

**JUN 30 2017**

Docket No.: 50-424

NL-17-1157

U. S. Nuclear Regulatory Commission  
ATTN: Document Control Desk  
Washington, D. C. 20555-0001**Vogtle Electric Generating Plant – Unit 1**  
**1R20 ISI Report Summary**

Ladies and Gentlemen:

Southern Nuclear Operating Company (SNC) submits herewith the Vogtle Electric Generating Plant Unit 1, Interval 3, Period 3, Outage 2 Inservice Inspection Summary Report (Enclosure). This report describes and summarizes the inservice inspection activities performed during the spring 2017 maintenance / refueling outage. Paragraph IWA-6240 of the American Society of Mechanical Engineers (ASME) Boiler and Pressure Vessel Code, Section XI, 2001 Edition with addenda through 2003 requires submittal of the enclosed report.

The supporting inservice inspection documentation, e.g., examination plans and schedules, examination results and reports, examination methods and procedures, evaluation results, and corrective action and repairs, is available for review upon request at Vogtle Electric Generating Plant.

This letter contains no NRC commitments. If you have any questions, please contact Ken McElroy at (205) 992-7369.

Respectfully submitted,

**J. J. Hutto**  
Regulatory Affairs Director

JJH/kgi/lac

# **INSERVICE INSPECTION REPORT**

**REFUELING 20**

**INTERVAL 3**

**PERIOD 3**

**OUTAGE 2**

**Vogtle Electric Generating Plant  
Unit 1**

**(7821 River Road, Waynesboro, Georgia 30830)**

**Southern Nuclear Operating Company  
42 Inverness Center Parkway  
Birmingham, Alabama 35242**

**COMMERCIAL OPERATION DATE: May 31, 1987**

**DOCUMENT COMPLETION DATE: June 2017**

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### **VOLUME 1**

CONTAINS THE INFORMATION TO MEET THE REQUIREMENTS OF ASME CODE 2001 EDITION w 2003 ADDENDA, SECTION XI, SUBSECTION IWA-6240 FOR SUBMITTAL OF A SUMMARY REPORT TO THE NRC FOLLOWING EACH REFUELING OUTAGE.

### **VOLUMES 2 AND 3**

CONTAIN THE SUPPORTING DOCUMENTATION FOR THE EXAMINATIONS PERFORMED (RETAINED ON SITE BY VEGP)

### **VOLUME 4**

CONTAINS DOCUMENTATION OF THE FLOW ACCELERATED CORROSION (FAC) INSPECTIONS PERFORMED (RETAINED ON SITE BY VEGP)

**SOUTHERN NUCLEAR  
OPERATING COMPANY**

**ENGINEERING PROGRAMS  
DEPARTMENT**

# ***INSERVICE INSPECTIONS***

***PLANT VOGTLE UNIT 1***

***REFUELING OUTAGE 20***

**Spring 2017**

**Volume 1  
Owner's Report**



# **TAB A**

## **INTRODUCTION AND ABBREVIATIONS**

## **INTRODUCTION**

This report documents the examinations and tests performed at Vogtle Electric Generating Plant, Unit 1 (VEGP-1) between October 22, 2015 {end of the nineteenth (19<sup>th</sup>) maintenance/refueling outage, 1R19} and April 4, 2017 {end of the twentieth (20<sup>th</sup>) maintenance/refueling outage, 1R20} to meet the requirements of Article IWA-6000 of the American Society of Mechanical Engineers (ASME) Boiler and Pressure Vessel Code, Section XI, 2001 Edition with 2003 Addenda (Code).

This report also addresses Code-applicable repairs and/or replacements, which were documented since the last maintenance/refueling outage at VEGP-1 through the completion of the twentieth maintenance/refueling outage done per the 2001 Edition with 2003 Addenda. The Owner's Reports for Repairs and Replacements (Form NIS-2) are included herein.

## LIST OF ABBREVIATIONS

ACC	Acceptable
AD	Anchor/Darling
AFW	Auxiliary Feedwater System
AI	GPC Action Item (followed by unique no. denoting Action Item number)
ANII	Authorized Nuclear Inservice Inspector
ASME	American Society of Mechanical Engineers
ASNT	American Society for Nondestructive Testing
ASTM	American Society for Testing and Materials
BC	Branch Connection
CCSS	Centrifugally Cast Stainless Steel
CCW	Component Cooling Water
CE	Combustion Engineering
CH	Closure Head
CR	Condition Report
CS	Containment Spray
CVCS	Chemical and Volume Control System
DS	Downstream
ET	Eddy Current Examination
EVAL	Evaluation
FAC	Flow-Accelerated Corrosion (may also be referred to as "erosion/corrosion")
FB	Flange Bolting
FNF	FAC Notification Report
FW	Feedwater System
FSAR	VEGP Final Safety Analysis Report (includes updates thereto)
GEO	Geometric Indications
GPC	Georgia Power Company
HHSI	High Head Safety Injection
HL	Hanger Lug
HX	Heat Exchanger
HYD	Hydraulic Snubber
IEN	NRC Information Notice (may also be shown as "IN" followed by unique no. denoting notice number)
IND	Indication
INF	Indication Notification Form
ISI	Inservice Inspection
IST	Inservice Testing
ITS	VEGP Improved Technical Specification
ID	Inside Diameter
IR	Inside Radius
LB	Large Bore
LD	Longitudinal Seam Weld Extending Downstream
LD-I	Longitudinal Seam Weld Downstream Inside Radius of Elbow
LD-O	Longitudinal Seam Weld Downstream Outside Radius of Elbow
LMT	Lambert, MacGill and Thomas
LU	Longitudinal Seam Weld Extending Upstream
LU-I	Longitudinal Seam Weld Upstream Inside Radius of Elbow
LU-O	Longitudinal Seam Weld Upstream Outside Radius of Elbow
MECH	Mechanical Snubber
MS	Main Steam System
MT	Magnetic Particle Examination
NCI	Nonconformance Item
NDE	Nondestructive Examination

## **LIST OF ABBREVIATIONS - (continued)**

NI	No Indication
NRC	United States Nuclear Regulatory Commission
NRC-B	NRC Bulletin (followed by unique no. denoting Bulletin number)
NRI	No Recordable Indication
NSCW	Nuclear Service Cooling Water System
OR	Outside Radius
PL	Pipe Lug
PM	Paul-Munroe ENERTECH
PR	Pipe Restraint
PROF	Profile
PS	Pipe Support
PSA	Pacific Scientific
PSI	Preservice Inspection
PT	Liquid Penetrant Examination
RCS	Reactor Coolant System
RCP	Reactor Coolant Pump
RHR	Residual Heat Removal System
RI	Recordable Indication
RLW	Refracted Longitudinal Wave
RL	Restraint Lug
RPV	Reactor Pressure Vessel
RR	Relief Request (followed by unique no. denoting relief request number)
RWST	Refueling Water Storage Tank
SAT	Satisfactory Examination Results
SB	Small Bore
SCS	Southern Company Services
SI	Safety Injection System
SNC	Southern Nuclear Operating Company
SUP	Supplemental Data
T&C	Thickness and Contour
TDAFW	Turbine Driven Auxiliary Feedwater (Pump)
UNSAT	Unsatisfactory Examination Results
US	Upstream
UT	Ultrasonic Examination
VEGP	Vogtle Electric Generating Plant (common unless followed by "-1" or "-2" to designate a specific plant unit)
VT	Visual Examination
<u>W</u>	Westinghouse

# **TAB B**

## **ASME FORM NIS-1 AND ABSTRACT**

- **Form NIS-1**
- **Abstract**

**FORM NIS-1 OWNER'S REPORT FOR INSERVICE INSPECTIONS**  
**As required by the Provisions of the ASME Code Rules**

1. Owner: Southern Nuclear Operating Company (Operator for Owners),  
42 Inverness Center Parkway, Birmingham, AL 35242
2. Plant: Vogtle Electric Generating Plant  
7821 River Road, Waynesboro, Georgia 30830
3. Plant Unit: One
4. Owner Certification of Authorization: N/A
5. Commercial Service Date: 05/31/87
6. National Board Number for Unit: N/A
7. Components Inspected:

Component or Appurtenance	Manufacturer or Installer and Address	Manufacturer or Installer Serial Number	State or Province Number	National Board Number
Reactor Pressure Vessel	Combustion Eng. Inc., Chattanooga, TN	8971	N/A	21668
Selected Piping, Components, and Supports	Pullman Power Products, Williamsport, PA	System Number 1204	N/A	N/A

FORM NIS-1 (Back)

8. Examination Dates: October 22, 2015 to April 4, 2017
9. Inspection Period Identification: Third Inspection Period
10. Inspection Interval Identification: Third Inspection Interval
11. Applicable Edition of Section XI: 2001 Edition with 2003 Addenda
12. Date/Revision of Inspection Plan: Volume 1 (3/1/2017, Version 10.0); Volume 2 (3/9/2017, Version 8.0); Volume 3 (3/9/2017, Version 4.0); Volume 5 (3/8/2017, Version 9.0)
13. Abstract of Examinations and Tests. Include a list of examinations and tests and a statement concerning status of work required for the Inspection Plan. (See Abstract and Examination Summary Listings)
14. Abstract of Results of Examinations and Tests. (See Abstract)
15. Abstract of Corrective Measures. (See Abstract)

We certify that a) the statements made in this report are correct, b) the examinations and tests meet the Inspection Plan as required by the ASME Code, Section XI, and c) corrective measures taken conform to the rules of the ASME Code, Section XI.

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

Expiration Date N/A

Date: JUN 27, 2017 Signed: Southern Nuclear  
Operating Company, Inc.  
(Operator for Owners)

By: E. L. Berry  
EARL BERRY

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State of Georgia and employed by The Hartford Steam Boiler Inspection and Insurance Company of Connecticut of Hartford, CT have inspected the components described in this Owner's Report during the period October 22, 2015 to April 4, 2017, and state that to the best of my knowledge and belief, the Owner has performed examinations and tests and taken corrective measures described in this Owner's Report in accordance with the Inspection Plan and as required 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, tests, 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.

Clyde Harrison  
Inspector's Signature  
Date: 27th June 2017

Commission: NB# 14068 A, N, I 6A938  
National Board, State, Province, and Endorsements



## **ABSTRACT – ASME CLASS 1 AND 2**

### **Introduction/Status**

The ASME Boiler and Pressure Vessel Code, Section XI, 2001 Edition (Code), with the 2003 Addenda, is the applicable code for conducting inservice inspection activities during the third ten-year inspection interval at VEGP-1. Examinations and tests required by the Code are scheduled in accordance with "Inspection Program B" as defined in Code paragraphs IWB-2412 and IWC-2412. This "Owner's Report for Inservice Inspection" is for those third inspection period examinations and tests which were performed between October 22, 2015 (end of the 1R19 maintenance/refueling outage) and April 4, 2017 (end of the 1R20 maintenance/refueling outage).

In addition to the summary of inservice inspection activities, this report addresses Code-applicable repairs and replacements documented at VEGP-1 since 1R19 through the end of 1R20. The Owner's Reports for Repairs or Replacements (Form NIS-2) are provided herein.

It should be noted that Authorized Nuclear Inservice Inspector (ANII) inspection services were provided for those examinations and tests required by the Code. ASME Section XI examinations and tests are itemized in the applicable sections by reference to Examination Category. Examinations which do not meet the Code-required coverage either reference request(s) for relief or indicate that additional relief is required.

### **Class 1 Examinations**

Selected Class 1 components were examined utilizing ultrasonic testing (UT), magnetic particle testing (MT), liquid penetrant (PT), and visual testing (VT) methods, as applicable. Specific components and examination areas are itemized in the applicable portions of this document.

In addition to examinations required by the Code, examinations were performed on components during the outage per the recommendations described in MRP-146 "Materials Reliability Program: Management of Thermal Fatigue in Normally Stagnant Non-Isolable Reactor Coolant System Branch Lines". During the performance of those examinations one component was discovered to contain ultrasonic indications that exceeded the Code acceptance criteria. A repair compliant with Code Case N-504-4 "Alternative Rules for Repair of Classes 1, 2, and 3 Austenitic Steel Piping" with the "Conditions" specified in Regulatory Guide 1.147 (Revision 17) was implemented to repair this component. Tab E "Reportable Indication Summary" includes additional details related to this reportable condition. The repaired component is identified as 11204-246-36-WOL-RB. The "Preservice Inspection" examination data is referred to in the examination summary table.

### **Class 1 System Pressure Tests**

Table IWB-2500-1, Examination Category B-P of the 2001 Edition with Addenda through 2003 of ASME Section XI requires the performance of a system leakage test (IWB-5221) each refueling outage. This system leakage test was performed prior to plant startup following the refueling outage. These visual examinations only revealed minor leakage and boron residue at mechanical connections.

In addition to the system leakage test required each refueling, IWB-5222(b) requires the system leakage test conducted at or near the end of each inspection interval to be extended to all Class 1 pressure retaining components within the system boundary. The requirements of IWB-5222(b) were satisfied during this refueling outage. No evidence of leakage was observed during this test.

## **Class 2 Examinations**

No Class 2 components were selected for examination for this portion of the 3<sup>rd</sup> Inspection Period.

## **Class 2 System Pressure Tests**

Table IWC-2500-1, Examination Category C-H of the 2001 Edition with Addenda through 2003 of ASME Section XI requires system leakage tests. The specific system leakage tests performed are itemized in the "System Pressure Tests" portion of this report document. The visual examinations performed during these system leakage tests found only minor leakage or residue at mechanical joints such as valve stem packing and at flanged connections. These leakage conditions were either corrected or evaluated and determined acceptable for continued system operation.

## **Class 1 and 2 Component Supports**

No Class 1 and 2 component supports were selected for examination for this portion of the 3<sup>rd</sup> Inspection Period.

## **Class MC Containment Examinations (IWE)**

General Visual, VT-3 and VT-1 examinations were performed on Class MC Pressure Retaining components with their integral attachments. These examinations were performed in accordance with ASME Section XI, Subsection IWE of the 2001 Edition through the 2003 Addenda and were performed using procedure NMP-ES-024-207 "General Visual Examination (IWE)". Per procedure NMP-ES-024-207, the pressure retaining bolting and the containment pressure boundary was examined for defects that could violate its leak-tightness or structural integrity.

Personnel performing the examinations were qualified in accordance with procedure NMP-ES-024-100 "Procedure (Written Practice) for Qualification and Certification of Nondestructive Examination Personnel". Optical aids such as flashlights, mirrors and binoculars were used when performing the examinations that included both direct and remote visual examination methods.

## **Category E-A, Containment Surfaces**

A General Inspection of 100% of the interior accessible surface of the liner plate was performed and documented by surveillances 84303-101-SNC720723 and 84400-101-SNC808887. All accessible areas in the reactor cavity area were performed in 1R19 by surveillance 84303-101-SNC565724. A General Inspection of 100% of the exterior accessible surface of the liner plate (the piping penetrations outside of containment for examination of the backside of the liner plate) was performed and documented by the surveillances mentioned above. All anomalies consisted of surface rust, debris, scratches, discolorations, arc strikes, etc. and were evaluated as not affecting the structural integrity or leak tightness of the containment pressure boundary.

The following containment pressure boundary bolted connections were examined while the connections were disassembled for work activities. VT-1 or VT-3 examinations were performed to fulfill the requirements. No anomalies of the examined components were identified. Examinations were performed under work orders SNC586199, SNC594914, and SNC549207. Results of examinations are documented by surveillance 84303-101-SNC720723.

Personnel Air Lock Emergency Air Cover	12101R2014
Escape Air Lock Emergency Air Cover	12101R2015
Dedicated Outage Penetrations	5-M, 55-M*, & 90-M
*Only 55-M was disassembled during 1R20 outage	

### **Class CC Containment Examinations (IWL)**

General Visual examinations were performed on Class CC Containment (IWL) prior to 1R20 to satisfy Appendix J requirement for general visual inspection to prepare Integrated Leak Rate Test. Results of examinations are documented by surveillance 84400-101-SNC808887.

### **Status of Examinations Required for the current Interval**

Refueling outage 1R20 was the last refueling outage of the 3rd Inspection Interval. The examinations credited to the 3rd Inspection Period during refueling outage 1R20 and earlier refueling outages in the 3rd Inspection Interval represent 100% of the total Class 1 and 2 scope for the 3rd Inspection Interval except for those examinations which have been approved for deferral by the Nuclear Regulatory Commission. In addition, VEGP Unit 1 is within ASME Code compliance, pending NRC approval of the volumetric and/or surface examination limitations. Requests for relief will be submitted within the required time frame specified by 10 CFR 50.55a.

Selected components are identified in the examination summary tables as credited to the 4<sup>th</sup> Inspection Interval. These 1R20 refueling outage selected examinations are credited to the 1<sup>st</sup> Inspection Period of the 4<sup>th</sup> Inspection Interval as allowed by ASME Section XI, paragraph IWA-2430(d)(3) "...an inspection period may be reduced or extended by as much as one year to enable an inspection to coincide with a plant outage".

### **Applicable Code Cases**

The applicable Code Cases are identified in Enclosure 4, Volume 1 of the VEGP Units 1 and 2 Inservice Inspection Plan, Third Inspection Interval. The Code Cases and limitations of use are derived from Revision 14, 15, 16 and 17 of NRC Regulatory Guide 1.147.

# **TAB C**

## **INSERVICE INSPECTION EXAMINATION (OWNER'S REPORT) SUMMARY**

- **CLASS 1 AND 2 WELD EXAMINATIONS**
- **CLASS 1 AND 2 SUPPORT EXAMINATIONS**

### Vogtle 1R20 – Examination Summary (Total Piping)

ASME Section XI Cat / Item	Examination/Area	Examination Procedure(s)	Exam/Cal Sheet No(s)	Results	Remarks	Class
R-A R1.11	11204-246-36-WOL-RB 3" REDUCER TO BRANCH CONNECTION	SI-UT-145 Rev. 2	VO-17-WOL VO-U1-WOL-072 VO-U1-WOL-073 VO-U1-WOL-474 VO-U1-WOL-475	No Recordable Indications were noted in the weld overlay material or ISI exam volume	This component was examined per the screening criteria of MRP-146 "Management of Thermal Fatigue in Normally Stagnant Non-Isolable Reactor Coolant System Branch Lines". Ultrasonic indications were discovered and determined to exceed the Code acceptance criteria. A repair compliant with Code Case N- 504-4 with the "Conditions" specified in Reg. Guide 1.147 (Revision 17) was implemented. The Preservice Inspection" examination data is referred to in this summary.	1

### Vogtle 1R20 – Examination Summary (Total Equipment)

ASME Section XI Cat / Item	Examination/Area	Examination Procedure(s)	Exam/Cal Sheet No(s)	Results	Remarks	Class
B-N-1 B13.10	11201-V6-001-I01 VESSEL INTERIOR	NMP-ES-024-203	S17V1V005	Accept	NA	1
R-A R1.15E	11201-V6-001-W34-RB INLET NOZZLE TO SAFE END WELD AT 67°	LMT-10-PAUT-007	ISI-11201- V6-001-W34	RI	Sub-surface planar flaw - Acceptable per IWB-3514-3. Examination frequency in accordance with Code Case N-729-1.	1
N-722 B15.95	11201-V6-001-W34-VT INLET NOZZLE N2 TO SAFE END WELD @ 34°	NMP-ES-024-202	S17V1V001	Accept	Performed to satisfy Code Case N-722-1 exam requirement for the 4 <sup>th</sup> Interval.	1
R-A R1.15E	11201-V6-001-W35-RB INLET NOZZLE TO SAFE END WELD AT 113°	LMT-10-PAUT-007	ISI-11201- V6-001-W35	RI	Sub-surface planar flaw - Acceptable per IWB-3514-3. Examination frequency in accordance with Code Case N-729-1.	1
N-722 B15.95	11201-V6-001-W35-VT INLET NOZZLE N3 TO SAFE END WELD @ 113°	NMP-ES-024-202	S17V1V002	Accept	Performed to satisfy Code Case N-722-1 exam requirement for the 4 <sup>th</sup> Interval.	1

### Vogtle 1R20 – Examination Summary (Total Equipment)

ASME Section XI Cat / Item	Examination/Area	Examination Procedure(s)	Exam/Cal Sheet No(s)	Results	Remarks	Class
R-A R1.15E	11201-V6-001-W38-RB INLET NOZZLE TO SAFE END WELD AT 247°	LMT-10-PAUT-007	ISI-11201- V6-001-W38	RI	Sub-surface planar flaw - Acceptable per IWB-3514-3. Examination frequency in accordance with Code Case N-729-1.	1
N-722 B15.95	11201-V6-001-W38-VT INLET NOZZLE N6 TO SAFE END WELD @ 247°	NMP-ES-024-202	S17V1V003	Accept	Performed to satisfy Code Case N-722-1 exam requirement for the 4 <sup>th</sup> Interval.	1
R-A R1.15E	11201-V6-001-W39-RB INLET NOZZLE TO SAFE END WELD AT 293°	LMT-10-PAUT-007	ISI-11201- V6-001-W39	RI	Sub-surface planar flaw - Acceptable per IWB-3514-3. Examination frequency in accordance with Code Case N-729-1.	1
N-722 B15.95	11201-V6-001-W39-VT INLET NOZZLE N7 TO SAFE END WELD @ 293°	NMP-ES-024-202	S17V1V004	Accept	Performed to satisfy Code Case N-722-1 exam requirement for the 4 <sup>th</sup> Interval.	1
N-729 B4.10 BMV	11201-V6-CRDM(BMV) VESSEL CLOSURE HEAD EXTERIOR	NMP-ES-024-208	S17V1V012	Accept	Examination frequency in accordance with Code Case N-729-1.	1



# **TAB D**

## **INSERVICE INSPECTION EXAMINATION (OWNER'S REPORT) SUMMARY**

- SYSTEM PRESSURE TESTS**



## SYSTEM PRESSURE TESTS

- The following system pressure tests on Class 1 and Class 2 components were performed after the last refueling outage (1R19) through the completion of the twentieth refueling outage (1R20). The system pressure tests indicated below include system leakage tests for:
- Class 1 components (IWB-2500-1, Examination Category B-P),
- Class 2 components (IWC-2500-1, Examination category C-H) not required to operate during normal plant operation are identified as "Test Numbers" 84003-103 through 84003-114, and,
- Class 2 components (IWC-2500-1, Examination category C-H) required to operate during normal plant operation is identified as "Test Number" 84003-1DF.

Boundaries for the system pressure tests are described in the Pressure Test Plan (Inservice Inspection Plan-Volume 3). Examination results are discussed in the applicable sections of this report document. The examination data for these system pressure tests is available at the plant site for review upon request.

<u>Test Number</u>	<u>Exam Cat/ Item No.</u>	<u>Test Description</u>
14910-101	B-P / B15.10	Class 1 System Leakage Test
84006-101	B-P / B15.10	Class 1 10-Year System Leakage Test
84003-103	C-H / C7.10	Penetration 32 (HHSI to Cold Legs) System Leakage Test
84003-104	C-H / C7.10	Safety Injection Pump 1204-P6-003 Discharge System Leakage Test – See Note 1
84003-106	C-H / C7.10	Penetration 33 (SI to Hot Legs 1 & 4) System Leakage Test
84003-107	C-H / C7.10	Penetration 31 (SI to Hot Legs 2 & 3) System Leakage Test
84003-108	C-H / C7.10	Penetration 30 (SI to Cold Legs) System Leakage Test – See Note 1
84003-109	C-H / C7.10	Penetration 56 (RHR Hot Leg Injection) System Leakage Test
84003-110	C-H / C7.10	Safety Injection (SI) Pump Suction System Leakage Test
84003-111	C-H / C7.10	Residual Heat Removal System (RHRS) to Chemical and Volume Control System Suction System Leakage Test
84003-114	C-H / C7.10	Turbine Driven Auxiliary Feedwater (TDAFW) Pump 1302-P4-001 System Leakage Test
84003-1DF	C-H / C7.10	Reactor Vessel Head Flange O-Ring Leakoff Lines System Leakage Test

Note 1: Portions of 84003-104 and 84003-108 were completed prior to the end of the last refueling outage (1R19). The remaining portions were completed prior to the end of the third inspection period.

# **TAB E**

## **INSERVICE INSPECTION EXAMINATION (OWNER'S REPORT) SUMMARY**

- **REPORTABLE INDICATION SUMMARY**

## REPORTABLE INDICATION SUMMARY

The following Indication Notification Form and Condition Report were issued due to "reportable" indications or conditions being observed during the examination of either Class 1 or 2 components typically examined per the requirements of Table IWB-2500-1 or Table-IWC-2500-1. Referenced attachments are available at the VEGP plant site for review upon request. SNC defines "reportable" as volumetric, surface or visual examinations with indications/conditions exceeding specified acceptance standard of ASME XI, thus requiring "analytical evaluation". Volumetric and surface examinations meeting the applicable acceptance standards are not considered "reportable", and will not necessarily be indicated on the table below. Generation of an "Indication Notification Report" and/or "Condition Report" as specified in the below table does not necessarily indicate a Code "Reportable" condition.

INF NO. and/or Condition Report	Affected Component/Area	INF Disposition
I17V1002 CR10345327	11204-246-36-RB	<p><u>Finding</u> During the augmented ultrasonic examination of weld 11204-246-36 (3" Reducer to Branch Connection), ultrasonic reflectors were recorded in the base metal of the 3" nozzle connected to the Loop 4 RCS Cold Leg (see S17V1U017). This component is under the MRP-146 surveillance for thermal fatigue cracking. The indications were evaluated to the applicable ASME acceptance standard (Table IWB-3514-2) and were determined to be unacceptable. (Reference Condition Report 10345327)</p> <p>Applicable Code: 2001 Edition with 2003 Addenda of ASME Section XI, applicable Category number- R-A; Item Number- R.11. The program plan references Code Case N-716 which references Table IWB-3514-2 for acceptance criteria.</p> <p>The indications are in the axial direction identified using a curved 45° wedge. This configuration/location was examined on all remaining Loops. The UT examinations were performed using PDI, Appendix VIII procedures and personnel with additional training on MRP-146 material. This technique was developed for high-cycle thermal fatigue.</p> <p>Reducer dimensions- 3.5" OD x 0.438" wall; 3 major indications with largest dimensions of 0.10" deep by 1.75" length. The area of the indications is bounded by a rectangle with dimensions of 2.75" in the circumferential direction and 1.75" in the axial direction. a/t actual = 22.8%; a/t allowable = 11.6%. This is unacceptable per the table.</p> <p><u>Comments</u> A repair compliant with Code Case N-504-4 with the "Conditions" specified in Regulatory Guide 1.147 (Revision 17) was implemented.</p> <p>Design Change SNC853163, Work Order SNC852693, and PCI document PI-912164-01 contains the specific details. The repair was certified on the NIS-2 Form for Traveler 852693-T1.</p>

# **TAB F**

**OWNER'S REPORT FOR REPAIR AND  
REPLACEMENTS  
(ASME FORM NIS-2)**

## **OWNER'S REPORTS FOR REPAIRS OR REPLACEMENTS (FORM NIS-2)**

The following Owner's Reports for Repairs or Replacements (Form NIS-2) are provided for work activities documented during the reporting period. Reports are identified by their respective traveler number which is denoted on each of the NIS-2 reports. The originals of the NIS-2 reports are filed with their respective traveler packages at the plant site. Only those NIS-2 reports applicable to VEGP-1 are included in this report document. Any attachments, e.g., code data reports, etc., referenced in the NIS-2 reports will be made available for review upon request at the plant site.

15002	720293-T1	806951-T1	821955-T1
121229-T1	720293-T2	806952-T1	826516-T1
505586-T1	739695-T1	806954-T1	826516-T2
627504-T1	752667-T1	807745-T1	852693-T1
627504-T2	782809-T1	807745-T2	853201-T1
718254-T1	796533-T1	815932-T1	853342-T1

# FORM NIS-2 OWNER'S REPORT FOR REPAIR/REPLACEMENT ACTIVITY

As Required By The Provisions Of The ASME Code Section XI

Traveler # 15002

1. Owner Southern Nuclear Operating Company  
Name  
40 Inverness Center Parkway, Birmingham, AL  
Address
2. Plant Vogtle Electric Generating Plant  
Name  
Waynesboro, GA 30830  
Address
3. Work Performed by Maintenance Department  
Name  
Plant Vogtle  
Address
4. Identification of System 1301 / Main Steam System
5. (a) Applicable Construction Code 1977 Edition, Winter 1977 Addenda, n/a Code Case  
(b) Applicable Edition of Section XI Used for Repair/Replacement Activity 2001 ed. 2003 add.  
(c) Applicable Section XI Code Case(s)

Date June 22 2017  
Sheet 1 of 1  
Unit 1  
SNC 575605  
Repair/Replacement Organization P.O. No., Job No., etc.

Type Code Symbol Stamp N/A  
Authorization No. N/A  
Expiration Date N/A

## 6. Identification Of Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Corrected, Removed, or Installed	ASME Code Stamped (Yes or No)
ATMOSPHERIC DUMP VALVE	CONTROL COMPONENTS, INC.	23468-1-3	N/A	1-PV-3020	1982	CORRECTED	YES

7. Description of Work Replaced plug on ARV 1-PV-3020.

8. Test Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☒ Exempt ☐  
Other ☐ Pressure \_\_\_\_\_ psi Test Temp. \_\_\_\_\_ °F

9. Remarks See Item 7

Applicable Manufacturer's Data Reports to be attached

## CERTIFICATE OF COMPLIANCE

I certify that the statements made in the report are correct and that this conforms to the requirements of the ASME Code, Section XI.

Type Code Symbol Stamp N/A

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

Signed [Signature] Team Leader Date 6/22/17  
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 Province of Georgia and employed by Hartford Steam Boiler Inspection and Insurance Co. of Connecticut of Hartford, Connecticut have inspected the components described in this Owner's Report during the period 06/22/17 to 06/22/17, 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]  
Inspector's Signature  
Clyde Harrison  
Date 22 JUNE 2017

Commissions NB#14068 A, N, I GA938  
National Board, State, Province and Endorsements



# FORM NIS-2 OWNER'S REPORT FOR REPAIR/REPLACEMENT ACTIVITY

As Required By The Provisions Of The ASME Code Section XI

Traveler # 121229-T1

1. Owner Southern Nuclear Operating Company  
Name  
40 Inverness Center Parkway, Birmingham, AL  
Address
2. Plant Vogtle Electric Generating Plant  
Name  
Waynesboro, GA 30830  
Address
3. Work Performed by Maintenance Department  
Name  
Plant Vogtle  
Address
4. Identification of System 1301 / Main Steam System
5. (a) Applicable Construction Code 1977 Edition, Winter 1977 Addenda, n/a Code Case  
(b) Applicable Edition of Section XI Used for Repair/Replacement Activity 2001 ed. 2003 add.  
(c) Applicable Section XI Code Case(s)

Date June 22 2017  
Sheet 1 of 1  
Unit 1  
SNC 121229  
Repair/Replacement Organization P.O. No., Job No., etc.

Type Code Symbol Stamp N/A  
Authorization No. N/A  
Expiration Date N/A

## 6. Identification Of Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Corrected, Removed, or Installed	ASME Code Stamped (Yes or No)
ATMOSPHERIC DUMP VALVE	CONTROL COMPONENTS, INC.	23468-1-1	N/A	1-PV-3000	1982	CORRECTED	YES

7. Description of Work Replaced plug on ARV 1-PV-3000.

8. Test Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☒ Exempt ☐  
Other ☐ Pressure   psi Test Temp.   °F

9. Remarks See Item 7

Applicable Manufacturer's Data Reports to be attached

## CERTIFICATE OF COMPLIANCE

I certify that the statements made in the report are correct and that this conforms to the requirements of the ASME Code, Section XI.

Type Code Symbol Stamp N/A

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

Signed Michaela Budina M. Budina Team Leader Date 6/22/17  
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 Province of Georgia and employed by Hartford Steam Boiler Inspection and Insurance Co. of Connecticut of Hartford, Connecticut have inspected the components described in this Owner's Report during the period 03-14-16 to 06-22-17, 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.

Clyde Harrison  
Inspector's Signature  
Date 22 June 2017

Commissions NB# 14068 A, N, I GA 938  
National Board, State, Province and Endorsements



# FORM NIS-2 OWNER'S REPORT FOR REPAIR/REPLACEMENT ACTIVITY

As Required By The Provisions Of The ASME Code Section XI

Traveler # 505586-T1

1. Owner Southern Nuclear Operating Company  
 Name  
40 Inverness Center Parkway, Birmingham, AL  
 Address
2. Plant Vogtle Electric Generating Plant  
 Name  
Waynesboro, GA 30830  
 Address
3. Work Performed by Maintenance Department  
 Name  
Plant Vogtle  
 Address
4. Identification of System 1301 / Main Steam System
5. (a) Applicable Construction Code 1977 Edition, Winter 1977 Addenda, n/a Code Case  
 (b) Applicable Edition of Section XI Used for Repair/Replacement Activity 2001 ed. 2003 add.  
 (c) Applicable Section XI Code Case(s)
6. Identification Of Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Corrected, Removed, or Installed	ASME Code Stamped (Yes or No)
ATMOSPHERIC DUMP VALVE	CONTROL COMPONENTS, INC.	23468-1-2	N/A	1-PV-3010	1982	CORRECTED	YES

7. Description of Work Replaced plug on ARV 1-PV-3010.
8. Test Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☒ Exempt ☐  
 Other ☐ Pressure \_\_\_\_\_ psi Test Temp. \_\_\_\_\_ °F
9. Remarks See Item 7

Applicable Manufacturer's Data Reports to be attached

CERTIFICATE OF COMPLIANCE			
I certify that the statements made in the report are correct and that this conforms to the requirements of the ASME Code, Section XI.			
Type Code Symbol Stamp	N/A		
Certificate of Authorization No.	N/A	Expiration Date	N/A
Signed	<u>M. B. B. B.</u> Owner or Owner's Designee, Title	Team Leader	Date <u>4/1/17</u>

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 Province of <u>Georgia</u> and employed by <u>Hartford Steam Boiler Inspection and Insurance Co. of Connecticut</u> of <u>Hartford, Connecticut</u> have inspected the components described in this Owner's Report during the period <u>05/18/2016</u> to <u>06/07/2017</u> , 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 <u>Clyde Harrison</u>	Commissions <u>NB14068 A.N.I. GA938</u> National Board, State, Province and Endorsements
Date <u>07 June 2017</u>	

**As Required By The Provisions Of The ASME Code Section XI**

Inspector's Signature  
Clyde Harrison  
Date 12 June 2017

# FORM NIS-2 OWNER'S REPORT FOR REPAIR/REPLACEMENT ACTIVITY

As Required By The Provisions Of The ASME Code Section XI

Traveler # 627504-T2

1. Owner Southern Nuclear Operating Company  
Name  
40 Inverness Center Parkway, Birmingham, AL  
Address
2. Plant Vogtle Electric Generating Plant  
Name  
Waynesboro, GA 30830  
Address
3. Work Performed by Maintenance Department  
Name  
Plant Vogtle  
Address
4. Identification of System 1201/ Reactor Coolant System
5. (a) Applicable Construction Code ASME Sec. III Edition, 1971 Addenda, Summer 1972  
(b) Applicable Edition of Section XI Used for Repair/Replacement Activity 2001 ed. 2003 add.  
(c) Applicable Section XI Code Case(s)
6. Identification Of Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Corrected, Removed, or Installed	ASME Code Stamped (Yes or No)
STEAM GENERATOR	WESTINGHOUSE ELECTRIC CORP.	GAGT 1884	N/A	1-1201-B6-004	1981	CORRECTED	YES

7. Description of Work Installed Mechanical Tube Plugs on Steam Generator #4

8. Test Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☐ Exempt ☒  
Other ☐ Pressure N/A psi Test Temp. N/A °F

9. Remarks See Item 7

Applicable Manufacturer's Data Reports to be attached

## CERTIFICATE OF COMPLIANCE

I certify that the statements made in the report are correct and that this conforms to the requirements of the ASME Code, Section XI.

Type Code Symbol Stamp N/A

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

Signed Mitchell Bodien M. Bodien Superintendent Date 5/31/17  
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 Province of Georgia and employed by Hartford Steam Boiler Inspection and Insurance Co. of Connecticut of Hartford, Connecticut have inspected the components described in this Owner's Report during the period 03/27/17 to 06/12/17, 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.

Clyde Harrison  
Inspector's Signature  
Date 12 June 2017

Commissions NB#14068 A,N,I GA 938  
National Board, State, Province and Endorsements

# FORM NIS-2 OWNER'S REPORT FOR REPAIR/REPLACEMENT ACTIVITY

As Required By The Provisions Of The ASME Code Section XI

Traveler # 718254-T1

- Owner Southern Nuclear Operating Company  
Name  
40 Inverness Center Parkway, Birmingham, AL  
Address
- Plant Vogtle Electric Generating Plant  
Name  
Waynesboro, GA 30830  
Address
- Work Performed by Maintenance Department  
Name  
Plant Vogtle  
Address
- Identification of System 1201 / Reactor Coolant System
- (a) Applicable Construction Code ASME Sec. III Edition, 1974 Addenda, Summer 1975 Code Case  
(b) Applicable Edition of Section XI Used for Repair/Replacement Activity 2001 ed. 2003 ed.  
(c) Applicable Section XI Code Case(s) N-30-1

Date May 30 2017  
Sheet 1 of 1  
Unit 1  
SNC718254  
Repair/Replacement Organization P.O. No., Job No., etc.

Type Code Symbol Stamp N/A  
Authorization No. N/A  
Expiration Date N/A

## 6. Identification Of Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Corrected, Removed, or Installed	ASME Code Stamped (Yes or No)
VALVE	DRESSER INDUSTRIES	BK779	N/A	1-1201-U4-086	1987	REMOVED	YES
VALVE	FLOWERVE	88BKE	N/A	1-1201-U4-086	2008	INSTALLED	YES

## 7. Description of Work Replace 11201U4086

8. Test Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☒ Exempt ☐  
Other ☐ Pressure \_\_\_\_\_ psi Test Temp. \_\_\_\_\_ °F

9. Remarks Applicable Manufacturer's Data Reports to be attached

### CERTIFICATE OF COMPLIANCE

I certify that the statements made in the report are correct and that this conforms to the requirements of the ASME Code, Section XI.

Type Code Symbol Stamp N/A  
Certificate of Authorization No. N/A Expiration Date N/A

Signed M. B. B. Superintendent Date 6/8/17  
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 Province of Georgia and employed by Hartford Steam Boiler Inspection and Insurance Co. of Connecticut of Hartford, Connecticut have inspected the components described in this Owner's Report during the period 12-8-16 to 06/08/17, 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.

Clyde Harrison  
Inspector's Signature  
Date 08 June 2017

Commissions NB 14068 A.N.I. GA 958  
National Board, State, Province and Endorsements

# FORM NIS-2 OWNER'S REPORT FOR REPAIR/REPLACEMENT ACTIVITY

As Required By The Provisions Of The ASME Code Section XI

Traveler # 720293-T1

1. Owner Southern Nuclear Operating Company  
40 Inverness Center Parkway, Birmingham, AL  
 Name \_\_\_\_\_  
 Address \_\_\_\_\_
2. Plant Vogtle Electric Generating Plant  
Waynesboro, GA 30830  
 Name \_\_\_\_\_  
 Address \_\_\_\_\_
3. Work Performed by Maintenance Department  
 Name \_\_\_\_\_  
Plant Vogtle  
 Address \_\_\_\_\_
4. Identification of System 1201/ Reactor Coolant System
5. (a) Applicable Construction Code ASME Sec. III Edition, 1971 Addenda, Summer 1972  
 (b) Applicable Edition of Section XI Used for Repair/Replacement Activity 2001 ed. 2003 add.  
 (c) Applicable Section XI Code Case(s) \_\_\_\_\_
6. Identification Of Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Corrected, Removed, or Installed	ASME Code Stamped (Yes or No)
STEAM GENERATOR	WESTINGHOUSE ELECTRIC CORP.	GAGT 1882	N/A	1-1201-B6-002	1981	CORRECTED	YES

7. Description of Work Tube Plugging in Steam Generator #2

8. Test Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☐ Exempt ☒  
 Other ☐ Pressure N/A psi Test Temp. N/A °F

9. Remarks See Item 7

Applicable Manufacturer's Data Reports to be attached

## CERTIFICATE OF COMPLIANCE

I certify that the statements made in the report are correct and that this conforms to the requirements of the ASME Code, Section XI.

Type Code Symbol Stamp N/A

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

Signed Michael B. Borden Superintendent Date 5/31/17  
 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 Province of Georgia and employed by Hartford Steam Boiler Inspection and Insurance Co. of Connecticut of Hartford, Connecticut have inspected the components described in this Owner's Report during the period 08-18-16 to 06-08-17, 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.

Clyde Harrison  
 Inspector's Signature  
 Date 08 June 2017

Commissions NB 14068 A, N, I GA-938  
 National Board, State, Province and Endorsements

# FORM NIS-2 OWNER'S REPORT FOR REPAIR/REPLACEMENT ACTIVITY

As Required By The Provisions Of The ASME Code Section XI

Traveler # 720293-T2

1. Owner Southern Nuclear Operating Company Date MAY 31 2017  
 Name 40 Inverness Center Parkway, Birmingham, AL  
 Address  Sheet 1 of 1
2. Plant Vogtle Electric Generating Plant Unit 1  
 Name Waynesboro, GA 30830  
 Address  SNC 720293  
 Repair/Replacement Organization P.O. No., Job No., etc.
3. Work Performed by Maintenance Department Type Code Symbol Stamp N/A  
 Name  Authorization No. N/A  
 Plant Vogtle Expiration Date N/A  
 Address
4. Identification of System 1201/ Reactor Coolant System
5. (a) Applicable Construction Code ASME Sec. III Edition, 1971 Addenda, Summer 1972  
 (b) Applicable Edition of Section XI Used for Repair/Replacement Activity 2001 ed. 2003 add.  
 (c) Applicable Section XI Code Case(s)

## 6. Identification Of Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Corrected, Removed, or Installed	ASME Code Stamped (Yes or No)
STEAM GENERATOR	WESTINGHOUSE ELECTRIC CORP.	GAGT 1883	N/A	1-1201-B6-003	1981	CORRECTED	YES

## 7. Description of Work Tube Plugging in Steam Generator #3

8. Test Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☐ Exempt ☒  
 Other ☐ Pressure N/A psl Test Temp. N/A °F

## 9. Remarks See Item 7

Applicable Manufacturer's Data Reports to be attached

### CERTIFICATE OF COMPLIANCE

I certify that the statements made in the report are correct and that this conforms to the requirements of the ASME Code, Section XI.

Type Code Symbol Stamp N/A

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

Signed M. B. B. Superintendent Date 5/31/17  
 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 Province of Georgia and employed by Hartford Steam Boiler Inspection and Insurance Co. of Connecticut of Hartford, Connecticut have inspected the components described in this Owner's Report during the period 08-18-16 to 06-08-17, 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 Clyde Harrison Commissions NB 14068 A, N, I GA 958  
 Date 08 June 2017 National Board, State, Province and Endorsements



# FORM NIS-2 OWNER'S REPORT FOR REPAIR/REPLACEMENT ACTIVITY

As Required By The Provisions Of The ASME Code Section XI

Traveler # 739695-T1

1. Owner Southern Nuclear Operating Company Date MAY 31 2017  
 Name 40 Inverness Center Parkway, Birmingham, AL  
 Address  Sheet 1 of 1
2. Plant Vogtle Electric Generating Plant Unit 1  
 Name Waynesboro, GA 30830  
 Address  SNC 739695  
 Repair/Replacement Organization P.O. No., Job No., etc.
3. Work Performed by Maintenance Department Type Code Symbol Stamp N/A  
 Name  Authorization No. N/A  
 Plant Vogtle Expiration Date N/A  
 Address
4. Identification of System 1201/ Reactor Coolant System
5. (a) Applicable Construction Code ASME Sec. III Edition, 1971 Addenda, Summer 1972  
 (b) Applicable Edition of Section XI Used for Repair/Replacement Activity 2001 ed. 2003 add.  
 (c) Applicable Section XI Code Case(s)

## 6. Identification Of Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Corrected, Removed, or Installed	ASME Code Stamped (Yes or No)
SNUBBER	PAUL MONROE	PM-25701 S/N 892	N/A	1-1201-B6-003-S08	1987	CORRECTED	YES

## 7. Description of Work Replacement of Tension and Compression Control Valves

8. Test Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☐ Exempt ☒  
 Other ☐ Pressure N/A psi Test Temp. N/A °F

## 9. Remarks See Item 7

Applicable Manufacturer's Data Reports to be attached

### CERTIFICATE OF COMPLIANCE

I certify that the statements made in the report are correct and that this conforms to the requirements of the ASME Code, Section XI.

Type Code Symbol Stamp N/A

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

Signed M. Bodie Superintendent Date 5/31/17  
 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 Province of Georgia and employed by Hartford Steam Boiler Inspection and Insurance Co. of Connecticut of Hartford, Connecticut have inspected the components described in this Owner's Report during the period 08-17-16 to 06-08-17, 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 NB 14068 A, N, I GA 938  
 National Board, State, Province and Endorsements

Date 08 June 2017



# FORM NIS-2 OWNER'S REPORT FOR REPAIR/REPLACEMENT ACTIVITY

As Required By The Provisions Of The ASME Code Section XI

Traveler # 752667-T1

- Owner Southern Nuclear Operating Company  
Name 40 Inverness Center Parkway, Birmingham, AL  
Address Waynesboro, GA 30830
- Plant Vogtle Electric Generating Plant  
Name Waynesboro, GA 30830  
Address Waynesboro, GA 30830
- Work Performed by Maintenance Department  
Name Plant Vogtle  
Address Waynesboro, GA 30830
- Identification of System 1201/ Reactor Coolant System
- (a) Applicable Construction Code ASME Sec. III Edition, 1977 Addenda, Summer 1979  
(b) Applicable Edition of Section XI Used for Repair/Replacement Activity 2001 ed. 2003 add.  
(c) Applicable Section XI Code Case(s)
- Identification Of Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Corrected, Removed, or Installed	ASME Code Stamped (Yes or No)
RCS PRESSURIZER POWER RELIEF VLV	CROSBY	6499426	N/A	1P5V0455A 6/5/17	1981	CORRECTED	YES

- Description of Work REBUILD VALVE
- Test Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☒ Exempt ☐  
Other ☐ Pressure N/A psi Test Temp. N/A °F
- Remarks See Item 7  
Applicable Manufacturer's Data Reports to be attached

CERTIFICATE OF COMPLIANCE			
I certify that the statements made in the report are correct and that this conforms to the requirements of the ASME Code, Section XI.			
Type Code Symbol Stamp	N/A		
Certificate of Authorization No.	N/A	Expiration Date	N/A
Signed <u>Michelle Bedies</u>	Superintendent	Date <u>6/5/17</u>	
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 Province of <u>Georgia</u> and employed by <u>Hartford Steam Boiler Inspection and Insurance Co. of Connecticut</u> of <u>Hartford, Connecticut</u> have inspected the components described in this Owner's Report during the period <u>12-08-16</u> to <u>06/08/17</u> , 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 <u>Clyde Harrison</u> Date <u>08 June 2017</u>	Commissions <u>NB 14068 A, N, I GA938</u> National Board, State, Province and Endorsements

# FORM NIS-2 OWNER'S REPORT FOR REPAIR/REPLACEMENT ACTIVITY

As Required By The Provisions Of The ASME Code Section XI

Traveler # 782809-T1

1. Owner Southern Nuclear Operating Company  
 Name 40 Inverness Center Parkway, Birmingham, AL  
 Address Waynesboro, GA 30830
2. Plant Vogtle Electric Generating Plant  
 Name Waynesboro, GA 30830  
 Address Waynesboro, GA 30830
3. Work Performed by Maintenance Department  
 Name Plant Vogtle  
 Address Plant Vogtle
4. Identification of System 1201/ Reactor Coolant System
5. (a) Applicable Construction Code ASME Sec. III Edition, 1971 Addenda, Summer 1972  
 (b) Applicable Edition of Section XI Used for Repair/Replacement Activity 2001 ed. 2003 add.  
 (c) Applicable Section XI Code Case(s)
6. Identification Of Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Corrected, Removed, or Installed	ASME Code Stamped (Yes or No)
STEAM GENERATOR	WESTINGHOUSE ELECTRIC CORP.	GAGT 1882	N/A	1-1201-B6-002	1981	CORRECTED	YES

7. Description of Work Replaced 2 Primary Manway Studs on Steam Generator #2

8. Test Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☒ Exempt ☐  
 Other ☐ Pressure N/A psi Test Temp. N/A °F

9. Remarks See Item 7

Applicable Manufacturer's Data Reports to be attached

## CERTIFICATE OF COMPLIANCE

I certify that the statements made in the report are correct and that this conforms to the requirements of the ASME Code, Section XI.

Type Code Symbol Stamp N/A

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

Signed [Signature] Superintendent Date 5/31/17  
 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 Province of Georgia and employed by Hartford Steam Boiler Inspection and Insurance Co. of Connecticut of Hartford, Connecticut have inspected the components described in this Owner's Report during the period 08-03-16 to 06/08/17, 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 Clyde Harrison  
 Date 08 June 2017

Commissions NB14068 A.N.I GA-938  
 National Board, State, Province and Endorsements

# FORM NIS-2 OWNER'S REPORT FOR REPAIR/REPLACEMENT ACTIVITY

As Required By The Provisions Of The ASME Code Section XI

Traveler # 796533-T1

1. Owner Southern Nuclear Operating Company Date June 15, 2017  
 Name  
40 Inveness Center Parkway, Birmingham, AL  
 Address  
 Sheet 1 of 1
2. Plant Vogtle Electric Generating Plant Unit 1  
 Name  
Waynesboro, GA 30830  
 Address  
SNC 796533  
 Repair/Replacement Organization P.O. No., Job No., etc.
3. Work Performed by Maintenance Department Type Code Symbol Stamp N/A  
 Name  
Plant Vogtle Authorization No. N/A  
 Address  
 Expiration Date N/A
4. Identification of System 1201 - Reactor Coolant System
5. (a) Applicable Construction Code ASME Sec. III 1971 Edition, Summer 1972 Addenda, N/A Code Case  
 (b) Applicable Edition of Section XI Used for Repair/Replacement Activity 2001 ed. 2003 add.  
 (c) Applicable Section XI Code Case(s)

## 6. Identification Of Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Corrected, Removed, or Installed	ASME Code Stamped (Yes or No)
REACTOR VESSEL	COMBUSTION ENGINEERING, INC	4027-001	22004	1-1201-V6-001-CO	1979	CORRECTED	YES

## 7. Description of Work Replace fittings on Seal Table

8. Test Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☒ Exempt ☐  
 Other ☐ Pressure \_\_\_\_\_ psi Test Temp. \_\_\_\_\_ °F

## 9. Remarks

Applicable Manufacturer's Data Reports to be attached

### CERTIFICATE OF COMPLIANCE

I certify that the statements made in the report are correct and that this conforms to the requirements of the ASME Code, Section XI.

Type Code Symbol Stamp N/A

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

Signed Mitchell Bodien M. Bodien Date 6/15/17  
 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 Province of Georgia and employed by Hartford Steam Boiler Inspection and Insurance Co. of Connecticut of Hartford, Connecticut have inspected the components described in this Owner's Report during the period 12/7/16 to 06/15/17, 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.

Clyde Harrison  
 Inspector's Signature  
 Date 15 June 2017

Commissions NB#14068 A,N,I GA 938  
 National Board, State, Province and Endorsements

# FORM NIS-2 OWNER'S REPORT FOR REPAIR/REPLACEMENT ACTIVITY

As Required By The Provisions Of The ASME Code Section XI

Traveler # 806951-T1

1. Owner Southern Nuclear Operating Company  
40 Inverness Center Parkway, Birmingham, AL  
 Name \_\_\_\_\_  
 Address \_\_\_\_\_
2. Plant Vogtle Electric Generating Plant  
Waynesboro, GA 30830  
 Name \_\_\_\_\_  
 Address \_\_\_\_\_
3. Work Performed by Maintenance Department  
 Name \_\_\_\_\_  
Plant Vogtle  
 Address \_\_\_\_\_
4. Identification of System 1201/ Reactor Coolant System
5. (a) Applicable Construction Code ASME Sec. III Edition, 1971 Addenda, Summer 1972  
 (b) Applicable Edition of Section XI Used for Repair/Replacement Activity 2001 ed. 2003 add.  
 (c) Applicable Section XI Code Case(s) \_\_\_\_\_
6. Identification Of Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Corrected, Removed, or Installed	ASME Code Stamped (Yes or No)
STEAM GENERATOR	WESTINGHOUSE ELECTRIC CORP.	GAGT 1881	N/A	1-1201-B6-001	1981	CORRECTED	YES

7. Description of Work Replaced all Secondary Manway Studs on Steam Generator #1
8. Test Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☒ Exempt ☐  
 Other ☐ Pressure N/A psi Test Temp. N/A °F
9. Remarks See Item 7

Applicable Manufacturer's Data Reports to be attached

CERTIFICATE OF COMPLIANCE			
I certify that the statements made in the report are correct and that this conforms to the requirements of the ASME Code, Section XI.			
Type Code Symbol Stamp	N/A		
Certificate of Authorization No.	N/A	Expiration Date	N/A
Signed	<u>M. Bodin</u>	Superintendent	Date <u>5/31/17</u>
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 Province of <u>Georgia</u> and employed by <u>Hartford Steam Boiler Inspection and Insurance Co. of Connecticut</u> of <u>Hartford, Connecticut</u> have inspected the components described in this Owner's Report during the period <u>08/17/16</u> to <u>06/05/17</u> , 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 <u>Clyde Harrison</u> Date <u>05 June 2017</u>	Commissions <u>NB14068 A, N, I 6A938</u> National Board, State, Province and Endorsements

# FORM NIS-2 OWNER'S REPORT FOR REPAIR/REPLACEMENT ACTIVITY

As Required By The Provisions Of The ASME Code Section XI

Traveler # 806952-T1

1. Owner Southern Nuclear Operating Company  
Name  
40 Inverness Center Parkway, Birmingham, AL  
Address
2. Plant Vogtle Electric Generating Plant  
Name  
Waynesboro, GA 30830  
Address
3. Work Performed by Maintenance Department  
Name  
Plant Vogtle  
Address
4. Identification of System 1201/ Reactor Coolant System
5. (a) Applicable Construction Code ASME Sec. III Edition, 1971 Addenda, Summer 1972  
(b) Applicable Edition of Section XI Used for Repair/Replacement Activity 2001 ed. 2003 add.  
(c) Applicable Section XI Code Case(s)

Date JUNE 1 2017  
Sheet 1 of 1  
Unit 1  
SNC 806952  
Repair/Replacement Organization P.O. No., Job No., etc.

Type Code Symbol Stamp N/A  
Authorization No. N/A  
Expiration Date N/A

## 6. Identification Of Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Corrected, Removed, or Installed	ASME Code Stamped (Yes or No)
STEAM GENERATOR	WESTINGHOUSE ELECTRIC CORP.	GAGT-1882	N/A	1-1201-B6-002	1981	CORRECTED	YES

## 7. Description of Work Replaced all Secondary Manway Studs on Steam Generator #2

8. Test Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☒ Exempt ☐  
Other ☐ Pressure N/A psi Test Temp. N/A °F

## 9. Remarks See Item 7

Applicable Manufacturer's Data Reports to be attached

### CERTIFICATE OF COMPLIANCE

I certify that the statements made in the report are correct and that this conforms to the requirements of the ASME Code, Section XI.

Type Code Symbol Stamp N/A

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

Signed Mitchell Bodien M. Bodien Superintendent Date 6/1/17  
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 Province of Georgia and employed by Hartford Steam Boiler Inspection and Insurance Co. of Connecticut of Hartford, Connecticut have inspected the components described in this Owner's Report during the period 08/17/16 to 06/05/17, 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 Clyde Harrison Commissions NB 14068 A, N, I, GA 938  
Date 05 June 2017 National Board, State, Province and Endorsements

# FORM NIS-2 OWNER'S REPORT FOR REPAIR/REPLACEMENT ACTIVITY

As Required By The Provisions Of The ASME Code Section XI

Traveler # 806954-T1

- Owner Southern Nuclear Operating Company  
Name  
40 Inverness Center Parkway, Birmingham, AL  
Address
- Plant Vogtle Electric Generating Plant  
Name  
Waynesboro, GA 30830  
Address
- Work Performed by Maintenance Department  
Name  
Plant Vogtle  
Address
- Identification of System 1201/ Reactor Coolant System
- (a) Applicable Construction Code ASME Sec. III Edition, 1971 Addenda, Summer 1972  
(b) Applicable Edition of Section XI Used for Repair/Replacement Activity 2001 ed. 2003 add.  
(c) Applicable Section XI Code Case(s)
- Identification Of Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Corrected, Removed, or Installed	ASME Code Stamped (Yes or No)
STEAM GENERATOR	WESTINGHOUSE ELECTRIC CORP.	GAGT-1883	N/A	1-1201-B6-003	1981	CORRECTED	YES

- Description of Work Replaced all Secondary Manway Studs on Steam Generator #3
- Test Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☒ Exempt ☐  
Other ☐ Pressure N/A psi Test Temp. N/A °F
- Remarks See Item 7  
Applicable Manufacturer's Data Reports to be attached

CERTIFICATE OF COMPLIANCE			
I certify that the statements made in the report are correct and that this conforms to the requirements of the ASME Code, Section XI.			
Type Code Symbol Stamp	<u>N/A</u>		
Certificate of Authorization No.	<u>N/A</u>	Expiration Date	<u>N/A</u>
Signed <u>Michelle Reder</u>	<u>W. Reder</u>	Superintendent	Date <u>6/1/17</u>
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 Province of <u>Georgia</u> and employed by <u>Hartford Steam Boiler Inspection and Insurance Co. of Connecticut</u> of <u>Hartford, Connecticut</u> have inspected the components described in this Owner's Report during the period <u>08-17-2016</u> to <u>06/07/2017</u> , 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 <u>Clyde Harrison</u> Date <u>07 June 2017</u>	Commissions <u>NB 14068 AN, I GA-938</u> National Board, State, Province and Endorsements



# FORM NIS-2 OWNER'S REPORT FOR REPAIR/REPLACEMENT ACTIVITY

As Required By The Provisions Of The ASME Code Section XI

Traveler # 807745-T1

1. Owner Southern Nuclear Operating Company Date June 12, 2017  
 Name  
40 Inverness Center Parkway, Birmingham, AL  
 Address  
 Sheet 1 of 1
2. Plant Vogtle Electric Generating Plant Unit 1  
 Name  
Waynesboro, GA 30830  
 Address  
SNC807745  
 Repair/Replacement Organization P.O. No., Job No., etc.
3. Work Performed by Maintenance Department Type Code Symbol Stamp N/A  
 Name  
Plant Vogtle Authorization No. N/A  
 Address Expiration Date N/A
4. Identification of System 1202 / NSCW System
5. (a) Applicable Construction Code ASME Sec. III Edition, 1974 Addenda, Summer 1977 Code Case  
 (b) Applicable Edition of Section XI Used for Repair/Replacement Activity 2001 ed. 2003 ed.  
 (c) Applicable Section XI Code Case(s)

## 6. Identification Of Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Corrected, Removed, or Installed	ASME Code Stamped (Yes or No)
VALVE	VELAN	CR 10375757	N/A	1HV2261	CR 10375757	REMOVED	YES
VALVE	VELAN	162010	N/A	1HV2261	2016	INSTALLED	YES

## 7. Description of Work Replace 1HV2261

8. Test Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☒ Exempt ☐  
 Other ☐ Pressure \_\_\_\_\_ psi Test Temp. \_\_\_\_\_ °F

## 9. Remarks

Applicable Manufacturer's Data Reports to be attached

### CERTIFICATE OF COMPLIANCE

I certify that the statements made in the report are correct and that this conforms to the requirements of the ASME Code, Section XI.

Type Code Symbol Stamp N/A

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

Signed Michelle Pechin M. Burt Superintendent Date 6/12/17  
 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 Province of Georgia and employed by Hartford Steam Boiler Inspection and Insurance Co. of Connecticut of Hartford, Connecticut have inspected the components described in this Owner's Report during the period 08/22/16 to 06/12/17, 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.

Clyde Harrison Inspector's Signature Commissions NB#14068 A,N,I CA938  
 Date 12 June 2017 National Board, State, Province and Endorsements

# FORM NIS-2 OWNER'S REPORT FOR REPAIR/REPLACEMENT ACTIVITY

As Required By The Provisions Of The ASME Code Section XI

Traveler # 807745-T2

- Owner Southern Nuclear Operating Company  
Name  
40 Inverness Center Parkway, Birmingham, AL  
Address
- Plant Vogtle Electric Generating Plant  
Name  
Waynesboro, GA 30830  
Address
- Work Performed by Maintenance Department  
Name  
Plant Vogtle  
Address
- Identification of System 1202 / NSCW System
- (a) Applicable Construction Code ASME Sec. III Edition, 1974 Addenda, Summer 1977 Code Case  
(b) Applicable Edition of Section XI Used for Repair/Replacement Activity 2001 ed. 2003 ed.  
(c) Applicable Section XI Code Case(s)

Date June 12, 2017  
Sheet 1 of 1  
Unit 1  
SNC807745  
Repair/Replacement Organization P.O. No., Job No., etc.

Type Code Symbol Stamp N/A  
Authorization No. N/A  
Expiration Date N/A

## 6. Identification Of Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Corrected, Removed, or Installed	ASME Code Stamped (Yes or No)
VALVE	VELAN	CR 10375757	N/A	1HV2262	CR 10375757	REMOVED	YES
VALVE	VELAN	162022	N/A	1HV2262	2016	INSTALLED	YES

## 7. Description of Work Replace 1HV2262

8. Test Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☒ Exempt ☐  
Other ☐ Pressure \_\_\_\_\_ psi Test Temp. \_\_\_\_\_ °F

9. Remarks \_\_\_\_\_  
Applicable Manufacturer's Data Reports to be attached

## CERTIFICATE OF COMPLIANCE

I certify that the statements made in the report are correct and that this conforms to the requirements of the ASME Code, Section XI.

Type Code Symbol Stamp N/A

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

Signed [Signature] Superintendent Date 6/12/17  
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 Province of Georgia and employed by Hartford Steam Boiler Inspection and Insurance Co. of Connecticut of Hartford, Connecticut have inspected the components described in this Owner's Report during the period 08/22/16 to 06/12/17, 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]  
Inspector's Signature  
Clyde Harrison  
Date 12 June 2017

Commissions NB#4068 A.N.I GA938  
National Board, State, Province and Endorsements

# FORM NIS-2 OWNER'S REPORT FOR REPAIR/REPLACEMENT ACTIVITY

As Required By The Provisions Of The ASME Code Section XI

Traveler # 815932-T1

1. Owner Southern Nuclear Operating Company  
 Name 40 Inverness Center Parkway, Birmingham, AL  
 Address Waynesboro, GA 30830
2. Plant Vogtle Electric Generating Plant  
 Name Waynesboro, GA 30830  
 Address Waynesboro, GA 30830
3. Work Performed by Maintenance Department  
 Name Plant Vogtle  
 Address Waynesboro, GA 30830
4. Identification of System 1202/ Nuclear Service Cooling Water
5. (a) Applicable Construction Code ASME Sec. III Edition, 1974 Addenda, Summer 75  
 (b) Applicable Edition of Section XI Used for Repair/Replacement Activity 2001 ed. 2003 add.  
 (c) Applicable Section XI Code Case(s)
6. Identification Of Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Corrected, Removed, or Installed	ASME Code Stamped (Yes or No)
PUMP	BINGHAM WILLAMET	1A065	N/A	11202P4008	1983	CORRECTED	YES

7. Description of Work Fabrication and installation of seismic pin
8. Test Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☐ Exempt ☒  
 Other ☐ Pressure N/A psi Test Temp. N/A °F
9. Remarks See Item 7

Applicable Manufacturer's Data Reports to be attached

## CERTIFICATE OF COMPLIANCE

I certify that the statements made in the report are correct and that this conforms to the requirements of the ASME Code, Section XI.

Type Code Symbol Stamp N/A

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

Signed Michaela Biedron M. Biedron Superintendent Date 6/26/17  
 Owner of 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 Province of Georgia and employed by Hartford Steam Boiler Inspection and Insurance Co. of Connecticut of Hartford, Connecticut have inspected the components described in this Owner's Report during the period 09/28/16 to 06/26/17, 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.

Clyde Harrison  
 Inspector's Signature  
 Date 29 June 2017

Commissions NB#14068 A.N.I GA 938  
 National Board, State, Province and Endorsements

# FORM NIS-2 OWNER'S REPORT FOR REPAIR/REPLACEMENT ACTIVITY

As Required By The Provisions Of The ASME Code Section XI

Traveler # 821955-T1

- Owner Southern Nuclear Operating Company Date June 5, 2017  
40 Inverness Center Parkway, Birmingham, AL  
 Address Sheet 1 of 1
- Plant Vogtle Electric Generating Plant Unit 1  
Waynesboro, GA 30830  
 Address SNC 821955  
 Repair/Replacement Organization P.O. No., Job No., etc.
- Work Performed by Maintenance Department Type Code Symbol Stamp N/A  
Plant Vogtle Authorization No. N/A  
 Address Expiration Date N/A
- Identification of System 1208 / Chemical and Volume Control System
- (a) Applicable Construction Code ASME Sec. III Edition, 1977, WINTER 77 Addenda  
 (b) Applicable Edition of Section XI Used for Repair/Replacement Activity 2001 ED. 2003 ADD.  
 (c) Applicable Section XI Code Case(s)

## 6. Identification Of Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Corrected, Removed, or Installed	ASME Code Stamped (Yes or No)
PIPE SYSTEM	ENERGY & PROCESS CORP	N/A	N/A	1-1208-240-3"	1999	CORRECTED	YES

- Description of Work Replaced bolting at flange connections in 1-1208-240-3" piping system at 1-1208-T4-003

- Test Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☒ Exempt ☐  
 Other ☐ Pressure \_\_\_\_\_ psi Test Temp. \_\_\_\_\_ °F

- Remarks See Item 7

Applicable Manufacturer's Data Reports to be attached

## CERTIFICATE OF COMPLIANCE

I certify that the statements made in the report are correct and that this conforms to the requirements of the ASME Code, Section XI.

Type Code Symbol Stamp N/A  
 Certificate of Authorization No. N/A Expiration Date N/A  
 Signed [Signature] Superintendent Date 6/5/17  
 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 Province of Georgia and employed by Hartford Steam Boiler Inspection and Insurance Co. of Connecticut of Hartford, Connecticut, have inspected the components described in this Owner's Report during the period 3/23/10 to 06/07/17, 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 NB 14068 A.N.I GA 938  
 Inspector's Signature Clyde Harrison National Board, State, Province and Endorsements  
 Date 07 JUNE 2017

**As Required By The Provisions Of The ASME Code Section XI**

- |    |   |  |   |                      |
|----|---|--|---|----------------------|
| 1. | Owner   | <u>Southern Nuclear Operating Company</u><br>Name<br><u>40 Inverness Center Parkway, Birmingham, AL</u><br>Address | Date  | <u>MAY 31, 2017</u>  |
| 2. | Plant   | <u>Vogtle Electric Generating Plant</u><br>Name<br><u>Waynesboro, GA 30830</u><br>Address                          | Sheet   | <u>1</u> of <u>1</u> |
|    |   |  | Unit  | <u>1</u>             |
| 3. | Work Performed by   | <u>Maintenance Department</u><br>Name<br><u>Plant Vogtle</u><br>Address  | <u>SNC826516</u><br>Repair/Replacement Organization P.O. No., Job No., etc. |                      |
|    |   |  | Type Code Symbol Stamp  | <u>N/A</u>           |
|    |   |  | Authorization No.   | <u>N/A</u>           |
|    |   |  | Expiration Date   | <u>N/A</u>           |
| 4. | Identification of System  | <u>1208/Chemical and Volume Control</u>  |   |                      |
| 5. | (a) Applicable Construction Code  | <u>ASME Sec III</u> Edition, <u>1974</u> Addenda, <u>Winter 1975</u> Code Case                                     |   |                      |
|    | (b) Applicable Edition of Section XI Used for Repair/Replacement Activity | <u>2001, 2003 Add</u>  |   |                      |
|    | (c) Applicable Section XI Code Case(s)                                    |  |   |                      |
| 6. | Identification Of Components  |  |   |                      |

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Corrected, Removed, or Installed	ASME Code Stamped (Yes or No)
VALVE	WESTINGHOUSE ELETRICAL CORP	74107841455	N/A	11208U6111	1978	CORRECTED	YES

7. Description of Work Replacement of the Valve Bonnet
- 
8. Test Conducted:      Hydrostatic ☐    Pneumatic ☐    Nominal Operating Pressure ☒    Exempt ☐  
Other ☐    Pressure \_\_\_\_\_ psi    Test Temp. \_\_\_\_\_ °F
9. Remarks See Item 7
- Applicable Manufacturer's Data Reports to be attached

## CERTIFICATE OF COMPLIANCE

I certify that the statements made in the report are correct and that this conforms to the requirements of the ASME Code, Section XI.

Type Code Symbol Stamp N/A  
 Certificate of Authorization No. N/A Expiration Date N/A  
 Signed M. Beth Bodin M. Bodin Superintendent Date 5/31/17  
 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 Province of Georgia and employed by Hartford Steam Boiler Inspection and Insurance Co. of Connecticut of Hartford, Connecticut have inspected the components described in this Owner's Report during the period 11-10-16 to 06/07/17, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken

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 Clyde Harrison Commissions NB 14068 ANI GA938  
Date 07 June 2017 National Board, State, Province and Endorsements

# FORM NIS-2 OWNER'S REPORT FOR REPAIR/REPLACEMENT ACTIVITY

As Required By The Provisions Of The ASME Code Section XI

Traveler # 826516- T2

1. Owner Southern Nuclear Operating Company Date MAY 31, 2017  
 Name  
40 Inverness Center Parkway, Birmingham, AL  
 Address  
 Sheet 1 of 1
2. Plant Vogtle Electric Generating Plant Unit 1  
 Name  
Waynesboro, GA 30830  
 Address  
SNC826516  
 Repair/Replacement Organization P.O. No., Job No., etc.
3. Work Performed by Maintenance Department Type Code Symbol Stamp N/A  
 Name  
Plant Vogtle Authorization No. N/A  
 Address Expiration Date N/A
4. Identification of System 1208/Chemical and Volume Control
5. (a) Applicable Construction Code ASME Sec III Edition, 1977 Addenda, Winter 1977 Code Case  
 (b) Applicable Edition of Section XI Used for Repair/Replacement Activity 2001, 2003 Add  
 (c) Applicable Section XI Code Case(s)
6. Identification Of Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Corrected, Removed, or Installed	ASME Code Stamped (Yes or No)
VALVE	WESTINGHOUSE ELECTRICAL CORP	74107841459	N/A	11208U6074	1978	CORRECTED	YES

7. Description of Work Replacement of the Valve Bonnet

8. Test Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☒ Exempt ☐  
 Other ☐ Pressure \_\_\_\_\_ psi Test Temp. \_\_\_\_\_ °F

9. Remarks See Item 7

Applicable Manufacturer's Data Reports to be attached

## CERTIFICATE OF COMPLIANCE

I certify that the statements made in the report are correct and that this conforms to the requirements of the ASME Code, Section XI.

Type Code Symbol Stamp N/A  
 Certificate of Authorization No. N/A Expiration Date N/A

Signed Michael P. Reicher M. P. Reicher Superintendent Date 6/8/17  
 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 Province of Georgia and employed by Hartford Steam Boiler Inspection and Insurance Co. of Connecticut of Hartford, Connecticut have inspected the components described in this Owner's Report during the period 11-11-16 to 06/07/17, 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.

Clyde Harrison Inspector's Signature Commissions NB 14068 A,N,I GA938  
 Date 07 June 2017 National Board, State, Province and Endorsements



# FORM NIS-2 OWNER'S REPORT FOR REPAIR/REPLACEMENT ACTIVITY

As Required By The Provisions Of The ASME Code Section XI

Traveler # 852693-T1

- Owner Southern Nuclear Operating Company  
Name  
40 Inverness Center Parkway, Birmingham, AL  
Address
- Plant Vogtle Electric Generating Plant  
Name  
Waynesboro, GA 30830  
Address
- Work Performed by Maintenance Department  
Name  
Plant Vogtle  
Address
- Identification of System 1204/ Safety Injection System
- (a) Applicable Construction Code ASME Sec. III Edition, 1974 Addenda, Summer 1975  
(b) Applicable Edition of Section XI Used for Repair/Replacement Activity 2002 ed. 2005/6 add.  
(c) Applicable Section XI Code Case(s) N-504-4

Date June 19 2017  
Sheet 1 of 1  
Unit 1  
SNC 852693  
Repair/Replacement Organization P.O. No., Job No., etc.

Type Code Symbol Stamp N/A  
Authorization No. N/A  
Expiration Date N/A

## 6. Identification Of Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Corrected, Removed, or Installed	ASME Code Stamped (Yes or No)
PIPING	TUBECO	N/A	N/A	1-1204-246-PIPE	N/A	CORRECTED	YES

## 7. Description of Work Performance of Weld Overlay

8. Test Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☒ Exempt ☐  
Other ☐ Pressure N/A psi Test Temp. N/A °F

## 9. Remarks See Item 7

Applicable Manufacturer's Data Reports to be attached

### CERTIFICATE OF COMPLIANCE

I certify that the statements made in the report are correct and that this conforms to the requirements of the ASME Code, Section XI.

Type Code Symbol Stamp N/A  
Certificate of Authorization No. N/A Expiration Date N/A

Signed Michelle Padua M. Padua Superintendent Date 6/19/17  
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 Province of Georgia and employed by Hartford Steam Boiler Inspection and Insurance Co. of Connecticut of Hartford, Connecticut have inspected the components described in this Owner's Report during the period 03/26/17 to 06/21/17, 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.

Clyde Harrison  
Inspector's Signature  
Date 21 June 2017

Commissions NB#14068 A, N, I GA938  
National Board, State, Province and Endorsements

# FORM NIS-2 OWNER'S REPORT FOR REPAIR/REPLACEMENT ACTIVITY

As Required By The Provisions Of The ASME Code Section XI

Traveler # 853201-T1

1. Owner Southern Nuclear Operating Company  
Name  
40 Inverness Center Parkway, Birmingham, AL  
Address

Date MAY 31 2017  
Sheet 1 of 1

2. Plant Vogtle Electric Generating Plant  
Name  
Waynesboro, GA 30830  
Address

Unit 1  
SNC 853201  
Repair/Replacement Organization P.O. No., Job No., etc.

3. Work Performed by Maintenance Department  
Name  
Plant Vogtle  
Address

Type Code Symbol Stamp N/A  
Authorization No. N/A  
Expiration Date N/A

4. Identification of System 1201/ Reactor Coolant System

5. (a) Applicable Construction Code ASME Sec. III Edition, 1971 Addenda, Summer 1972  
(b) Applicable Edition of Section XI Used for Repair/Replacement Activity 2001 ed. 2003 add.  
(c) Applicable Section XI Code Case(s)

## 6. Identification Of Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Corrected, Removed, or Installed	ASME Code Stamped (Yes or No)
SNUBBER	PAUL MONROE	PM-25701 S/N 894	N/A	1-1201-B6-004-S08	1987	CORRECTED	YES

7. Description of Work Replacement of Tension and Compression Control Valves

8. Test Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☐ Exempt ☒  
Other ☐ Pressure N/A psi Test Temp. N/A °F

9. Remarks See Item 7

Applicable Manufacturer's Data Reports to be attached

## CERTIFICATE OF COMPLIANCE

I certify that the statements made in the report are correct and that this conforms to the requirements of the ASME Code, Section XI.

Type Code Symbol Stamp N/A  
Certificate of Authorization No. N/A Expiration Date N/A  
Signed Mitchell Bodine M. Bodine Superintendent Date 5/31/17  
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 Province of Georgia and employed by Hartford Steam Boiler Inspection and Insurance Co. of Connecticut of Hartford, Connecticut, have inspected the components described in this Owner's Report during the period 03/25/17 to 06/02/17, 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.

Clyde Harrison Inspector's Signature  
Date 02 June 2017  
Commissions NB14068 A, I GA 938  
National Board, State, Province and Endorsements

# FORM NIS-2 OWNER'S REPORT FOR REPAIR/REPLACEMENT ACTIVITY

As Required By The Provisions Of The ASME Code Section XI

Traveler # 853342-T1

1. Owner Southern Nuclear Operating Company  
 Name  
40 Inverness Center Parkway, Birmingham, AL  
 Address
2. Plant Vogtle Electric Generating Plant  
 Name  
Waynesboro, GA 30830  
 Address
3. Work Performed by Maintenance Department  
 Name  
Plant Vogtle  
 Address
4. Identification of System 1561/Piping Penetration Filtration and Exhaust System
5. (a) Applicable Construction Code ASME Sec III Edition, 1977 Addenda, Winter 1977 Code Case  
 (b) Applicable Edition of Section XI Used for Repair/Replacement Activity 2001, 2003 Add  
 (c) Applicable Section XI Code Case(s)

Date June 12, 2017  
 Sheet 1 of 1  
 Unit 1  
SNC853342  
 Repair/Replacement Organization P.O. No., Job No., etc.

Type Code Symbol Stamp N/A  
 Authorization No. N/A  
 Expiration Date N/A

## 6. Identification Of Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Corrected, Removed, or Installed	ASME Code Stamped (Yes or No)
HEAT EXCHANGE	WESTINGHOUSE ELECTRICAL CORP	8R210	N/A	11561E7002000	1981	CORRECTED	YES

## 7. Description of Work Replacement of Bolting

8. Test Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☒ Exempt ☐  
 Other ☐ Pressure \_\_\_\_\_ psi Test Temp. \_\_\_\_\_ °F

## 9. Remarks See Item 7

Applicable Manufacturer's Data Reports to be attached

### CERTIFICATE OF COMPLIANCE

I certify that the statements made in the report are correct and that this conforms to the requirements of the ASME Code, Section XI.

Type Code Symbol Stamp N/A

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

Signed Michelle Padua M. Padua Superintendent Date 6/12/17  
 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 Province of Georgia and employed by Hartford Steam Boiler Inspection and Insurance Co. of Connecticut of Hartford, Connecticut have inspected the components described in this Owner's Report during the period 03/28/17 to 06/12/17, 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.

Clyde Harrison  
 Inspector's Signature  
 Date 12 June 2017

Commissions NBH 14068 A.N.I GA 938  
 National Board, State, Province and Endorsements