yes
D							☐ Repaired ☐ Replaced ☐ Replacement	☐ No ☐ Yes
E							☐ Repaired ☐ Replaced ☐ Replacement	☐ No ☐ Yes
F							☐ Repaired ☐ Replaced ☐ Replacement	☐ No ☐ Yes

Form 401463 (2-95)

Form NIS-2 (Back)

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

7. Description of Work Replaced valve 1HP-427 with item no. DMV-1042

8. Test Conducted: ☐ Hydrostatic ☐ Pneumatic ☒ Nominal Operating Pressure ☐ Other ☐ Exempt

Pressure	_____ psig	Test Temp.	_____ °F
Pressure	_____ psig	Test Temp.	_____ °F
Pressure	_____ psig	Test Temp.	_____ °F

9. Remarks Performed SYS. leakage Test At SYS Temp and pressure and NDE Per ASME CODE CASE N-416-1 in lieu of hydro

(Applicable Manufacturer's Data Records to be Attached)

CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this **repair or replacement** conforms to the rules of the ASME Code, Section XI.

Type Code Symbol Stamp **N/A**

Certificate of Authorization No. **N/A** Expiration Date **N/A**

Signed J.S. Mason Date 12-7, 1995

Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Providence of N. C. and employed by **HSBI and I Company of Hartford Connecticut** have inspected the components described in this Owner's Report during the period 11-8-95 to 12-7-95; and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

M.B. Chapman Commissions NC914

Inspector's Signature National Board, State, Providence and Endorsements

Date 12-7, 1995

Form 401463 (2-95)

1

FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS
As Required By The Provisions Of The ASME Code Section XI

1a. Date 11-30-95

Sheet 1 of 2

1. Owner **Duke Power Company**
   Address **526 S. Church Street, Charlotte, NC 28201-1006**

2. Plant **Oconee Nuclear Station**
   Address **P.O. Box 1439, Seneca, S.C. 29679**

2a. Unit ☒ 1 ☐ 2 ☐ 3 ☐ Shared (specify Units _____)

3a. Work Order # 95024518
Repair Organization Job #

3. Work Performed By **Duke Power Company**
   Address **526 S. Church Street, Charlotte, NC 28201-1006**
   Type Code Symbol Stamp **N/A** Authorization No. **N/A** Expiration Date **N/A**

3b. NSM or MM # OE 7412

4. Identification of System LP Class 2

5. (a) Applicable Construction Code ANSI B31.7 1968 Edition, 6/68 Addenda, NO Code Cases
   (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1989, No Addenda

6. Identification of Components Repaired or Replaced and Replacement Components

	Column 1	Column 2	Column 3	Column 4	Column 5	Col. 6	Column 7	Column 8
	Name of Component	Name of Manufacturer	Manufacturer Serial Number	National Board Number	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (yes or no)
A	VLV. 1BS-6	CRANE	N/A	N/A		N/A	☐ Repaired ☒ Replaced ☐ Replacement	☒ No ☐ Yes
B	PIPING	DPC	N/A	N/A		7/73	☐ Repaired ☐ Replaced ☒ Replacement	☒ No ☐ Yes
C	Bolting	TEXAS BOLT	N/A	N/A	N/A	N/A	☐ Repaired ☐ Replaced ☒ Replacement	☒ No ☐ Yes
D	Bolting	A+G ENGINEERING	N/A	N/A	N/A	N/A	☐ Repaired ☐ Replaced ☒ Replacement	☒ No ☐ Yes
E							☐ Repaired ☐ Replaced ☐ Replacement	☐ No ☐ Yes
F							☐ Repaired ☐ Replaced ☐ Replacement	☐ No ☐ Yes

Form 401463 (2-95)

Form NIS-2 (Back)

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7. Description of Work MADE A CONFIGURATION CHANGE TO EXISTING SUPPORT BY (SEE REMARKS) SE

8. Test Conducted: ☐ Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☐ Other ☒ Exempt

Pressure _____ psig Test Temp. _____ °F

Pressure _____ psig Test Temp. _____ °F

Pressure _____ psig Test Temp. _____ °F

9. Remarks DELETING U-BOLT AND SADDLE AND INSTALLED NEW SUPPORT ROD.

(Applicable Manufacturer's Data Records to be Attached)

CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this **repair or replacement** conforms to the rules of the ASME Code, Section XI.

Type Code Symbol Stamp **N/A**

Certificate of Authorization No. **N/A** Expiration Date **N/A**

Signed W McClure Date 11/30, 1995
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Providence of N.C. and employed by **HSBI and I Company of Hartford Connecticut** have inspected the components described in this Owner's Report during the period 11-12-95 to 12-6-95; and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

Inspector's Signature Commissions NC914
National Board, State, Providence and Endorsements

Date 12-6, 1995

Form 401463 (2-95)

FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS
As Required By The Provisions Of The ASME Code Section XI

1a. Date 12-1-95

Sheet 1 of 2

1. Owner Address **Duke Power Company**
526 S. Church Street, Charlotte, NC 28201-1006

2. Plant Address **Oconee Nuclear Station**
P.O. Box 1439, Seneca, S.C. 29679

2a. Unit ☒ 1 ☐ 2 ☐ 3 ☐ Shared (specify Units _____)

3a. Work Order # 95038518
Repair Organization Job #

3. Work Performed By **Duke Power Company**
Address **526 S. Church Street, Charlotte, NC 28201-1006**
Type Code Symbol Stamp **N/A** Authorization No. **N/A** Expiration Date **N/A**

3b. ~~NSM~~ or MM # 8061

4. Identification of System MS Class 2

5. (a) Applicable Construction Code B31.1 1967 Edition, 7-67 Addenda, NO Code Cases
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1989, No Addenda

6. Identification of Components Repaired or Replaced and Replacement Components

	Column 1	Column 2	Column 3	Column 4	Column 5	Col. 6	Column 7	Column 8
	Name of Component	Name of Manufacturer	Manufacturer Serial Number	National Board Number	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (yes or no)
A	MECHANICAL SNUBBER ON S/R 1-01A-0-550-DE005	PACIFIC SCIENTIFIC	6576	N/A	DE005 (A)	N/A	☐ Repaired ☒ Replaced ☐ Replacement	☒ No ☐ Yes
B	HYDRAULIC SNUBBER ON S/R 1-01A-0-550-DE005	LISEGA	61314-62	N/A	DE005 (A)	N/A	☐ Repaired ☐ Replaced ☒ Replacement	☒ No ☐ Yes
C	MECHANICAL SNUBBER ON S/R 1-01A-0-550-DE005	PACIFIC SCIENTIFIC	3679	N/A	DE005 (A)	N/A	☐ Repaired ☐ Replaced ☒ Replacement	☒ No ☐ Yes
D	HYDRAULIC SNUBBER ON S/R 1-01A-0-550-DE005	LISEGA	61314-61	N/A	DE005 (B)	N/A	☐ Repaired ☒ Replaced ☐ Replacement	☒ No ☐ Yes
E	MECHANICAL SNUBBER ON S/R 1-01A-0-550-DE005	PACIFIC SCIENTIFIC	6596	N/A	DE005 (C)	N/A	☐ Repaired ☒ Replaced ☐ Replacement	☒ No ☐ Yes
F	HYDRAULIC SNUBBER ON S/R 1-01A-0-550-DE005	LISEGA	61314-63	N/A	DE005 (C)	N/A	☐ Repaired ☐ Replaced ☒ Replacement	☒ No ☐ Yes

Form 401463 (2-95)

Form NIS-2 (Back)

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

7. Description of Work Replaced (4) existing PS Snubbers with New Lisega Snubbers xs

8. Test Conducted: ☐ Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☒ Other ☐ Exempt

Pressure _____ psig Test Temp. _____ °F

Pressure _____ psig Test Temp. _____ °F

Pressure _____ psig Test Temp. _____ °F

9. Remarks Performed functional test per MP/0/A/3018/009A

(Applicable Manufacturer's Data Records to be Attached)

CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this **repair or replacement** conforms to the rules of the ASME Code, Section XI.

Type Code Symbol Stamp **N/A**

Certificate of Authorization No. **N/A** Expiration Date **N/A**

Signed C R Hansen Date 12-1, 19 95
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Providence of N.C and employed by **HSBI and I Company of Hartford Connecticut** have inspected the components described in this Owner's Report during the period 11-21-95 to 12-1-95; and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

J. B. Chapman Commissions NB 914
Inspector's Signature National Board, State, Providence and Endorsements

Date 12-1, 1995

Form 401463 (2-95)

FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS
As Required By The Provisions Of The ASME Code Section XI

1. Owner **Duke Power Company**
   Address **526 S. Church Street, Charlotte, NC 28201-1006**

1a. Date 11/30/95

Sheet 1 of 1

2. Plant **Oconee Nuclear Station**
   Address **P.O. Box 1439, Seneca, S.C. 29679**

2a. Unit ☒ 1 ☐ 2 ☐ 3 ☐ Shared (specify Units_____)

3a. Work Order # 95038508-01
Repair Organization Job #

3. Work Performed By **Duke Power Company**
   Address **526 S. Church Street, Charlotte, NC 28201-1006**
   Type Code Symbol Stamp **N/A** Authorization No. **N/A** Expiration Date **N/A**

3b. ~~NSM~~ or MM # 8056

4. Identification of System MS Class B

5. (a) Applicable Construction Code B31.1 1967 Edition, 7 Addenda, —— Code Cases
   (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1989, No Addenda

6. Identification of Components Repaired or Replaced and Replacement Components

	Column 1	Column 2	Column 3	Column 4	Column 5	Col. 6	Column 7	Column 8
	Name of Component	**Name of Manufacturer**	**Manufacturer Serial Number**	**National Board Number**	**Other Identification**	**Year Built**	**Repaired, Replaced, or Replacement**	**ASME Code Stamped (yes or no)**
A	MECHANICAL SNUBBER ON S/R 1-01A-0-441-DE001	PACIFIC SCIENTIFIC	4648	N/A	N/A	N/A	☐ Repaired ☒ Replaced ☐ Replacement	☒ No ☐ Yes
B	HYDRAULIC SNUBBER ON S/R 1-01A-0-441-DE001	LISEGA	61306-58	N/A	N/A	N/A	☐ Repaired ☐ Replaced ☒ Replacement	☒ No ☐ Yes
C							☐ Repaired ☐ Replaced ☐ Replacement	☐ No ☐ Yes
D							☐ Repaired ☐ Replaced ☐ Replacement	☐ No ☐ Yes
E							☐ Repaired ☐ Replaced ☐ Replacement	☐ No ☐ Yes
F							☐ Repaired ☐ Replaced ☐ Replacement	☐ No ☐ Yes

Form 401463 (2-95)

Form NIS-2 (Back)

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

7. Description of Work REPLACED EXISTING PACIFIC SCIENTIFIC SNUBBER WITH NEW LISEGA SNUBBER

8. Test Conducted: ☐ Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☒ Other ☐ Exempt

Pressure _____ psig Test Temp. _____ °F

Pressure _____ psig Test Temp. _____ °F

Pressure _____ psig Test Temp. _____ °F

9. Remarks PERFORMED FUNCTIONAL TEST PER M/P/O/A/3018/009A

(Applicable Manufacturer's Data Records to be Attached)

CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this **repair or replacement** conforms to the rules of the ASME Code, Section XI.

Type Code Symbol Stamp **N/A**

Certificate of Authorization No. **N/A** Expiration Date **N/A**

Signed W M C Clure Date 11/30, 1995
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Providence of N. C. and employed by **HSBI and I Company of Hartford Connecticut** have inspected the components described in this Owner's Report during the period 11-21-95 to 12-1-95; and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

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

Date 12-1, 1995

Form 401463 (2-95)

FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS
As Required By The Provisions Of The ASME Code Section XI

1a. Date 12-1-95

Sheet 1 of 2

1. Owner Address **Duke Power Company**
526 S. Church Street, Charlotte, NC 28201-1006

2. Plant Address **Oconee Nuclear Station**
P.O. Box 1439, Seneca, S.C. 29679

2a. Unit ☒ 1 ☐ 2 ☐ 3 ☐ Shared (specify Units _____)

3a. Work Order # 95038521-01
Repair Organization Job #

3. Work Performed By **Duke Power Company**
Address **526 S. Church Street, Charlotte, NC 28201-1006**
Type Code Symbol Stamp **N/A** Authorization No. **N/A** Expiration Date **N/A**

3b. ~~N8M~~ or MM # 8062

4. Identification of System MS Class B

5. (a) Applicable Construction Code B31.1 1967 Edition, 7-67 Addenda, NO Code Cases
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1989, No Addenda

6. Identification of Components Repaired or Replaced and Replacement Components

	Column 1	Column 2	Column 3	Column 4	Column 5	Col. 6	Column 7	Column 8
	Name of Component	Name of Manufacturer	Manufacturer Serial Number	National Board Number	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (yes or no)
A	Mechanical Snubber on S/R 1-01A-0-550-DE006	PACIFIC SCIENTIFIC	6593	N/A	DE006 (A)	N/A	☐ Repaired ☒ Replaced ☐ Replacement	☒ No ☐ Yes
B	Hydraulic Snubber on S/R 1-01A-0-550-DE006	LISEGA	61297-02	N/A	DE006 (A)	N/A	☐ Repaired ☐ Replaced ☒ Replacement	☒ No ☐ Yes
C	Mechanical Snubber on S/R 1-01A-0-550-DE006	PACIFIC SCIENTIFIC	~~61297~~ CRH 3909	N/A	DE006 (B)		☐ Repaired ☒ Replaced ☐ Replacement	☒ No ☐ Yes
D	Hydraulic Snubber on S/R 1-01A-0-550-DE006	LISEGA	61297-03	N/A	DE006 (B)		☐ Repaired ☐ Replaced ☒ Replacement	☒ No ☐ Yes
E	Mechanical Snubber on S/R 1-01A-0-550-DE006	PACIFIC SCIENTIFIC	6199	N/A	DE006 (C)		☐ Repaired ☒ Replaced ☐ Replacement	☒ No ☐ Yes
F	Hydraulic Snubber on S/R 1-01A-0-550-DE006	LISEGA	61290-51	N/A	DE006 (C)		☐ Repaired ☐ Replaced ☒ Replacement	☒ No ☐ Yes

Form 401463 (2-95)

Form NIS-2 (Back)

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

7. Description of Work Replaced (4) existing PS Snubbers with New LiseGa Snubbers ;

8. Test Conducted: ☐ Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☒ Other ☐ Exempt

Pressure _____ psig Test Temp. _____ °F

Pressure _____ psig Test Temp. _____ °F

Pressure _____ psig Test Temp. _____ °F

9. Remarks Performed Functional Test per MP/0/A/3018/009A

(Applicable Manufacturer's Data Records to be Attached)

CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this **repair or replacement** conforms to the rules of the ASME Code, Section XI.

Type Code Symbol Stamp **N/A**

Certificate of Authorization No. **N/A** Expiration Date **N/A**

Signed C R Hinson Date 12-1, 1995
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Providence of N.C. and employed by **HSBI and I Company of Hartford Connecticut** have inspected the components described in this Owner's Report during the period 11-21-95 to 12-1-95; and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

W B Chapman Commissions NC914
Inspector's Signature National Board, State, Providence and Endorsements

Date 12-1, 1995

Form 401463 (2-95)

FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS
As Required By The Provisions Of The ASME Code Section XI

1. Owner **Duke Power Company**
   Address **526 S. Church Street, Charlotte, NC 28201-1006**

1a. Date 1-15-96

Sheet 1 of 1

2. Plant **Oconee Nuclear Station**
   Address **P.O. Box 1439, Seneca, S.C. 29679**

2a. Unit ☒ 1 ☐ 2 ☐ 3 ☐ Shared (specify Units_____)

3a. Work Order # 95086652
Repair Organization Job #

3. Work Performed By **Duke Power Company**
   Address **526 S. Church Street, Charlotte, NC 28201-1006**
   Type Code Symbol Stamp **N/A** Authorization No. **N/A** Expiration Date **N/A**

3b. NSM or MM # 8555

4. Identification of System 51A Class B

5. (a) Applicable Construction Code ANSI B31.7 1968 Edition, 6/68 Addenda, _____ Code Cases
   (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1989, No Addenda

6. Identification of Components Repaired or Replaced and Replacement Components

	Column 1	Column 2	Column 3	Column 4	Column 5	Col. 6	Column 7	Column 8
	Name of Component	**Name of Manufacturer**	**Manufacturer Serial Number**	**National Board Number**	**Other Identification**	**Year Built**	**Repaired, Replaced, or Replacement**	**ASME Code Stamped (yes or no)**
A	1A LETDOWN COOLER	GRAHAM MFG. CO.	34097-1	*		*	☐ Repaired ☒ Replaced ☐ Replacement	☐ No ☒ Yes
B	1A LETDOWN COOLER	GRAHAM MFG. CO.	95-18792-1	23288		1995	☐ Repaired ☐ Replaced ☒ Replacement	☐ No ☐ Yes
C		* INFORMATION NOT LEGIBLE					☐ Repaired ☐ Replaced ☐ Replacement	☐ No ☐ Yes
D							☐ Repaired ☐ Replaced ☐ Replacement	☐ No ☐ Yes
E							☐ Repaired ☐ Replaced ☐ Replacement	☐ No ☐ Yes
F							☐ Repaired ☐ Replaced ☐ Replacement	☐ No ☐ Yes

Form 401463 (2-95)

Form NIS-2 (Back)

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

7. Description of Work REPLACED 1A LETDOWN COOLER.

8. Test Conducted: ☐ Hydrostatic ☐ Pneumatic ☒ Nominal Operating Pressure ☐ Other ☐ Exempt

Pressure _____ psig Test Temp. _____ °F

Pressure _____ psig Test Temp. _____ °F

Pressure _____ psig Test Temp. _____ °F

9. Remarks PERFORMED SYS. LEAKAGE TEST AT SYS. TEMP. & PRESSURE & NDE PER ASME CODE CASE N-416-1 IN LIEU OF HYDRO.

(Applicable Manufacturer's Data Records to be Attached)

CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this **repair or replacement** conforms to the rules of the ASME Code, Section XI.

Type Code Symbol Stamp **N/A**

Certificate of Authorization No. **N/A** Expiration Date **N/A**

Signed L. L. Blankenship Date 1-15, 19 96

Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Providence of N.C. and employed by **HSBI and I Company of Hartford Connecticut** have inspected the components described in this Owner's Report during the period 11-14-95 to 1-15-96; and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

Inspector's Signature Commissions NC914

National Board, State, Providence and Endorsements

Date 1-15, 19 96

Form 401463 (2-95)

FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS
As Required By The Provisions Of The ASME Code Section XI

1. Owner **Duke Power Company**
   Address **526 S. Church Street, Charlotte, NC 28201-1006**

1a. Date 11-30-95

Sheet 1 of 1

2. Plant **Oconee Nuclear Station**
   Address **P.O. Box 1439, Seneca, S.C. 29679**

2a. Unit ☒ 1 ☐ 2 ☐ 3 ☐ Shared (specify Units_____)

3a. Work Order # 95071686-07
Repair Organization Job #

3. Work Performed By **Duke Power Company**
   Address **526 S. Church Street, Charlotte, NC 28201-1006**
   Type Code Symbol Stamp **N/A** Authorization No. **N/A** Expiration Date **N/A**

3b. NSM or MM # NA

4. Identification of System LP Class 2

5. (a) Applicable Construction Code ANSI B31.7 1968 Edition, 6/68 Addenda, _____ Code Cases
   (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1989, No Addenda

6. Identification of Components Repaired or Replaced and Replacement Components

	Column 1	Column 2	Column 3	Column 4	Column 5	Col. 6	Column 7	Column 8
	Name of Component	**Name of Manufacturer**	**Manufacturer Serial Number**	**National Board Number**	**Other Identification**	**Year Built**	**Repaired, Replaced, or Replacement**	**ASME Code Stamped (yes or no)**
A	PIPING	DPC	NA	NA		7/73	☒ Repaired ☐ Replaced ☐ Replacement	☒ No ☐ Yes
B							☐ Repaired ☐ Replaced ☐ Replacement	☐ No ☐ Yes
C							☐ Repaired ☐ Replaced ☐ Replacement	☐ No ☐ Yes
D							☐ Repaired ☐ Replaced ☐ Replacement	☐ No ☐ Yes
E							☐ Repaired ☐ Replaced ☐ Replacement	☐ No ☐ Yes
F							☐ Repaired ☐ Replaced ☐ Replacement	☐ No ☐ Yes

Form 401463 (2-95)

Form NIS-2 (Back)

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

7. Description of Work MADE WELD REPAIR TO WELD 1-LP-4-36 DUE TO BEING REJECTED ON RT.

8. Test Conducted: ☐ Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☐ Other ☐ Exempt

Pressure _____ psig Test Temp. _____ °F

Pressure _____ psig Test Temp. _____ °F

Pressure _____ psig Test Temp. _____ °F

9. Remarks PERFORMED SYS. LEAKAGE TEST AT SYS. TEMP. AND PRESSURE & NDE PER CODE CASE N416-1 OF ASME IN LIEU OF HYDRO.

(Applicable Manufacturer's Data Records to be Attached)

CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this **repair or replacement** conforms to the rules of the ASME Code, Section XI.

Type Code Symbol Stamp **N/A**

Certificate of Authorization No. **N/A** Expiration Date **N/A**

Signed D. L. Blubaugh Date 1-4, 1996
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Providence of N. C. and employed by **HSBI and I Company of Hartford Connecticut** have inspected the components described in this Owner's Report during the period 11-11-95 to 1-4-96; and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

W B Chapman Commissions NC 914
Inspector's Signature National Board, State, Providence and Endorsements

Date 1-4, 1996

Form 401463 (2-95)

FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS
As Required By The Provisions Of The ASME Code Section XI

1. Owner **Duke Power Company**
   Address **526 S. Church Street, Charlotte, NC 28201-1006**

1a. Date 12-11-95

Sheet 1 of 1

2. Plant **Oconee Nuclear Station**
   Address **P.O. Box 1439, Seneca, S.C. 29679**

2a. Unit ☒ 1 ☐ 2 ☐ 3 ☐ Shared (specify Units_____)

3a. Work Order # 95061776
Repair Organization Job #

3. Work Performed By **Duke Power Company**
   Address **526 S. Church Street, Charlotte, NC 28201-1006**
   Type Code Symbol Stamp **N/A** Authorization No. **N/A** Expiration Date **N/A**

3b. NSM or MM # ——

4. Identification of System RC Class 1

5. (a) Applicable Construction Code B31.7 1968 Edition, 6-68 Addenda, —— Code Cases
   (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1989, No Addenda

6. Identification of Components Repaired or Replaced and Replacement Components

	Column 1	Column 2	Column 3	Column 4	Column 5	Col. 6	Column 7	Column 8
	Name of Component	**Name of Manufacturer**	**Manufacturer Serial Number**	**National Board Number**	**Other Identification**	**Year Built**	**Repaired, Replaced, or Replacement**	**ASME Code Stamped (yes or no)**
A	Valve	Dresser	BL08895	N/A		N/A	☐ Repaired ☒ Replaced ☐ Replacement	☐ No ☒ Yes
B	Valve	Dresser	BT04975	N/A		1979	☐ Repaired ☐ Replaced ☒ Replacement	☐ No ☒ Yes
C							☐ Repaired ☐ Replaced ☐ Replacement	☐ No ☐ Yes
D							☐ Repaired ☐ Replaced ☐ Replacement	☐ No ☐ Yes
E							☐ Repaired ☐ Replaced ☐ Replacement	☐ No ☐ Yes
F							☐ Repaired ☐ Replaced ☐ Replacement	☐ No ☐ Yes

Form 401463 (2-95)

Form NIS-2 (Back)

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

7. Description of Work Replaced valve 1RC-68

8. Test Conducted: ☐ Hydrostatic ☐ Pneumatic ☒ Nominal Operating Pressure ☐ Other ☐ Exempt

Pressure 2200 psig Test Temp. _____ °F

Pressure _____ psig Test Temp. _____ °F

Pressure _____ psig Test Temp. _____ °F

9. Remarks _____

(Applicable Manufacturer's Data Records to be Attached)

CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this **repair or replacement** conforms to the rules of the ASME Code, Section XI.

Type Code Symbol Stamp **N/A**

Certificate of Authorization No. **N/A** Expiration Date **N/A**

Signed C.S. Mason Date 1-3, 1996

Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Providence of N.C. and employed by **HSBI and I Company of Hartford Connecticut** have inspected the components described in this Owner's Report during the period 11-26-95 to 1-4-96; and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

M S Chapman Commissions NC914

Inspector's Signature National Board, State, Providence and Endorsements

Date 1-4, 1996

Form 401463 (2-95)

FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS
As Required By The Provisions Of The ASME Code Section XI

1. Owner **Duke Power Company**
   Address **526 S. Church Street, Charlotte, NC 28201-1006**

1a. Date 12-11-95

Sheet 1 of 1

2. Plant **Oconee Nuclear Station**
   Address **P.O. Box 1439, Seneca, S.C. 29679**

2a. Unit ☒ 1 ☐ 2 ☐ 3 ☐ Shared (specify Units_____)

3a. Work Order # 95061774
Repair Organization Job #

3. Work Performed By **Duke Power Company**
   Address **526 S. Church Street, Charlotte, NC 28201-1006**
   Type Code Symbol Stamp **N/A** Authorization No. **N/A** Expiration Date **N/A**

3b. NSM or MM # —

4. Identification of System RC Class 1

5. (a) Applicable Construction Code B31.7 1968 Edition, 6-68 Addenda, — Code Cases
   (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1989, No Addenda

6. Identification of Components Repaired or Replaced and Replacement Components

	Column 1	Column 2	Column 3	Column 4	Column 5	Col. 6	Column 7	Column 8
	Name of Component	**Name of Manufacturer**	**Manufacturer Serial Number**	**National Board Number**	**Other Identification**	**Year Built**	**Repaired, Replaced, or Replacement**	**ASME Code Stamped (yes or no)**
A	Valve	Dresser	BL-8891	N/A		1970	☐ Repaired ☒ Replaced ☐ Replacement	☐ No ☒ Yes
B	Valve	Dresser	BL 8889	N/A		N/A	☐ Repaired ☐ Replaced ☒ Replacement	☐ No ☒ Yes
C							☐ Repaired ☐ Replaced ☐ Replacement	☐ No ☐ Yes
D							☐ Repaired ☐ Replaced ☐ Replacement	☐ No ☐ Yes
E							☐ Repaired ☐ Replaced ☐ Replacement	☐ No ☐ Yes
F							☐ Repaired ☐ Replaced ☐ Replacement	☐ No ☐ Yes

Form 401463 (2-95)

Form NIS-2 (Back)

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

7. Description of Work Replaced valve 1RC-67

8. Test Conducted: ☐ Hydrostatic ☐ Pneumatic ☒ Nominal Operating Pressure ☐ Other ☐ Exempt

Pressure	2200 psig	Test Temp.	°F
Pressure	psig	Test Temp.	°F
Pressure	psig	Test Temp.	°F

9. Remarks

(Applicable Manufacturer's Data Records to be Attached)

CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this **repair or replacement** conforms to the rules of the ASME Code, Section XI.

Type Code Symbol Stamp **N/A**

Certificate of Authorization No. **N/A** Expiration Date **N/A**

Signed J S Mason Date 1-3, 1996
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Providence of N.C and employed by **HSBI and I Company of Hartford Connecticut** have inspected the components described in this Owner's Report during the period 11-24-95 to 1-4-96; and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

[signature] Commissions NC914
Inspector's Signature National Board, State, Providence and Endorsements

Date 1-4, 1996

Form 401463 (2-95)

FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS
As Required By The Provisions Of The ASME Code Section XI

1. Owner **Duke Power Company**
   Address **526 S. Church Street, Charlotte, NC 28201-1006**

1a. Date 11-29-95

Sheet 1 of 1

2. Plant **Oconee Nuclear Station**
   Address **P.O. Box 1439, Seneca, S.C. 29679**

2a. Unit ☒ 1 ☐ 2 ☐ 3 ☐ Shared (specify Units_____)

3a. Work Order # 95059750-06
Repair Organization Job #

3. Work Performed By **Duke Power Company**
   Address **526 S. Church Street, Charlotte, NC 28201-1006**
   Type Code Symbol Stamp **N/A** Authorization No. **N/A** Expiration Date **N/A**

3b. NSM or MM # N/A

4. Identification of System FDW Class 2

5. (a) Applicable Construction Code B31.1 19 67 Edition, 7-67 Addenda, NO Code Cases
   (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1989, No Addenda

6. Identification of Components Repaired or Replaced and Replacement Components

	Column 1	Column 2	Column 3	Column 4	Column 5	Col. 6	Column 7	Column 8
	Name of Component	**Name of Manufacturer**	**Manufacturer Serial Number**	**National Board Number**	**Other Identification**	**Year Built**	**Repaired, Replaced, or Replacement**	**ASME Code Stamped (yes or no)**
A	Bolting	N/A	N/A	N/A	N/A	N/A	☐ Repaired ☒ Replaced ☐ Replacement	☒ No ☐ Yes
B	Bolting	A+G Engineering	N/A	N/A	N/A	N/A	☐ Repaired ☐ Replaced ☒ Replacement	☒ No ☐ Yes
C	Bolting	Texas Bolt	N/A	N/A	N/A	N/A	☐ Repaired ☐ Replaced ☒ Replacement	☒ No ☐ Yes
D							☐ Repaired ☐ Replaced ☐ Replacement	☐ No ☐ Yes
E							☐ Repaired ☐ Replaced ☐ Replacement	☐ No ☐ Yes
F							☐ Repaired ☐ Replaced ☐ Replacement	☐ No ☐ Yes

Form 401463 (2-95)

Form NIS-2 (Back)

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7. Description of Work Replaced bolting MAIN Feedwater NOZZLE A016

8. Test Conducted: ☐ Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☐ Other ☒ Exempt

Pressure _____ psig Test Temp. _____ °F

Pressure _____ psig Test Temp. _____ °F

Pressure _____ psig Test Temp. _____ °F

9. Remarks _____

(Applicable Manufacturer's Data Records to be Attached)

CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this **repair or replacement** conforms to the rules of the ASME Code, Section XI.

Type Code Symbol Stamp **N/A**

Certificate of Authorization No. **N/A** Expiration Date **N/A**

Signed Charles R Hansen QA Specialist Date 11-29, 19 95
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Providence of N.C. and employed by **HSBI and I Company of Hartford Connecticut** have inspected the components described in this Owner's Report during the period 11-11-95 to 11-29-95; and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

J.C. Chapman Commissions NC914
Inspector's Signature National Board, State, Providence and Endorsements

Date 11-29, 1995

Form 401463 (2-95)

FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS
As Required By The Provisions Of The ASME Code Section XI

1. Owner **Duke Power Company**
   Address **526 S. Church Street, Charlotte, NC 28201-1006**

1a. Date 9/12/95

Sheet 1 of 1

2. Plant **Oconee Nuclear Station**
   Address **P.O. Box 1439, Seneca, S.C. 29679**

2a. Unit ☒ 1 ☐ 2 ☐ 3 ☐ Shared (specify Units_____)

3a. Work Order # 95054810-01
Repair Organization Job #

3. Work Performed By **Duke Power Company**
   Address **526 S. Church Street, Charlotte, NC 28201-1006**
   Type Code Symbol Stamp **N/A** Authorization No. **N/A** Expiration Date **N/A**

3b. NSM or MM # N/A

4. Identification of System O1A (MS) Class B

5. (a) Applicable Construction Code ANSI B31.1 1967 Edition, 7 Addenda, N/A Code Cases
   (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1989, No Addenda

6. Identification of Components Repaired or Replaced and Replacement Components

	Column 1	Column 2	Column 3	Column 4	Column 5	Col. 6	Column 7	Column 8
	Name of Component	**Name of Manufacturer**	**Manufacturer Serial Number**	**National Board Number**	**Other Identification**	**Year Built**	**Repaired, Replaced, or Replacement**	**ASME Code Stamped (yes or no)**
A	SNUBBER ON HANGER 1-01A-1-1-0-401A-H44	ITT GRINNELL	32920	N/A	N/A	N/A	☐ Repaired ☐ Replaced ☒ Replacement	☒ No ☐ Yes
B	SNUBBER ON HANGER 1-01AH1-0-401A-H44	ITT GRINNELL	10368	N/A	N/A	N/A	☐ Repaired ☒ Replaced ☐ Replacement	☒ No ☐ Yes
C							☐ Repaired ☐ Replaced ☐ Replacement	☐ No ☐ Yes
D							☐ Repaired ☐ Replaced ☐ Replacement	☐ No ☐ Yes
E							☐ Repaired ☐ Replaced ☐ Replacement	☐ No ☐ Yes
F							☐ Repaired ☐ Replaced ☐ Replacement	☐ No ☐ Yes

Form 401463 (2-95)

Form NIS-2 (Back)

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7. Description of Work REMOVED/REPLACED SNUBBER S/N 10368 WITH NEW SNUBBER S/N 32920

8. Test Conducted: ☐ Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☒ Other ☐ Exempt

Pressure _____ psig Test Temp. _____ °F

Pressure _____ psig Test Temp. _____ °F

Pressure _____ psig Test Temp. _____ °F

9. Remarks PERFORMED FUNCTIONAL VERIFICATION PER MP/0/A/3018/009A

(Applicable Manufacturer's Data Records to be Attached)

CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this **repair or replacement** conforms to the rules of the ASME Code, Section XI.

Type Code Symbol Stamp **N/A**

Certificate of Authorization No. **N/A** Expiration Date **N/A**

Signed W M C Clere Date 9/12, 19 95
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Providence of N. C. and employed by **HSBI and I Company of Hartford Connecticut** have inspected the components described in this Owner's Report during the period 8-14-95 to 9-12-95; and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

M B Chapman Commissions NC 914
Inspector's Signature National Board, State, Providence and Endorsements

Date 9-12, 1995

Form 401463 (2-95)

FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS
As Required By The Provisions Of The ASME Code Section XI

1. Owner **Duke Power Company**
   Address **526 S. Church Street, Charlotte, NC 28201-1006**

1a. Date 9/12/95

Sheet 1 of 1

2. Plant **Oconee Nuclear Station**
   Address **P.O. Box 1439, Seneca, S.C. 29679**

2a. Unit ☒ 1 ☐ 2 ☐ 3 ☐ Shared (specify Units_____)

3a. Work Order # 95054809-01
Repair Organization Job #

3. Work Performed By **Duke Power Company**
   Address **526 S. Church Street, Charlotte, NC 28201-1006**
   Type Code Symbol Stamp **N/A** Authorization No. **N/A** Expiration Date **N/A**

3b. NSM or MM # N/A

4. Identification of System O1A Class B

5. (a) Applicable Construction Code ANSI B31-1 w'm 1967 Edition, 7 Addenda, N/A Code Cases
   (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1989, No Addenda

6. Identification of Components Repaired or Replaced and Replacement Components

	Column 1	Column 2	Column 3	Column 4	Column 5	Col. 6	Column 7	Column 8
	Name of Component	Name of Manufacturer	Manufacturer Serial Number	National Board Number	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (yes or no)
A	SNUBBER ON HANGER 1-01A-3-0-401A-RS	ITT GRINNELL	18601	N/A	N/A	N/A	☐ Repaired ☐ Replaced ☒ Replacement	☒ No ☐ Yes
B	SNUBBER ON HANGER 1-01A-3-0-401A-RS	ITT GRINNELL	30223	N/A	N/A	N/A	☐ Repaired ☒ Replaced ☐ Replacement	☒ No ☐ Yes
C							☐ Repaired ☐ Replaced ☐ Replacement	☐ No ☐ Yes
D							☐ Repaired ☐ Replaced ☐ Replacement	☐ No ☐ Yes
E							☐ Repaired ☐ Replaced ☐ Replacement	☐ No ☐ Yes
F							☐ Repaired ☐ Replaced ☐ Replacement	☐ No ☐ Yes

Form 401463 (2-95)

Form NIS-2 (Back)

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7. Description of Work REMOVED/REPLACED EXISTING SNUBBER WITH SNUBBER S/N 30223 S/N # 18601

8. Test Conducted: ☐ Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☒ Other ☐ Exempt

Pressure _____ psig Test Temp. _____ °F

Pressure _____ psig Test Temp. _____ °F

Pressure _____ psig Test Temp. _____ °F

9. Remarks PERFORMED FUNCTIONAL TEST PER MP/0/A/3018/009A.

(Applicable Manufacturer's Data Records to be Attached)

CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this **repair or replacement** conforms to the rules of the ASME Code, Section XI.

Type Code Symbol Stamp **N/A**

Certificate of Authorization No. **N/A** Expiration Date **N/A**

Signed W M McClure Date 9/12, 1995
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Providence of NC and employed by **HSBI and I Company of Hartford Connecticut** have inspected the components described in this Owner's Report during the period 8-14-95 to 9-12-95; and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

M R C Chapman Commissions NC 914
Inspector's Signature National Board, State, Providence and Endorsements

Date 9-12, 1995

Form 401463 (2-95)

FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS
As Required By The Provisions Of The ASME Code Section XI

1. Owner **Duke Power Company**
   Address **526 S. Church Street, Charlotte, NC 28201-1006**

1a. Date 11/30/95

Sheet 1 of 1

2. Plant **Oconee Nuclear Station**
   Address **P.O. Box 1439, Seneca, S.C. 29679**

2a. Unit ☒ 1 ☐ 2 ☐ 3 ☐ Shared (specify Units_____)

3a. Work Order # 95038522-01
Repair Organization Job #

3. Work Performed By **Duke Power Company**
   Address **526 S. Church Street, Charlotte, NC 28201-1006**
   Type Code Symbol Stamp **N/A** Authorization No. **N/A** Expiration Date **N/A**

3b. ~~NSM~~ or MM # 8063

4. Identification of System MS Class B

5. (a) Applicable Construction Code B31.1 1967 Edition, 7 Addenda, ✓ Code Cases
   (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1989, No Addenda

6. Identification of Components Repaired or Replaced and Replacement Components

	Column 1	Column 2	Column 3	Column 4	Column 5	Col. 6	Column 7	Column 8
	Name of Component	**Name of Manufacturer**	**Manufacturer Serial Number**	**National Board Number**	**Other Identification**	**Year Built**	**Repaired, Replaced, or Replacement**	**ASME Code Stamped (yes or no)**
A	MECHANICAL SNUBBER ON S/R 1-01A-0-550-R7	PACIFIC SCIENTIFIC	5701	N/A	N/A	N/A	☐ Repaired ☒ Replaced ☐ Replacement	☒ No ☐ Yes
B	MECHANICAL SNUBBER ON S/R 1-01A-0-550-R7	LISEGA	61316-72	N/A	N/A	N/A	☐ Repaired ☐ Replaced ☒ Replacement	☒ No ☐ Yes
C							☐ Repaired ☐ Replaced ☐ Replacement	☐ No ☐ Yes
D							☐ Repaired ☐ Replaced ☐ Replacement	☐ No ☐ Yes
E							☐ Repaired ☐ Replaced ☐ Replacement	☐ No ☐ Yes
F							☐ Repaired ☐ Replaced ☐ Replacement	☐ No ☐ Yes

Form 401463 (2-95)

Form NIS-2 (Back)

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

7. Description of Work REPLACED EXISTING PACIFIC SCIENTIFIC SNUBBER WITH NEW LISEGA SNUBBER.

8. Test Conducted: ☐ Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☒ Other ☐ Exempt

Pressure _____ psig Test Temp. _____ °F

Pressure _____ psig Test Temp. _____ °F

Pressure _____ psig Test Temp. _____ °F

9. Remarks PERFORMED FUNCTIONAL TEST PER MP/0/A/3018/009A

(Applicable Manufacturer's Data Records to be Attached)

CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this **repair or replacement** conforms to the rules of the ASME Code, Section XI.

Type Code Symbol Stamp **N/A**

Certificate of Authorization No. **N/A** Expiration Date **N/A**

Signed W T McClure Date 11/30, 1995
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Providence of N.C. and employed by **HSBI and I Company of Hartford Connecticut** have inspected the components described in this Owner's Report during the period 11-21-95 to 12-1-95; and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

J M S Chapman Commissions NC914
Inspector's Signature National Board, State, Providence and Endorsements

Date 12-1, 1995

Form 401463 (2-95)

FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS
As Required By The Provisions Of The ASME Code Section XI

1. Owner **Duke Power Company**
   Address **526 S. Church Street, Charlotte, NC 28201-1006**

1a. Date 11/30/95

Sheet 1 of 1

2. Plant **Oconee Nuclear Station**
   Address **P.O. Box 1439, Seneca, S.C. 29679**

2a. Unit [X] 1 [ ] 2 [ ] 3 [ ] Shared (specify Units_____)

3a. Work Order # 95038516-01
Repair Organization Job #

3. Work Performed By **Duke Power Company**
   Address **526 S. Church Street, Charlotte, NC 28201-1006**
   Type Code Symbol Stamp **N/A** Authorization No. **N/A** Expiration Date **N/A**

3b. ~~NSM~~ or MM # 8058

4. Identification of System MS Class B

5. (a) Applicable Construction Code B31.1 19 67 Edition, 7 Addenda, ——— Code Cases
   (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1989, No Addenda

6. Identification of Components Repaired or Replaced and Replacement Components

	Column 1	Column 2	Column 3	Column 4	Column 5	Col. 6	Column 7	Column 8
	Name of Component	**Name of Manufacturer**	**Manufacturer Serial Number**	**National Board Number**	**Other Identification**	**Year Built**	**Repaired, Replaced, or Replacement**	**ASME Code Stamped (yes or no)**
A	MECHANICAL SNUBBER ON S/R 1-01A-0-441-DE002	PACIFIC SCIENTIFIC	25185	N/A	N/A	N/A	[ ] Repaired [X] Replaced [ ] Replacement	[X] No [ ] Yes
B	HYDRAULIC SNUBBER ON S/R 1-01A-0-441-DE002	LISEGA	61306-57	N/A	N/A	N/A	[ ] Repaired [ ] Replaced [X] Replacement	[X] No [ ] Yes
C							[ ] Repaired [ ] Replaced [ ] Replacement	[ ] No [ ] Yes
D							[ ] Repaired [ ] Replaced [ ] Replacement	[ ] No [ ] Yes
E							[ ] Repaired [ ] Replaced [ ] Replacement	[ ] No [ ] Yes
F							[ ] Repaired [ ] Replaced [ ] Replacement	[ ] No [ ] Yes

Form 401463 (2-95)

Form NIS-2 (Back)

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

7. Description of Work REPLACED EXISTING PACIFIC SCIENTIFIC SNUBBER WITH NEW LISEGA SNUBBER

8. Test Conducted: ☐ Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☒ Other ☐ Exempt

Pressure _____ psig Test Temp. _____ °F

Pressure _____ psig Test Temp. _____ °F

Pressure _____ psig Test Temp. _____ °F

9. Remarks PERFORMED FUNCTIONAL TEST PER MP/0/A/3018/009A

(Applicable Manufacturer's Data Records to be Attached)

CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this **repair or replacement** conforms to the rules of the ASME Code, Section XI.

Type Code Symbol Stamp **N/A**

Certificate of Authorization No. **N/A** Expiration Date **N/A**

Signed _____ Date 11/30, 19 95
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Providence of N. C. and employed by **HSBI and I Company of Hartford Connecticut** have inspected the components described in this Owner's Report during the period 11-21-95 to 12-1-95; and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

_____ Commissions NC 914
Inspector's Signature National Board, State, Providence and Endorsements

Date 12-1, 1995

Form 401463 (2-95)

FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS
As Required By The Provisions Of The ASME Code Section XI

1. Owner **Duke Power Company**
   Address **526 S. Church Street, Charlotte, NC 28201-1006**

1a. Date 11-30-95

Sheet 1 of 1

2. Plant **Oconee Nuclear Station**
   Address **P.O. Box 1439, Seneca, S.C. 29679**

2a. Unit ☒ 1 ☐ 2 ☐ 3 ☐ Shared (specify Units_____)

3a. Work Order # 95028305
Repair Organization Job #

3. Work Performed By **Duke Power Company**
   Address **526 S. Church Street, Charlotte, NC 28201-1006**
   Type Code Symbol Stamp **N/A** Authorization No. **N/A** Expiration Date **N/A**

3b. NSM or MM # OE-7322

4. Identification of System HP Class 2

5. (a) Applicable Construction Code ANSI B31.7 1968 Edition, 6/68 Addenda, NO Code Cases
   (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1989, No Addenda

6. Identification of Components Repaired or Replaced and Replacement Components

	Column 1	Column 2	Column 3	Column 4	Column 5	Col. 6	Column 7	Column 8
	Name of Component	**Name of Manufacturer**	**Manufacturer Serial Number**	**National Board Number**	**Other Identification**	**Year Built**	**Repaired, Replaced, or Replacement**	**ASME Code Stamped (yes or no)**
A	VLV. 1-HP-27	ROCKWELL	N/A	NA		NA	☐ Repaired ☒ Replaced ☐ Replacement	☒ No ☐ Yes
B	1-HP-27	CONTROL COMPONENTS INC.	658951-1-3	NA		1995	☐ Repaired ☐ Replaced ☒ Replacement	☐ No ☒ Yes
C	PIPING	DPC	NA	NA		7/73	☐ Repaired ☐ Replaced ☒ Replacement	☒ No ☐ Yes
D							☐ Repaired ☐ Replaced ☐ Replacement	☐ No ☐ Yes
E							☐ Repaired ☐ Replaced ☐ Replacement	☐ No ☐ Yes
F							☐ Repaired ☐ Replaced ☐ Replacement	☐ No ☐ Yes

Form 401463 (2-95)

Form NIS-2 (Back)

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7. Description of Work REPLACED VLV. 1HP-27 W/ITEM NO. DMV-1022

8. Test Conducted: ☐ Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☐ Other ☐ Exempt

Pressure _____ psig Test Temp. _____ °F

Pressure _____ psig Test Temp. _____ °F

Pressure _____ psig Test Temp. _____ °F

9. Remarks PERFORMED SYS. LEAKAGE TEST AT TEMP. & PRESSURE AND NDE PER ASME CODE CASE N416-1 IN LIEU OF HYDRO.

(Applicable Manufacturer's Data Records to be Attached)

CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this **repair or replacement** conforms to the rules of the ASME Code, Section XI.

Type Code Symbol Stamp **N/A**

Certificate of Authorization No. **N/A** Expiration Date **N/A**

Signed E.J. Mahon Date 12-13, 1995
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Providence of N. C. and employed by **HSBI and I Company of Hartford Connecticut** have inspected the components described in this Owner's Report during the period 11-7-95 to 1-4-96; and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

M K Chapman Commissions NC914
Inspector's Signature National Board, State, Providence and Endorsements

Date 1-4, 1996

Form 401463 (2-95)

FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS
As Required By The Provisions Of The ASME Code Section XI

1. Owner **Duke Power Company**
   Address **526 S. Church Street, Charlotte, NC 28201-1006**

1a. Date 11-22-95

Sheet 1 of 1

2. Plant **Oconee Nuclear Station**
   Address **P.O. Box 1439, Seneca, S.C. 29679**

2a. Unit ☒ 1 ☐ 2 ☐ 3 ☐ Shared (specify Units_____)

3. Work Performed By **Duke Power Company**
   Address **526 S. Church Street, Charlotte, NC 28201-1006**
   Type Code Symbol Stamp **N/A** Authorization No. **N/A** Expiration Date **N/A**

3a. Work Order # 95028303-01
Repair Organization Job #

3b. NSM or MM # 05-7321

4. Identification of System HP Class 2

5. (a) Applicable Construction Code ANSI B31.7 1968 Edition, 6/68 Addenda, NO Code Cases
   (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1989, No Addenda

6. Identification of Components Repaired or Replaced and Replacement Components

	Column 1	Column 2	Column 3	Column 4	Column 5	Col. 6	Column 7	Column 8
	Name of Component	**Name of Manufacturer**	**Manufacturer Serial Number**	**National Board Number**	**Other Identification**	**Year Built**	**Repaired, Replaced, or Replacement**	**ASME Code Stamped (yes or no)**
A	VLV. 1-HP-26	CONTROL COMP.	658951-1-4	1513		1995	☐ Repaired ☐ Replaced ☒ Replacement	☐ No ☒ Yes
B	VLV. 1-HP-26	ROCKWELL	K3628JM	—		—	☐ Repaired ☒ Replaced ☐ Replacement	☒ No ☐ Yes
C							☐ Repaired ☐ Replaced ☐ Replacement	☐ No ☐ Yes
D							☐ Repaired ☐ Replaced ☐ Replacement	☐ No ☐ Yes
E							☐ Repaired ☐ Replaced ☐ Replacement	☐ No ☐ Yes
F							☐ Repaired ☐ Replaced ☐ Replacement	☐ No ☐ Yes

Form 401463 (2-95)

Form NIS-2 (Back)

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

7. Description of Work Replaced valve 1HP-26

8. Test Conducted: ☐ Hydrostatic ☐ Pneumatic ☑ Nominal Operating Pressure ☐ Other ☐ Exempt

Pressure _____ psig Test Temp. _____ °F

Pressure _____ psig Test Temp. _____ °F

Pressure _____ psig Test Temp. _____ °F

9. Remarks Tested per ASME Code Case N-416-1

(Applicable Manufacturer's Data Records to be Attached)

CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this **repair or replacement** conforms to the rules of the ASME Code, Section XI.

Type Code Symbol Stamp **N/A**

Certificate of Authorization No. **N/A** Expiration Date **N/A**

Signed C S Mason Date 12-13, 1995
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Providence of N.C. and employed by **HSBI and I Company of Hartford Connecticut** have inspected the components described in this Owner's Report during the period 11-7-95 to 1-2-96; and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

J W B Chapman Commissions NC 914
Inspector's Signature National Board, State, Providence and Endorsements

Date 1-2, 1996

Form 401463 (2-95)

FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS
As Required By The Provisions Of The ASME Code Section XI

1. Owner **Duke Power Company**
   Address **526 S. Church Street, Charlotte, NC 28201-1006**

1a. Date 11-22-95

Sheet 1 of 1

2. Plant **Oconee Nuclear Station**
   Address **P.O. Box 1439, Seneca, S.C. 29679**

2a. Unit ☒ 1 ☐ 2 ☐ 3 ☐ Shared (specify Units_____)

3a. Work Order # 95028302-01
Repair Organization Job #

3. Work Performed By **Duke Power Company**
   Address **526 S. Church Street, Charlotte, NC 28201-1006**
   Type Code Symbol Stamp **N/A** Authorization No. **N/A** Expiration Date **N/A**

3b. NSM or MM # OE-7329

4. Identification of System HP Class 2

5. (a) Applicable Construction Code ANSI B31.7 1968 Edition, 6/68 Addenda, NO Code Cases
   (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1989, No Addenda

6. Identification of Components Repaired or Replaced and Replacement Components

	Column 1	Column 2	Column 3	Column 4	Column 5	Col. 6	Column 7	Column 8
	Name of Component	**Name of Manufacturer**	**Manufacturer Serial Number**	**National Board Number**	**Other Identification**	**Year Built**	**Repaired, Replaced, or Replacement**	**ASME Code Stamped (yes or no)**
A	VLV. 1-HP-410	CONTROL COMP.	SN658951-2-4	NA		1995	☐ Repaired ☐ Replaced ☒ Replacement	☐ No ☒ Yes
B	VLV. 1-HP-410	WESTINGHOUSE	0400ZGM88FNE 0D000W75002	W18311		1978	☐ Repaired ☒ Replaced ☐ Replacement	☐ No ☒ Yes
C							☐ Repaired ☐ Replaced ☐ Replacement	☐ No ☐ Yes
D							☐ Repaired ☐ Replaced ☐ Replacement	☐ No ☐ Yes
E							☐ Repaired ☐ Replaced ☐ Replacement	☐ No ☐ Yes
F							☐ Repaired ☐ Replaced ☐ Replacement	☐ No ☐ Yes

Form 401463 (2-95)

Form NIS-2 (Back)

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

7. Description of Work REPLACED VLV. 1HP-410 W/ITEM No. DMV-1033

8. Test Conducted: ☐ Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☐ Other ☐ Exempt

Pressure _____ psig Test Temp. _____ °F

Pressure _____ psig Test Temp. _____ °F

Pressure _____ psig Test Temp. _____ °F

9. Remarks PERFORMED SYS. LEAKAGE TEST AT SYS. TEMP. AND PRESSURE AND NDE PER ASME CODE CASE N-416-1 IN LIEU OF HYDRO.

(Applicable Manufacturer's Data Records to be Attached)

CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this **repair or replacement** conforms to the rules of the ASME Code, Section XI.

Type Code Symbol Stamp **N/A**

Certificate of Authorization No. **N/A** Expiration Date **N/A**

Signed C S Mason Date 12-13, 1995

Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Providence of N.C. and employed by **HSBI and I Company of Hartford Connecticut** have inspected the components described in this Owner's Report during the period 11-7-95 to 1-2-96; and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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[illegible] Commissions NC914

Inspector's Signature National Board, State, Providence and Endorsements

Date 1-2, 1996

Form 401463 (2-95)

FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS
As Required By The Provisions Of The ASME Code Section XI

1. Owner **Duke Power Company**
   Address **526 S. Church Street, Charlotte, NC 28201-1006**

1a. Date 11-30-95

Sheet 1 of 1

2. Plant **Oconee Nuclear Station**
   Address **P.O. Box 1439, Seneca, S.C. 29679**

2a. Unit [X] 1 [ ] 2 [ ] 3 [ ] Shared (specify Units_____)

3a. Work Order # 95028299
Repair Organization Job #

3. Work Performed By **Duke Power Company**
   Address **526 S. Church Street, Charlotte, NC 28201-1006**
   Type Code Symbol Stamp **N/A** Authorization No. **N/A** Expiration Date **N/A**

3b. NSM or MM # OE-7328

4. Identification of System HP Class 2

5. (a) Applicable Construction Code ANSI B31.7 19 68 Edition, 6/68 Addenda, NO Code Cases
   (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1989, No Addenda

6. Identification of Components Repaired or Replaced and Replacement Components

	Column 1	Column 2	Column 3	Column 4	Column 5	Col. 6	Column 7	Column 8
	Name of Component	**Name of Manufacturer**	**Manufacturer Serial Number**	**National Board Number**	**Other Identification**	**Year Built**	**Repaired, Replaced, or Replacement**	**ASME Code Stamped (yes or no)**
A	VLV. 1HP-409	WESTINGHOUSE	0400ZGM88FNE 0D000WT50001	NA		NA	[ ] Repaired [X] Replaced [ ] Replacement	[ ] No [X] Yes
B	VLV. 1HP-409	CONTROL COMPONENTS INC.	658951-2-3	NA		1995	[ ] Repaired [ ] Replaced [X] Replacement	[ ] No [X] Yes
C							[ ] Repaired [ ] Replaced [ ] Replacement	[ ] No [ ] Yes
D							[ ] Repaired [ ] Replaced [ ] Replacement	[ ] No [ ] Yes
E							[ ] Repaired [ ] Replaced [ ] Replacement	[ ] No [ ] Yes
F							[ ] Repaired [ ] Replaced [ ] Replacement	[ ] No [ ] Yes

Form 401463 (2-95)

Form NIS-2 (Back)

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7. Description of Work REPLACED VLV. 1HP-409 WITH A ITEM NO. DMV-1023

8. Test Conducted: ☐ Hydrostatic ☐ Pneumatic ☒ Nominal Operating Pressure ☐ Other ☐ Exempt

Pressure _____ psig Test Temp. _____ °F

Pressure _____ psig Test Temp. _____ °F

Pressure _____ psig Test Temp. _____ °F

9. Remarks PERFORMED SYS. LEAKAGE TEST AT SYS. TEMP. AND PRESSURE AND NDE PER ASME CODE CASE N-416-1 IN LIEU OF HYDRO.

(Applicable Manufacturer's Data Records to be Attached)

CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this **repair or replacement** conforms to the rules of the ASME Code, Section XI.

Type Code Symbol Stamp **N/A**

Certificate of Authorization No. **N/A** Expiration Date **N/A**

Signed [signature] Date 12-13, 1995

Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Providence of N.C and employed by **HSBI and I Company of Hartford Connecticut** have inspected the components described in this Owner's Report during the period 11-7-95 to 1-2-96; and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

[signature] Commissions N.C. 914

Inspector's Signature National Board, State, Providence and Endorsements

Date 1-7, 1996

10.0 Class 1 and 2 Repairs and Replacements

As required by ASME Section XI 1989 Edition, no Addenda, a record (Form NIS-2) of the Class 1 and Class 2 Repairs and Replacements for work performed from July 13, 1994 through December 10, 1995 is provided and is included in this section of the report. The individual work request documents are on file at Oconee Nuclear Station.

Form 401463 (2-95)

FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS
As Required By The Provisions Of The ASME Code Section XI

1. Owner **Duke Power Company**
   Address **526 S. Church Street, Charlotte, NC 28201-1006**

1a. Date 12-11-95

Sheet 1 of 1

2. Plant **Oconee Nuclear Station**
   Address **P.O. Box 1439, Seneca, S.C. 29679**

2a. Unit ☒ 1 ☐ 2 ☐ 3 ☐ Shared (specify Units_____)

3a. Work Order # 95048044-01
Repair Organization Job #

3. Work Performed By **Duke Power Company**
   Address **526 S. Church Street, Charlotte, NC 28201-1006**
   Type Code Symbol Stamp **N/A** Authorization No. **N/A** Expiration Date **N/A**

3b. NSM or MM # N/A

4. Identification of System RC Class A

5. (a) Applicable Construction Code B31.7 19 68 Edition, 6-68 Addenda, NO Code Cases
   (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1989, No Addenda

6. Identification of Components Repaired or Replaced and Replacement Components

	Column 1	Column 2	Column 3	Column 4	Column 5	Col. 6	Column 7	Column 8
	Name of Component	**Name of Manufacturer**	**Manufacturer Serial Number**	**National Board Number**	**Other Identification**	**Year Built**	**Repaired, Replaced, or Replacement**	**ASME Code Stamped (yes or no)**
A	Bolting	N/A	N/A	N/A	N/A	N/A	☐ Repaired ☒ Replaced ☐ Replacement	☒ No ☐ Yes
B	Bolting	General Nuclear	1668, 1614, 1718, 1602, 1721, 1666, 1735, 1665	N/A	N/A	N/A	☐ Repaired ☐ Replaced ☒ Replacement	☒ No ☐ Yes
C							☐ Repaired ☐ Replaced ☐ Replacement	☐ No ☐ Yes
D							☐ Repaired ☐ Replaced ☐ Replacement	☐ No ☐ Yes
E							☐ Repaired ☐ Replaced ☐ Replacement	☐ No ☐ Yes
F							☐ Repaired ☐ Replaced ☐ Replacement	☐ No ☐ Yes

Form 401463 (2-95)

Form NIS-2 (Back)

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

7. Description of Work Replaced bolting CRDM nozzle # 47

8. Test Conducted: ☐ Hydrostatic ☐ Pneumatic ☑ Nominal Operating Pressure ☐ Other ~~☒~~ Exempt (handwritten initials and dates "1-2-96")

Pressure	2205 psig	Test Temp.	______	°F
Pressure	______ psig	Test Temp.	______	°F
Pressure	______ psig	Test Temp.	______	°F

9. Remarks ______________________________

(Applicable Manufacturer's Data Records to be Attached)

CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this **repair or replacement** conforms to the rules of the ASME Code, Section XI.

Type Code Symbol Stamp **N/A**

Certificate of Authorization No. **N/A** Expiration Date **N/A**

Signed C R Henson QA Specialist Date 12-11, 19 95
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Providence of N.C. and employed by **HSBI and I Company of Hartford Connecticut** have inspected the components described in this Owner's Report during the period 11-6-95 to 12-11-95; and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

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

Date 12-11, 19 95