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*Energy to Serve Your World™*

July 1, 2005

Docket No.: 50-424

NL-05-1103

U. S. Nuclear Regulatory Commission  
ATTN: Document Control Desk  
Washington, D. C. 20555-0001

Vogtle Electric Generating Plant  
Inservice Inspection Summary Report

Ladies and Gentlemen:

Southern Nuclear Operating Company (SNC) submits herewith the Vogtle Electric Generating Plant Unit 1, Interval 2, Period 3, Outage 1 Inservice Inspection Summary Report (Enclosure). This report describes and summarizes the inservice inspection activities performed during its spring 2005 maintenance/refueling outage. Paragraph IWA-6230 of the American Society of Mechanical Engineers (ASME) Boiler and Pressure Vessel Code, Section XI, 1989 Edition requires submittal of the enclosed report. Also included in the report are inspection results required by Vogtle Electric Generating Plant Technical Specification 5.6.10.b for submittal to the NRC within 12 months following completion of the steam generator tube examinations.

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.

The signed original and one copy of the subject report are provided for your review.

This letter contains no NRC commitments. If you have any questions, please advise.

Sincerely,

A handwritten signature in black ink, appearing to read "Don E. Grissette".

Don E. Grissette

DEG/DRG/daj

Enclosure: Inservice Inspection Summary Report Vogtle Electric Generating Plant  
Unit 1 – Refueling Outage (1R12)

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U. S. Nuclear Regulatory Commission

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cc: Southern Nuclear Operating Company

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U. S. Nuclear Regulatory Commission

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Mr. G. J. McCoy, Senior Resident Inspector – Vogtle

**VOGTLE ELECTRIC GENERATING PLANT**  
**UNIT 1**  
**TWELFTH MAINTENANCE/REFUELING OUTAGE**  
**(1R12)**  
**OWNER'S REPORT FOR INSERVICE INSPECTIONS**

# **OWNER'S REPORT FOR INSERVICE INSPECTIONS**

for the

**TWELFTH MAINTENANCE/REFUELING OUTAGE**

of

**VOGTLE ELECTRIC GENERATING PLANT, UNIT 1**  
(7821 River Road, Waynesboro, Georgia 30830)

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

**DOCUMENT COMPLETION DATE: July 2005**

Prepared by

**SOUTHERN NUCLEAR OPERATING COMPANY**  
(40 Inverness Center Parkway, P. O. Box 1295, Birmingham, Alabama 35201)

as

**LICENSEE AND OPERATING AGENT**

for

**GEORGIA POWER COMPANY**  
(241 Ralph McGill Boulevard, N.E., P. O. Box 4545, Atlanta, Georgia 30308-3374)

as

**OWNER**

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## 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

## **INTRODUCTION**

This report documents the examinations and tests performed at Vogtle Electric Generating Plant, Unit 1 (VEGP-1) between October 21, 2003 (date of last examination performed during the eleventh maintenance/refueling outage, 1R11) and April 9, 2005 (date of last examination performed during the twelfth maintenance/refueling outage, 1R12) to meet the requirements of Article IWA-6000 of the American Society of Mechanical Engineers (ASME) Boiler and Pressure Vessel Code, Section XI, 1989 Edition (Code). In addition, a summary of the following augmented examinations are included in this report:

- VEGP Technical Specification 5.5.9 - Steam Generator Tube Inspections

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 twelfth maintenance/refueling outage in April 2005. The Owner's Reports for Repairs and Replacements (Form NIS-2) are included herein.



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

1. Owner: Georgia Power Company, 241 Ralph McGill Blvd., N. E.  
P. O. Box 4545, Atlanta, Georgia 30308-3374
2. Plant: Vogtle Electric Generating Plant, 7821 River Road  
P. O. Box 1600, 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	7372	N/A	22004
Steam Generators 1 through 4.	Westinghouse Elec., Pensacola, FL	GAGT 1881, GAGT 1882, GAGT 1883, GAGT 1884	N/A	NA
Reactor Coolant Pump 2	Westinghouse Elec., Cheswick, PA	F1089	N/A	NA
Pressurizer	Westinghouse Elec., Pensacola, FL	62189	N/A	NA
Safety Injection Pump Train "B"	Westinghouse Elec., Pittsburgh, PA	52232	N/A	NA
Boron Injection Tank	Southwest Fabricating and Welding Co., Houston TX	0070	N/A	434
Residual Heat Removal Heat Exchanger, Train "B"	Joseph Oat Corp., Camden, NJ	2322-2B	N/A	1049
Selected Piping, Components, and Supports	Pullman Power Products, Williamsport, PA	System Numbers 1201, 1204, 1205, 1208, 1301, 1302 & 1305.	N/A	N/A

FORM NIS-1 (Back)

8. Examination Dates: October 21, 2003 to April 9, 2005
9. Inspection Period Identification: Third Period
10. Inspection Interval Identification: Second Inspection Interval
11. Applicable Edition of Section XI 1989 Addenda None
12. Date/Revision of Inspection Plan: January 12, 2005 / Revision 7,
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: Jan 24 2005

Signed: Southern Nuclear Operating  
Company, Inc. for  
Georgia Power Company  
Owner

By: J. W. N.

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 21, 2003 to April 9, 2005, 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.

M. B. Chapman  
Inspector's Signature

Commission: GA 203  
National Board, State, Province, and Endorsements

Date: 6-30 2005

## **ABSTRACT – ASME CLASS 1 AND 2**

### **Introduction/Status**

The ASME Boiler and Pressure Vessel Code, Section XI, 1989 Edition (Code), is the applicable code for conducting inservice inspection activities during the second 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 second inspection period examinations and tests which were performed between October 21, 2003 (date of last examination performed during the eleventh maintenance/refueling outage, 1R11) and April 9, 2005 (date of last examination performed during the twelfth maintenance/refueling outage, 1R12).

Risk Informed Program was approved by the NRC by letter dated September 30, 2003 and implemented during the VEGP 1R11 refueling outage (ASME Class 1 and Class 2 piping only).

By *Federal Register* Notice 64 FR 51370 dated September 22, 1999, 10CFR 50.55a(g)(6)(ii)(C), Implementation of Appendix VIII to Section XI, was incorporated into the rule to expedite implementation of Appendix VIII. The specific Supplements of Appendix VIII to Section XI, ASME Boiler and Pressure Vessel Code, 1995 Edition with the 1996 Addenda were implemented prior to the 1R12 maintenance/refueling outage as required.

In addition to the summary of inservice inspection activities, this report addresses Code-applicable repairs and replacements documented at VEGP-1 since 1R11 through the end of 1R12. Class 1 and Class 2 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 by Southern Nuclear Operating Company (SNC) personnel utilizing ultrasonic testing (UT), magnetic particle testing (MT), dye penetrant testing (PT), and visual testing (VT) methods, as applicable. Specific components and examination areas are itemized in the applicable portions of this document. A summary of those components examined are listed below:

- Reactor Pressure Vessel (RPV) Closure Head and Interior Surfaces,
  - Pressurizer, Dissimilar Welds and Head and Shell Welds,
  - Steam Generator Primary Nozzle Inner Radii, Channel Head Weld, and Manway Bolting,
  - Reactor Coolant Pump, Flange bolts, Manway Bolting, Sealwater Cap Screws and Housing Bolts, and Flywheel (TS 5.5.7) and
  - Piping welds.
- During the scope of VEGP-1 examinations conducted, no Class 1 components were observed to have either reportable UT, MT, or PT indications.

Four examinations had limited coverage due to the geometric configuration of the welded areas. More than ninety percent (90%) of the required volume must be examined as addressed in ASME Section XI Code Case N-460 for adequate ASME Section XI Code-required examination coverage to be attained. As noted herein, the subject code case has been approved by the NRC for use as documented in NRC Regulatory Guide 1.147. It is impractical to achieve the ASME Section XI Code-required coverage due to the geometric configuration of the welded areas. Three of the four limited examinations were submitted to the NRC through the relief request process prior to the 1R12 outage as allowed by 10 CFR 50.55a. The applicable relief request (RR-7 or RR-10) is indicated in the

remarks of the combined Class 1 and Class 2 Weld Examination table. In the case of the other limited examination, a relief request will need to be submitted to the NRC after the last outage of the ISI period. The applicable weld is indicated by "RR-Required" in the remarks of the combined Class 1 and Class 2 Weld Examination table.

The Eddy Current (ET) examinations of steam generator tubing, as required by VEGP Technical Specification 5.5.9, were performed by Westinghouse and are discussed in the "Augmented Inspections" portion of this document.

### Class 1 Pressure Test

Table IWB-2500-1, Examination Category B-P, of ASME Section XI requires the performance of a system leakage test (IWB-5221) each maintenance/refueling outage. This system leakage test (LT-1) was performed prior to plant startup following the refueling outage. These visual examinations revealed minor leakage and boron residue at mechanical connections. These leakage conditions were either corrected or evaluated and determined acceptable for continued system operation per approved plant procedures.

ASME Section XI, Subparagraph IWA-5242(a) requires removal of insulation from pressure-retaining bolted connections for VT-2 examination during system pressure testing for systems borated for the purposes of controlling reactivity. ASME Section XI Code Cases N-533-1 and N-616 were utilized during the refueling outage. These Code Cases were approved for use in Revision 13 of Regulatory Guide 1.147 dated June 2003. Case N-533-1 allows insulation to be removed while the connections are at atmospheric or static pressures. With the insulation removed a direct visual examination is performed to detect previously occurring leakage through the presence of boric acid crystals. Case N-616 allows the VT-2 examination to occur without insulation removal provided the bolting material is resistant to boric acid degradation.

The test boundary of the system leakage test includes both Class 1 and Class 2 components. The frequency for removal of insulation and direct visual examination for Class 1 pressure-retaining bolted connections is once each refueling outage (refer to Table IWB-2500-1, Examination Category B-P) and as such those activities occurred during the refueling outage. The Class 2 components comprise part of the reactor coolant pressure boundary but are not required to be classified as Class 1 per 10CFR50.55a(c)(2). The frequency for removal of insulation and direct visual examination for Class 2 pressure-retaining bolted connections is once each inspection period (refer to Table IWC-2500-1, Examination Category C-H). Those activities will be completed prior to the end of the inspection period.

### Class 2 Examinations

Selected Class 2 components were examined utilizing UT, PT and MT, as applicable. Specific components and examination areas are itemized in the applicable portions of this report document. A summary of those components examined are listed below:

- Steam Generator Welds,
- Boron Injection Tank Welds
- Residual Heat Removal Heat Exchanger Welds
- Safety Injection Pump and
- Piping Welds.

During the scope of VEGP-1 examinations conducted, no Class 2 components were observed to have either reportable UT, PT or MT indications.

Six examinations had limited coverage due to the geometric configuration of the welded areas. More than ninety percent (90%) of the required volume must be examined as addressed in ASME Section XI Code Case N-460 for adequate ASME Section XI Code-required examination coverage to be attained. As noted herein, the subject code case has been approved by the NRC for use as documented in NRC Regulatory Guide 1.147. It is impractical to achieve the ASME Section XI Code-required coverage due to the geometric configuration of the welded areas.

Three of the six limited examinations were submitted to the NRC through the relief request process prior to the 1R12 outage as allowed by 10 CFR 50.55a. The applicable relief request (RR-14 or RR-16) is indicated in the remarks of the combined Class 1 and Class 2 Weld Examination table. In the case of the remaining three limited examinations, a relief request will need to be submitted to the NRC after the last outage of the ISI period. The applicable three welds are indicated by "RR-Required" in the remarks of the combined Class 1 and Class 2 Weld Examination table.

### **Class 2 Pressure Tests**

Table IWC-2500-1, Examination Category C-H, of ASME Section XI requires system pressure testing each inspection period. The specific system pressure tests performed are itemized in the "Pressure Tests" portion of this report document. The visual examinations performed during these system pressure 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 per approved plant procedures.

ASME Section XI, Subparagraph IWA-5242(a) requires removal of insulation from pressure-retaining bolted connections for VT-2 examination during system pressure testing for systems boric acid for the purposes of controlling reactivity. ASME Section XI Code Cases N-533-1 and N-616 were utilized. These Code Cases were approved for use in Revision 13 of Regulatory Guide 1.147 dated June 2003. Case N-533-1 allows insulation to be removed while the connections are at atmospheric or static pressures. With the insulation removed a direct visual examination is performed to detect previously occurring leakage through the presence of boric acid crystals. Case N-616 allows the VT-2 examination to occur without insulation removal provided the bolting material is resistant to boric acid degradation.

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

Visual examinations were performed on supports for the following Class 1 and 2 components:

- Reactor Coolant System Equipment and Piping (1201),
- Safety Injection System Equipment and Piping (1204),
- Residual Heat Removal (1205),
- Containment Spray (1206),
- Chemical and Volume Control System Equipment and Piping (1208),
- Main Steam (1301),
- Auxiliary Feedwater (1302), and
- Condensate and Feedwater (1305).

The visual examination resulted in one support component having an unacceptable condition as follows:

- Residual Heat Removal System, Rigid Strut, (11205-003-H012). During visual examination, spherical bearings were frozen at both ends of strut. Refer to INF I05V1001.

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

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

The rulemaking contains a modification that requires a general visual examination once each period for Examination Category E-A, Containment surfaces. No general visual examination of the accessible surface areas of the Containment vessel pressure retaining boundary were scheduled or performed in 1R12.

### **Category E-B, Pressure-Retaining Welds**

The rulemaking contains a modification that makes examinations of Subsection IWE, Category E-B optional. SNC has chosen to not examine Category E-B welds at VEGP.

### **Category E-C, Containment Surfaces Requiring Augmented Examination**

Any existing surface areas likely to experience accelerated degradation and aging need to be identified. Such areas (if identified) require the performance of augmented examinations as defined in Examination Category E-C. There are no existing areas in VEGP-1 requiring Category E-C examination.

### **Category E-D, Seals, Gaskets, and Moisture Barriers**

During the VEGP-1 Spring 2005 maintenance/refueling outage, a VT-3 of 100% of the moisture barrier was performed in response to the NRC rulemaking to 10 CFR 50.55a, in which the requirements of Subsections IWE, to the 1992 Edition of ASME Section XI with 1992 Addenda, were invoked. The examination was performed by SNC personnel using VEGP procedure 85053-C, Revision 2, "Visual Examination for ASME XI Subsection IWE and IWL, and General Visual Examinations" and who were qualified per VEGP procedure 85001-C, Revision 11.1, "Qualification of Inspection, Examination, and Testing Personnel". This VT-3 examination of the moisture barrier confirmed the absence of any flaws or areas of degradation that may violate the leak tight integrity of Containment.

SNC has chosen to implement Request for Relief (RR-E-1) to allow leak tightness of seals and gaskets to be verified by 10 CFR 50, Appendix J Type B testing (LLRT). The NRC approved SNC's use of RR-E-1 in its June 16, 2000, letter to SNC. The Type B test results, along with the Type C test results, are available at the plant site for review upon request in accordance with 10 CFR 50 Appendix J Option B.

### **Category E-F, Pressure-Retaining Dissimilar Metal Welds**

The rulemaking contains a modification that makes examinations of Subsection IWE, Category E-F optional. SNC has chosen to not examine Category E-F welds at VEGP.

### **Category E-G, Pressure-Retaining Bolting**

One hundred percent (100%) of the accessible pressure-retaining bolting (bolts and studs) are required to be examined during the interval using a VT-1 visual examination method. No VT-1 examinations of the accessible Containment boundary pressure-retaining bolting were scheduled or performed during 1R12.

## **Technical Specification 5.5.9 - Steam Generator Tube Inspections**

### **NOTE**

The following discussion on the steam generator tubing inspections, in addition to fulfilling the reporting requirements of ASME Section XI for Inservice Inspection activities, constitutes the report required by VEGP Technical Specification 5.6.10.b to be submitted to the NRC within twelve (12) months following completion of the steam generator tube inspections. Accordingly, a separate submittal is not being made to the NRC on the inspection of the steam generator tubes performed during the twelfth maintenance/refueling outage (1R12) at VEGP-1.

### **Introduction**

During 1R12 the Steam Generator Maintenance Services Group of the Westinghouse Nuclear Services Division performed eddy current testing of two (2) Westinghouse Model F steam generators (SGs), numbers 1 and 4, in parallel from March 14 to April 2, 2005. At the start of 1R12 each SG had 5626 tubes with six (6) plugged tubes in SG 1 and fourteen (14) plugged tubes in SG 4. The base inspection scope for SGs 1 and 4 follows:

- 100% full length bobbin (except for Rows 1 and 2, which are inspected from tube end to tube support plate (TSP) #7 from both hot leg side (HL) and cold leg side (CL));
- 50% HL TTS,  $\pm 3$ ", mid-range +Point examination;
- 50% U-bend (Rows 1 and 2) +Point examination;
- Special interest +Point examination of areas identified during the bobbin inspection;
- 100% of the dents and dings  $\geq 5$  volts (by bobbin), not previously inspected, in the U-bend and HL areas with +Point examination;
- Special interest +Point examination of areas related possible loose parts;
- Visual inspection of tube plugs;
- Greater than 20% of total HL side expanded tubesheet section bulges (BLG) and over-expansions (OXP) +Point examination.

In addition to the above 1R12 data collected, a review was performed of all 1R10 Bobbin data for SG 1 and 4 to look for an artifact that indicated susceptibility to SCC found at Seabrook and Braidwood. There were no similar indications found in the Vogtle Unit 1 Bobbin data for SGs 1 and 4. The review was performed using information provided by the Electric Power Research Institute (EPRI) Steam Generator Management Program (SGMP). No potential ODSCC precursor signals at the TSPs were reported in those tubes which were identified in the review for special monitoring as being tubes potentially more susceptible to crack initiation at TSPs.

The initial sample of greater than 20% of total BLGs and OXPs in the tubesheet was selected from the region TTS -10" to +3", selecting from the largest BLG amplitudes in descending order and from the BLG locations with voltage  $>18V$  and where OXP  $>1.5$  mils diametral excess to the extent necessary to exceed the 20% sample. Expansion of the inspection occurred and is described in a later section.

This report satisfies the 12-month NRC report required by VEGP Technical Specification 5.6.10.b, in addition to fulfilling the ASME Section XI report for Inservice Inspection activities. Note that personnel qualifications, test equipment certifications, and calibration data are not in this report, but are contained in the Westinghouse Electric Company, Nuclear Service Division, Steam Generator Maintenance Services Field Service Report, MSR-FSR-1381-GAE. That report will be available at the plant site for review upon request.

### **Scope Expansion**

A scope expansion was implemented in accordance with Technical Specifications and EPRI Report 1003138, Pressurized Water Reactor Steam Generator Examination Guidelines, Table 3-2 due to crack indications detected in SG 4. The crack indications were in 2 tubes at BLG locations: a single circumferential indication within 1" of top of tubesheet (TTS) in 1 tube, and multiple circumferential indications within 2" of TTS in the other tube. The inspection in SG 4 was expanded to 100% of BLGs and OXPs in the tubesheet. The inspection was also expanded into SG 2 and SG 3, in which a sample inspection of greater than 20% of the tubesheet BLGs and OXPs was performed, with the initial sample in these SGs being selected similarly to the initial samples in SG 1 and SG 4. No additional crack indications were detected in the expanded inspections.

### **Tube Inspection Plan**

Steam generator tube inspections conducted during IR12 met or exceeded the recommendations made in the EPRI report 1003138 -V1R6, "PWR Steam Generator Examination Guidelines", which were adopted by SNC for steam generator tube inspections. The VEGP inspection plan requires that 100% of the tube population be inspected from two steam generators each outage, except for rows 1 and 2 U-bends which are inspected in accordance with the RPC program. This inspection plan meets the requirements of 1003138-V1R6 and is required by site procedure 84002-C, "Steam Generator Inspections and Reports". As stated previously, the scope expansions also met the requirements of 1003138-V1R6.

The Eddy Current inspection program was conducted in accordance with Westinghouse Field Procedure MRS 2.4.2 GPC-3 Rev. 11, "Eddy Current Inspection of Preservice and Inservice Heat Exchanger Tubing." Inspection probes used were in accordance with Probe Authorization, Revision 1. The test configurations and acquisition rates were in accordance with the Eddy Current Acquisition Technique Sheets (ACTS).

### **Data Evaluation**

Data collection was performed by Westinghouse using ROSA and the TC6700 tester. Data was sent from the site via two T-1 lines in the ANSER software format to the Westinghouse Waltz Mill, Pennsylvania facility. Westinghouse and its subcontractors performed the primary analysis of the eddy current data using Automated Data Screening (ADS) and STMax software for Data Management. Zetec performed the secondary analysis of the eddy current data at their Issaquah, Washington facility utilizing the EddyNet Computer Data Screening (CDS) system. Resolutions were performed jointly by Westinghouse and Zetec at the Vogtle site. In addition, an SNC Level III was located at the Vogtle site to facilitate the resolution of eddy current data and to perform the duties of the independent qualified data analyst (QDA). ANSER software was used for acquisition, data quality monitoring and for primary analysis. SNC site-specific Data Analysis Guidelines and procedure MRS 2.4.2 GPC-37, Rev. 11, "Steam Generator Eddy Current Data Analysis Techniques for Vogtle Units 1 and 2", were used to perform the analysis.

### **Tube Wear**

Tables 1 – 4 list the locations and percent of wall thickness penetration for indications in all tubes having indications identified during the IR12 inspection, including expansions.

### **Tube Plugging**

Two tubes in SG 4 were plugged in IR12 with mechanical plugs as listed in Table 1 below because of multiple circumferential indications (MCI) detected in R11C88 and a single circumferential indication (SCI) detected in R6C101. The indications were attributed to Primary Water Stress Corrosion Cracking (PWSCC). Both tubes had stabilizers installed in the hot leg side. No tubes in SG 1, SG 2, or SG 3 were plugged.



Mechanical tube plugging was performed in accordance with Westinghouse Field Procedure MRS 2.3.2 GPC-13 Rev. 3, Mechanical Plugging of Steam Generator Tubes for Vogtle Site. Pursuant to Vogtle Technical Specification 5.6.10.a, a 15-day report was submitted to the NRC and identified the number of steam generator tubes plugged during 1R12. The subject report was submitted to the NRC by SNC letter NL-05-0688, on 4/12/05.

### **Final Results**

Inspection was performed in all four VEGP Unit 1 SGs. SG 1 and SG 4 were inspected as part of the original base scope, with inspections in SG 2, SG 3, and SG 4 expanded consistent with TS and EPRI guidelines requirements. The required expansion for SG 1 was met by the initial eddy current sample. There are three (3) tube degradation mechanisms in the Vogtle 1 SGs: AVB wear, PWSCC in tube sheet joint bulge locations, and loose parts wear. The wear at AVBs continues to progress very slowly, in line with predictions and consistent with industry experience and trends. The progression of tube wear associated with loose parts is very slight and reflects the attention paid to secondary side cleanliness. The two tubes with PWSCC in the tubesheet joint bulges were free from detectable degradation in 1R8; thus the modest extent of the 1R12 indications suggests slow progression after initiation.

### **AVB Wear**

AVB wear is the only systematic degradation mechanism that has been observed at Vogtle 1. Based on application of conservative AVB wear growth rates, the condition of the Vogtle 1 SG 2 and SG 3 tubes have been analyzed with respect to continued operability of the SGs until the end of Cycle 13, without exceeding the structural integrity recommendations of draft Reg. Guide 1.121. For SG 1 and SG 4 the growth rates were determined by comparative analysis of AVB wear sites from 1R10 and 1R12. The growth values obtained were not large enough to present a likelihood that conditions exceeding Reg. Guide 1.121 structural limit would occur during the estimated 2.8 EFPY operating interval from 1R12 to 1R14 for SGs 1 and 4, nor during the estimated 2.8 EFPY operating interval from 1R11 to 1R13 for SG 2 and SG 3.

### **PWSCC in Tubesheet Joint Bulges**

Given the small number of crack indications detected during 1R12, and the fact that they are found below the TTS in specifically targeted BLG/OXP locations, that they are precluded from burst, and did not present characteristics that challenged tube performance criteria during Cycle 12, it can be assumed that the incidence of such cracks during Cycle 13 will not differ significantly from what was observed during 1R12. Therefore it is expected that for SG1-4 the performance criteria for operations until 1R13 (1.4 EFPY estimated operating interval) will not be exceeded. The analysis of Cycle 13 with respect to circumferential PWSCC found in 2 tubes in SG4 will demonstrate on the basis of industry experience and the limited number and relative small sizes of the cracks observed that the incidence of cracks presenting a challenge to the tube integrity performance criteria is very unlikely during Cycle 13.

### **Foreign Objects**

The small foreign object identified in the secondary side inspections in SG 1 (4/97 and 5/96) is fixed in place and poses no challenge to tube integrity during the operating interval encompassing Cycles 13 and 14. Review of the IN2002-02 information relative to the potential damage due to severing previously plugged tubes was not relevant since there were no visual or EC indications of significant loose parts wear.

Attached are the Westinghouse tables listing the percent of wall thickness penetration for indications identified during the 1R12 inspection in Steam Generators 1 through 4.

TABLE 1 - SG 1 PERCENT WALL THICKNESS PENETRATION FOR EACH INDICATION

SG - 1 LISTING OF UIR12 PERCENT THROUGH WALL INDICATIONS (TECH SPEC REPORTING REQUIREMENT)

Vogtle 1 UIR12

GAE 20050301

03/31/2005 22:35:14

ROW	COL	VOLTS	DEG	IND	PER	CHN	LOCN	INCH1	INCH2	I	CRLEN	CRWID	CEG	BEGT	ENDT	PDIA	PTYPE	CAL	LI
38	16	.52	0	PCT	17	P2	AV2	.03						TEH	TEC	.560	RBARH	14	C
38	16	.49	0	PCT	16	P2	AV3	.10						TEH	TEC	.560	RBARH	14	C
38	16	1.57	0	PCT	32	P2	AV4	.00						TEH	TEC	.560	RBARH	14	C
38	16	.33	0	PCT	12	P2	AV5	.13						TEH	TEC	.560	RBARH	14	C
35	18	.44	0	PCT	14	P2	AV6	.14						TEH	TEC	.560	RBARH	18	C
41	18	.40	0	PCT	13	P2	AV4	.08						TEH	TEC	.560	RBARH	18	C
41	18	.26	0	PCT	10	P2	AV5	.00						TEH	TEC	.560	RBARH	18	C
41	18	.45	0	PCT	15	P2	AV6	.03						TEH	TEC	.560	RBARH	18	C
40	20	.32	0	PCT	11	P2	AV4	-.03						TEH	TEC	.560	RBARH	18	C
43	21	1.17	0	PCT	27	P2	AV5	.00						TEH	TEC	.560	RBARH	20	C
43	21	.32	0	PCT	11	P2	AV6	.08						TEH	TEC	.560	RBARH	20	C
44	21	.43	0	PCT	14	P2	AV5	.00						TEH	TEC	.560	RBARH	20	C
41	23	.34	0	PCT	11	P2	AV4	.00						TEH	TEC	.560	RBARH	20	C
49	27	.31	0	PCT	10	P2	AV3	.00						TEH	TEC	.560	ZBALC	102	C
50	29	.25	0	PCT	10	P2	AV1	-.05						TEH	TEC	.560	RBARH	100	C
50	29	.30	0	PCT	11	P2	AV2	-.05						TEH	TEC	.560	RBARH	100	C
45	30	.36	0	PCT	12	P2	AV3	.00						TEH	TEC	.560	ZBALC	98	C
52	33	.54	0	PCT	16	P2	AV2	.00						TEH	TEC	.560	ZBALC	98	C
52	33	.57	0	PCT	17	P2	AV3	.00						TEH	TEC	.560	ZBALC	98	C
40	34	.27	0	PCT	8	P2	AV2	.00						TEH	TEC	.560	ZBALC	98	C
40	34	.45	0	PCT	14	P2	AV4	.00						TEH	TEC	.560	ZBALC	98	C
40	34	.34	0	PCT	11	P2	AV6	.00						TEH	TEC	.560	ZBALC	98	C
42	34	.45	0	PCT	14	P2	AV4	.00						TEH	TEC	.560	ZBALC	98	C
54	36	.23	0	PCT	9	P2	AV2	.00						TEH	TEC	.560	RBARH	100	C
42	37	.34	0	PCT	13	P2	AV6	-.03						TEH	TEC	.560	RBARH	100	C
54	37	.27	0	PCT	10	P2	AV1	.00						TEH	TEC	.560	RBARH	100	C
54	37	.39	0	PCT	14	P2	AV6	.08						TEH	TEC	.560	RBARH	100	C
52	39	.76	0	PCT	23	P2	AV2	.00						TEH	TEC	.560	RBARH	100	C
52	39	1.43	0	PCT	32	P2	AV3	-.10						TEH	TEC	.560	RBARH	100	C
52	39	1.07	0	PCT	28	P2	AV4	-.08						TEH	TEC	.560	RBARH	100	C
52	39	.36	0	PCT	13	P2	AV5	-.08						TEH	TEC	.560	RBARH	100	C
53	39	.31	0	PCT	12	P2	AV6	.00						TEH	TEC	.560	RBARH	100	C
42	43	.28	0	PCT	11	P2	AV2	.03						TEH	TEC	.560	RBARH	104	C
42	43	.24	0	PCT	9	P2	AV3	.16						TEH	TEC	.560	RBARH	104	C
42	43	.30	0	PCT	11	P2	AV4	-.08						TEH	TEC	.560	RBARH	104	C
42	43	.37	0	PCT	14	P2	AV5	-.16						TEH	TEC	.560	RBARH	104	C
41	44	.62	0	PCT	18	P2	AV2	.00						TEH	TEC	.560	ZBALC	102	C
41	44	1.47	0	PCT	30	P2	AV3	.00						TEH	TEC	.560	ZBALC	102	C
52	44	.97	0	PCT	23	P2	AV4	.00						TEH	TEC	.560	ZBALC	94	C
57	44	.62	0	PCT	20	P2	AV4	.05						TEH	TEC	.560	RBARH	96	C
57	44	2.01	100	PCT	38	P2	AV5	.03						TEH	TEC	.560	RBARH	96	C
57	44	.32	0	PCT	11	P2	AV6	.03						TEH	TEC	.560	RBARH	96	C
54	45	.21	0	PCT	7	P2	AV2	-.05						TEH	TEC	.560	RBARH	96	C
57	45	.67	0	PCT	21	P2	AV2	-.23						TEH	TEC	.560	RBARH	96	C
57	45	1.57	0	PCT	34	P2	AV3	.03						TEH	TEC	.560	RBARH	96	C
57	45	.30	0	PCT	10	P2	AV5	.13						TEH	TEC	.560	RBARH	96	C
57	45	.43	0	PCT	15	P2	AV6	-.13						TEH	TEC	.560	RBARH	96	C
40	47	.95	0	PCT	26	P2	AV3	.00						TEH	TEC	.560	RBARH	104	C
40	47	1.23	0	PCT	30	P2	AV4	.00						TEH	TEC	.560	RBARH	104	C
40	47	.28	0	PCT	11	P2	AV5	.00						TEH	TEC	.560	RBARH	104	C
40	47	.35	0	PCT	13	P2	AV6	.00						TEH	TEC	.560	RBARH	104	C
39	48	.36	0	PCT	12	P2	AV2	.00						TEH	TEC	.560	ZBALC	102	C
39	48	.69	0	PCT	20	P2	AV3	.00						TEH	TEC	.560	ZBALC	102	C
39	48	.61	0	PCT	18	P2	AV4	.00						TEH	TEC	.560	ZBALC	102	C
39	48	.41	0	PCT	13	P2	AV5	.00						TEH	TEC	.560	ZBALC	102	C

ROW	COL	VOLTS	DEG	IND	PER	CHN	LOCN	INCH1	INCH2	I	CRLEN	CRWID	CEG	BEGT	ENDT	PDIA	PTYPE	CAL	LI
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TABLE 1 - SG 1 PERCENT WALL THICKNESS PENETRATION FOR EACH INDICATION

SG - 1 LISTING OF UIR12 PERCENT THROUGH WALL INDICATIONS (TECH SPEC REPORTING REQUIREMENT)																			
Vogtle 1 UIR12										GAE 20050301				03/31/2005 22:35:14					
ROW	COL	VOLTS	DEG	IND	PER	CHN	LOCN	INCH1	INCH2	I	CRLEN	CRWID	CEG	BEGT	ENDT	PDIA	PTYPE	CAL	L
41	51	.29	0	PCT	11	P2	AV4	-.05						TEH	TEC	.560	RBARH	104	C
54	53	.27	0	PCT	9	P2	AV2	.03						TEH	TEC	.560	RBARH	96	C
54	53	.25	0	PCT	9	P2	AV3	.00						TEH	TEC	.560	RBARH	96	C
40	62	.37	0	PCT	11	P2	AV5	.00						TEH	TEC	.560	ZBALC	106	C
59	62	.27	0	PCT	9	P2	AV6	.00						TEH	TEC	.560	RBARH	116	C
40	75	.24	0	PCT	8	P2	AV3	.00						TEH	TEC	.560	ZBALC	82	C
58	75	.27	0	PCT	8	P2	AV1	.00						TEH	TEC	.560	ZBALC	110	C
58	76	.30	0	PCT	7	P2	AV6	.00						TEH	TEC	.560	ZBALC	110	C
37	77	.32	0	PCT	7	P2	AV3	.36						TEH	TEC	.560	ZBALC	110	C
37	77	.27	0	PCT	6	P2	AV6	.03						TEH	TEC	.560	ZBALC	110	C
57	78	.39	0	PCT	14	P2	AV6	.03						TEH	TEC	.560	ZBALC	84	C
41	80	.33	0	PCT	12	P2	AV3	.00						TEH	TEC	.560	ZBALC	84	C
44	80	.25	0	PCT	9	P2	AV4	.15						TEH	TEC	.560	ZBALC	84	C
43	81	.40	0	PCT	13	P2	AV4	.00						TEH	TEC	.560	ZBALC	82	C
43	81	.25	0	PCT	8	P2	AV5	.00						TEH	TEC	.560	ZBALC	82	C
43	82	.36	0	PCT	13	P2	AV3	.00						TEH	TEC	.560	ZBALC	84	C
43	83	.25	0	PCT	8	P2	AV1	.00						TEH	TEC	.560	ZBALC	82	C
43	83	.39	0	PCT	13	P2	AV3	.00						TEH	TEC	.560	ZBALC	82	C
43	83	.75	0	PCT	20	P2	AV4	.00						TEH	TEC	.560	ZBALC	82	C
43	83	.41	0	PCT	13	P2	AV5	.00						TEH	TEC	.560	ZBALC	82	C
54	83	.26	0	PCT	11	P2	AV1	.00						TEH	TEC	.560	ZBALC	70	C
54	83	.38	0	PCT	15	P2	AV6	.10						TEH	TEC	.560	ZBALC	70	C
43	85	.31	0	PCT	11	P2	AV2	.26						TEH	TEC	.560	ZBALC	84	C
39	87	.25	0	PCT	8	P2	AV4	.03						TEH	TEC	.560	ZBALC	88	C
48	87	.34	0	PCT	14	P2	AV6	.13						TEH	TEC	.560	ZBALC	70	C
53	87	.29	0	PCT	12	P2	AV3	.00						TEH	TEC	.560	ZBALC	70	C
49	88	.32	0	PCT	11	P2	AV4	.06						TEH	TEC	.560	ZBALC	70	C
39	90	.23	0	PCT	8	P2	AV2	.00						TEH	TEC	.560	RBARH	60	C
39	90	.31	0	PCT	11	P2	AV3	.00						TEH	TEC	.560	RBARH	60	C
45	90	.37	0	PCT	12	P2	AV2	.00						TEH	TEC	.560	ZBALC	82	C
45	90	.26	0	PCT	9	P2	AV3	.00						TEH	TEC	.560	ZBALC	82	C
53	90	.54	0	PCT	15	P2	AV6	.00						TEH	TEC	.560	ZBALC	82	C
43	91	1.48	0	PCT	32	P2	AV2	.00						TEH	TEC	.560	ZBALC	84	C
43	91	.61	0	PCT	19	P2	AV3	.00						TEH	TEC	.560	ZBALC	84	C
43	91	.42	0	PCT	14	P2	AV4	.00						TEH	TEC	.560	ZBALC	84	C
52	91	.34	0	PCT	12	P2	AV1	-.05						TEH	TEC	.560	ZBALC	84	C
48	97	.35	0	PCT	12	P2	AV1	.00						TEH	TEC	.560	RBARH	66	C
47	99	.31	0	PCT	10	P2	AV2	.00						TEH	TEC	.560	RBARH	68	C
27	100	.25	0	PCT	8	P2	AV5	.00						TEH	TEC	.560	ZBALC	58	C
37	102	.48	0	PCT	15	P2	AV5	.00						TEH	TEC	.560	RBARH	60	C
35	104	.31	0	PCT	11	P2	AV3	.00						TEH	TEC	.560	RBARH	60	C
39	104	.30	0	PCT	11	P2	AV4	.00						TEH	TEC	.560	ZBALC	62	C
39	104	.27	0	PCT	10	P2	AV5	.00						TEH	TEC	.560	ZBALC	62	C
40	104	.30	0	PCT	11	P2	AV4	.00						TEH	TEC	.560	ZBALC	62	C
42	104	.48	0	PCT	16	P2	AV6	-.05						TEH	TEC	.560	ZBALC	62	C
36	105	.31	0	PCT	11	P2	AV3	.03						TEH	TEC	.560	RBARH	66	C

TABLE 1 - SG 1 PERCENT WALL THICKNESS PENETRATION FOR EACH INDICATION

SG - 1 LISTING OF UIR12 PERCENT THROUGH WALL INDICATIONS (TECH SPEC REPORTING REQUIREMENT)																			
Vogtle 1 UIR12										GAE 20050301				03/31/2005 22:35:14					
ROW	COL	VOLTS	DEG	IND	PER	CHN	LOCN	INCH1	INCH2	I	CRLEN	CRWID	CEG	BEGT	ENDT	PDIA	PTYPE	CAL	LI
38	108	.26	0	PCT	9	P2	AV6	.05						TEH	TEC	.560	ZBALC	62	C
27	115	.29	0	PCT	11	P2	AV1	.00						TEH	TEC	.560	RBARH	66	C
27	115	.31	0	PCT	11	P2	AV6	.18						TEH	TEC	.560	RBARH	66	C
28	115	.38	0	PCT	13	P2	AV1	.18						TEH	TEC	.560	RBARH	66	C
28	115	1.17	0	PCT	27	P2	AV6	.00						TEH	TEC	.560	RBARH	66	C
23	116	.34	0	PCT	11	P2	AV6	.00						TEH	TEC	.560	ZBALC	62	C
24	116	.39	0	PCT	13	P2	AV6	.23						TEH	TEC	.560	RBARH	66	C
26	116	.34	0	PCT	12	P2	AV1	.00						TEH	TEC	.560	RBARH	66	C
26	116	.69	0	PCT	20	P2	AV6	.00						TEH	TEC	.560	RBARH	66	C

Tubes: 66 Records: 110

TABLE 2 – SG 2 PERCENT WALL THICKNESS PENETRATION FOR EACH INDICATION

SG - 2 LISTING OF U1R12 PERCENT THROUGH WALL INDICATIONS (TECH SPEC REPORTING REQUIREMENT)

Vogtle 1 U1R12

GAE 20050301

05/16/2005 14:20:48

ROW	COL	VOLTS	DEG	IND	PER	CHN	LOCN	INCH1	INCH2	I	CRLEN	CRWID	CEG	BEGT	ENDT	PDIA	PTYPE	CAL	LJ

TABLE 3 – SG 3 PERCENT WALL THICKNESS PENETRATION FOR EACH INDICATION

SG - 3 LISTING OF U1R12 PERCENT THROUGH WALL INDICATIONS (TECH SPEC REPORTING REQUIREMENT)

Vogtle 1 U1R12

GAE 20050301

05/16/2005 14:20:48

ROW	COL	VOLTS	DEG	IND	PER	CHN	LOCN	INCH1	INCH2	I	CRLEN	CRWID	CEG	BEGT	ENDT	PDIA	PTYPE	CAL	L

TABLE 4 - SG 4 PERCENT WALL THICKNESS PENETRATION FOR EACH INDICATION

SG - 4 LISTING OF U1R12 PERCENT THROUGH WALL INDICATIONS (TECH SPEC REPORTING REQUIREMENT)																			
Vogtle 1 U1R12										GAE 20050301				03/31/2005 22:35:15					
ROW	COL	VOLTS	DEG	IND	PER	CHN	LOCN	INCH1	INCH2	I	CRLEN	CRWID	CEG	BEGT	ENDT	PDIA	PTYPE	CAL	L
27	8	.47	0	PCT	17	P2	AV6	.00						TEH	TEC	.560	RBARH	24	C
27	9	.51	0	PCT	16	P2	AV5	.00						TEH	TEC	.560	RBARH	2	C
30	9	.47	0	PCT	15	P2	AV2	.00						TEH	TEC	.560	RBARH	2	C
30	9	1.68	0	PCT	33	P2	AV5	1.01						TEH	TEC	.560	RBARH	2	C
33	12	.26	0	PCT	9	P2	AV2	.15						TEH	TEC	.560	RBARH	2	C
33	12	.22	0	PCT	8	P2	AV3	.00						TEH	TEC	.560	RBARH	2	C
33	12	.28	0	PCT	10	P2	AV6	-.10						TEH	TEC	.560	RBARH	2	C
36	13	.22	0	PCT	9	P2	AV2	.00						TEH	TEC	.560	RBARH	20	C
36	14	.18	0	PCT	8	P2	AV1	.00						TEH	TEC	.560	RBARH	20	C
30	20	.15	0	PCT	6	P2	AV2	.00						TEH	TEC	.560	RBARH	20	C
45	22	.26	0	PCT	11	P2	AV5	.00						TEH	TEC	.560	RBARH	16	C
39	23	.24	0	PCT	10	P2	AV3	.00						TEH	TEC	.560	RBARH	16	C
41	23	.22	0	PCT	9	P2	AV2	.00						TEH	TEC	.560	RBARH	16	C
32	25	.16	0	PCT	7	P2	AV4	.00						TEH	TEC	.560	RBARH	20	C
40	25	.22	0	PCT	9	P2	AV3	.00						TEH	TEC	.560	RBARH	16	C
40	29	.22	0	PCT	7	P2	AV2	.08						TEH	TEC	.560	RBARH	12	C
33	34	.33	0	PCT	12	P2	AV3	.00						TEH	TEC	.560	RBARH	10	C
33	34	.24	0	PCT	9	P2	AV4	.15						TEH	TEC	.560	RBARH	10	C
33	34	.33	0	PCT	12	P2	AV5	.10						TEH	TEC	.560	RBARH	10	C
54	36	.31	0	PCT	11	P2	AV5	.00						TEH	TEC	.560	RBARH	10	C
54	38	.23	0	PCT	8	P2	AV1	.05						TEH	TEC	.560	RBARH	12	C
36	39	.69	0	PCT	21	P2	AV3	.05						TEH	TEC	.560	RBARH	12	C
40	39	.24	0	PCT	8	P2	AV3	.10						TEH	TEC	.560	RBARH	12	C
41	39	.25	0	PCT	9	P2	AV3	.00						TEH	TEC	.560	RBARH	12	C
28	40	.43	0	PCT	15	P2	AV5	.00						TEH	TEC	.560	RBARH	24	C
30	40	.48	0	PCT	15	P2	AV5	.00						TEH	TEC	.560	RBARH	10	C
55	40	.36	0	PCT	12	P2	AV6	.00						TEH	TEC	.560	RBARH	10	C
56	41	.36	0	PCT	12	P2	AV5	.00						TEH	TEC	.560	RBARH	14	C
27	43	.31	0	PCT	11	P2	AV5	-.10						TEH	TEC	.560	RBARH	48	C
43	46	.56	0	PCT	19	P2	AV6	-.10						TEH	TEC	.560	RBARH	50	C
58	48	.37	0	PCT	13	P2	AV5	.00						TEH	TEC	.560	RBARH	48	C
27	51	.34	0	PCT	12	P2	AV2	.00						TEH	TEC	.560	RBARH	64	C
39	51	.28	0	PCT	10	P2	AV3	-.46						TEH	TEC	.560	RBARH	44	C
39	51	.35	0	PCT	12	P2	AV4	-.18						TEH	TEC	.560	RBARH	44	C
39	51	.33	0	PCT	11	P2	AV5	-.13						TEH	TEC	.560	RBARH	44	C
39	51	.46	0	PCT	15	P2	AV6	.00						TEH	TEC	.560	RBARH	44	C
38	52	.22	0	PCT	8	P2	AV3	-.56						TEH	TEC	.560	RBARH	44	C
38	52	.24	0	PCT	9	P2	AV4	-.51						TEH	TEC	.560	RBARH	44	C
49	54	.55	0	PCT	19	P2	AV2	.35						TEH	TEC	.560	RBARH	50	C
49	54	.91	0	PCT	26	P2	AV3	.10						TEH	TEC	.560	RBARH	50	C
49	54	1.23	0	PCT	31	P2	AV4	.10						TEH	TEC	.560	RBARH	50	C
49	54	.69	0	PCT	22	P2	AV5	-.03						TEH	TEC	.560	RBARH	50	C
38	55	.23	0	PCT	8	P2	AV4	.00						TEH	TEC	.560	RBARH	44	C
57	55	.34	0	PCT	12	P2	AV6	.00						TEH	TEC	.560	RBARH	48	C
39	56	.41	0	PCT	14	P2	AV3	.00						TEH	TEC	.560	RBARH	52	C
39	56	.37	0	PCT	13	P2	AV4	.00						TEH	TEC	.560	RBARH	52	C
39	58	.23	0	PCT	8	P2	AV3	.00						TEH	TEC	.560	RBARH	64	C
ROW	COL	VOLTS	DEG	IND	PER	CHN	LOCN	INCH1	INCH2	I	CRLEN	CRWID	CEG	BEGT	ENDT	PDIA	PTYPE	CAL	L

TABLE 4 – SG 4 PERCENT WALL THICKNESS PENETRATION FOR EACH INDICATION

SG - 4 LISTING OF UIR12 PERCENT THROUGH WALL INDICATIONS (TECH SPEC REPORTING REQUIREMENT)																			
Vogtle 1 UIR12										GAE 20050301			03/31/2005 22:35:15						
ROW	COL	VOLTS	DEG	IND	PER	CHN	LOCN	INCH1	INCH2	I	CRLEN	CRWID	CEG	BEGT	ENDT	PDIA	PTYPE	CAL	L
39	58	.44	0	PCT	15	P2	AV4	.05						TEH	TEC	.560	RBARH	64	C
39	58	.36	0	PCT	12	P2	AV6	.38						TEH	TEC	.560	RBARH	64	C
39	62	.20	0	PCT	7	P2	AV4	.05						TEH	TEC	.560	RBARH	64	C
40	62	.68	0	PCT	23	P2	AV2	-.15						TEH	TEC	.560	RBARH	70	C
40	62	1.40	0	PCT	33	P2	AV3	-.10						TEH	TEC	.560	RBARH	70	C
40	62	.91	0	PCT	27	P2	AV4	.23						TEH	TEC	.560	RBARH	70	C
40	62	.29	0	PCT	12	P2	AV5	.18						TEH	TEC	.560	RBARH	70	C
50	63	.43	0	PCT	15	P2	AV2	-.08						TEH	TEC	.560	RBARH	106	C
50	63	.62	0	PCT	19	P2	AV3	-.15						TEH	TEC	.560	RBARH	106	C
50	63	.60	0	PCT	19	P2	AV4	.18						TEH	TEC	.560	RBARH	106	C
28	65	.29	0	PCT	10	P2	AV5	-.17						TEH	TEC	.560	RBARH	64	C
58	65	.32	0	PCT	13	P2	AV1	.00						TEH	TEC	.560	RBARH	56	C
43	66	.36	0	PCT	13	P2	AV2	.00						TEH	TEC	.560	RBARH	106	C
43	66	.40	0	PCT	14	P2	AV3	.00						TEH	TEC	.560	RBARH	106	C
58	73	.34	0	PCT	14	P2	AV6	.13						TEH	TEC	.560	RBARH	58	C
38	74	.22	0	PCT	9	P2	AV2	.12						TEH	TEC	.560	RBARH	72	C
39	75	.45	0	PCT	16	P2	AV5	.00						TEH	TEC	.560	RBARH	74	C
39	75	.15	0	PCT	7	P2	AV6	.00						TEH	TEC	.560	RBARH	74	C
38	76	.34	0	PCT	12	P2	AV3	-.15						TEH	TEC	.560	RBARH	72	C
38	76	.51	0	PCT	17	P2	AV4	-.20						TEH	TEC	.560	RBARH	72	C
38	76	.22	0	PCT	9	P2	AV6	-.10						TEH	TEC	.560	RBARH	72	C
50	76	.35	0	PCT	15	P2	AV3	.03						TEH	TEC	.560	RBARH	58	C
50	76	.99	0	PCT	28	P2	AV5	.03						TEH	TEC	.560	RBARH	58	C
40	78	.49	0	PCT	17	P2	AV2	.00						TEH	TEC	.560	RBARH	110	C
40	78	.46	0	PCT	16	P2	AV3	.00						TEH	TEC	.560	RBARH	110	C
36	79	.35	0	PCT	13	P2	AV4	.00						TEH	TEC	.560	RBARH	110	C
56	81	.30	0	PCT	13	P2	AV6	-.08						TEH	TEC	.560	RBARH	58	C
28	82	.25	0	PCT	10	P2	AV5	.00						TEH	TEC	.560	RBARH	90	C
40	82	.62	0	PCT	19	P2	AV3	-.13						TEH	TEC	.560	RBARH	78	C
40	82	.98	0	PCT	26	P2	AV4	.10						TEH	TEC	.560	RBARH	78	C
55	82	.32	0	PCT	13	P2	AV5	.00						TEH	TEC	.560	RBARH	56	C
40	84	.31	0	PCT	11	P2	AV2	.08						TEH	TEC	.560	RBARH	78	C
40	84	.20	0	PCT	7	P2	AV5	.00						TEH	TEC	.560	RBARH	78	C
38	86	.38	0	PCT	14	P2	AV4	-.08						TEH	TEC	.560	RBARH	78	C
40	86	.32	0	PCT	12	P2	AV4	.08						TEH	TEC	.560	RBARH	78	C
40	87	.48	0	PCT	16	P2	AV4	-.08						TEH	TEC	.560	RBARH	78	C
40	87	.57	0	PCT	18	P2	AV5	.00						TEH	TEC	.560	RBARH	78	C
40	88	.30	0	PCT	11	P2	AV3	.08						TEH	TEC	.560	RBARH	78	C
40	88	.64	0	PCT	20	P2	AV4	-.05						TEH	TEC	.560	RBARH	78	C
40	88	.36	0	PCT	13	P2	AV5	.08						TEH	TEC	.560	RBARH	78	C
40	88	.40	0	PCT	14	P2	AV6	.10						TEH	TEC	.560	RBARH	78	C
53	89	.28	0	PCT	11	P2	AV4	.00						TEH	TEC	.560	RBARH	74	C
40	90	.18	0	PCT	6	P2	AV3	.00						TEH	TEC	.560	RBARH	78	C
40	90	.33	0	PCT	12	P2	AV4	-.13						TEH	TEC	.560	RBARH	78	C
40	90	.20	0	PCT	7	P2	AV5	.00						TEH	TEC	.560	RBARH	78	C
53	90	.24	0	PCT	10	P2	AV1	.00						TEH	TEC	.560	RBARH	74	C
53	90	.30	0	PCT	12	P2	AV5	.00						TEH	TEC	.560	RBARH	74	C
53	90	.36	0	PCT	13	P2	AV6	.00						TEH	TEC	.560	RBARH	74	C
33	91	.23	0	PCT	8	P2	AV2	.03						TEH	TEC	.560	RBARH	80	C
40	92	.34	0	PCT	12	P2	AV3	.00						TEH	TEC	.560	RBARH	78	C
40	92	.43	0	PCT	15	P2	AV5	.00						TEH	TEC	.560	RBARH	78	C
43	92	.30	0	PCT	11	P2	AV3	.00						TEH	TEC	.560	RBARH	80	C



TABLE 4 - SG 4 PERCENT WALL THICKNESS PENETRATION FOR EACH INDICATION

SG - 4 LISTING OF U1R12 PERCENT THROUGH WALL INDICATIONS (TECH SPEC REPORTING REQUIREMENT)

Vogtle 1 U1R12

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ROW	COL	VOLTS	DEG	IND	PER	CHN	LOCN	INCH1	INCH2	I	CRLEN	CRWID	CEG	BEGT	ENDT	PDIA	PTYPE	CAL	LI
40	93	.27	0	PCT	10	P2	AV2	.00						TEH	TEC	.560	RBARH	78	C
40	93	.31	0	PCT	11	P2	AV5	-.13						TEH	TEC	.560	RBARH	78	C
40	95	.27	0	PCT	10	P2	AV2	.15						TEH	TEC	.560	RBARH	78	C
40	95	.30	0	PCT	11	P2	AV3	-.18						TEH	TEC	.560	RBARH	78	C
40	95	.95	0	PCT	25	P2	AV4	.00						TEH	TEC	.560	RBARH	78	C
40	95	.33	0	PCT	12	P2	AV5	-.05						TEH	TEC	.560	RBARH	78	C
49	95	.24	0	PCT	10	P2	AV3	.00						TEH	TEC	.560	RBARH	74	C
38	96	.20	0	PCT	9	P2	AV2	-.31						TEH	TEC	.560	RBARH	88	C
38	96	.10	0	PCT	5	P2	AV4	-.17						TEH	TEC	.560	RBARH	88	C
38	96	.19	0	PCT	9	P2	AV5	.17						TEH	TEC	.560	RBARH	88	C
44	96	.17	0	PCT	8	P2	AV2	.00						TEH	TEC	.560	RBARH	88	C
44	96	.76	0	PCT	24	P2	AV3	.00						TEH	TEC	.560	RBARH	88	C
44	96	.76	0	PCT	23	P2	AV4	.00						TEH	TEC	.560	RBARH	88	C
44	96	.32	0	PCT	13	P2	AV6	.00						TEH	TEC	.560	RBARH	88	C
41	97	.40	0	PCT	14	P2	AV5	-.10						TEH	TEC	.560	RBARH	86	C
44	97	.42	0	PCT	15	P2	AV2	.10						TEH	TEC	.560	RBARH	86	C
44	97	.68	0	PCT	20	P2	AV4	-.17						TEH	TEC	.560	RBARH	86	C
44	97	.03	0	PCT	23	P2	AV5	.02						TEH	TEC	.560	RBARH	86	C
48	97	.32	0	PCT	12	P2	AV6	.00						TEH	TEC	.560	RBARH	76	C
44	99	.28	0	PCT	10	P2	AV6	-.18						TEH	TEC	.560	RBARH	86	C
40	100	.28	0	PCT	10	P2	AV2	-.03						TEH	TEC	.560	RBARH	86	C
40	100	.22	0	PCT	8	P2	AV3	-.05						TEH	TEC	.560	RBARH	86	C
40	100	.28	0	PCT	10	P2	AV4	-.13						TEH	TEC	.560	RBARH	86	C
40	100	.28	0	PCT	10	P2	AV5	-.13						TEH	TEC	.560	RBARH	86	C
40	100	.32	0	PCT	11	P2	AV6	-.05						TEH	TEC	.560	RBARH	86	C
42	100	.46	0	PCT	16	P2	AV2	.00						TEH	TEC	.560	RBARH	86	C
42	100	.27	0	PCT	10	P2	AV3	-.08						TEH	TEC	.560	RBARH	86	C
42	100	.55	0	PCT	18	P2	AV4	.05						TEH	TEC	.560	RBARH	86	C
42	101	.32	0	PCT	12	P2	AV3	.00						TEH	TEC	.560	RBARH	86	C
42	101	.61	0	PCT	19	P2	AV4	-.03						TEH	TEC	.560	RBARH	86	C
42	101	.67	0	PCT	20	P2	AV5	.00						TEH	TEC	.560	RBARH	86	C
43	101	.44	0	PCT	15	P2	AV4	.00						TEH	TEC	.560	RBARH	86	C
43	101	.91	0	PCT	25	P2	AV5	.03						TEH	TEC	.560	RBARH	86	C
45	101	.32	0	PCT	12	P2	AV1	.00						TEH	TEC	.560	RBARH	86	C
45	101	.26	0	PCT	9	P2	AV5	-.45						TEH	TEC	.560	RBARH	86	C
45	101	.14	0	PCT	5	P2	AV5	.10						TEH	TEC	.560	RBARH	86	C
38	103	.32	0	PCT	12	P2	AV4	-.05						TEH	TEC	.560	RBARH	86	C
36	104	.35	0	PCT	12	P2	AV2	-.48						TEH	TEC	.560	RBARH	86	C
36	104	.23	0	PCT	9	P2	AV3	.00						TEH	TEC	.560	RBARH	86	C
36	104	.25	0	PCT	9	P2	AV5	.00						TEH	TEC	.560	RBARH	86	C
38	104	.26	0	PCT	11	P2	AV3	.10						TEH	TEC	.560	RBARH	94	C
38	104	.54	0	PCT	18	P2	AV4	.00						TEH	TEC	.560	RBARH	94	C
38	104	.29	0	PCT	12	P2	AV5	.13						TEH	TEC	.560	RBARH	94	C
42	104	.47	0	PCT	17	P2	AV3	.00						TEH	TEC	.560	RBARH	96	C
42	104	.33	0	PCT	13	P2	AV4	.09						TEH	TEC	.560	RBARH	96	C
36	105	.27	0	PCT	11	P2	AV2	.00						TEH	TEC	.560	RBARH	94	C
36	105	.33	0	PCT	13	P2	AV5	.10						TEH	TEC	.560	RBARH	94	C
40	105	.20	0	PCT	11	P2	AV2	.03						TEH	TEC	.560	RBARH	94	C
40	105	.48	0	PCT	17	P2	AV4	.00						TEH	TEC	.560	RBARH	94	C
40	105	.60	0	PCT	20	P2	AV5	.08						TEH	TEC	.560	RBARH	94	C
41	105	.22	0	PCT	9	P2	AV3	-.08						TEH	TEC	.560	RBARH	94	C
32	106	.29	0	PCT	12	P2	AV3	.00						TEH	TEC	.560	RBARH	94	C
36	106	.23	0	PCT	10	P2	AV5	-.03						TEH	TEC	.560	RBARH	94	C
40	106	.38	0	PCT	14	P2	AV3	-.05						TEH	TEC	.560	RBARH	94	C
40	106	.53	0	PCT	18	P2	AV4	.05						TEH	TEC	.560	RBARH	94	C
40	106	.38	0	PCT	14	P2	AV5	.13						TEH	TEC	.560	RBARH	94	C

TABLE 4 – SG 4 PERCENT WALL THICKNESS PENETRATION FOR EACH INDICATION

SG - 4 LISTING OF UIR12 PERCENT THROUGH WALL INDICATIONS (TECH SPEC REPORTING REQUIREMENT)

Vogtle 1 UIR12

GAE 20050301

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ROW	COL	VOLTS	DEG	IND	PER	CHN	LOCN	INCH1	INCH2	I	CRLEN	CRWID	CEG	BEGT	ENDT	PDIA	PTYPE	CAL	L
36	107	.32	0	PCT	13	P2	AV3	.00						TEH	TEC	.560	RBARH	94	C
38	107	.22	0	PCT	8	P2	AV1	.00						TEH	TEC	.560	RBARH	94	C
38	107	.61	0	PCT	20	P2	AV3	.00						TEH	TEC	.560	RBARH	94	C
38	107	.54	0	PCT	18	P2	AV4	-.05						TEH	TEC	.560	RBARH	94	C
38	107	2.06	0	PCT	38	P2	AV5	.00						TEH	TEC	.560	RBARH	94	C
39	107	.27	0	PCT	11	P2	AV3	.00						TEH	TEC	.560	RBARH	96	C
33	108	.30	0	PCT	12	P2	AV3	-.10						TEH	TEC	.560	RBARH	96	C
38	108	.43	0	PCT	16	P2	AV4	-.05						TEH	TEC	.560	RBARH	94	C
36	109	.30	0	PCT	12	P2	AV3	.00						TEH	TEC	.560	RBARH	94	C
32	110	.30	0	PCT	12	P2	AV3	.03						TEH	TEC	.560	RBARH	94	C
33	110	.54	0	PCT	19	P2	AV3	.00						TEH	TEC	.560	RBARH	96	C
33	110	.22	0	PCT	9	P2	AV5	.00						TEH	TEC	.560	RBARH	96	C
33	110	.17	0	PCT	7	P2	AV6	.00						TEH	TEC	.560	RBARH	96	C
32	111	.25	0	PCT	10	P2	AV1	.00						TEH	TEC	.560	RBARH	94	C
32	111	.40	0	PCT	15	P2	AV3	.00						TEH	TEC	.560	RBARH	94	C
32	111	.24	0	PCT	10	P2	AV4	.00						TEH	TEC	.560	RBARH	94	C
33	111	.53	0	PCT	18	P2	AV3	.12						TEH	TEC	.560	RBARH	96	C
33	111	.57	0	PCT	20	P2	AV4	.00						TEH	TEC	.560	RBARH	96	C
33	111	.53	0	PCT	19	P2	AV6	.00						TEH	TEC	.560	RBARH	96	C
30	113	.31	0	PCT	12	P2	AV5	.03						TEH	TEC	.560	RBARH	94	C
30	114	1.00	0	PCT	27	P2	AV5	.00						TEH	TEC	.560	RBARH	94	C

VEGP-1 TWELFTH MAINTENANCE / REFUELING OUTAGE  
CLASS 1 AND 2 WELD EXAMINATIONS

ASME SECTION XI ITEM NO./CAT.	RI ITEM / RI SEGMENT	AUGMENTED EXAMINATION REQUIREMENT(S)	COMPONENT OR WELD NO. / DESCRIPTION	EXAMINATION PROCEDURE(S)	CALIBRATION BLOCK(S)	EXAM SHEET NO(S).	RESULTS	REMARKS
--	R1.13		11208-005-CV110	ES-MISN-V-466		S05V1U563	T & C	INF - I05V1003
--	1CV-110		3" PIPE DS (FO-0200, 201, 202)					
B2.11			11201-V6-002-W05	ES-MISN-V-411	403A, 411A	S05V1U588	NRI	UT indications.
B-B			LOWER SHELL TO LOWER HEAD WELD			S05V1U589	RI	Acceptable
						S05V1U590	RI	
						S05V1U591	NRI	
						S05V1U592	NRI	
						S05V1U593	NRI	
						S05V1U594	RI	
						S05V1U595	NRI	
B2.12			11201-V6-002-W09	ES-MISN-V-411	403A	S05V1U562	NRI	NA
B-B			LOWER SHELL LONGITUDINAL WELD			S05V1U564	NRI	
						S05V1U565	NRI	
						S05V1U566	NRI	
B3.110		MT PER RR-7	11201-V6-002-W14	ES-MISN-V-411	411A	S05V1M001	NRI	NA
B-D			UPPER HEAD TO 4" SPRAY NOZZLE WELD	ES-MISN-V-505		S05V1U574	NRI	
						S05V1U575	NRI	
						S05V1U576	NRI	
						S05V1U577	NRI	
B3.110		MT PER RR-7	11201-V6-002-W16	ES-MISN-V-411	411A	S05V1M005	NRI	Limit exam, RR-7
B-D			14" SURGE NOZZLE WELD TO LOWER HEAD	ES-MISN-V-505		S05V1U583	NRI	
						S05V1U584	NRI	
						S05V1U585	NRI	
						S05V1U586	NRI	
B3.120			11201-V6-002-IR-05	ES-MISN-V-416	411A	S05V1U581	NRI	NA
B-D			4" SPRAY NOZZLE INNER RADIUS					
B3.140			11201-B6-001-IR-01	ES-MISN-V-715		S05V1V210	SAT	NA
B-D			INLET NOZZLE INNER RADIUS					

VEGP-1 TWELFTH MAINTENANCE / REFUELING OUTAGE  
CLASS 1 AND 2 WELD EXAMINATIONS

ASME SECTION XI ITEM NO./CAT.	RI ITEM / RI SEGMENT	AUGMENTED EXAMINATION REQUIREMENT(S)	COMPONENT OR WELD NO. / DESCRIPTION	EXAMINATION PROCEDURE(S)	CALIBRATION BLOCK(S)	EXAM SHEET NO(S).	RESULTS	REMARKS
B3.140 B-D			11201-B6-001-IR-02 OUTLET NOZZLE INNER RADIUS	ES-MISN-V-715		S05V1V212	SAT	NA
B3.140 B-D			11201-B6-004-IR-01 INLET NOZZLE INNER RADIUS	ES-MISN-V-715		S05V1V215	SAT	NA
B3.140 B-D			11201-B6-004-IR-02 OUTLET NOZZLE INNER RADIUS	ES-MISN-V-715		S05V1V216	SAT	NA
B5.40 B-F	R1.15 1RCS-041		11201-V6-002-W17 6" SAFETY NOZZLE TO SAFE END WELD	ES-MISN-V-404 ES-MISN-V-605 ES-MISN-V-715	324A, 355A	S05V1V086	SAT	NA
B5.40 B-F	R1.15 1RCS-035		11201-V6-002-W18 6" SAFETY NOZZLE TO SAFE END WELD	ES-MISN-V-404 ES-MISN-V-605 ES-MISN-V-715	324A, 355A	S05V1V087	SAT	NA
B5.40 B-F	R1.15 1RCS-036		11201-V6-002-W19 6" SAFETY NOZZLE TO SAFE END	ES-MISN-V-404 ES-MISN-V-605 ES-MISN-V-715	324A, 355A	S05V1V088	SAT	NA
B5.40 B-F	R1.15 1RCS-037		11201-V6-002-W20 6" RELIEF NOZZLE TO SAFE END WELD	ES-MISN-V-404 ES-MISN-V-605 ES-MISN-V-715	324A, 355A	S05V1V089	SAT	NA
B5.40 B-F	R1.15 1RCS-019A		11201-V6-002-W21 4" SPRAY NOZZLE TO SAFE END WELD	ES-MISN-V-404 ES-MISN-V-605 ES-MISN-V-715	326A, 356A	S05V1U548 S05V1U549 S05V1U550 S05V1U551 S05V1V090	NRI NRI NRI NRI SAT	NA

**VEGP-1 TWELFTH MAINTENANCE / REFUELING OUTAGE  
CLASS 1 AND 2 WELD EXAMINATIONS**

ASME SECTION XI ITEM NO./CAT.	RI ITEM / RI SEGMENT	AUGMENTED EXAMINATION REQUIREMENT(S)	COMPONENT OR WELD NO. / DESCRIPTION	EXAMINATION PROCEDURE(S)	CALIBRATION BLOCK(S)	EXAM SHEET NO(S).	RESULTS	REMARKS
B5.40 B-F	R1.15 1RCS-027		11201-V6-002-W22 14" SAFE END WELD TO SURGE NOZZLE	ES-MISN-V-605 ES-MISN-V-715	315A, 357A	S05V1V112	SAT	UT exam deferred to 1R13
B6.180 B-G-1			11201-P6-002-B01 THRU B24 MAIN FLANGE BOLTS	ES-MISN-V-422	416A	S05V1U561	NRI	NA
B7.30 B-G-2			11201-B6-004-B01 THRU B32 PRIMARY MANWAY BOLTING	ES-MISN-V-715		S05V1V093	SAT	NA
B7.50 B-G-2			11204-078-8 FB 1.5" FLANGE BOLT ASSEMBLY FOR FE-0925	ES-MISN-V-715		S05V1V057	SAT	NA
B7.50 B-G-2			11204-079-12 FB 1.5" FLANGE BOLT ASSEMBLY FOR FE-0926	ES-MISN-V-715		S05V1V058	SAT	NA
B7.50 B-G-2			11208-043-5 FB 1.5" FLANGE BOLT ASSEMBLY FOR RC PUMP 002	ES-MISN-V-715		S05V1V099	SAT	NA
B7.50 B-G-2			11208-045-14 FB 1.5" FLANGE BOLT ASSEMBLY FOR RC PUMP 003	ES-MISN-V-715		S05V1V098	SAT	NA
B7.60 B-G-2			11201-P6-002-B25 THRU B32 1.5" DIA. SEALWATER HOUSING CAP SCREWS	ES-MISN-V-715		S05V1V101	SAT	NA
B7.60 B-G-2			11201-P6-002-B33 THRU B48 2" DIAMETER SEAL- WATER HOUSING BOLTS	ES-MISN-V-715		S05V1V102	SAT	NA
B7.70 B-G-2			11204U6085 VALVE BOLTING (ISI-11204-126)	ES-MISN-V-715		S05V1V091	SAT	NA

**VEGP-1 TWELFTH MAINTENANCE / REFUELING OUTAGE  
CLASS 1 AND 2 WELD EXAMINATIONS**

ASME SECTION XI ITEM NO./CAT.	RI ITEM / RI SEGMENT	AUGMENTED EXAMINATION REQUIREMENT(S)	COMPONENT OR WELD NO. / DESCRIPTION	EXAMINATION PROCEDURE(S)	CALIBRATION BLOCK(S)	EXAM SHEET NO(S).	RESULTS	REMARKS
B7.70 B-G-2			11204U6126 VALVE BOLTING (ISI-11204-023)	ES-MISN-V-715		S05V1V092	SAT	NA
B7.70 B-G-2			11204U6150 VALVE BOLTING (ISI-11204-045 )	ES-MISN-V-715		S05V1V059	SAT	NA
B8.20 B-H			11201-V6-002-W35 SUPPORT SKIRT WELD	ES-MISN-V-404 ES-MISN-V-505		S05V1M002 S05V1U582	NRI NRI	NA
B9.11 B-J	R1.11 1RCS-006		11201-006-1 31" NOZZLE TO ELBOW	ES-MISN-V-406 ES-MISN-V-605	329A	S05V1U606 S05V1U607	NRI NRI	Limited exam due to nozzle configuration. RR-10
B9.11 B-J	R1.11 1RCS-007		11201-007-1 31" NOZZLE TO ELBOW	ES-MISN-V-406 ES-MISN-V-605	329A	S05V1U608 S05V1U609	NRI NRI	Limited exam due to nozzle configuration. RR-10
B9.11 B-J	R1.16 1SI-059A		11204-021-16 6" PIPE TO VALVE	ES-MISN-V-481	304A	S05V1U559 S05V1U560	NRI RI	Limited exam 50% RR- Required
B9.11 B-J	R1.11 1RCS-051		11204-024-19 6" PIPE TO BRANCH CONNECTION	ES-MISN-V-481 ES-MISN-V-605	304A	S05V1U571	NRI	NA
B9.11 B-J	R1.11 1RCS-052		11204-025-23 6" PIPE TO ELBOW	ES-MISN-V-481	304A	S05V1U570	NRI	NA
B9.21 B-J	R1.11 1RCS-013		11201-031-2 2" PIPE TO ELBOW	ES-MISN-V-481	346A	S05V1U527 S05V1U528 S05V1U539	NRI NRI T & C	Scan per MRP-24 recommendation.
B9.21 B-J	R1.11 1RCS-013		11201-031-3 2" ELBOW TO PIPE	ES-MISN-V-481	346A	S05V1U529 S05V1U540	NRI T & C	Scan per MRP-24 recommendation.

**VEGP-1 TWELFTH MAINTENANCE / REFUELING OUTAGE  
CLASS 1 AND 2 WELD EXAMINATIONS**

ASME SECTION XI ITEM NO./CAT.	RI ITEM / RI SEGMENT	AUGMENTED EXAMINATION REQUIREMENT(S)	COMPONENT OR WELD NO. / DESCRIPTION	EXAMINATION PROCEDURE(S)	CALIBRATION BLOCK(S)	EXAM SHEET NO(S).	RESULTS	REMARKS
B9.21 B-J	R1.11 1RCS-014		11201-042-2 2" PIPE TO ELBOW	ES-MISN-V-481		S05V1U530 S05V1U531 S05V1U541	NRI NRI T & C	Scan per MRP-24 recommendation.
B9.21 B-J	R1.11 1RCS-014		11201-042-3 2" ELBOW TO PIPE	ES-MISN-V-481		S05V1U532 S05V1U542	NRI T & C	Scan per MRP-24 recommendation.
B9.21 B-J	R1.11 1RCS-015		11201-046-2 2" PIPE TO ELBOW	ES-MISN-V-481		S05V1U533 S05V1U534 S05V1U543	NRI NRI T & C	Scan per MRP-24 recommendation.
B9.21 B-J	R1.11 1RCS-015		11201-046-3 2" ELBOW TO PIPE	ES-MISN-V-481		S05V1U535 S05V1U544 S05V1U545	NRI T & C T & C	Scan per MRP-24 recommendation.
B9.21 B-J	R1.11 1RCS-026		11201-048-1 3" BRANCH CONNECTION TO PIPE (AI 87-0131)	ES-MISN-V-481 ES-MISN-V-605		S05V1U572 S05V1U573	RI T & C	NA
B9.21 B-J	R1.11 1RCS-016		11201-051-2 2" PIPE TO ELBOW	ES-MISN-V-481 ES-MISN-V-605		S05V1U536 S05V1U537 S05V1U546	NRI NRI T & C	Scan per MRP-24 recommendation.
B9.21 B-J	R1.11 1RCS-016		11201-051-3 2" ELBOW TO PIPE	ES-MISN-V-481 ES-MISN-V-605		S05V1U538 S05V1U547	NRI T & C	Scan per MRP-24 recommendation.
B9.21 B-J	R1.11 1RCS-058		11208-007-6 3" PIPE TO BRANCH CONNECTION	ES-MISN-V-404 ES-MISN-V-605	334A	S05V1U605 S05V1U610	NRI T & C	NA
B13.10 B-N-1		FSAR 5.3.3.7	11201-V6-001-I02 VESSEL CLOSURE HEAD INTERIOR (FSAR 5.3.3.7)	ES-MISN-V-735		S05V1V095	SAT	NA
B14.10 B-O			11201-V6-001-W184 CRD HOUSING WELD	ES-MISN-V-605		S05V1P014	RI	Rounded 0.1" IND. Acceptable

**VEGP-1 TWELFTH MAINTENANCE / REFUELING OUTAGE  
CLASS 1 AND 2 WELD EXAMINATIONS**

ASME SECTION XI ITEM NO./CAT.	RI ITEM / RI SEGMENT	AUGMENTED EXAMINATION REQUIREMENT(S)	COMPONENT OR WELD NO. / DESCRIPTION	EXAMINATION PROCEDURE(S)	CALIBRATION BLOCK(S)	EXAM SHEET NO(S).	RESULTS	REMARKS
B14.10 B-O			11201-V6-001-W188 CRD HOUSING WELD	ES-MISN-V-605		S05V1P015	NRI	NA
B16.20 B-Q		TS 5.5.9, FREQUEN	11201-B6-001-T01 TUBING - ENTIRE LENGTH OF SELECTED TUBES	VENDOR	806A-D, 807A,B			Performed by Westinghouse.
B16.20 B-Q		TS 5.5.9, FREQUEN	11201-B6-002-T01 TUBING - ENTIRE LENGTH OF SELECTED TUBES	VENDOR	806A-D, 807A,B			Performed by Westinghouse.
B16.20 B-Q		TS 5.5.9, FREQUEN	11201-B6-003-T01 TUBING - ENTIRE LENGTH OF SELECTED TUBES	VENDOR	806A-D, 807A,B			Performed by Westinghouse.
B16.20 B-Q		TS 5.5.9, FREQUEN	11201-B6-004-T01 TUBING - ENTIRE LENGTH OF SELECTED TUBES	VENDOR	806A-D, 807A,B			Performed by Westinghouse.
C1.10 C-A			11201-B6-002-W04 TRANSITION CONE TO LOWER CONE END STUB BARREL WELD	ES-MISN-V-411	409A	S05V1U596 S05V1U597 S05V1U598 S05V1U599	NRI NRI NRI NRI	NA
C1.10 C-A			11201-B6-003-W05 LOWER CONE END STUB BARREL TO LOWER SHELL BARREL" B	ES-MISN-V-411	409A	S05V1U552 S05V1U553 S05V1U554 S05V1U555	NRI NRI NRI NRI	NA
C1.20 C-A			11204-V6-001-W02 VESSEL HEAD TO VESSEL SHELL	ES-MISN-V-411	418A	S05V1U515 S05V1U516 S05V1U517 S05V1U518	NRI NRI NRI NRI	Limited exam 57%, RR-14



VEGP-1 TWELFTH MAINTENANCE / REFUELING OUTAGE  
CLASS 1 AND 2 WELD EXAMINATIONS

ASME SECTION XI ITEM NO./CAT.	RI ITEM / RI SEGMENT	AUGMENTED EXAMINATION REQUIREMENT(S)	COMPONENT OR WELD NO. / DESCRIPTION	EXAMINATION PROCEDURE(S)	CALIBRATION BLOCK(S)	EXAM SHEET NO(S).	RESULTS	REMARKS
C2.21 C-B			11201-B6-002-W19 16" MAIN FEEDWATER NOZZLE TO SHELL WELD	ES-MISN-V-411 ES-MISN-V-505	409A	S05V1M003 S05V1U600 S05V1U601 S05V1U602 S05V1U603	NRI NRI NRI NRI NRI	NA
C2.21 C-B			11205-E6-002-W04 14" INLET NOZZLE TO TUBE SIDE SHELL WELD	ES-MISN-V-404 ES-MISN-V-605	412A	S05V1P003 S05V1U502 S05V1U503	NRI NRI NRI	Limited exam, 41.5%. RR- Required
C2.21 C-B			11205-E6-002-W05 14" OUTLET NOZZLE TO TUBE SIDE SHELL WELD	ES-MISN-V-404 ES-MISN-V-605	412A	S05V1P004 S05V1U504 S05V1U505	NRI NRI NRI	Limited exam, 41.5%. RR- Required
C2.22 C-B			11201-B6-002-IR04 MAIN FEEDWATER NOZZLE INNER RADIUS	ES-MISN-V-416	409A	S05V1U604	NRI	NA
C3.10 C-C			11204-V6-001-W05 VESSEL SUPPORT PAD WELDED ATTACHMENT	ES-MISN-V-605		S05V1P011	NRI	Limited exam 64%, RR-14
C3.20 C-C			11204-012-35 SUPPORT H002	ES-MISN-V-605		S05V1P002	NI	NA
C3.20 C-C			11204-041-50 SUPPORT H027	ES-MISN-V-605		S05V1P012	NRI	NA
C3.20 C-C			11204-063-24 SUPPORT H006	ES-MISN-V-605		S05V1P008	NRI	NA
C3.20 C-C			11205-003-55 SUPPORT H012	ES-MISN-V-605		S05V1P005	NRI	NA
C3.20 C-C			11205-008-34 SUPPORT H030	ES-MISN-V-605		S05V1P001	NRI	NA

**VEGP- 1 TWELFTH MAINTENANCE / REFUELING OUTAGE  
CLASS 1 AND 2 WELD EXAMINATIONS**

ASME SECTION XI ITEM NO./CAT.	RI ITEM / RI SEGMENT	AUGMENTED EXAMINATION REQUIREMENT(S)	COMPONENT OR WELD NO. / DESCRIPTION	EXAMINATION PROCEDURE(S)	CALIBRATION BLOCK(S)	EXAM SHEET NO(S).	RESULTS	REMARKS
C3.20 C-C			11206-003-2 SUPPORT H001	ES-MISN-V-605		S05V1P006	NRI	NA
C3.20 C-C			11206-005-14 SUPPORT H004	ES-MISN-V-605		S05V1P007	NRI	NA
C3.20 C-C			11208-137-25 SUPPORT H006	ES-MISN-V-605		S05V1P009	NRI	NA
C3.20 C-C			11208-411-46 SUPPORT H031	ES-MISN-V-605		S05V1P010	NRI	NA
C3.20 C-C			11301-001-4 SUPPORT H003	ES-MISN-V-505		S05V1M004	NRI	NA
C4.30 C-D			11204-P6-003-B01 THRU B32 PUMP CASING STUDS	ES-MISN-V-422	415A	S05V1U519	NRI	NA
C5.11 C-F-1	R1.11 1RHR-011A		11205-007-17 8" TEE TO PIPE (AI 87-0131)	ES-MISN-V-481 ES-MISN-V-605	414A	S05V1U508 S05V1U509	NRI NRI	NA
C5.11 C-F-1	R1.11 1RHR-012A		11205-008-17 8" TEE TO PIPE	ES-MISN-V-481	414A	S05V1U506 S05V1U507	NRI NRI	NA
C5.21 C-F-1	R1.11 1SI-064		11204-063-28 4" VALVE TO PIPE	ES-MISN-V-481	303A	S05V1U513 S05V1U514	NRI NRI	Limited exam 50% RR- Required
C5.51 C-F-2	R1.11 1MS-007D	TS 5.5.16 (AUGMEN	11301-004-1 PENETRATION TO 28" PIPE (TS 5.5.16)	ES-MISN-V-480 ES-MISN-V-505	313A	S05V1U520	NRI	NA
C5.51 C-F-2	R1.11 1MS-007D	TS 5.5.16 (AUGMEN	11301-004-2 28" PIPE TO PIPE (TS 5.5.16)	ES-MISN-V-480 ES-MISN-V-505	313A	S05V1U521	NRI	NA

**VEGP-1 TWELFTH MAINTENANCE / REFUELING OUTAGE  
CLASS 1 AND 2 WELD EXAMINATIONS**

ASME SECTION XI ITEM NO./CAT.	RI ITEM / RI SEGMENT	AUGMENTED EXAMINATION REQUIREMENT(S)	COMPONENT OR WELD NO. / DESCRIPTION	EXAMINATION PROCEDURE(S)	CALIBRATION BLOCK(S)	EXAM SHEET NO(S).	RESULTS	REMARKS
C5.51 C-F-2	R1.11 1MS-007D	TS 5.5.16 (AUGMEN	11301-004-3 28" PIPE TO 29 1/2" PIPE (TS 5.5.16)	ES-MISN-V-480 ES-MISN-V-505	313A, 314A	S05V1U522 S05V1U523	NRI NRI	NA
C5.51 C-F-2	R1.11 1MS-007D	TS 5.5.16 (AUGMEN	11301-004-5 29 1/2" PIPE TO VALVE (TS 5.5.16)	ES-MISN-V-480 ES-MISN-V-505	314A	S05V1U524 S05V1U525	NRI NRI	Limited exam 82%, RR-16
C5.51 C-F-2	R1.13 1FW-014A	TS 5.5.16 (AUGMEN	11305-058-7 16" VALVE TO PIPE (TS 5.5.16)	ES-MISN-V-480 ES-MISN-V-505	311A	S05V1U526	NRI	NA

**VEGP-1 TWELFTH MAINTENANCE / REFUELING OUTAGE  
CLASS 1 2 SUPPORT EXAMINATIONS**

ASME SECTION XI CATEGORY	ISI CLASS	NPS (IN.)	SUPPORT NUMBER DESCRIPTION	EXAMINATION PROCEDURE(S)	EXAM SHEET	RESULTS	REMARKS
F-A	1	0	11201-B6-004-S01 STEAM GEN SUPP	ES-MISN-V-735	S05V1V125	SAT	NA
F-A	1	0	11201-B6-004-S02 STEAM GEN SUPP	ES-MISN-V-735	S05V1V126	SAT	NA
F-A	1	0	11201-B6-004-S03 STEAM GEN SUPP	ES-MISN-V-735	S05V1V127	SAT	NA
F-A	1	0	11201-B6-004-S04 STEAM GEN SUPP	ES-MISN-V-735	S05V1V128	SAT	NA
F-A	1	0	11201-B6-004-S11 LOWER LAT SUPP	ES-MISN-V-735	S05V1V122	SAT	NA
F-A	1	0	11201-B6-004-S12 LOWER LAT SUPP	ES-MISN-V-735	S05V1V123	SAT	NA
F-A	1	0	11201-B6-004-S13 LOWER LAT SUPP	ES-MISN-V-735	S05V1V124	SAT	NA
F-A	1	4	11201-030-H017 LIN RESTRAINT	ES-MISN-V-735	S05V1V162	SAT	NA
F-A	1	4	11201-030-H021 LIN RESTRAINT	ES-MISN-V-735	S05V1V163	SAT	NA
F-A	1	4	11201-030-H024 RIGID STRUT	ES-MISN-V-735	S05V1V165	SAT	NA
F-A	1	4	11201-030-H025 VAR SPRING	ES-MISN-V-735	S05V1V229	SAT	NA
F-A	1	6	11201-030-H026 MECH SNUBBER	ES-MISN-V-735	S05V1V108	SAT	NA
F-A	1	6	11201-030-H030 RIGID STRUT	ES-MISN-V-735	S05V1V164	SAT	NA
F-A	1	3	11201-048-H002 MECH SNUBBER	ES-MISN-V-735	S05V1V154	SAT	NA

VEGP-1 TWELFTH MAINTENANCE / REFUELING OUTAGE  
CLASS 1 2 SUPPORT EXAMINATIONS

ASME SECTION XI CATEGORY	ISI CLASS	NPS (IN.)	SUPPORT NUMBER DESCRIPTION	EXAMINATION PROCEDURE(S)	EXAM SHEET	RESULTS	REMARKS
F-A	1	12	11201-049-H002 MECH SNUBBER	ES-MISN-V-735	S05V1V150	SAT	NA
F-A	1	12	11201-049-H003 VAR SPRING	ES-MISN-V-735	S05V1V217	SAT	NA
F-A	1	12	11201-049-H010 MECH SNUBBER	ES-MISN-V-735	S05V1V149	SAT	NA
F-A	1	12	11201-049-H012 RIGID STRUT	ES-MISN-V-735	S05V1V197	SAT	NA
F-A	1	12	11201-049-H014 RIGID STRUT	ES-MISN-V-735	S05V1V200	SAT	NA
F-A	1	2	11201-051-H001 MECH SNUBBER	ES-MISN-V-735	S05V1V151	SAT	NA
F-A	1	2	11201-051-H005 LIN RESTRAINT	ES-MISN-V-735	S05V1V096	SAT	NA
F-A	1	2	11201-051-H008 MECH SNUBBER	ES-MISN-V-735	S05V1V148	SAT	NA
F-A	1	16	11201-053-H006 MECH SNUBBER	ES-MISN-V-735	S05V1V147	SAT	NA
F-A	1	6	11204-023-H004 VAR SPRING	ES-MISN-V-735	S05V1V097	SAT	NA
F-A	1	2	11204-024-H032 RIGID STRUT	ES-MISN-V-735	S05V1V158	SAT	NA
F-A	1	2	11204-024-H033 RIGID STRUT	ES-MISN-V-735	S05V1V159	SAT	NA
F-A	1	2	11204-024-H034 RIGID STRUT	ES-MISN-V-735	S05V1V160	SAT	NA
F-A	1	6	11204-024-H037 RIGID STRUT	ES-MISN-V-735	S05V1V161	SAT	NA

**VEGP-1 TWELFTH MAINTENANCE / REFUELING OUTAGE  
CLASS 1 2 SUPPORT EXAMINATIONS**

ASME SECTION XI CATEGORY	ISI CLASS	NPS (IN.)	SUPPORT NUMBER DESCRIPTION	EXAMINATION PROCEDURE(S)	EXAM SHEET	RESULTS	REMARKS
F-A	1	2	11204-034-H001 LIN RESTRAINT	ES-MISN-V-735	S05V1V218	SAT	NA
F-A	1	2	11204-034-H002 MECH SNUBBER	ES-MISN-V-735	S05V1V145	SAT	NA
F-A	1	6	11204-045-H018 RIGID STRUT	ES-MISN-V-735	S05V1V109	SAT	NA
F-A	1	6	11204-045-H019 LIN RESTRAINT	ES-MISN-V-735	S05V1V110	SAT	NA
F-A	1	6	11204-045-H021 LIN RESTRAINT	ES-MISN-V-735	S05V1V111	SAT	NA
F-A	1	6	11204-045-H022 LIN RESTRAINT	ES-MISN-V-735	S05V1V113	SAT	NA
F-A	1	6	11204-045-H023 RIGID STRUT	ES-MISN-V-735	S05V1V114	SAT	NA
F-A	1	6	11204-045-H024 LIN RESTRAINT	ES-MISN-V-735	S05V1V115	SAT	NA
F-A	1	6	11204-045-H025 LIN RESTRAINT	ES-MISN-V-735	S05V1V116	SAT	NA
F-A	1	3	11208-001-H026 RIGID STRUT	ES-MISN-V-735	S05V1V157	SAT	NA
F-A	1	3	11208-001-H032 MECH SNUBBER	ES-MISN-V-735	S05V1V143	SAT	NA
F-A	1	1.5	11208-045-H014 LIN RACK 2-D	ES-MISN-V-735	S05V1V155	SAT	NA
F-A	1	1.5	11208-045-H017 LIN RACK 2-D	ES-MISN-V-735	S05V1V156	SAT	NA
F-A	1	1.5	11208-047-H006 MECH SNUBBER	ES-MISN-V-735	S05V1V142	SAT	NA

**VEGP-1 TWELFTH MAINTENANCE / REFUELING OUTAGE  
CLASS 1 2 SUPPORT EXAMINATIONS**

ASME SECTION XI CATEGORY	ISI CLASS	NPS (IN.)	SUPPORT NUMBER DESCRIPTION	EXAMINATION PROCEDURE(S)	EXAM SHEET	RESULTS	REMARKS
F-A	2	0	11201-B6-004-S06 HYDRAULIC SNUBBER	ES-MISN-V-735	S05V1V120	SAT	NA
F-A	2	0	11201-B6-004-S08 HYDRAULIC SNUBBER	ES-MISN-V-735	S05V1V119	SAT	NA
F-A	2	0	11201-B6-004-S10 UPPER SUPP FRAME	ES-MISN-V-735	S05V1V121	SAT	NA
F-A	2	0	11204-P6-003-S01 PUMP SUPPORT	ES-MISN-V-735	S05V1V042	SAT	NA
F-A	2	0	11208-P6-002-S01 SUPPORT BASE	ES-MISN-V-735	S05V1V138	SAT	NA
F-A	2	24	11204-006-H604 VAR SPRING	ES-MISN-V-735	S05V1V245	SAT	NA
F-A	2	8	11204-012-H027 LIN RACK 1-D	ES-MISN-V-735	S05V1V192	SAT	NA
F-A C-C	2	6	11204-041-H021 ANCHOR	ES-MISN-V-735	S05V1V060	SAT	NA
F-A	2	6	11204-041-H034 RIGID STRUT	ES-MISN-V-735	S05V1V061	SAT	NA
F-A	2	6	11204-041-H040 LIN RACK 2-D	ES-MISN-V-735	S05V1V062	SAT	NA
F-A	2	6	11204-041-H041 RIGID STRUT	ES-MISN-V-735	S05V1V198	SAT	NA
F-A C-C	2	4	11204-063-H006 LIN RESTRAINT	ES-MISN-V-735	S05V1V051	SAT	NA
F-A	2	12	11204-201-H006 RIGID STRUT	ES-MISN-V-735	S05V1V136	SAT	NA

VEGP-1 TWELFTH MAINTENANCE / REFUELING OUTAGE  
CLASS 1 2 SUPPORT EXAMINATIONS

ASME SECTION XI CATEGORY	ISI CLASS	NPS (IN.)	SUPPORT NUMBER DESCRIPTION	EXAMINATION PROCEDURE(S)	EXAM SHEET	RESULTS	REMARKS
F-A	2	14	11205-003-H004 VAR SPRING	ES-MISN-V-735	S05V1V196	SAT	NA
F-A C-C	2	14	11205-003-H012 RIGID STRUT	ES-MISN-V-735	S05V1V022 S05V1V208	SAT SAT	INF - I05V1001 Frozen Bearing.
F-A	2	14	11205-003-H013 RIGID STRUT	ES-MISN-V-735	S05V1V104	SAT	NA
F-A	2	8	11205-007-H001 LIN RESTRAINT	ES-MISN-V-735	S05V1V105	SAT	NA
F-A	2	8	11205-007-H058 LIN RACK 2-D	ES-MISN-V-735	S05V1V202	SAT	NA
F-A C-C	2	8	11205-008-H030 LIN RACK 3-D	ES-MISN-V-735	S05V1V040	SAT	NA
F-A C-C	2	12	11206-002-H013T MECH SNUBBER	ES-MISN-V-735	S05V1V144	SAT	NA
F-A	2	12	11206-002-H027 MECH SNUBBER	ES-MISN-V-735	S05V1V064	SAT	NA
F-A C-C	2	8	11206-005-H004 RIGID STRUT	ES-MISN-V-735	S05V1V063	SAT	NA
F-A	2	8	11206-005-H009 MECH SNUBBER	ES-MISN-V-735	S05V1V199	SAT	NA
F-A	2	8	11206-005-H011 LIN RESTRAINT	ES-MISN-V-735	S05V1V201	SAT	NA
F-A	2	8	11206-005-H021 LIN RESTRAINT	ES-MISN-V-735	S05V1V141	SAT	NA



**VEGP-1 TWELFTH MAINTENANCE / REFUELING OUTAGE  
CLASS 1 2 SUPPORT EXAMINATIONS**

ASME SECTION XI CATEGORY	ISI CLASS	NPS (IN.)	SUPPORT NUMBER DESCRIPTION	EXAMINATION PROCEDURE(S)	EXAM SHEET	RESULTS	REMARKS
F-A	2	8	11206-005-H023 LIN RESTRAINT	ES-MISN-V-735	S05V1V035	SAT	NA
F-A C-C	2	8	11206-006-H002 LIN RESTRAINT	ES-MISN-V-735	S05V1V225	SAT	NA
F-A	2	8	11206-006-H004 LIN RESTRAINT	ES-MISN-V-735	S05V1V191	SAT	NA
F-A	2	8	11206-006-H010 LIN RESTRAINT	ES-MISN-V-735	S05V1V177	SAT	NA
F-A C-C	2	8	11206-007-H021 LIN RESTRAINT	ES-MISN-V-735	S05V1V226	SAT	NA
F-A	2	10	11206-008-H082 VAR SPRING	ES-MISN-V-735	S05V1V231	SAT	NA
F-A	2	3	11208-003-H054 LIN RESTRAINT	ES-MISN-V-735	S05V1V103	SAT	NA
F-A	2	6	11208-139-H016 VAR SPRING	ES-MISN-V-735	S05V1V248	SAT	NA
F-A	2	6	11208-141-H006 RIGID STRUT	ES-MISN-V-735	S05V1V140	SAT	NA
F-A	2	4	11208-144-H001 LIN RACK 1-D	ES-MISN-V-735	S05V1V139	SAT	NA
F-A C-C	2	29.5	11301-001-H003 RIGID STRUT	ES-MISN-V-735	S05V1V069	SAT	NA
F-A	2	8	11301-015-H007 MECH SNUBBER	ES-MISN-V-735	S05V1V107	SAT	NA
F-A	2	6	11302-109-H022 MECH SNUBBER	ES-MISN-V-735	S05V1V207	SAT	NA

**VEGP-1 TWELFTH MAINTENANCE / REFUELING OUTAGE  
CLASS 1 2 SUPPORT EXAMINATIONS**

<b>ASME SECTION XI CATEGORY</b>	<b>ISI CLASS</b>	<b>NPS (IN.)</b>	<b>SUPPORT NUMBER DESCRIPTION</b>	<b>EXAMINATION PROCEDURE(S)</b>	<b>EXAM SHEET</b>	<b>RESULTS</b>	<b>REMARKS</b>
F-A	2	6	11302-109-H025 MECH SNUBBER	ES-MISN-V-735	S05V1V206	SAT	NA
F-A	2	16	11305-058-H003 MECH SNUBBER	ES-MISN-V-735	S05V1V205	SAT	NA
F-A	2	16	11305-058-H006 MECH SNUBBER	ES-MISN-V-735	S05V1V204	SAT	NA

## SYSTEM PRESSURE TESTS

The following pressure tests on Class 1 and Class 2 components were included in the scope of the maintenance/refueling outage. These pressure tests included system functional tests, system hydrostatic tests, system inservice tests, and system leakage tests. It should be noted that the hydrostatic tests identified were performed to satisfy the "once per ten year" requirements described in ASME Section XI, Code Case N-498-1. These hydrostatic test packages are needed to document tests where the current inservice and functional tests do not fully meet the "once per 10-year" requirements of N-498-1. Boundaries for the pressure tests are described in the VEGP-1 Inservice Inspection Plan - Second 10-Year Interval document. Examination results are discussed in the applicable sections of this report document. The examination data for these pressure tests is available at the plant site for review upon request.

### System Functional Test Schedule (FTs)

<u>FT Number</u>	<u>Exam. Cat.</u>	<u>Test Description</u>
4	C-H	Safety Injection Pump 1204-P6-003 Discharge Functional Test
5	C-H	Safety Injection Pump 1204-P6-004 Discharge Functional Test
8	C-H	Penetration 30 (SI to Cold Legs) Functional Test
10	C-H	Safety Injection (SI) Pump Suction Functional Test
11	C-H	Residual Heat Removal System (RHRS) to Chemical and Volume Control System (CVCS) Suction Functional Test
12	C-H	Containment Spray Train "A" Functional Test
13	C-H	Containment Spray Train "B" Functional Test
17	C-H	Line 1208-133 (HV-8104 to Valve 185 Flow Test) Functional Test

### System Hydrostatic Test Schedule (HTs)

<u>HT Number</u>	<u>Exam. Cat.</u>	<u>Test Description</u>
1	B-P C-H	Class 1 Hydrostatic Test (Partially performed)
3	C-H	SI, Normal Charging & CS Pump Suction Hydrostatic Test (Partially performed)
4	C-H	SI Pump Discharge Hydrostatic Test
17	C-H	Reactor Pressure Vessel Head Vent Pipe Hydrostatic Test
95	C-H	SI Miniflow Hydrostatic Test

### System Inservice Test Schedule (ITs)

<u>IT Number</u>	<u>Exam. Cat.</u>	<u>Test Description</u>
1	C-H	Charging Line Inside Containment Inservice Test
2	C-H	Letdown Line Inside Containment Inservice Test
3	C-H	Reactor Coolant (RC) Pumps 1, 2, 3, and 4 Seal Leakoff Inside Containment Inservice Test
4	C-H	RC Pump 1 Seal Injection from Penetration 54 to Valve 006 Inservice Test
5	C-H	RC Pump 2 Seal Injection from Penetration 53 to Valve 359 Inservice Test
6	C-H	RC Pump 3 Seal Injection from Penetration 52 to Valve 360 Inservice Test
7	C-H	RC Pump 4 Seal Injection from Penetration 51 to Valve 361 Inservice Test
8	C-H	Reactor Coolant System (RCS) Hot Leg Sample Lines to Penetration 24 Inservice Test
9	C-H	Sample Line from Valve 101 to Valve HV-3514 Inservice Test
10	C-H	CVCS Inservice Test with Normal Charging Pump Operating (Outside Containment)

<b>IT Number</b>	<b>Exam. Cat.</b>	<b>Test Description</b>
11	C-H	Centrifugal Charging Pump 1208-P6-002 (Train "A") Discharge Inservice Test
12	C-H	Centrifugal Charging Pump 1208-P6-003 (Train "B") Discharge Inservice Test
14	C-H	Accumulator Tank Loop 1 (1204-V6-002) Inservice Test
15	C-H	Accumulator Tank Loop 2 (1204-V6-003) Inservice Test
16	C-H	Accumulator Tank Loop 3 (1204-V6-004) Inservice Test
17	C-H	Accumulator Tank Loop 4 (1204-V6-005) Inservice Test
18	C-H	Residual Heat Removal System Train "A" Inservice Test
19	C-H	Residual Heat Removal System Train "B" Inservice Test
23	C-H	Refueling Water Storage Tank (RWST) Inservice Test
24	C-H	Sample Line from Valve 097 to Valve HV-3508 Inservice Test
25	C-H	Penetration 24 Outside Containment Inservice Test (Post-Accident Sampling)
26	C-H	Nuclear Service Cooling Water (NSCW) Train "A" Inservice Test (Outside Containment)
30	C-H	NSCW Train "B" Inservice Test (Outside Containment)
34	C-H	Containment Coolers 1501-A7-001 and 1501-A7-002 Inservice Test
35	C-H	Containment Coolers 1501-A7-003 and 1501-A7-004 Inservice Test
36	C-H	Containment Coolers 1501-A7-005 and 1501-A7-006 Inservice Test
37	C-H	Containment Coolers 1501-A7-007 and 1501-A7-008 Inservice Test
38	C-H	Cooling Coils 1511-E7-001 and 1515-A7-001 Inservice Test
39	C-H	Cooling Coils 1511-E7-002 and 1515-A7-002 Inservice Test
45	C-H	Steam Generator 1201-B6-001 Inservice Test
46	C-H	Steam Generator 1201-B6-002 Inservice Test
47	C-H	Steam Generator 1201-B6-003 Inservice Test
48	C-H	Steam Generator 1201-B6-004 Inservice Test
49	C-H	Penetration 7 Inservice Test (Outside Containment Steam Generator 1 Blowdown to Heat Exchanger)
50	C-H	Penetration 8 Inservice Test (Outside Containment Steam Generator 2 Blowdown to Heat Exchanger)
51	C-H	Penetration 9 Inservice Test (Outside Containment Steam Generator 3 Blowdown to Heat Exchanger)
52	C-H	Penetration 10 Inservice Test (Outside Containment Steam Generator 4 Blowdown to Heat Exchanger)
53	C-H	Penetration 11B Inservice Test (Outside Containment Steam Generator 1 Blowdown to Sample)
54	C-H	Penetration 11C Inservice Test (Outside Containment Steam Generator 2 Blowdown to Sample)
55	C-H	Penetration 12B Inservice Test (Outside Containment Steam Generator 3 Blowdown to Sample)
56	C-H	Penetration 12C Inservice Test (Outside Containment Steam Generator 4 Blowdown to Sample)
57	C-H	Main Steam Loop 1 Inservice Test (Outside Containment)
58	C-H	Main Steam Loop 2 Inservice Test (Outside Containment)
59	C-H	Main Steam Loop 3 Inservice Test (Outside Containment)
60	C-H	Main Steam Loop 4 Inservice Test (Outside Containment)
64	C-H	Auxiliary Feedwater (AFW) Inservice Test With Pump 1302-P4-002 (Train "B") Operating
65	C-H	AFW Inservice Test With Pump 1302-P4-003 (Train "A") Operating
71	C-H	Main Feedwater Loop 1 Inservice Test (Outside Containment)
72	C-H	Main Feedwater Loop 2 Inservice Test (Outside Containment)
73	C-H	Main Feedwater Loop 3 Inservice Test (Outside Containment)
74	C-H	Main Feedwater Loop 4 Inservice Test (Outside Containment)

<u>IT</u> <u>Number</u>	<u>Exam.</u> <u>Cat.</u>	<u>Test</u> <u>Description</u>
79	C-H	Excess Letdown Heat Exchanger Inservice Test
80	C-H	Residual Heat Removal System Cleanup Inservice Test

System Leakage Test Schedule (LT)

<u>LT</u> <u>Number</u>	<u>Exam.</u> <u>Cat.</u>	<u>Test</u> <u>Description</u>
1	B-P	Class 1 System Leakage Test

## INDICATION NOTIFICATION FORMS

The following Indication Notification Form(s) (INFs) were issued by Materials and Inspection Services (M & IS) of Southern Nuclear Operating Company (SNC) due to *reportable* indications or conditions being observed during the examination of either Class 1 or 2 components during the twelfth maintenance/refueling outage at VEGP-1 (referenced attachments are available at the VEGP plant site for review upon request):

INF No.	Affected Component/Area	INF Disposition
I05V1001	11205-003-H012	<p>During a VT examination of support No. 11205-003-H012, unacceptable conditions were reported. The spherical bearings were frozen at both ends of strut. (Ref. Report No. S05V1V022).</p> <p>Condition Report 2005101743 was initiated. Per RER 1040449701, the frozen bearings would not prevent the pipe support from performing its design function.</p> <p>Work Order 1051525901 corrected this condition by cleaning and lubricating the spherical bearings.</p> <p>No further action is required.</p>
I05V1002	NA	Not applicable to an ASME Class 1 or 2 examination.
I05V1003	11208-005-CV110	<p>During a UT examination of component 11208-005-CV110, the 2" x 3" expander downstream of flow orifice FO-202 showed a significant amount of difference compared to FO-200 and 201. The minimum reading obtained was 0.386 on the 2" portion of the expander, which is above the nominal wall value for a 2" schedule 160 component (0.344"), Ref Report No. S05V1U563.</p> <p>Condition Report 2005102450 was written to address this condition. During the 2R10 refueling outage, RER 2003-VO561 was generated concerning wall thickness results for the Unit 2 similar component (21208-005-CV110). Based on the Unit 2 calculations, the 2" portion of the component has a min wall allowance of 0.227" and the 3" segment a 0.337". It was determined that the Unit 2 component with a thickness of 0.263" was acceptable based on a cavitation wear rate of 0.020" for continued service for one refueling cycle where re-examination and possible replacement is scheduled. Based on the fact that the Unit 1 component has a 0.386" value (on the 2" portion of the reducer) compared to the 0.263" for Unit 2, justification is warranted for at least one additional cycle. It is recommended to examine the component just downstream of the flow orifice (FO-202) during the next refueling cycle (1R13) for conservative consideration which will assist in refining the proper wear rate and may yield a longer service life.</p> <p>Action Item 2005200815 was generated to examine this location in 1R13.</p>

The INF(s) constitute only those *reportable* indications or conditions observed during the SNC M & IS Department scope of work. Any *reportable* indications or conditions observed by VEGP Site personnel or outside contractors during their scope of work should be identified by/to the VEGP site in report document(s) which are referenced herein.

## 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 at VEGP-1 since the last maintenance/refueling outage (1R11) through the completion of the twelfth maintenance/refueling outage (1R12). 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.

The NIS-2s for the following travelers are included herein:

01086**	03032	03091	03109**	04141
01088**	03033**	03092	03110	04146
02088	03037	03093	03129	04151
03003**	03066**	03094	04122	04153
03010	03077**	03096	04124	04154
03013	03081	03097	04125	04156
03020	03083	03102	04129	04160
03021	03084	03103	04130	05058
03022	03085	03104	04131	05059
03023	03086	03105	04133	05060
03024	03087	03106	04139	05061
03025	03089	03108**	04140	

\*\* These travelers are certified on the same NIS-2 report:  
01086 is certified with 03066,  
01088 is certified with 03033,  
03077 is certified with 03003, and  
03108 is certified with 03109.

# ORIGINAL

## FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS

As Required By The Provisions Of The ASME Code Section XI

Traveler # 02088

1. Owner Southern Nuclear Operating Company Date 11/03/03  
 Name 40 Inverness Center Parkway, Birmingham, AL Sheet 1 Of 1
2. Plant Vogtle Electric Generating Plant Unit 1  
 Address Waynesboro, GA 30830 MWO # 10202102  
 Repair Organization P.O. No., Job No., etc.
3. Work Performed by Nuclear Operations Maintenance Plant Vogtle  
 Name Address
4. Identification Of System 1206 / Containment Spray System
5. (a) Applicable Construction Code ASME SEC III 1974 Edition, Summer 1976 Addenda, N/A Code Case  
 (b) Applicable Edition of Section XI Utilized For Repairs Or Replacements 1989
6. Identification Of Components Repairs Or Replacement Components

NAME OF COMPONENT	NAME OF MANUFACTURER	MANUFACTURER SERIAL NO.	NATIONAL BOARD NO.	OTHER IDENTIFICATION	YEAR BUILT	REPAIRED, REPLACED OR REPLACEMENT	ASME CODE STAMPED (YES OR NO)
ENCAPSULATION VESSEL	RICHMOND ENGINEERING CO., INC.	N2431.30	N/A	1-1206-V4-001	1981	REPLACEMENT	YES

7. Description Of Work Installed lifting lugs by welding on vessel cover in accordance with DCP 99-VAN0001. A 10 CFR 50, Appendix J, leakage test was completed after the installation in accordance with procedure 24938-1.

8. Test Conducted: Hydrostatic  Pneumatic  Nominal Operating Pressure   
 N/A  Other  Pressure N/A PSI Test Temp. N/A °F

### CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this REPLACEMENT conforms to the rules of the ASME Code, Section XI

Type Code Symbol Stamp N/A

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

Signed [Signature] Team Leader Date 11/4/2003  
 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 07/22/03 to 11-4-03, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owners Report in accordance with the requirements of the ASME Code, Section XI.

By signing this certificate, neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owners 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 GA203  
 Inspector's Signature National Board, State, Province and Endorsements

Date 11-4-03

*2003*  
11/03/03



ORIGINAL

FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS

As Required By The Provisions Of The ASME Code Section XI

Traveler # 03003

1. Owner Southern Nuclear Operating Company
Date November 14, 2003
Name
Address 40 Inverness Center Parkway, Birmingham, AL
Sheet 1 of 1
2. Plant Vogtle Electric Generating Plant
Unit 1
Waynesboro, GA 30830
MWO # 10203773 & PO#7057227-0001
Address Repair Organization P.O. No., Job No., etc.

3. Work Performed by Nuclear Operations Maintenance
Name
Address Plant Vogtle

4. Identification Of System 1301 / Main Steam System

5. (a) Applicable Construction Code ASME Section III 1974 Edition, Winter 1975 Addenda, N/A Code Case
(b) Applicable Edition of Section XI Utilized For Repairs Or Replacements 1989

6. Identification Of Components Repairs Or Replacement Components

Table with 8 columns: NAME OF COMPONENT, NAME OF MANUFACTURER, MANUFACTURER SERIAL NO., NATIONAL BOARD NO., OTHER IDENTIFICATION, YEAR BUILT, REPAIRED, REPLACED OR REPLACEMENT, ASME CODE STAMPED (YES OR NO). Row 1: Valve, Crosby Valve and Gauge Co., N62569-00-0024, N/A, 1PSV-3011, 1980, REPLACEMENT, YES.

7. Description Of Work Replace valve N62569-00-0041 with N62569-00-0024, valve spring and washers replaced on valve N62569-00-0024 under Purchase Order #7057227-0001 and ASME Section XI Traveler #03077. Valve N62569-00-0024 originally installed during construction as 2PSV-3031 and is currently being used as a rotating spare.

8. Tests Conducted: Hydrostatic [ ] Pneumatic [ ] Nominal Operating Pressure [ ]
N/A [x] Other [ ] Pressure N/A PSI Test Temp. N/A °F

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp N/A

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

Signed [Signature] Date 11/17/2003
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 January 31, 2003 to 11-17-03, 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 Owners Report in accordance with the requirements of the ASME Code, Section XI.

By signing this certificate, neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owners 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 GA203
Inspector's Signature National Board, State, Province and Endorsements

Date 11-17-03

02/18/03 11/17/03

# ORIGINAL

## FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS

As Required By The Provisions Of The ASME Code Section XI

Traveler # 03010

1. Owner Southern Nuclear Operating Company Date November 18, 2003  
Name  
40 Inverness Center Parkway, Birmingham, AL Sheet 1 of 1  
Address
2. Plant Vogtle Electric Generating Plant Unit 1  
Plant  
Waynesboro, GA 30830 MWO # 10300366  
Address Repair Organization P.O. No., Job No., etc.
3. Work Performed by Nuclear Operations Maintenance Plant Vogtle  
Name Address
4. Identification Of System 1205 / Residual Heat Removal System
5. (a) Applicable Construction Code ASME Section III 1971 Edition, Summer 1972 Addenda, N/A Code Case  
(b) Applicable Edition of Section XI Utilized For Repairs Or Replacements 1989
6. Identification Of Components Repairs Or Replacement Components

NAME OF COMPONENT	NAME OF MANUFACTURER	MANUFACTURER SERIAL NO.	NATIONAL BOARD NO.	OTHER IDENTIFICATION	YEAR BUILT	REPAIRED, REPLACED OR REPLACEMENT	ASME CODE STAMPED (YES OR NO)
RELIEF VALVE	CROSBY	N56904-00-0065	N/A	1PSV-8708B	1975	REPLACEMENT	YES

7. Description Of Work Installed replacement valve. This replacement valve is a rotating spare; originally purchased under PO# 7004045 and received under MIR# 00910466.
8. Tests Conducted: Hydrostatic  Pneumatic  Nominal Operating Pressure   
N/A  Other  Pressure N/A PSI Test Temp. N/A °F

### CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp N/A

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

Signed [Signature] Date 11/19/2003  
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 February 25, 2003 to 11-21-03, 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 Owners Report in accordance with the requirements of the ASME Code, Section XI.

By signing this certificate, neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owners 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 GA 203  
Inspector's Signature National Board, State, Province and Endorsements

Date 11-21-03

11/18/03

# ORIGINAL

## FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS

As Required By The Provisions Of The ASME Code Section XI

Traveler # 03013

1. Owner Southern Nuclear Operating Company Date October 30, 2003  
 Name  
40 Inverness Center Parkway, Birmingham, AL Sheet 1 of 1  
 Address
2. Plant Vogtle Electric Generating Plant Unit 1  
 Plant  
Waynesboro, GA 30830 MWO # 10203670  
 Address Repair Organization P.O. No., Job No., etc.
3. Work Performed by Nuclear Operations Maintenance Plant Vogtle  
 Name Address
4. Identification Of System 1201 / Reactor Coolant System
5. (a) Applicable Construction Code ASME Section III 1977 Edition, Winter 1977 Addenda, N-249-1 Code Case  
 (b) Applicable Edition of Section XI Utilized For Repairs Or Replacements 1989
6. Identification Of Components Repairs Or Replacement Components

NAME OF COMPONENT	NAME OF MANUFACTURER	MANUFACTURER SERIAL NO.	NATIONAL BOARD NO.	OTHER IDENTIFICATION	YEAR BUILT	REPAIRED, REPLACED OR REPLACEMENT	ASME CODE STAMPED (YES OR NO)
PIPE SUPPORT	PULLMAN POWER PRODUCTS	N/A	N/A	V1-1201-030-H601	1987	REPLACEMENT	YES

7. Description Of Work <sup>151 cap 482 comp 11/3/03 151 cap 11/3/03 151 cap 11/3/03</sup> Snubber AD-501, serial # 452 was replaced with AD-501, serial # 482 to support surveillance testing.
8. Tests Conducted: Hydrostatic  Pneumatic  Nominal Operating Pressure   
 N/A  Other  Pressure N/A PSI Test Temp. N/A °F

### CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp N/A

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

Signed N. J. [Signature] Date 10/31/2003  
 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 March 14, 2003 to 11-3-03, 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 Owners Report in accordance with the requirements of the ASME Code, Section XI.

By signing this certificate, neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owners 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 GA 203  
 Inspector's Signature National Board, State, Province and Endorsements

Date 11-03-03

cap 482 11/3/03

# ORIGINAL

## FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS

As Required By The Provisions Of The ASME Code Section XI

Traveler # 03020

1. Owner Southern Nuclear Operating Company Date 01/06/04  
 Name 40 Inverness Center Parkway, Birmingham, AL Sheet 1 Of 3
2. Plant Vogtle Electric Generating Plant Unit 1  
 Address Waynesboro, GA 30830 MWO # 10300891  
 Repair Organization P.O. No., Job No., etc.
3. Work Performed by Nuclear Operations Maintenance Plant Vogtle  
 Name Address
4. Identification Of System 1208 / Chemical and Volume Control System
5. (a) Applicable Construction Code ASME SEC III 1977 Edition, Winter 1977 Addenda, N/A Code Case  
 (b) Applicable Edition of Section XI Utilized For Repairs Or Replacements 1989
6. Identification Of Components Repairs Or Replacement Components

NAME OF COMPONENT	NAME OF MANUFACTURER	MANUFACTURER SERIAL NO.	NATIONAL BOARD NO.	OTHER IDENTIFICATION	YEAR BUILT	REPAIRED, REPLACED OR REPLACEMENT	ASME CODE STAMPED (YES OR NO)
VALVE	COPES-VULCAN	8220-95439-1-7	2366	1HV-41326B	1983	REPLACEMENT	YES

7. Description Of Work Valve plug was replaced during installation of a quick disconnect modification under MDC# 02-V1M027. The replacement plug was provided in a trim assembly with serial number 0321-86986-1-2. A copy of Form N-2 for the replacement plug is attached.

8. Test Conducted: Hydrostatic  Pneumatic  Nominal Operating Pressure   
 Other  Pressure N/A PSI Test Temp. N/A °F

### CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp N/A

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

Signed [Signature] Team Leader Date 1/9/2004  
 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 Hartford, Connecticut have inspected the components described in this Owner's Report during the period 03/31/03 to 1-12-04, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owners Report in accordance with the requirements of the ASME Code, Section XI.

By signing this certificate, neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owners 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 GA 203  
 Inspector's Signature National Board, State, Province and Endorsements

Date 1-12-04

Sent 01/09/04

FORM N-2 CERTIFICATE HOLDERS' DATA REPORT FOR IDENTICAL  
NUCLEAR PARTS AND APPURTENANCES\*

Sheet 2 of 3

As Required by the Provisions of the ASME Code, Section III  
Not to Exceed One Day's Production

Pg. 1 of \_\_\_\_\_

1. Manufactured and certified by SPX Valves & Controls, 5620 West Road, McKean, PA 16426  
(name and address of NPT Certificate Holder)
2. Manufactured for Georgia Power Company, c/o Southern Nuclear Operating Co., Birmingham, AL  
(name and address of Purchaser)
3. Location of installation Vogtle Electric Generating Plant, Waynesboro, GA  
(name and address)
4. Type: L-139924 Rev.7 SA479 Tp410 \* N/A 2003  
(drawing no.) (mat'l. spec. no.) (tensile strength) (CRN) (year built)
5. ASME Code, Section III, Division 1: 1977 Winter 1977 2 N/A  
(edition) (addenda date) (class) (Code Case no.)
6. Fabricated in accordance with Const. Spec. (Div. 2 only) N/A Revision N/A Date N/A  
(no.)
7. Remarks: 2" 1500 Trim for valve Assembly Drawing E-263532 Rev. 4
- CUSTOMER PO 7057052 SPX Job 86986

8. Nom. thickness (in.) N/A Min. design thickness (in.) N/A Dia. ID (ft & in.) N/A Length overall (ft & in.) N/A
9. When applicable, Certificate Holders' Data Reports are attached for each item of this report:

Part or Appurtenance Serial Number	National Board No. in Numerical Order
(1) 0321-86986-1-1 (0301)	N/A
(2) 0321-86986-1-2 (0302)	N/A
(3) 0321-86986-1-3 (0303)	N/A
(4)	
(5)	
(6)	
(7)	
(8)	
(9)	
(10) * NC2170	
(11) Heat treatment to enhance	
(12) impact properties	
(13)	
(14)	
(15)	
(16)	
(17)	
(18)	
(19)	
(20)	
(21)	
(22)	
(23)	
(24)	
(25)	

Part or Appurtenance Serial Number	National Board No. in Numerical Order
(26)	
(27)	
(28)	
(29)	
(30)	
(31)	
(32)	
(33)	
(34)	
(35)	
(36)	
(37)	
(38)	
(39)	
(40)	
(41)	
(42)	
(43)	
(44)	
(45)	
(46)	
(47)	
(48)	
(49)	
(50)	

10. Design pressure 3100 psi. Temp. 250 °F. Hydro. test pressure N/A at temp. °F  
(when applicable)

\* Supplemental information in the form of lists, sketches, or drawings may be used provided (1) size is 8 1/2 x 11, (2) information in Items 2 and 3 on this Data Report is included on each sheet, (3) each sheet is numbered and the number of sheets is recorded at the top of this form.

Certificate Holder's Serial Nos. 1-1 through 1-3

CERTIFICATION OF DESIGN

Design specifications certified by N/A (when applicable) P.E. State \_\_\_\_\_ Reg. no. \_\_\_\_\_

Design report\* certified by N/A (when applicable) P.E. State \_\_\_\_\_ Reg. no. \_\_\_\_\_

CERTIFICATE OF COMPLIANCE

We certify that the statements made in this report are correct and that this (these) Plugs conforms to the rules of construction of the ASME Code, Section III, Division 1.

NPT Certificate of Authorization No. N-3053 Expires 10/5/04

Date 7-8-03 Name SPX Valves & Controls Signed [Signature]  
(NPT Certificate Holder) (Authorized representative)

CERTIFICATE OF 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 Penna and employed by OneBeacon America Insurance Company of Boston, MA have inspected these items described in this Data Report on 7-8-03, and state that to the best of my knowledge and belief, the Certificate Holder has fabricated these parts or appurtenances in accordance with the ASME Code, Section III, Division 1. Each part listed has been authorized for stamping on the date shown above.

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

Date 7-8-03 Signed [Signature] Commissions P22274  
(Authorized Inspector) (Nat'l. Bd. (incl. endorsements) and state or prov. and no.)

# ORIGINAL

## FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS

As Required By The Provisions Of The ASME Code Section XI

Traveler # 03021

1. Owner Southern Nuclear Operating Company Date 01/05/04  
 Name 40 Inverness Center Parkway, Birmingham, AL Sheet 1 Of 3
2. Plant Vogtle Electric Generating Plant Unit 1  
 Address Waynesboro, GA 30830 MWO # 10300890  
 Repair Organization P.O. No., Job No., etc.
3. Work Performed by Nuclear Operations Maintenance Plant Vogtle  
 Name Address
4. Identification Of System 1208 / Chemical and Volume Control System
5. (a) Applicable Construction Code ASME SEC III 1977 Edition, Winter 1977 Addenda, N/A Code Case  
 (b) Applicable Edition of Section XI Utilized For Repairs Or Replacements 1989
6. Identification Of Components Repairs Or Replacement Components

NAME OF COMPONENT	NAME OF MANUFACTURER	MANUFACTURER SERIAL NO.	NATIONAL BOARD NO.	OTHER IDENTIFICATION	YEAR BUILT	REPAIRED, REPLACED OR REPLACEMENT	ASME CODE STAMPED (YES OR NO)
VALVE	COPES-VULCAN	8220-95439-1-5	2360	1HV-41326A	1984	REPLACEMENT	YES

7. Description Of Work Valve plug was replaced during installation of a quick disconnect modification under MDC# 02-V1M027. The replacement plug was provided in a trim assembly with serial number 0321-86986-3-1. A copy of Form N-2 for the replacement plug is attached.

8. Test Conducted: Hydrostatic  Pneumatic  Nominal Operating Pressure   
 Other  Pressure N/A PSI Test Temp. N/A °F

### CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp N/A

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

Signed [Signature] Team Leader Date 1/6/2004  
 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 04/01/03 to 1-6-04, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owners Report in accordance with the requirements of the ASME Code, Section XI.

By signing this certificate, neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owners 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 GA203  
 Inspector's Signature National Board, State, Province and Endorsements  
 Date 1-6-04

*Handwritten note:* 2004 01/05/04





0321-86986-

Certificate Holder's Serial Nos. 3-1 through 3-3

CERTIFICATION OF DESIGN

Design specifications certified by N/A (when applicable) P.E. State \_\_\_\_\_ Reg. no. \_\_\_\_\_

Design report\* certified by N/A (when applicable) P.E. State \_\_\_\_\_ Reg. no. \_\_\_\_\_

CERTIFICATE OF COMPLIANCE

We certify that the statements made in this report are correct and that this (these) Plugs conforms to the rules of construction of the ASME Code, Section III, Division 1.

NPT Certificate of Authorization No. N-3053 Expires 10/5/04

Date 6-26-03 Name SPX Valves & Controls Signed [Signature]  
(NPT Certificate Holder) (authorized representative)

CERTIFICATE OF 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 Penna and employed by OneBeacon America Insurance Company

of Boston, MA have inspected these items described in this Data Report on 6-26-03, and state that to the best of my knowledge and belief, the Certificate Holder has fabricated these parts or appurtenances in accordance with the ASME Code, Section III, Division 1. Each part listed has been authorized for stamping on the date shown above.

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

Date 6-26-03 Signed [Signature] Commissions P-2274  
(Authorized Inspector) [Nat'l. Bd. (incl. endorsements) and state or prov. and no.]

# ORIGINAL

## FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS

As Required By The Provisions Of The ASME Code Section XI

Traveler # 03022

1. Owner Southern Nuclear Operating Company Date 01/05/04  
 Name 40 Inveness Center Parkway, Birmingham, AL Sheet 1 Of 3
2. Plant Vogtle Electric Generating Plant Unit 1  
Waynesboro, GA 30830 MWO # 10300893  
 Address Repair Organization P.O. No., Job No., etc.
3. Work Performed by Nuclear Operations Maintenance Plant Vogtle  
 Name Address
4. Identification Of System 1208 / Chemical and Volume Control System
5. (a) Applicable Construction Code ASME SEC III 1977 Edition, Winter 1977 Addenda, N/A Code Case  
 (b) Applicable Edition of Section XI Utilized For Repairs Or Replacements 1989
6. Identification Of Components Repairs Or Replacement Components

NAME OF COMPONENT	NAME OF MANUFACTURER	MANUFACTURER SERIAL NO.	NATIONAL BOARD NO.	OTHER IDENTIFICATION	YEAR BUILT	REPAIRED, REPLACED OR REPLACEMENT	ASME CODE STAMPED (YES OR NO)
VALVE	COPEES-VULCAN	8220-95439-2-5	2369	1HV-41326D	1983	REPLACEMENT	YES

7. Description Of Work Valve plug was replaced during installation of a quick disconnect modification under MDC# 02-V1M027. The replacement plug was provided in a trim assembly with serial number 0321-86986-1-1. A copy of Form N-2 for the replacement plug is attached.
8. Test Conducted: Hydrostatic  Pneumatic  Nominal Operating Pressure   
 N/A  Other  Pressure N/A PSI Test Temp. N/A °F

### CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp N/A

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

Signed W. S. Gentry, Team Leader Date 1/6/2004  
 Owner or Owner's Designee, Title

Back 01/05/04

### 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 04/01/03 to 1-6-04, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owners Report in accordance with the requirements of the ASME Code, Section XI.

By signing this certificate, neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owners 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.

7773 Chapman Commissions GA-203  
 Inspector's Signature National Board, State, Province and Endorsements

Date 1-6-04

FORM N-2 CERTIFICATE HOLDERS' DATA REPORT FOR IDENTICAL  
NUCLEAR PARTS AND APPURTENANCES\*

Traveler# 03022  
Sheet 2 of 3

As Required by the Provisions of the ASME Code, Section III  
Not to Exceed One Day's Production

Pg. 1 of \_\_\_\_\_

1. Manufactured and certified by SPX Valves & Controls, 5620 West Road, McKean, PA 16426  
(name and address of NPT Certificate Holder)
2. Manufactured for Georgia Power Company, c/o Southern Nuclear Operating Co., Birmingham, AL  
(name and address of Purchaser)
3. Location of installation Vogtle Electric Generating Plant, Waynesboro, GA  
(name and address)
4. Type: L-139924 Rev. 7 SA479 Tp410 \* N/A 2003  
(drawing no.) (mat'l spec. no.) (tensile strength) (CRN) (year built)
5. ASME Code, Section III, Division 1: 1977 Winter 1977 2 N/A  
(edition) (addenda date) (class) (Code Case no.)
6. Fabricated in accordance with Const. Spec. (Div. 2 only) N/A Revision N/A Date N/A  
(no.)
7. Remarks: 2" 1500 Trim for valve Assembly Drawing E-263532 Rev. 4
- CUSTOMER PO 7057052 SPX Job 86986

8. Nom. thickness (in.) N/A Min. design thickness (in.) N/A Dia. ID (ft & in.) N/A Length overall (ft & in.) N/A
9. When applicable, Certificate Holders' Data Reports are attached for each item of this report:

Part or Appurtenance Serial Number	National Board No. in Numerical Order
(1) 0321-86986-1-1 (0301)	N/A
(2) 0321-86986-1-2 (0302)	N/A
(3) 0321-86986-1-3 (0303)	N/A
(4)	
(5)	
(6)	
(7)	
(8)	
(9)	
(10) * NC2170	
(11) Heat treatment to enhance	
(12) impact properties	
(13)	
(14)	
(15)	
(16)	
(17)	
(18)	
(19)	
(20)	
(21)	
(22)	
(23)	
(24)	
(25)	

Part or Appurtenance Serial Number	National Board No. in Numerical Order
(26)	
(27)	
(28)	
(29)	
(30)	
(31)	
(32)	
(33)	
(34)	
(35)	
(36)	
(37)	
(38)	
(39)	
(40)	
(41)	
(42)	
(43)	
(44)	
(45)	
(46)	
(47)	
(48)	
(49)	
(50)	

10. Design pressure 3100 psi. Temp. 250 °F. Hydro. test pressure N/A at temp. °F  
(when applicable)

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

Certificate Holder's Serial Nos. 1-1 through 1-3

CERTIFICATION OF DESIGN

Design specifications certified by N/A (when applicable) P.E. State Reg. no.

Design report\* certified by N/A (when applicable) P.E. State Reg. no.

CERTIFICATE OF COMPLIANCE

We certify that the statements made in this report are correct and that this (these) Plugs conforms to the rules of construction of the ASME Code, Section III, Division 1.

NPT Certificate of Authorization No. N-3053 Expires 10/5/04

Date 7-8-03 Name SPX Valves & Controls (NPT Certificate Holder) Signed R.F. Kent (authorized representative)

CERTIFICATE OF 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 Penna and employed by OneBeacon America Insurance Company of Boston, MA have inspected these items described in this Data Report on 7-8-03, and state that to the best of my knowledge and belief, the Certificate Holder has fabricated these parts or appurtenances in accordance with the ASME Code, Section III, Division 1. Each part listed has been authorized for stamping on the date shown above.

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

Date 7-8-03 Signed [Signature] (Authorized Inspector) Commissions 042274 (Natl. Bd. (incl. endorsements) and state or prov. and no.)

# ORIGINAL

## FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS

As Required By The Provisions Of The ASME Code Section XI

Traveler # 03023

1. Owner Southern Nuclear Operating Company Date 01/05/04  
 Name 40 Inverness Center Parkway, Birmingham, AL Sheet 1 Of 3
2. Plant Vogtle Electric Generating Plant Unit 1  
Waynesboro, GA 30830 MWO # 10300892  
 Address Repair Organization P.O. No., Job No., etc.
3. Work Performed by Nuclear Operations Maintenance Plant Vogtle  
 Name Address
4. Identification Of System 1208 / Chemical and Volume Control System
5. (a) Applicable Construction Code ASME SEC III 1977 Edition, Winter 1977 Addenda, N/A Code Case  
 (b) Applicable Edition of Section XI Utilized For Repairs Or Replacements 1989
6. Identification Of Components Repairs Or Replacement Components

NAME OF COMPONENT	NAME OF MANUFACTURER	MANUFACTURER SERIAL NO.	NATIONAL BOARD NO.	OTHER IDENTIFICATION	YEAR BUILT	REPAIRED, REPLACED OR REPLACEMENT	ASME CODE STAMPED (YES OR NO)
VALVE	COPEES-VULCAN	8220-95439-3-3	2374	1HV-41326C	1983	REPLACEMENT	YES

7. Description Of Work Valve plug was replaced during installation of a quick disconnect modification under MDC# 02-V1M027. The replacement plug was provided in a trim assembly with serial number 0321-86986-3-2. A copy of Form N-2 for the replacement plug is attached.

8. Test Conducted: Hydrostatic  Pneumatic  Nominal Operating Pressure   
 Other  Pressure N/A PSI Test Temp. N/A °F

### CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp N/A

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

Signed W. E. Gwalt Team Leader Date 1/6/2004  
 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 04/01/03 to 1-6-04, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owners Report in accordance with the requirements of the ASME Code, Section XI.

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

W. B. Chapman Commissions GA203  
 Inspector's Signature National Board, State, Province and Endorsements

Date 1-6-04

*Dink*  
*01/05/04*

FORM N-2 CERTIFICATE HOLDERS' DATA REPORT FOR IDENTICAL  
NUCLEAR PARTS AND APPURTENANCES\*

As Required by the Provisions of the ASME Code, Section III  
Not to Exceed One Day's Production

1. Manufactured and certified by SPX Valves & Controls, 5620 West Road, McKean, PA 16426  
(name and address of NPT Certificate Holder)
2. Manufactured for Georgia Power Company, c/o Southern Nuclear Operating Co., Birmingham, AL  
(name and address of Purchaser)
3. Location of installation Vogtle Electric Generating Plant, Waynesboro, GA  
(name and address)
4. Type: L-263962 Rev.OMKD SA479 Tp 304 92.5 ksi N/A 2003  
(drawing no.) (mat'l spec. no.) (tensile strength) (CRN) (year built)
5. ASME Code, Section III, Division 1: 1977 Winter 1977 2 N/A  
(edition) (addenda date) (class) (Code Case no.)
6. Fabricated in accordance with Const. Spec. (Div. 2 only) N/A Revision N/A Date N/A
7. Remarks: 3" Trim Assembly for a 3" 1500 Valve Assembly Drawing E-263533 Rev. 4  
Customer PO 7057052 SPX Order 86986

8. Nom. thickness (in.) N/A Min. design thickness (in.) N/A Dia. ID (ft & in.) N/A Length overall (ft & in.) N/A
9. When applicable, Certificate Holders' Data Reports are attached for each item of this report:

Part or Appurtenance Serial Number	National Board No. In Numerical Order
(1) 0321-86986-3-1 (0301)	N/A
(2) 0321-86986-3-2 (0302)	N/A
(3) 0321-86986-3-3 (0303)	N/A
(4)	
(5)	
(6)	
(7)	
(8)	
(9)	
(10)	
(11)	
(12)	
(13)	
(14)	
(15)	
(16)	
(17)	
(18)	
(19)	
(20)	
(21)	
(22)	
(23)	
(24)	
(25)	

Part or Appurtenance Serial Number	National Board No. In Numerical Order
(26)	
(27)	
(28)	
(29)	
(30)	
(31)	
(32)	
(33)	
(34)	
(35)	
(36)	
(37)	
(38)	
(39)	
(40)	
(41)	
(42)	
(43)	
(44)	
(45)	
(46)	
(47)	
(48)	
(49)	
(50)	

10. Design pressure 3100 psi. Temp. 250 °F. Hydro. test pressure N/A at temp. °F.  
(when applicable)

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

Certificate Holder's Serial Nos. 3-1 through 3-3

**CERTIFICATION OF DESIGN**

Design specifications certified by N/A (when applicable) P.E. State \_\_\_\_\_ Reg. no. \_\_\_\_\_

Design report\* certified by N/A (when applicable) P.E. State \_\_\_\_\_ Reg. no. \_\_\_\_\_

**CERTIFICATE OF COMPLIANCE**

We certify that the statements made in this report are correct and that this (these) Plugs conforms to the rules of construction of the ASME Code, Section III, Division 1.

NPT Certificate of Authorization No. N-3053 Expires 10/5/04

Date 6-26-03 Name SPX Valves & Controls Signed [Signature]  
(NPT Certificate Holder) (authorized representative)

**CERTIFICATE OF 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 Penna and employed by OneBeacon America Insurance Company of Boston, MA have inspected these items described in this Data Report on 6-26-03, and state that to the best of my knowledge and belief, the Certificate Holder has fabricated these parts or appurtenances in accordance with the ASME Code, Section III, Division 1. Each part listed has been authorized for stamping on the date shown above.

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

Date 6-26-03 Signed [Signature] Commissions A-2274  
(Authorized Inspector) [Nat'l. Bd. (incl. endorsements) and state or prov. and no.]

# ORIGINAL

## FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS

As Required By The Provisions Of The ASME Code Section XI

Traveler # 03024

1. Owner Southern Nuclear Operating Company Date 01/05/04  
 Name 40 Inverness Center Parkway, Birmingham, AL Sheet 1 Of 3
2. Plant Vogtle Electric Generating Plant Unit 1  
 Address Waynesboro, GA 30830 MWO # 10201376  
 Repair Organization P.O. No., Job No., etc.
3. Work Performed by Nuclear Operations Maintenance Plant Vogtle  
 Name Address
4. Identification Of System 1208 / Chemical and Volume Control System
5. (a) Applicable Construction Code ASME SEC III 1977 Edition, Winter 1977 Addenda, N/A Code Case  
 (b) Applicable Edition of Section XI Utilized For Repairs Or Replacements 1989
6. Identification Of Components Repairs Or Replacement Components

NAME OF COMPONENT	NAME OF MANUFACTURER	MANUFACTURER SERIAL NO.	NATIONAL BOARD NO.	OTHER IDENTIFICATION	YEAR BUILT	REPAIRED, REPLACED OR REPLACEMENT	ASME CODE STAMPED (YES OR NO)
VALVE	COPE-S-VULCAN	8220-95439-2-7	2371	1HV-41326E	1983	REPLACEMENT	YES

7. Description Of Work Valve plug was replaced during installation of a quick disconnect modification under MDC# 02-V1M027. The replacement plug was provided in a trim assembly with serial number 0321-86986-1-3. A copy of Form N-2 for the replacement plug is attached.

8. Test Conducted: Hydrostatic  Pneumatic  Nominal Operating Pressure   
 Other  Pressure N/A PSI Test Temp. N/A \*F  
 N/A

### CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp N/A

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

Signed [Signature] Team Leader Date 1/6/2004  
 Owner or Owner's Designee, Title

*Done 01/05/04*

### 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 Hartford, Connecticut have inspected the components described in this Owner's Report during the period 04/01/03 to 1-6-04, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owners Report in accordance with the requirements of the ASME Code, Section XI.

By signing this certificate, neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owners 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 GA.705  
 Inspector's Signature National Board, State, Province and Endorsements

Date 1-6-04



FORM N-2 CERTIFICATE HOLDERS' DATA REPORT FOR IDENTICAL  
NUCLEAR PARTS AND APPURTENANCES\*

Sheet 2 of 3

As Required by the Provisions of the ASME Code, Section III  
Not to Exceed One Day's Production

Pg. 1 of \_\_\_\_\_

1. Manufactured and certified by SPX Valves & Controls, 5620 West Road, McKean, PA 16426  
(name and address of NPT Certificate Holder)
2. Manufactured for Georgia Power Company, c/o Southern Nuclear Operating Co., Birmingham, AL  
(name and address of Purchaser)
3. Location of installation Vogtle Electric Generating Plant, Waynesboro, GA  
(name and address)
4. Type: L-139924 Rev. 7 SA479 Tp410 \* N/A 2003  
(drawing no.) (mat'l. spec. no.) (tensile strength) (CRN) (year built)
5. ASME Code, Section III, Division 1: 1977 Winter 1977 2 N/A  
(edition) (addenda date) (class) (Code Case no.)
6. Fabricated in accordance with Const. Spec. (Div. 2 only) N/A Revision N/A Date N/A  
(no.)
7. Remarks: 2" 1500 Trim for valve Assembly Drawing E-263532 Rev. 4

CUSTOMER PO 7057052

SPX Job 86986

8. Nom. thickness (in.) N/A Min. design thickness (in.) N/A Dia. ID (ft & in.) N/A Length overall (ft & in.) N/A
9. When applicable, Certificate Holders' Data Reports are attached for each item of this report:

Part or Appurtenance Serial Number	National Board No. in Numerical Order	Part or Appurtenance Serial Number	National Board No. in Numerical Order
(1) 0321-86986-1-1 (0301)	N/A	(26)	
(2) 0321-86986-1-2 (0302)	N/A	(27)	
(3) 0321-86986-1-3 (0303)	N/A	(28)	
(4)		(29)	
(5)		(30)	
(6)		(31)	
(7)		(32)	
(8)		(33)	
(9)		(34)	
(10) * NC2170		(35)	
(11) Heat treatment to enhance		(36)	
(12) impact properties		(37)	
(13)		(38)	
(14)		(39)	
(15)		(40)	
(16)		(41)	
(17)		(42)	
(18)		(43)	
(19)		(44)	
(20)		(45)	
(21)		(46)	
(22)		(47)	
(23)		(48)	
(24)		(49)	
(25)		(50)	

10. Design pressure 3100 psi. Temp. 250 °F. Hydro. test pressure N/A at temp. °F  
(when applicable)

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

(12/88)

This form (E00040) may be obtained from the Order Dept., ASME, 22 Law Drive, Box 2300, Fairfield, NJ 07007-2300.

Reprint (7/91)

Certificate Holder's Serial Nos. 1-1 through 1-3

CERTIFICATION OF DESIGN

Design specifications certified by N/A (when applicable) P.E. State Reg. no.
Design report\* certified by N/A (when applicable) P.E. State Reg. no.

CERTIFICATE OF COMPLIANCE

We certify that the statements made in this report are correct and that this (these) Plugs conforms to the rules of construction of the ASME Code, Section III, Division 1.

NPT Certificate of Authorization No. N-3053 Expires 10/5/04

Date 7-8-03 Name SPX Valves & Controls (NPT Certificate Holder) Signed R.F. Kent (authorized representative)

CERTIFICATE OF 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 Penna and employed by OneBeacon America Insurance Company of Boston, MA have inspected these items described in this Data Report on 7-8-03, and state that to the best of my knowledge and belief, the Certificate Holder has fabricated these parts or appurtenances in accordance with the ASME Code, Section III, Division 1. Each part listed has been authorized for stamping on the date shown above.

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

Date 7-8-03 Signed [Signature] (Authorized Inspector) Commissions P22274 (Nat'l. Bd. [incl. endorsements] and state or prov. and no.)

# ORIGINAL

## FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS

As Required By The Provisions Of The ASME Code Section XI

Traveler # 03025

1. Owner Southern Nuclear Operating Company Date October 23, 2003  
Name  
40 Inverness Center Parkway, Birmingham, AL Sheet 1 of 1  
Address

2. Plant Vogtle Electric Generating Plant Unit 1  
Plant  
Waynesboro, GA 30830 MWO # 10202358  
Address Repair Organization P.O. No., Job No., etc.

3. Work Performed by Nuclear Operations Maintenance Plant Vogtle  
Name Address

4. Identification Of System 1204 / Safety Injection

5. (a) Applicable Construction Code ASME Section III 1977 Edition, Winter 1977 Addenda, N/A Code Case  
(b) Applicable Edition of Section XI Utilized For Repairs Or Replacements 1989

### 6. Identification Of Components Repairs Or Replacement Components

NAME OF COMPONENT	NAME OF MANUFACTURER	MANUFACTURER SERIAL NO.	NATIONAL BOARD NO.	OTHER IDENTIFICATION	YEAR BUILT	REPAIRED, REPLACED OR REPLACEMENT	ASME CODE STAMPED (YES OR NO)
PIPE SUPPORT	PULLMAN POWER PRODUCTS	N/A	N/A	1K7-1204-037-01	1987	REPLACEMENT	YES

7. Description Of Work A 1" branch weld connection was made 1204-037 piping per DCP 00-V1N0042 and WPCS 030164.

8. Tests Conducted: Hydrostatic  Pneumatic  Nominal Operating Pressure   
N/A  Other  Pressure N/A PSI Test Temp. N/A °F

### CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp N/A

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

Signed [Signature] Date 10/23/2003  
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 May 20, 2003 to 10-23-03, 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 Owners Report in accordance with the requirements of the ASME Code, Section XI.

By signing this certificate, neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owners 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 GA205  
Inspector's Signature National Board, State, Province and Endorsements

Date 10-23-03

# ORIGINAL

## FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS

As Required By The Provisions Of The ASME Code Section XI

Traveler # 03032

1. Owner Southern Nuclear Operating Company Date October 17, 2003  
Name  
40 Inverness Center Parkway, Birmingham, AL Sheet 1 of 1  
Address
2. Plant Vogtle Electric Generating Plant Unit 1  
Plant  
Waynesboro, GA 30830 MWO # 10203632  
Address Repair Organization P.O. No., Job No., etc.
3. Work Performed by Nuclear Operations Maintenance Plant Vogtle  
Name Address
4. Identification Of System 1301 / Main Steam System
5. (a) Applicable Construction Code ASME Section III 1977 Edition, Winter 1977 Addenda, N-249-1 Code Case  
(b) Applicable Edition of Section XI Utilized For Repairs Or Replacements 1989
6. Identification Of Components Repairs Or Replacement Components

NAME OF COMPONENT	NAME OF MANUFACTURER	MANUFACTURER SERIAL NO.	NATIONAL BOARD NO.	OTHER IDENTIFICATION	YEAR BUILT	REPAIRED, REPLACED OR REPLACEMENT	ASME CODE STAMPED (YES OR NO)
PIPE SUPPORT	PULLMAN POWER PRODUCTS	N/A	N/A	V1-1301-106-H005	1987	REPLACEMENT	YES

7. Description Of Work Snubber AD-5501, serial # 411 was replaced with AD-5501, serial # 231 to support surveillance testing.

8. Tests Conducted: Hydrostatic  Pneumatic  Nominal Operating Pressure   
N/A  Other  Pressure N/A PSI Test Temp. N/A °F

### CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp N/A

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

Signed [Signature] Date 10/20/2003  
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 August 4, 2003 to 10-21-03, 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 Owners Report in accordance with the requirements of the ASME Code, Section XI.

By signing this certificate, neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owners 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 GA 203  
Inspector's Signature National Board, State, Province and Endorsements

Date 10-21-03

# ORIGINAL

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

Traveler # 03033

1. Owner Southern Nuclear Operating Company Date October 23, 2003  
Name  
40 Inverness Center Parkway, Birmingham, AL Sheet 1 of 1  
Address
2. Plant Vogtle Electric Generating Plant Unit 1  
Plant  
Waynesboro, GA 30830 MWO # 10203631 and A0100788  
Address Repair Organization P.O. No., Job No., etc.
3. Work Performed by Nuclear Operations Maintenance Plant Vogtle  
Name Address
4. Identification Of System 1301 / Main Steam System
5. (a) Applicable Construction Code ASME Section III 1977 Edition, Winter 1977 Addenda, N-249-1 Code Case  
(b) Applicable Edition of Section XI Utilized For Repairs Or Replacements 1989
6. Identification Of Components Repairs Or Replacement Components

NAME OF COMPONENT	NAME OF MANUFACTURER	MANUFACTURER SERIAL NO.	NATIONAL BOARD NO.	OTHER IDENTIFICATION	YEAR BUILT	REPAIRED, REPLACED OR REPLACEMENT	ASME CODE STAMPED (YES OR NO)
PIPE SUPPORT	PULLMAN POWER PRODUCTS	N/A	N/A	V1-1301-105-H006	1987	REPLACEMENT	YES

7. Description Of Work Snubber AD-5501, serial # 242 was replaced with AD-5501, serial # 444 to support surveillance testing. Also, installed replacement socket on AD-5501, serial # 444 (reference Traveler # 01088 and MWO # A0100788).

8. Tests Conducted: Hydrostatic  Pneumatic  Nominal Operating Pressure   
N/A  Other  Pressure N/A PSI Test Temp. N/A °F

### CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp N/ACertificate of Authorization No. N/A Expiration Date N/ASigned [Signature] Date 10/24/2003  
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 August 28, 2001 to 10-27-03, 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 Owners Report in accordance with the requirements of the ASME Code, Section XI.

By signing this certificate, neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owners 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 [Signature] Commissions GA203  
National Board, State, Province and EndorsementsDate 10-27-03

# ORIGINAL

## FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS

As Required By The Provisions Of The ASME Code Section XI

Traveler # 03037  
2003 CAL 10/28/03

1. Owner Southern Nuclear Operating Company Date October 18, 2003  
Name  
40 Inverness Center Parkway, Birmingham, AL  
Address  
Sheet 1 of 1

2. Plant Vogtle Electric Generating Plant Unit 1  
Plant  
Waynesboro, GA 30830 MWO # 10203626  
Address Repair Organization P.O. No., Job No., etc.

3. Work Performed by Nuclear Operations Maintenance Plant Vogtle  
Name Address

4. Identification Of System 1302 / Auxillary Feedwater System

5. (a) Applicable Construction Code ASME Section III 1977 Edition, Winter 1977 Addenda, N-249-1 Code Case  
(b) Applicable Edition of Section XI Utilized For Repairs Or Replacements 1989

6. Identification Of Components Repairs Or Replacement Components

NAME OF COMPONENT	NAME OF MANUFACTURER	MANUFACTURER SERIAL NO.	NATIONAL BOARD NO.	OTHER IDENTIFICATION	YEAR BUILT	REPAIRED, REPLACED OR REPLACEMENT	ASME CODE STAMPED (YES OR NO)
PIPE SUPPORT	PULLMAN POWER PRODUCTS	N/A	N/A	V1-1302-107-H016	1987	REPLACEMENT	YES

7. Description Of Work Snubber AD-501, serial #524 was replaced with AD-501, serial #526 to support surveillance testing.

8. Tests Conducted: Hydrostatic  Pneumatic  Nominal Operating Pressure   
N/A  Other  Pressure N/A PSI Test Temp. N/A °F

### CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp N/A

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

Signed [Signature] Date 10/20/03  
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 August 6, 2003 to 10-21-03, 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 Owners Report in accordance with the requirements of the ASME Code, Section XI.

By signing this certificate, neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owners 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 GA203  
Inspector's Signature National Board, State, Province and Endorsements

Date 10-21-03

# ORIGINAL

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

Traveler # 03066

1. Owner Southern Nuclear Operating Company Date October 23, 2003  
Name 40 Inverness Center Parkway, Birmingham, AL Sheet 1 of 1  
Address
2. Plant Vogtle Electric Generating Plant Unit 1  
Plant Waynesboro, GA 30830 MWO # 10203616 and A0001343  
Address Repair Organization P.O. No., Job No., etc.
3. Work Performed by Nuclear Operations Maintenance Plant Vogtle  
Name Address
4. Identification Of System 1201 / Reactor Coolant System
5. (a) Applicable Construction Code ASME Section III 1977 Edition, Winter 1977 Addenda, N/A Code Case  
(b) Applicable Edition of Section XI Utilized For Repairs Or Replacements 1989
6. Identification Of Components Repairs Or Replacement Components

NAME OF COMPONENT	NAME OF MANUFACTURER	MANUFACTURER SERIAL NO.	NATIONAL BOARD NO.	OTHER IDENTIFICATION	YEAR BUILT	REPAIRED, REPLACED OR REPLACEMENT	ASME CODE STAMPED (YES OR NO)
PIPE SUPPORT	PULLMAN POWER PRODUCTS	N/A	N/A	V1-1201-049-H010	1987	REPLACEMENT	YES

7. Description Of Work Snubber PSA-100, serial # 2177 was replaced with PSA-100, serial # 2174 to support surveillance testing. Also, installed replacement end cap nut on PSA-100, serial # 2174 (reference Traveler # 01086 and MWO # A0001343).
8. Tests Conducted: Hydrostatic  Pneumatic  Nominal Operating Pressure   
N/A  Other  Pressure N/A PSI Test Temp. N/A °F

### CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp N/ACertificate of Authorization No. N/A Expiration Date N/ASigned W. J. Geisler, Team Leader Date 10/24/2003  
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 August 21, 2001 to 10-27-03, 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 Owners Report in accordance with the requirements of the ASME Code, Section XI.

By signing this certificate, neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owners 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 M. B. Chapman Commissions GA203  
National Board, State, Province and EndorsementsDate 10-27-03





# ORIGINAL

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

Traveler # 03083

1. Owner Southern Nuclear Operating Company Date 10/20/03  
Name 40 Inverness Center Parkway, Birmingham, AL Sheet 1 Of 3
2. Plant Vogtle Electric Generating Plant Unit 1  
Address Waynesboro, GA 30830 MWO # 10300555  
Repair Organization P.O. No., Job No., etc.
3. Work Performed by Nuclear Operations Maintenance Plant Vogtle  
Name Address
4. Identification Of System 1205 / Residual Heat Removal System

5. (a) Applicable Construction Code ASME SEC III 1977 Edition, Winter 1977 Addenda, N/A Code Case  
(b) Applicable Edition of Section XI Utilized For Repairs Or Replacements 1989 (Code Case N-416-1)
6. Identification Of Components Repairs Or Replacement Components

NAME OF COMPONENT	NAME OF MANUFACTURER	MANUFACTURER SERIAL NO.	NATIONAL BOARD NO.	OTHER IDENTIFICATION	YEAR BUILT	REPAIRED, REPLACED OR REPLACEMENT	ASME CODE STAMPED (YES OR NO)
VALVE	FLOWERVE CORP.	E452T-1-1	N/A	1-1205-U4-022	2001	REPLACEMENT	YES
1205 PIPING SYSTEM	PULLMAN POWER PRODUCTS	N/A	N/A	1K3-1205-007-05	1987	REPLACEMENT	YES

7. Description Of Work Installed replacement valve in accordance with MDC 03-V1M078. Copy of NPV-1 Form for the replacement valve is attached. Also, installed replacement pipe and elbow to facilitate valve replacement.
8. Test Conducted: N/A  Hydrostatic  Pneumatic  Nominal Operating Pressure  Code Case N-416-1  
Other  Pressure N/A PSI Test Temp. N/A °F

### CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp N/ACertificate of Authorization No. N/A Expiration Date N/ASigned W. S. Gueland Team Leader Date 10/20/03  
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 Hartford, Connecticut have inspected the components described in this Owner's Report during the period 10/06/03 to 10-22-03, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owners Report in accordance with the requirements of the ASME Code, Section XI.

By signing this certificate, neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owners 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 M. B. Chapman Commissions GA203  
National Board, State, Province and EndorsementsDate 10-22-03Date  
10/20/03



FORM NPV-1 (back)

8. Remarks \_\_\_\_\_

9. Design conditions 2735 psi 680 °F or valve pressure class 1878 (11)  
(pressure) (temperature)

10. Cold working pressure 4507 psi at 100°F

11. Hydrostatic test 6775 psi. Disk differential test pressure 4958 psi

CERTIFICATION OF DESIGN			
Design Specification certified by	<u>F.A. Bensinger</u>	P.E. State	<u>PA</u> Reg. no. <u>PE31002E</u>
Design Report certified by	<u>N/A</u>	P.E. State	Reg. no. _____

CERTIFICATE OF SHOP COMPLIANCE			
We certify that the statements made in this report are correct and that this pump or valve conforms to the rules for construction of the ASME Code, Section III, Division 1.			
N Certificate of Authorization No.	<u>N1712</u>	Expires	<u>4/15/04</u>
Date	<u>12-19-01</u>	Name	<u>Flowservs Corporation</u>
		Signed	<u>PK Decker</u>
			<small>(Authorized representative)</small>

CERTIFICATE OF SHOP INSPECTION			
I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State of <u>Pennsylvania</u> and employed by <u>Commercial Union Ins. Co.</u> of <u>Boston, MA.</u> have inspected the pump, or valve, described in this Data Report on <u>12-19-01</u> and state that to the best of my knowledge and belief, the Certificate Holder has constructed this pump, or valve, in accordance with the ASME Code, Section III, Division 1.			
By signing this certificate, neither the inspector nor his employer makes any warranty, expressed or implied, concerning the component described in this Data 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.			
Date	<u>12-19-01</u>	Signature	<u>Charles Youdel</u>
		Commissions	<u>Pennsylvania 2392</u>
			<u>256</u>
			<small>(Natl. Bd. Encl. endorsement) state or prov. and no.</small>

(1) For manually operated valves only.

# ORIGINAL

## FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS

As Required By The Provisions Of The ASME Code Section XI

Traveler # 03084

1. Owner Southern Nuclear Operating Company Date October 31, 2003  
Name 40 Inverness Center Parkway, Birmingham, AL Sheet 1 of 1  
Address Waynesboro, GA 30830
2. Plant Vogtle Electric Generating Plant Unit 1  
Plant Waynesboro, GA 30830 MWO # 10202678  
Address Repair Organization P.O. No., Job No., etc.
3. Work Performed by Nuclear Operations Maintenance Plant Vogtle  
Name Address
4. Identification Of System 1205 / Residual Heat Removal System
5. (a) Applicable Construction Code ASME Section III 1977 Edition, Winter 1977 Addenda, N/A Code Case  
(b) Applicable Edition of Section XI Utilized For Repairs Or Replacements 1989
6. Identification Of Components Repairs Or Replacement Components

NAME OF COMPONENT	NAME OF MANUFACTURER	MANUFACTURER SERIAL NO.	NATIONAL BOARD NO.	OTHER IDENTIFICATION	YEAR BUILT	REPAIRED, REPLACED OR REPLACEMENT	ASME CODE STAMPED (YES OR NO)
PIPE SUPPORT	PULLMAN POWER PRODUCTS	N/A	N/A	V1-1205-030-H006	1987	REPLACEMENT	YES

7. Description Of Work Pipe support V1-1205-030-H006 was cutout and rewelded using WPCS 030523.
8. Tests Conducted: Hydrostatic  Pneumatic  Nominal Operating Pressure   
N/A  Other  Pressure N/A PSI Test Temp. N/A °F

### CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp N/A

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

Signed [Signature] Date 11/4/2003  
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 October 7, 2003 to 11-4-03, 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 Owners Report in accordance with the requirements of the ASME Code, Section XI.

By signing this certificate, neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owners 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 GA203  
Inspector's Signature National Board, State, Province and Endorsements

Date 11-4-03



# ORIGINAL

## FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS

As Required By The Provisions Of The ASME Code Section XI

Traveler # 03086

1. Owner Southern Nuclear Operating Company Date January 8, 2004  
Name 40 Inverness Center Parkway, Birmingham, AL Sheet 1 of 1  
Address
2. Plant Vogtle Electric Generating Plant Unit 1  
Plant Waynesboro, GA 30830 MWO # 10200677  
Address Repair Organization P.O. No., Job No., etc.
3. Work Performed by Nuclear Operations Maintenance Plant Vogtle  
Name Address
4. Identification Of System 1305 / Condensate & Feedwater System
5. (a) Applicable Construction Code ASME Section III 1977 Edition, Winter 1977 Addenda, N/A Code Case  
(b) Applicable Edition of Section XI Utilized For Repairs Or Replacements 1989
6. Identification Of Components Repairs Or Replacement Components

NAME OF COMPONENT	NAME OF MANUFACTURER	MANUFACTURER SERIAL NO.	NATIONAL BOARD NO.	OTHER IDENTIFICATION	YEAR BUILT	REPAIRED, REPLACED OR REPLACEMENT	ASME CODE STAMPED (YES OR NO)
1305 PIPING	PULLMAN POWER PRODUCTS	N/A	N/A	1-1305-L4-087	1987	REPLACEMENT	NO

7. Description Of Work Perform weld build-up on pipe restraint forging to facilitate the weld joint fit-up with upstream pipe elbow.
8. Tests Conducted: Hydrostatic  Pneumatic  Nominal Operating Pressure   
N/A  Other  Pressure N/A PSI Test Temp. N/A °F

### CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp N/A

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

Signed [Signature] Date 01/21/2004  
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 October 7, 2003 to 1-22-04, 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 Owners Report in accordance with the requirements of the ASME Code, Section XI.

By signing this certificate, neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owners 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 GA 203  
Inspector's Signature National Board, State, Province and Endorsements

Date 1-22-04

# ORIGINAL

## FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS

As Required By The Provisions Of The ASME Code Section XI

Traveler # 03087

1. Owner Southern Nuclear Operating Company Date 11/03/03  
Name 40 Inverness Center Parkway, Birmingham, AL Sheet 1 Of 1
2. Plant Vogtle Electric Generating Plant Unit 1  
Address Waynesboro, GA 30830 MWO # 10300059  
Repair Organization P.O. No., Job No., etc.
3. Work Performed by Nuclear Operations Maintenance Plant Vogtle  
Name Address
4. Identification Of System 1205 / Residual Heat Removal System
5. (a) Applicable Construction Code ASME SEC III 1971 Edition, Summer 1972 Addenda, 1649 Code Case  
(b) Applicable Edition of Section XI Utilized For Repairs Or Replacements 1989
6. Identification Of Components Repairs Or Replacement Components

NAME OF COMPONENT	NAME OF MANUFACTURER	MANUFACTURER SERIAL NO.	NATIONAL BOARD NO.	OTHER IDENTIFICATION	YEAR BUILT	REPAIRED, REPLACED OR REPLACEMENT	ASME CODE STAMPED (YES OR NO)
PUMP	INGERSOLL-RAND CO.	087729	511	1-1205-P6-002	1979	REPLACEMENT	YES

7. Description Of Work Installed replacement mechanical seal / gland ring assembly on pump due to seal leakage identified by CR# 2002003429. The ANII was not notified prior to starting this replacement activity as documented by CR# 2003003194.
8. Test Conducted: Hydrostatic  Pneumatic  Nominal Operating Pressure   
Other  Pressure N/A PSI Test Temp. N/A °F

### CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp N/A

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

Signed [Signature] Team Leader Date 11/4/2003  
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 11-4-03 to 11-4-03, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owners Report in accordance with the requirements of the ASME Code, Section XI.

By signing this certificate, neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owners 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 GA203  
Inspector's Signature National Board, State, Province and Endorsements

Date 11-4-03

# ORIGINAL

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

Traveler # 03089

1. Owner Southern Nuclear Operating Company Date October 18, 2003  
Name 40 Inverness Center Parkway, Birmingham, AL Sheet 1 of 1  
Address Vogtle Electric Generating Plant Unit 1  
2. Plant Waynesboro, GA 30830 MWO # 10302685  
Address Repair Organization P.O. No., Job No., etc.

3. Work Performed by Nuclear Operations Maintenance Plant Vogtle  
Name Address

4. Identification Of System 1208 / Chemical & Volume Control System5. (a) Applicable Construction Code ASME Section III 1977 Edition, Winter 1977 Addenda, N-249-1 Code Case  
(b) Applicable Edition of Section XI Utilized For Repairs Or Replacements 1989

6. Identification Of Components Repairs Or Replacement Components

NAME OF COMPONENT	NAME OF MANUFACTURER	MANUFACTURER SERIAL NO.	NATIONAL BOARD NO.	OTHER IDENTIFICATION	YEAR BUILT	REPAIRED, REPLACED OR REPLACEMENT	ASME CODE STAMPED (YES OR NO)
PIPE SUPPORT	PULLMAN POWER PRODUCTS	N/A	N/A	V1-1208-002-H050	1987	REPLACEMENT	YES

7. Description Of Work Snubber AD-501, serial # 565 was replaced with AD-501, serial # 168 to support surveillance testing.8. Tests Conducted: Hydrostatic  Pneumatic  Nominal Operating Pressure   
N/A  Other  Pressure N/A PSI Test Temp. N/A °F

### CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this replacement conforms to the rules of the ASME Code, Section XI. repair or replacementType Code Symbol Stamp N/ACertificate of Authorization No. N/A Expiration Date N/ASigned [Signature] Date 10/20/2003  
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 October 8, 2003to 10-21-03, 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 Owners Report in accordance with the requirements of the ASME Code, Section XI.

By signing this certificate, neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owners 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 [Signature] Commissions GA203  
National Board, State, Province and EndorsementsDate 10-21-03-209  
10/18/03



# ORIGINAL

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

Traveler # 03091

1. Owner Southern Nuclear Operating Company Date October 18, 2003  
Name 40 Inverness Center Parkway, Birmingham, AL  
Address
2. Plant Vogtle Electric Generating Plant Unit 1  
Plant Waynesboro, GA 30830 MWO # 10301159  
Address Repair Organization P.O. No., Job No., etc.
3. Work Performed by Nuclear Operations Maintenance Plant Vogtle  
Name Address
4. Identification Of System 1208 / Chemical & Volume Control System
5. (a) Applicable Construction Code ASME Section III 1977 Edition, Winter 1977 Addenda, N-249-1 Code Case  
(b) Applicable Edition of Section XI Utilized For Repairs Or Replacements 1989
6. Identification Of Components Repairs Or Replacement Components

NAME OF COMPONENT	NAME OF MANUFACTURER	MANUFACTURER SERIAL NO.	NATIONAL BOARD NO.	OTHER IDENTIFICATION	YEAR BUILT	REPAIRED, REPLACED OR REPLACEMENT	ASME CODE STAMPED (YES OR NO)
PIPE SUPPORT	PULLMAN POWER PRODUCTS	N/A	N/A	V1-1208-002-H035	1987	REPLACEMENT	YES

7. Description Of Work Snubber AD-151, serial # 525 was replaced with AD-151, serial # 542 to support surveillance testing.8. Tests Conducted: Hydrostatic  Pneumatic  Nominal Operating Pressure   
N/A  Other  Pressure N/A PSI Test Temp. N/A °F

### CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this replacement conforms to the rules of the ASME Code, Section XI.Type Code Symbol Stamp N/ACertificate of Authorization No. N/A Expiration Date N/ASigned W. J. Giedat, Jr. President Date 10/29/2003  
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 October 8, 2003 to 10-21-03, 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 Owners Report in accordance with the requirements of the ASME Code, Section XI.

By signing this certificate, neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owners 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 M. B. Chapman Commissions GA 203  
National Board, State, Province and EndorsementsDate 10-21-03

# ORIGINAL

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

Traveler # 03092

1. Owner Southern Nuclear Operating Company Date October 15, 2003  
Name 40 Inverness Center Parkway, Birmingham, AL Sheet 1 of 1  
Address
2. Plant Vogtle Electric Generating Plant Unit 1  
Plant Waynesboro, GA 30830 MWO # 10302711  
Address Repair Organization P.O. No., Job No., etc.
3. Work Performed by Nuclear Operations Maintenance Plant Vogtle  
Name  Address
4. Identification Of System 1302 / Auxilliary Feedwater System
5. (a) Applicable Construction Code ASME Section III 1977 Edition, Winter 1977 Addenda, N-249-1 Code Case  
(b) Applicable Edition of Section XI Utilized For Repairs Or Replacements 1989
6. Identification Of Components Repairs Or Replacement Components

NAME OF COMPONENT	NAME OF MANUFACTURER	MANUFACTURER SERIAL NO.	NATIONAL BOARD NO.	OTHER IDENTIFICATION	YEAR BUILT	REPAIRED, REPLACED OR REPLACEMENT	ASME CODE STAMPED (YES OR NO)
PIPE SUPPORT	PULLMAN POWER PRODUCTS	N/A	N/A	V1-1302-108-H017	1987	REPLACEMENT	YES

7. Description Of Work Snubber AD-501, serial # 407 was replaced with AD-501, serial #160 to support surveillance testing.8. Tests Conducted: Hydrostatic  Pneumatic  Nominal Operating Pressure   
N/A  Other  Pressure N/A PSI Test Temp. N/A °F

### CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this replacement conforms to the rules of the ASME Code, Section XI.  
repair or replacementType Code Symbol Stamp N/ACertificate of Authorization No. N/A Expiration Date N/ASigned [Signature] Date 10/16/03  
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 October 9, 2003 to 10-21-03, 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 Owners Report in accordance with the requirements of the ASME Code, Section XI.

By signing this certificate, neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owners 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 [Signature] Commissions GA203  
National Board, State, Province and EndorsementsDate 10-21-03

# ORIGINAL

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

Traveler # 03093

1. Owner Southern Nuclear Operating Company Date October 15, 2003  
Name  
40 Inverness Center Parkway, Birmingham, AL Sheet 1 of 1  
Address

2. Plant Vogtle Electric Generating Plant Unit 1  
Plant  
Waynesboro, GA 30830 MWO # 10302710  
Address Repair Organization P.O. No., Job No., etc.

3. Work Performed by Nuclear Operations Maintenance Plant Vogtle  
Name Address

4. Identification Of System 1204 / Safety Injection System

5. (a) Applicable Construction Code ASME Section III 1977 Edition, Winter 1977 Addenda, N-249-1 Code Case  
(b) Applicable Edition of Section XI Utilized For Repairs Or Replacements 1989

### 6. Identification Of Components Repairs Or Replacement Components

NAME OF COMPONENT	NAME OF MANUFACTURER	MANUFACTURER SERIAL NO.	NATIONAL BOARD NO.	OTHER IDENTIFICATION	YEAR BUILT	REPAIRED, REPLACED OR REPLACEMENT	ASME CODE STAMPED (YES OR NO)
PIPE SUPPORT	PULLMAN POWER PRODUCTS	N/A	N/A	V1-1204-246-H001	1987	REPLACEMENT	YES

7. Description Of Work Snubber AD-43, serial # 404 was replaced with AD-43, serial #294 to support surveillance testing.

8. Tests Conducted: Hydrostatic  Pneumatic  Nominal Operating Pressure   
N/A  Other  Pressure N/A PSI Test Temp. N/A °F

### CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp N/ACertificate of Authorization No. N/A Expiration Date N/ASigned [Signature] Date 10/16/03  
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 October 9, 2003 to 10-21-03, 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 Owners Report in accordance with the requirements of the ASME Code, Section XI.

By signing this certificate, neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owners 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 [Signature] Commissions GA203  
National Board, State, Province and EndorsementsDate 10-21-03

# ORIGINAL

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

Traveler # 03094

1. Owner Southern Nuclear Operating Company Date October 15, 2003  
Name 40 Inverness Center Parkway, Birmingham, AL Sheet 1 of 1  
Address
2. Plant Vogtle Electric Generating Plant Unit 1  
Plant Waynesboro, GA 30830 MWO # 10302697  
Address Repair Organization P.O. No., Job No., etc.
3. Work Performed by Nuclear Operations Maintenance Plant Vogtle  
Name Address
4. Identification Of System 1301 / Main Steam System
5. (a) Applicable Construction Code ASME Section III 1977 Edition, Winter 1977 Addenda, N-249-1 Code Case  
(b) Applicable Edition of Section XI Utilized For Repairs Or Replacements 1989
6. Identification Of Components Repairs Or Replacement Components

NAME OF COMPONENT	NAME OF MANUFACTURER	MANUFACTURER SERIAL NO.	NATIONAL BOARD NO.	OTHER IDENTIFICATION	YEAR BUILT	REPAIRED, REPLACED OR REPLACEMENT	ASME CODE STAMPED (YES OR NO)
PIPE SUPPORT	PULLMAN POWER PRODUCTS	N/A	N/A	V1-1301-176-H003	1987	REPLACEMENT	YES

7. Description Of Work Snubber AD-503, serial # 691 was replaced with AD-503, serial #202 to support surveillance testing.8. Tests Conducted: Hydrostatic  Pneumatic  Nominal Operating Pressure   
N/A  Other  Pressure N/A PSI Test Temp. N/A °F

### CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this replacement conforms to the rules of the ASME Code, Section XI.  
repair or replacementType Code Symbol Stamp N/ACertificate of Authorization No. N/A Expiration Date N/ASigned [Signature] Date 10/16/2003  
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 October 9, 2003 to 10-21-03, 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 Owners Report in accordance with the requirements of the ASME Code, Section XI.

By signing this certificate, neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owners 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 [Signature] Commissions GA201  
National Board, State, Province and EndorsementsDate 10-21-03

# ORIGINAL

## FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS

As Required By The Provisions Of The ASME Code Section XI

Traveler # 03096

1. Owner Southern Nuclear Operating Company Date November 17, 2003  
Name  
40 Inverness Center Parkway, Birmingham, AL Sheet 1 of 1  
Address
2. Plant Vogtle Electric Generating Plant Unit 1  
Plant  
Waynesboro, GA 30830 MWO # 10300058  
Address Repair Organization P.O. No., Job No., etc.
3. Work Performed by Nuclear Operations Maintenance Plant Vogtle  
Name Address
4. Identification Of System 1205 / Residual Heat Removal System
5. (a) Applicable Construction Code ASME Section III 1977 Edition, Winter 1977 Addenda, N/A Code Case  
(b) Applicable Edition of Section XI Utilized For Repairs Or Replacements 1989
6. Identification Of Components Repairs Or Replacement Components

NAME OF COMPONENT	NAME OF MANUFACTURER	MANUFACTURER SERIAL NO.	NATIONAL BOARD NO.	OTHER IDENTIFICATION	YEAR BUILT	REPAIRED, REPLACED OR REPLACEMENT	ASME CODE STAMPED (YES OR NO)
Mechanical Seal Gland	INGERSOLL-DRESSER	K661570/9/02	N/A	1N514	1999	REPLACEMENT	YES

7. Description Of Work Replace Mechanical Seal Gland

8. Tests Conducted: Hydrostatic  Pneumatic  Nominal Operating Pressure   
N/A  Other  Pressure N/A PSI Test Temp. N/A °F

### CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp N/A

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

Signed W. B. Chapman, Team Leader Date 11/17/2003  
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 October 10, 2003 to 11-17-03, 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 Owners Report in accordance with the requirements of the ASME Code, Section XI.

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

W.B. Chapman Commissions GA203  
Inspector's Signature National Board, State, Province and Endorsements

Date 11-17-03

2-24-98  
11/17/03

# ORIGINAL

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

Traveler # 03097

1. Owner Southern Nuclear Operating Company Date October 15, 2003  
Name 40 Inverness Center Parkway, Birmingham, AL  
Address 40 Inverness Center Parkway, Birmingham, AL Sheet 1 of 1

2. Plant Vogtle Electric Generating Plant Unit 1  
Plant Waynesboro, GA 30830 MWO # 10302733  
Address Waynesboro, GA 30830 Repair Organization P.O. No., Job No., etc.

3. Work Performed by Nuclear Operations Maintenance Plant Vogtle  
Name Nuclear Operations Maintenance Address Waynesboro, GA 30830

4. Identification Of System 1301 / Main Steam System

5. (a) Applicable Construction Code ASME Section III 1977 Edition, Winter 1977 Addenda, N-249-1 Code Case  
(b) Applicable Edition of Section XI Utilized For Repairs Or Replacements 1989

### 6. Identification Of Components Repairs Or Replacement Components

NAME OF COMPONENT	NAME OF MANUFACTURER	MANUFACTURER SERIAL NO.	NATIONAL BOARD NO.	OTHER IDENTIFICATION	YEAR BUILT	REPAIRED, REPLACED OR REPLACEMENT	ASME CODE STAMPED (YES OR NO)
PIPE SUPPORT	PULLMAN POWER PRODUCTS	N/A	N/A	V1-1301-108-H004	1987	REPLACEMENT	YES

7. Description Of Work Snubber AD-151L, serial # 598 was replaced with AD-151L, serial #698 to support surveillance testing.

8. Tests Conducted: Hydrostatic  Pneumatic  Nominal Operating Pressure   
N/A  Other  Pressure N/A PSI Test Temp. N/A °F

### CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp N/A

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

Signed W. B. Gault, Team Leader Date 10/16/03  
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 October 11, 2003 to 10-21-03, 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 Owners Report in accordance with the requirements of the ASME Code, Section XI.

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

M. B. Chapman Commissions GA 203  
Inspector's Signature National Board, State, Province and Endorsements

Date 10-21-03

# ORIGINAL

## FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS

As Required By The Provisions Of The ASME Code Section XI

Traveler # 03102

1. Owner Southern Nuclear Operating Company Date October 23, 2003  
Name 40 Inverness Center Parkway, Birmingham, AL  
Address
2. Plant Vogtle Electric Generating Plant Unit 1  
Plant Waynesboro, GA 30830 MWO # 10302743  
Address Repair Organization P.O. No., Job No., etc.
3. Work Performed by Nuclear Operations Maintenance Plant Vogtle  
Name Address
4. Identification Of System 1302 / Auxilliary Feedwater System
5. (a) Applicable Construction Code ASME Section III 1977 Edition, Winter 1977 Addenda, N-249-1 Code Case  
(b) Applicable Edition of Section XI Utilized For Repairs Or Replacements 1989
6. Identification Of Components Repairs Or Replacement Components

NAME OF COMPONENT	NAME OF MANUFACTURER	MANUFACTURER SERIAL NO.	NATIONAL BOARD NO.	OTHER IDENTIFICATION	YEAR BUILT	REPAIRED, REPLACED OR REPLACEMENT	ASME CODE STAMPED (YES OR NO)
PIPE SUPPORT	PULLMAN POWER PRODUCTS	N/A	N/A	V1-1302-108-H019	1987	REPLACEMENT	YES

7. Description Of Work Snubber AD-501, serial # 163 was replaced with AD-501, serial # 369 to support surveillance testing.

8. Tests Conducted: Hydrostatic  Pneumatic  Nominal Operating Pressure   
N/A  Other  Pressure N/A PSI Test Temp. N/A °F

### CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp N/A

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

Signed [Signature] Date 10/24/2003  
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 October 12, 2003 to 10-27-03, 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 Owners Report in accordance with the requirements of the ASME Code, Section XI.

By signing this certificate, neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owners 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 GA203  
Inspector's Signature National Board, State, Province and Endorsements

Date 10-27-03

ORIGINAL

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

Traveler # 03103

1. Owner Southern Nuclear Operating Company Date 10/18/03  
Name 40 Inverness Center Parkway, Birmingham, Ala.  
2. Plant Vogtle Electric Generating Plant Sheet 1 Of 1  
Unit 1  
Waynesboro, GA 30830 MWO # 10302744  
Address Repair Organization P.O. No., Job No., etc.

3. Work Performed by Nuclear Operations Maintenance Plant Vogtle  
Name Address

4. Identification Of System 1208 / Charging System

5. (a) Applicable Construction Code ASME SEC III 1977 Edition, Winter'77 Addenda, N-249-1 Code Case  
(b) Applicable Edition of Section XI Utilized For Repairs Or Replacements 1989

6. Identification Of Components Repairs Or Replacement Components

NAME OF COMPONENT	NAME OF MANUFACTURER	MANUFACTURER SERIAL NO.	NATIONAL BOARD NO.	OTHER IDENTIFICATION	YEAR BUILT	REPAIRED, REPLACED OR REPLACEMENT	ASME CODE STAMPED (YES OR NO)
PIPE SUPPORT	Pullman Power Products	N/A	N/A	1-1208-011-H045	1987	REPLACEMENT	YES
N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

7. Description Of Work Snubber AD-1601 serial # 542 was replaced w/it snubber AD-1601 serial # 855 to support surveillance testing.

8. Test Conducted: Hydrostatic  Pneumatic  Nominal Operating Pressure   
N/A  Other  Pressure N/A PSI Test Temp. N/A °F

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp N/A

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

Signed W. J. Gould, Team Leader Date 10/20/2003  
Owner or Owner's Designee, Title WBC 10/20/03

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 Hartford, Connecticut have inspected the components described in this Owner's Report during the period 08/05/03 - 10/12/03 10/14/03 to 10-21-03, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owners Report in accordance with the requirements of the ASME Code, Section XI.

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

M.B. Chapman Commissions GA203  
Inspector's Signature National Board, State, Province and Endorsements

Date 10-21- 19 03

WJG  
10/18/03





ORIGINAL

FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS

As Required By The Provisions Of The ASME Code Section XI

Traveler # 03105

- 1. Owner Southern Nuclear Operating Company
2. Plant Vogtle Electric Generating Plant
3. Work Performed by Nuclear Operations Maintenance
4. Identification Of System 1201 / Reactor Coolant System
5. (a) Applicable Construction Code ASME Section III 1977 Edition, Winter 1977 Addenda, N/A Code Case
6. Identification Of Components Repairs Or Replacement Components

Table with 8 columns: NAME OF COMPONENT, NAME OF MANUFACTURER, MANUFACTURER SERIAL NO., NATIONAL BOARD NO., OTHER IDENTIFICATION, YEAR BUILT, REPAIRED, REPLACED OR REPLACEMENT, ASME CODE STAMPED (YES OR NO). Row 1: STUD, VITCO NUCLEAR PRODUCTS, N/A, N/A, ATY, 1991, REPLACEMENT, YES.

- 7. Description Of Work Replace Steam Generator Stud at location HL3.
8. Tests Conducted: Hydrostatic [ ] Pneumatic [ ] Nominal Operating Pressure [ ]
N/A [x] Other [ ] Pressure N/A PSI Test Temp. N/A °F

CERTIFICATE OF COMPLIANCE
We certify that the statements made in the report are correct and this replacement conforms to the rules of the ASME Code, Section XI.
Type Code Symbol Stamp N/A
Certificate of Authorization No. N/A Expiration Date N/A
Signed [Signature] Date 11/18/2003
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 October 14, 2003 to 11-19-03, 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 Owners Report in accordance with the requirements of the ASME Code, Section XI.
By signing this certificate, neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owners 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 [Signature] Commissions GA.203 National Board, State, Province and Endorsements
Date 11-19-03

CASE 11/18/03

# ORIGINAL

## FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS

As Required By The Provisions Of The ASME Code Section XI

Traveler # 03106

1. Owner Southern Nuclear Operating Company Date January 12, 2004  
Name  
40 Inverness Center Parkway, Birmingham, AL Sheet 1 of 1  
Address
2. Plant Vogtle Electric Generating Plant Unit 1  
Plant  
Waynesboro, GA 30830 MWO # 10200677  
Address Repair Organization P.O. No., Job No., etc.
3. Work Performed by Nuclear Operations Maintenance Plant Vogtle  
Name Address
4. Identification Of System 1305 / Condensate System
5. (a) Applicable Construction Code ASME Section III 1977 Edition, Winter 1977 Addenda, N/A Code Case  
(b) Applicable Edition of Section XI Utilized For Repairs Or Replacements 1989
6. Identification Of Components Repairs Or Replacement Components

NAME OF COMPONENT	NAME OF MANUFACTURER	MANUFACTURER SERIAL NO.	NATIONAL BOARD NO.	OTHER IDENTIFICATION	YEAR BUILT	REPAIRED, REPLACED OR REPLACEMENT	ASME CODE STAMPED (YES OR NO)
1305 PIPING SYSTEM	PULLMAN POWER PRODUCTS	N/A	N/A	1K5-1305-058-01	1987	REPLACEMENT	NO

7. Description Of Work Replace studs and nuts at 4" blind flange on piping line 1305-060.

8. Tests Conducted: Hydrostatic  Pneumatic  Nominal Operating Pressure   
N/A  Other  Pressure N/A PSI Test Temp. N/A °F

### CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp N/A

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

Signed [Signature] Date 1/21/2004  
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 October 14, 2003 to 1-22-04, 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 Owners Report in accordance with the requirements of the ASME Code, Section XI.

By signing this certificate, neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owners 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 GA203  
Inspector's Signature National Board, State, Province and Endorsements

Date 1-22-04

# ORIGINAL

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

Traveler # 03109

1. Owner Southern Nuclear Operating Company Date 10/31/03  
 Name 40 Inveness Center Parkway, Birmingham, AL Sheet 1 Of 3
2. Plant Vogtle Electric Generating Plant Unit 1  
 Address Waynesboro, GA 30830 MWO # 10302794 and 10302795  
 Repair Organization P.O. No., Job No., etc.
3. Work Performed by Nuclear Operations Maintenance Plant Vogtle  
 Name Address
4. Identification Of System 2420 / Instrument Air System
5. (a) Applicable Construction Code ASME SEC III 1974 Edition, Summer 1975 Addenda, N/A Code Case  
 (b) Applicable Edition of Section XI Utilized For Repairs Or Replacements 1989 Code Case N-416-1
6. Identification Of Components Repairs Or Replacement Components

NAME OF COMPONENT	NAME OF MANUFACTURER	MANUFACTURER SERIAL NO.	NATIONAL BOARD NO.	OTHER IDENTIFICATION	YEAR BUILT	REPAIRED, REPLACED OR REPLACEMENT	ASME CODE STAMPED (YES OR NO)
VALVE	FLOWERVE CORP.	E798A-1-3	N/A	1-2420-U4-049	1999	REPLACED	YES
VALVE	ROCKWELL INTERNATIONAL CORP.	86ABV	N/A	1-2420-U4-049	1989	REPLACEMENT	YES

7. Description Of Work Installed replacement valve in accordance with DCP 03-V1N0024. A copy of Form NPV-1 for the replacement valve is attached. A cover-to-body locking weld was completed on the replacement valve under Traveler# 03108 and MWO# 10302795.
8. Test Conducted: Hydrostatic  Pneumatic  Nominal Operating Pressure  Code Case N-416-1  
 N/A  Other  Pressure N/A PSI Test Temp. N/A °F

### CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp N/A

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

Signed W. J. Gussel Team Leader Date 11/03/2003  
 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 10/17/03 to 11-4-03, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owners Report in accordance with the requirements of the ASME Code, Section XI.

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

M. B. Chapman Commissions GA203  
 Inspector's Signature National Board, State, Province and Endorsements

Date 11-4-03

2003  
11/31/03



FORM NPV-1 (back)

MIR 8.9 350 0.6

B. Remarks Check Valve

Rockwell S.O. 36-60215

D. Design conditions 2270 psi 800 °F. (C. Valve pressure class 1521)

C. Cold working pressure 3650 psi (A. 100°F)

I. Hydrostatic test 5475 psi (A. Differential test pressure 3650 psi)

CERTIFICATION OF DESIGN

Design Specification verified by Surrendra K. Gupta P.E. State GA Reg. no. 13717  
Design Report certified by Ricky E. Spears P.E. State TX Reg. no. 57920

CERTIFICATE OF SHOP COMPLIANCE

We certify that the statements made in this report are correct and that this pump or valve conforms to the rules for construction of the ASME Code, Section I, Division 1.  
Certificate of Approval No. N-1562 Expires 11/25/91

Date 3/7/89 Rockwell International Corp. [Signature]

CERTIFICATE OF SHOP INSPECTION

I am a duly licensed and qualified inspector as listed by the National Board of Boiler and Pressure Vessel Inspectors in the State of North Carolina and employed by HSBI, Inc.  
I have inspected the pump or valve described in this report and find that it conforms to the ASME Code, Section I, Division 1.

I warrant that this certificate and the inspection were made by me or my employer in conformity with the requirements of the ASME Code, Section I, Division 1, and that the pump or valve described in this report conforms to the ASME Code, Section I, Division 1.  
Date 3-7-89 [Signature] Commission NC 1083

For primary court use only.

# ORIGINAL

## FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS

As Required By The Provisions Of The ASME Code Section XI

Traveler # 03110

1. Owner Southern Nuclear Operating Company Date 10/22/03  
 Name 40 Inverness Center Parkway, Birmingham, AL Sheet 1 Of 1
2. Plant Vogtle Electric Generating Plant Unit 1  
 Address Waynesboro, GA 30830 MWO # 10203672  
 Repair Organization P.O. No., Job No., etc.
3. Work Performed by Nuclear Operations Maintenance Plant Vogtle  
 Name Address
4. Identification Of System 1201 / Reactor Coolant System
5. (a) Applicable Construction Code ASME SEC III 1977 Edition, Winter 1977 Addenda, N/A Code Case  
 (b) Applicable Edition of Section XI Utilized For Repairs Or Replacements 1989
6. Identification Of Components Repairs Or Replacement Components

NAME OF COMPONENT	NAME OF MANUFACTURER	MANUFACTURER SERIAL NO.	NATIONAL BOARD NO.	OTHER IDENTIFICATION	YEAR BUILT	REPAIRED, REPLACED OR REPLACEMENT	ASME CODE STAMPED (YES OR NO)
PIPE SUPPORT	PULLMAN POWER PRODUCTS	N/A	N/A	V1-1201-030-H044	1987	REPLACEMENT	YES

7. Description Of Work A load pin was replaced prior to notifying the ANII of intended replacement activity as identified by CR# 2003003142.
8. Test Conducted: Hydrostatic  Pneumatic  Nominal Operating Pressure   
 N/A  Other  Pressure N/A PSI Test Temp. N/A °F

### CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp N/A

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

Signed [Signature] Team Leader Date 10/28/2003  
 Owner or Owner's Designee, Title

Part 10/22/03

### 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 Hartford, Connecticut have inspected the components described in this Owner's Report during the period 10/21/03 to 11-10-03, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owners Report in accordance with the requirements of the ASME Code, Section XI.

By signing this certificate, neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owners 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 GA203  
 Inspector's Signature National Board, State, Province and Endorsements

Date 11-10-03

# ORIGINAL

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

Traveler # 03129

1. Owner Southern Nuclear Operating Company Date March 25, 2004  
Name  
40 Inverness Center Parkway, Birmingham, AL Sheet 1 of 1  
Address

2. Plant Vogtle Electric Generating Plant Unit 1  
Plant  
Waynesboro, GA 30830 MWO # 10303008  
Address Repair Organization P.O. No., Job No., etc.

3. Work Performed by Nuclear Operations Maintenance Plant Vogtle  
Name Address

4. Identification Of System 1302 / Auxillary Feedwater

5. (a) Applicable Construction Code ASME Section III 1977 Edition, Winter 1977 Addenda, N/A Code Case  
(b) Applicable Edition of Section XI Utilized For Repairs Or Replacements 1989

6. Identification Of Components Repairs Or Replacement Components

NAME OF COMPONENT	NAME OF MANUFACTURER	MANUFACTURER SERIAL NO.	NATIONAL BOARD NO.	OTHER IDENTIFICATION	YEAR BUILT	REPAIRED, REPLACED OR REPLACEMENT	ASME CODE STAMPED (YES OR NO)
<u>Valve</u>	<u>Fisher</u>	<u>7854058</u>	<u>N/A</u>	<u>1-HV5132</u>	<u>1977</u>	<u>REPLACEMENT</u>	<u>NO</u>

7. Description Of Work Replace valve primary plug.

8. Tests Conducted: Hydrostatic  Pneumatic  Nominal Operating Pressure   
N/A  Other  Pressure N/A PSI Test Temp. N/A °F

### CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp N/A

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

Signed [Signature] Date 3/26/2004  
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 November 10, 2003 to 4-5-04; 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 Owners Report in accordance with the requirements of the ASME Code, Section XI.

By signing this certificate, neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owners 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 GA703  
Inspector's Signature National Board, State, Province and Endorsements

Date 4-5-04



# ORIGINAL

## FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS

As Required By The Provisions Of The ASME Code Section XI

Traveler # 04122

1. Owner Southern Nuclear Operating Company Date 03/25/05  
Name 40 Inverness Center Parkway, Birmingham, AL  
Address
2. Plant Vogtle Electric Generating Plant Unit 1  
Name Waynesboro, GA 30830  
Address WO# 10303329  
Repair 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 System
5. (a) Applicable Construction Code ASME SEC III 19 77 Edition, Winter 1977 Addenda, N/A Code Case  
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1989
6. Identification Of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
PIPE SUPPORT	PULLMAN POWER RODUCTS	N/A	N/A	V1-1208-039-H601	1987	REPLACEMENT	YES

7. Description of Work Snubber AD-73, serial #186 was replaced with a Liseqa Type 30 snubber serial #03615870/105 and snubber PSA-X, serial #36386 was replaced with a Liseqa Type 30 snubber serial #03615870/093 in accordance with DCP 99-VAN0033.
8. Test Conducted: Hydrostatic  Pneumatic  Nominal Operating Pressure   
N/A  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

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

Type Code Symbol Stamp N/A

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

Signed [Signature] Team Leader Date 3/28/05  
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 07/22/04 to 4-1-05, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owners Report in accordance with the requirements of the ASME Code, Section XI.

By signing this certificate, neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owners 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 GA 203  
Inspector's Signature National Board, State, Province and Endorsements

Date 4-1-05

2504  
3/25/05

# ORIGINAL

## FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS

As Required By The Provisions Of The ASME Code Section XI

Traveler # 04124

1. Owner Southern Nuclear Operating Company Date 04/06/05  
 Name 40 Inverness Center Parkway, Birmingham, AL  
 Address
2. Plant Vogtle Electric Generating Plant Sheet 1 of 1  
 Name Waynesboro, GA 30830 Unit 1  
 Address WO# 10303318  
 Repair 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 System
5. (a) Applicable Construction Code ASME SEC III 19 77 Edition, Winter 1977 Addenda, N-249-1 Code Case  
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1989
6. Identification Of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
PIPE SUPPORT	PULLMAN POWER RODUCTS	N/A	N/A	V1-1208-011-H045	1987	REPLACEMENT	YES

7. Description of Work Snubber AD-41, serial #855 was replaced with a Liseaga Type 30 snubber serial #03615870/096 in accordance with DCP 99-VAN0033.

8. Test Conducted: Hydrostatic  Pneumatic  Nominal Operating Pressure   
 N/A  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

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

Type Code Symbol Stamp N/A

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

Signed [Signature] Team Leader Date 4/6/2005  
 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 07/22/04 to 4-7-05, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owners Report in accordance with the requirements of the ASME Code, Section XI.

By signing this certificate, neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owners 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 GA203  
 Inspector's Signature National Board, State, Province and Endorsements

Date 4-7-05

2005  
04/06/05

# ORIGINAL

## FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS

As Required By The Provisions Of The ASME Code Section XI

Traveler # 04125

1. Owner Southern Nuclear Operating Company Date 03/25/05  
 Name 40 Inverness Center Parkway, Birmingham, AL  
 Address
2. Plant Vogtle Electric Generating Plant Sheet 1 of 1  
 Name Waynesboro, GA 30830 Unit 1  
 Address WO# 10303317  
 Repair 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 Plant Vogtle Expiration Date N/A
4. Identification of System 1208 / Chemical and Volume Control System
5. (a) Applicable Construction Code ASME SEC III 19 77 Edition, Winter 1977 Addenda, N/A Code Case  
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1989
6. Identification Of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
PIPE SUPPORT	PULLMAN POWER RODUCTS	N/A	N/A	V1-1208-008-H025	1987	REPLACEMENT	YES

7. Description of Work Snubber PSA-1/2, serial #19831 was replaced with a Lisega Type 30 snubber serial #03615870/101 in accordance with DCP 99-VAN0033.
8. Test Conducted: Hydrostatic  Pneumatic  Nominal Operating Pressure   
 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

We certify that the statements made in the report are correct and this replacement conforms to the rules of the ASME Code, Section XI.  
 Type Code Symbol Stamp N/A  
 Certificate of Authorization No. N/A Expiration Date N/A  
 Signed [Signature] Team Leader Date 3/29/05  
 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 07/22/04 to 4-1-05, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owners Report in accordance with the requirements of the ASME Code, Section XI.

By signing this certificate, neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owners 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 GA203  
 Inspector's Signature National Board, State, Province and Endorsements

Date 4-1-05

2/25/05

# ORIGINAL

## FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS

As Required By The Provisions Of The ASME Code Section XI

Traveler # 04129

1. Owner Southern Nuclear Operating Company Date March 22, 2005  
 Name 40 Inverness Center Parkway, Birmingham, AL  
 Address
2. Plant Vogtle Electric Generating Plant Sheet 1 of 1  
 Name Waynesboro, GA 30830 Unit 1  
 Address 10303328  
 Repair 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 19 77 Edition, Winter 1977 Addenda, N-249-1 Code Case  
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1989
6. Identification Of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
PIPE SUPPORT	PULLMAN POWER	N/A	N/A	V1-1208-040-H603	1987	REPLACEMENT	YES

7. Description of Work Snubber AD-43, serial #834 was replaced with snubber Liseqa 3018, serial #03615870/095 in accordance with DCP-99VAN0033.

8. Test Conducted: Hydrostatic  Pneumatic  Nominal Operating Pressure   
 N/A  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

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

Type Code Symbol Stamp N/A

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

Signed W.S. Capella Team Leader Date 3/30/2005  
 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 July 22, 2004 to 3-31-05, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owners Report in accordance with the requirements of the ASME Code, Section XI.

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

M.B. Chapman Commissions GA203  
 Inspector's Signature National Board, State, Province and Endorsements

Date 3-31-05

204  
3/29/05



# ORIGINAL

## FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS

As Required By The Provisions Of The ASME Code Section XI

Traveler # 04131

1. Owner Southern Nuclear Operating Company Date March 22, 2005  
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 10303327  
Repair 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 1301 / Main Steam System
5. (a) Applicable Construction Code ASME SEC III 19 74 Edition, Winter 1975 Addenda, N-249-1 Code Case  
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1989
6. Identification Of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
PIPE SUPPORT	PULLMAN POWER	N/A	N/A	V1-1301-015-H007	1987	REPLACEMENT	YES

7. Description of Work Snubber PSA-3, serial #20214 was replaced with snubber Lisega 3052, serial #03615805/29 in accordance with DCP-99VAN0033.

8. Test Conducted: Hydrostatic  Pneumatic  Nominal Operating Pressure   
N/A  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

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

Type Code Symbol Stamp N/A

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

Signed [Signature] Team Leader Date 3/30/2005  
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 July 21, 2004 to 4-1-05, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owners Report in accordance with the requirements of the ASME Code, Section XI.

By signing this certificate, neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owners 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 GA203  
Inspector's Signature National Board, State, Province and Endorsements

Date 4-1-05

# ORIGINAL

## FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS

As Required By The Provisions Of The ASME Code Section XI

Traveler # 04133

1. Owner Southern Nuclear Operating Company Date 03/26/05  
 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  WO# 10303326  
 Repair 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 1301 / Main Steam System
5. (a) Applicable Construction Code ASME SEC III 19 77 Edition, Winter 1977 Addenda, N-249-1 Code Case  
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1989
6. Identification Of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
PIPE SUPPORT	PULLMAN POWER RODUCTS	N/A	N/A	V1-1301-105-H005	1987	REPLACEMENT	YES

7. Description of Work Snubber AD-5501, serial #229 was replaced with a Liseqa Type 30 snubber serial #04616450/053 in accordance with DCP 99-VAN0033.
8. Test Conducted: Hydrostatic  Pneumatic  Nominal Operating Pressure   
 N/A  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

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

Type Code Symbol Stamp N/A

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

Signed W. B. Chapman Team Leader Date 3/29/05  
 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 07/22/04 to 3-31-05, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owners Report in accordance with the requirements of the ASME Code, Section XI.

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

W. B. Chapman Commissions GA203  
 Inspector's Signature National Board, State, Province and Endorsements

Date 3-31-05

204  
03/29/05

ORIGINAL

FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS

As Required By The Provisions Of The ASME Code Section XI

Traveler # 04139

- 1. Owner Southern Nuclear Operating Company
2. Plant Vogtle Electric Generating Plant
3. Work Performed by Maintenance Department
4. Identification of System 1201 / Reactor Coolant System
5. (a) Applicable Construction Code ASME SEC III 19 77 Edition
6. Identification Of Components Repaired or Replaced and Replacement Components

Table with 8 columns: Name of Component, Name of Manufacturer, Manufacturer Serial No., National Board No., Other Identification, Year Built, Repaired, Replaced, or Replacement, ASME Code Stamped (Yes or No). Row 1: PIPE SUPPORT, PULLMAN POWER, N/A, N/A, 1-1201-029-H024, 1987, REPLACEMENT, YES.

- 7. Description of Work Snubber PSA-3, serial #28351 was replaced with snubber PSA-3, serial #26765 to support surveillance testing.
8. Test Conducted: N/A [X] Hydrostatic [ ] Pneumatic [ ] Nominal Operating Pressure [ ]
9. Remarks See Item 7

Applicable Manufacturer's Data Reports to be attached

CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this replacement conforms to the rules of the ASME Code, Section XI.
Type Code Symbol Stamp N/A
Certificate of Authorization No. N/A Expiration Date N/A
Signed [Signature] Team Leader Date 7/7/05

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 July 28, 2004 to 4-8-05, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owners Report in accordance with the requirements of the ASME Code, Section XI.
By signing this certificate, neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owners Report.
Inspector's Signature [Signature] Commissions GA 203
Date 4-8-05

Handwritten note: 1/6/05



# ORIGINAL

## FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS

As Required By The Provisions Of The ASME Code Section XI

Traveler # 04140

1. Owner Southern Nuclear Operating Company Date 03/29/05  
Name 40 Inverness Center Parkway, Birmingham, AL  
Address
2. Plant Vogtle Electric Generating Plant Sheet 1 of 1  
Name Waynesboro, GA 30830 Unit 1  
Address WO# 10402519  
Repair 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 Waynesboro, GA 30830 Expiration Date N/A
4. Identification of System 1201 / Reactor Coolant System
5. (a) Applicable Construction Code ASME SEC III 19 77 Edition, Winter 1977 Addenda, N/A Code Case  
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1989
6. Identification Of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
PIPE SUPPORT	PULLMAN POWER RODUCTS	N/A	N/A	V1-1201-042-H003	1987	REPLACEMENT	YES

7. Description of Work Snubber PSA-1, serial #24103 was replaced with a PSA-1 serial #23206 to support surveillance testing.

8. Test Conducted: Hydrostatic  Pneumatic  Nominal Operating Pressure   
N/A  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

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

Type Code Symbol Stamp N/A

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

Signed [Signature] Team Leader Date 3/29/2005  
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 07/28/04 to 3-31-05, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owners Report in accordance with the requirements of the ASME Code, Section XI.

By signing this certificate, neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owners 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

Commissions GA203  
National Board, State, Province and Endorsements

Date 3-31-05

ORIGINAL

FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS

As Required By The Provisions Of The ASME Code Section XI

Traveler # 04141

- 1. Owner Southern Nuclear Operating Company
Date April 5, 2005
Sheet 1 of 1
2. Plant Vogtle Electric Generating Plant
Unit 1
Address 10402526
Repair Organization P.O. No., Job No., etc.
3. Work Performed by Maintenance Department
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 19 77 Edition, Winter 1977 Addenda, N-249-1 Code Case
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1989
6. Identification Of Components Repaired or Replaced and Replacement Components

Table with 8 columns: Name of Component, Name of Manufacturer, Manufacturer Serial No., National Board No., Other Identification, Year Built, Repaired, Replaced, or Replacement, ASME Code Stamped (Yes or No). Row 1: PIPE SUPPORT, PULLMAN POWER, N/A, N/A, V1-1201-051-H008, 1987, REPLACEMENT, YES.

- 7. Description of Work Snubber AD-151, serial #175 was replaced with AD-151, serial #406 to support surveillance testing.
8. Test Conducted: N/A [X] Hydrostatic [ ] Pneumatic [ ] Nominal Operating Pressure [ ]
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
We certify that the statements made in the report are correct and this REPLACEMENT conforms to the rules of the ASME Code, Section XI.
Type Code Symbol Stamp N/A
Certificate of Authorization No. N/A Expiration Date N/A
Signed [Signature] Team Leader Date 4/6/2005
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 July 27, 2004 to 4-7-05, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owners Report in accordance with the requirements of the ASME Code, Section XI.
By signing this certificate, neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owners 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 M.B. Chapman Commissions GA203
National Board, State, Province and Endorsements
Date 4-7-05

# ORIGINAL

## FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS

As Required By The Provisions Of The ASME Code Section XI

Traveler # 04146

1. Owner Southern Nuclear Operating Company Date April 4, 2005  
Name 40 Inverness Center Parkway, Birmingham, AL  
Address
2. Plant Vogtle Electric Generating Plant Sheet 1 of 1  
Name Waynesboro, GA 30830 Unit 1  
Address 10402520  
Repair 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 1204 / Safety Injection System
5. (a) Applicable Construction Code ASME SEC III 19 77 Edition, Winter 1977 Addenda, N/A Code Case  
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1989
6. Identification Of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
PIPE SUPPORT	PULLMAN POWER	N/A	N/A	V1-1204-124-H014	1987	REPLACEMENT	YES

7. Description of Work Snubber PSA -35, serial #11503 was replaced with PSA-35, serial #12264 to support surveillance testing.

8. Test Conducted: Hydrostatic  Pneumatic  Nominal Operating Pressure   
N/A  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

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

Type Code Symbol Stamp N/A

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

Signed [Signature] Team Leader Date 9/4/2005  
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 July 25, 2004 to 4-7-05, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owners Report in accordance with the requirements of the ASME Code, Section XI.

By signing this certificate, neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owners 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 GA703  
Inspector's Signature National Board, State, Province and Endorsements

Date 4-7-05

ORIGINAL

FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS

As Required By The Provisions Of The ASME Code Section XI

Traveler # 04151

- 1. Owner Southern Nuclear Operating Company
Date March 22, 2005
Sheet 1 of 1
2. Plant Vogtle Electric Generating Plant
Unit 1
3. Work Performed by Maintenance Department
Type Code Symbol Stamp N/A
4. Identification of System 1206 / Containment Spray System
5. (a) Applicable Construction Code ASME SEC III 19 74 Edition, Winter 1975 Addenda, N/A Code Case
6. Identification Of Components Repaired or Replaced and Replacement Components

Table with 8 columns: Name of Component, Name of Manufacturer, Manufacturer Serial No., National Board No., Other Identification, Year Built, Repaired, Replaced, or Replacement, ASME Code Stamped (Yes or No). Row 1: PIPE SUPPORT, PULLMAN POWER, 27598, N/A, 1-1206-005-H010, 1987, REPLACEMENT, YES.

7. Description of Work Snubber PSA-3, serial #24698 was replaced with snubber PSA-3, serial #27598 to support surveillance testing.

8. Test Conducted: N/A [X] Hydrostatic [ ] Pneumatic [ ] Nominal Operating Pressure [ ] 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

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

Type Code Symbol Stamp N/A

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

Signed [Signature] Team Leader Date 3/30/2005

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 July 27, 2004 to 7-1-05, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owners Report in accordance with the requirements of the ASME Code, Section XI.

By signing this certificate, neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owners 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] M.B. Chapman Commissions CA203
Inspector's Signature National Board, State, Province and Endorsements

Date 4-1-05



# ORIGINAL

## FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS

As Required By The Provisions Of The ASME Code Section XI

Traveler # 04154

1. Owner Southern Nuclear Operating Company Date April 4, 2005  
Name 40 Inverness Center Parkway, Birmingham, AL Sheet 1 of 1  
Address
2. Plant Vogtle Electric Generating Plant Unit 1  
Name Waynesboro, GA 30830 10402529  
Address Repair 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 1301 / Main Steam System
5. (a) Applicable Construction Code ASME SEC III 19 77 Edition, Winter 1977 Addenda, N-249-1 Code Case  
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1989
6. Identification Of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
PIPE SUPPORT	PULLMAN POWER	N/A	N/A	V1-1301-106-H003	1987	REPLACEMENT	YES

7. Description of Work Snubber AD-12501, serial #30 was replaced with AD-12501, serial #52 to support surveillance testing.
8. Test Conducted: Hydrostatic  Pneumatic  Nominal Operating Pressure   
N/A  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

We certify that the statements made in the report are correct and this REPLACEMENT conforms to the rules of the ASME Code, Section XI.  
Type Code Symbol Stamp N/A  
Certificate of Authorization No. N/A Expiration Date N/A  
Signed W. J. Guelant Team Leader Date 4/4/2005  
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 July 27, 2004 to 4-8-05, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owners Report in accordance with the requirements of the ASME Code, Section XI.

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

M. B. Chapman Commissions GA203  
Inspector's Signature National Board, State, Province and Endorsements  
Date 4-8-05



# ORIGINAL

## FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS

As Required By The Provisions Of The ASME Code Section XI

Traveler # 04160

1. Owner Southern Nuclear Operating Company Date March 22, 2005  
 Name 40 Inverness Center Parkway, Birmingham, AL Sheet 1 of 1  
 Address \_\_\_\_\_
2. Plant Vogtle Electric Generating Plant Unit 1  
 Name Waynesboro, GA 30830 \_\_\_\_\_  
 Address \_\_\_\_\_ 10402543  
 Repair 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 1301 / Main Steam System
5. (a) Applicable Construction Code ASME SEC III 19 77 Edition, Winter 1977 Addenda, N-249-1 Code Case  
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1989
6. Identification Of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
PIPE SUPPORT	PULLMAN POWER	N/A	N/A	V1-1301-230-H005	1987	REPLACEMENT	YES

7. Description of Work Snubber AD-501, serial #135 was replaced with a rigid strut in accordance with DCP 04-V1N0003
8. Test Conducted: Hydrostatic  Pneumatic  Nominal Operating Pressure   
 N/A  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

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

Type Code Symbol Stamp \_\_\_\_\_ N/A

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

Signed W.L. Gabel Team Leader Date 3/30/2005  
 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 August 3, 2004 to 4-1-05, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owners Report in accordance with the requirements of the ASME Code, Section XI.

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

M.B. Chapman Commissions GA203  
 Inspector's Signature National Board, State, Province and Endorsements

Date 4-1-05

copy  
3/29/05



# ORIGINAL

## FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS

As Required By The Provisions Of The ASME Code Section XI

Traveler # 05058

1. Owner Southern Nuclear Operating Company Date 04/05/05  
 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  WO# 10400496  
 Repair 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 19 71 Edition, Winter 1972 Addenda, N/A Code Case  
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1989
6. Identification Of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
PUMP	WESTINGHOUSE ELECTRIC CORP.	1-9744D35G01	23	1-1201-P6-001	1986	REPLACEMENT	YES

7. Description of Work This NIS-2 documents a prior replacement activity per CR# 2004002230. The number 2 seal housing S/N 1778 is currently installed on this pump. The number 2 seal housing S/N 1778 was originally supplied and certified with this pump. However, the number 2 seal housings are utilized as rotating spares (part of seal cartridge assembly) and may be installed on any of the Unit 1 or 2 reactor coolant pumps. Current serial number information was obtained under ATVF# 04041.

8. Test Conducted: Hydrostatic  Pneumatic  Nominal Operating Pressure   
 N/A  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

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

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

Signed [Signature] Team Leader Date 4/6/2005  
 Owner or Owner's Designee, Title

POK 04/05/05

### 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 06/04/04 to 4-7-05, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owners Report in accordance with the requirements of the ASME Code, Section XI.

By signing this certificate, neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owners 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 GA203  
 Inspector's Signature National Board, State, Province and Endorsements

Date 4-7-05

# ORIGINAL

## FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS

As Required By The Provisions Of The ASME Code Section XI

Traveler # 05059

1. Owner Southern Nuclear Operating Company Date 04/05/05  
Name 40 Inverness Center Parkway, Birmingham, AL  
Address
2. Plant Vogtle Electric Generating Plant Sheet 1 of .1  
Name Waynesboro, GA 30830 Unit 1  
Address WO# 10400679  
Repair 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 19 71 Edition, Winter 1972 Addenda, N/A Code Case  
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1989
6. Identification Of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
PUMP	WESTINGHOUSE ELECTRIC CORP.	2-9744D35G01	24	1-1201-P6-002	1986	REPLACEMENT	YES

7. Description of Work This NIS-2 documents a prior replacement activity per CR# 2004002230. The number 2 seal housing S/N 1815 is currently installed on this pump. The number 2 seal housing S/N 1815 was purchased as a spare under PAV-27380. The number 2 seal housings are utilized as rotating spares (part of seal cartridge assembly) and may be installed on any of the Unit 1 or 2 reactor coolant pumps. Current serial number information was obtained under ATVF# 04042.

8. Test Conducted: Hydrostatic  Pneumatic  Nominal Operating Pressure   
N/A  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

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

Type Code Symbol Stamp N/A

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

Signed W.S. Guehl Team Leader Date 4/6/2005  
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 06/04/04 to 4-7-05, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owners Report in accordance with the requirements of the ASME Code, Section XI.

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

M.B. Chapman Commissions GA 203  
Inspector's Signature National Board, State, Province and Endorsements

Date 4-7-05

# ORIGINAL

## FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS

As Required By The Provisions Of The ASME Code Section XI

Traveler # 05060

1. Owner Southern Nuclear Operating Company Date 04/06/05  
Name 40 Inverness Center Parkway, Birmingham, AL  
Address
2. Plant Vogtle Electric Generating Plant Unit 1  
Name Waynesboro, GA 30830  
Address WO# 10400497  
Repair 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 19 71 Edition, Winter 1972 Addenda, N/A Code Case  
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1989
6. Identification Of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
PUMP	WESTINGHOUSE ELECTRIC CORP.	3-9744D35G01	25	1-1201-P6-003	1986	REPLACEMENT	YES

7. Description of Work This NIS-2 documents a prior replacement activity per CR# 2004002230. The number 2 seal housing S/N 2186 is currently installed on this pump. The number 2 seal housing S/N 2186 was originally supplied and certified with the Unit 2 reactor coolant pump #3 S/N 7-9744D35G01. However, the number 2 seal housings are utilized as rotating spares (part of seal cartridge assembly) and may be installed on any of the Unit 1 or 2 reactor coolant pumps. Current serial number information was obtained under ATVF# 04043.
8. Test Conducted: Hydrostatic  Pneumatic  Nominal Operating Pressure   
N/A  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

We certify that the statements made in the report are correct and this replacement conforms to the rules of the ASME Code, Section XI.  
Type Code Symbol Stamp N/A  
Certificate of Authorization No. N/A Expiration Date N/A  
Signed [Signature] Team Leader Date 4/6/2005  
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 06/04/04 to 4-7-05, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owners Report in accordance with the requirements of the ASME Code, Section XI.

By signing this certificate, neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owners 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] M.B. Chapman Commissions GA203  
Inspector's Signature National Board, State, Province and Endorsements  
Date 4-7-05



**Vogtle Electric Generating Plant  
Unit 1**

**Twelfth Maintenance/Refueling Outage (1R12)  
Owner's Report for Inservice Inspection**

**Southern Nuclear Operating Company  
the southern electric system**

**VOGTLE ELECTRIC GENERATING PLANT**  
**UNIT 1**  
**TWELFTH MAINTENANCE/REFUELING OUTAGE**  
**(1R12)**  
**OWNER'S REPORT FOR INSERVICE INSPECTIONS**

**OWNER'S REPORT FOR INSERVICE  
INSPECTIONS**

for the

**TWELFTH MAINTENANCE/REFUELING OUTAGE**

of

**VOGTLE ELECTRIC GENERATING PLANT, UNIT 1**  
(7821 River Road, Waynesboro, Georgia 30830)

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

**DOCUMENT COMPLETION DATE: July 2005**

Prepared by

**SOUTHERN NUCLEAR OPERATING COMPANY**  
(40 Inverness Center Parkway, P. O. Box 1295, Birmingham, Alabama 35201)

as

**LICENSEE AND OPERATING AGENT**

for

**GEORGIA POWER COMPANY**  
(241 Ralph McGill Boulevard, N.E., P. O. Box 4545, Atlanta, Georgia 30308-3374)

as

**OWNER**

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## 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

## INTRODUCTION

This report documents the examinations and tests performed at Vogtle Electric Generating Plant, Unit 1 (VEGP-1) between October 21, 2003 (date of last examination performed during the eleventh maintenance/refueling outage, 1R11) and April 9, 2005 (date of last examination performed during the twelfth maintenance/refueling outage, 1R12) to meet the requirements of Article IWA-6000 of the American Society of Mechanical Engineers (ASME) Boiler and Pressure Vessel Code, Section XI, 1989 Edition (Code). In addition, a summary of the following augmented examinations are included in this report:

- VEGP Technical Specification 5.5.9 - Steam Generator Tube Inspections

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 twelfth maintenance/refueling outage in April 2005. The Owner's Reports for Repairs and Replacements (Form NIS-2) are included herein.

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

1. Owner: Georgia Power Company, 241 Ralph McGill Blvd., N. E.  
P. O. Box 4545, Atlanta, Georgia 30308-3374
2. Plant: Vogtle Electric Generating Plant, 7821 River Road  
P. O. Box 1600, 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	7372	N/A	22004
Steam Generators 1 through 4.	Westinghouse Elec., Pensacola, FL	GAGT 1881, GAGT 1882, GAGT 1883, GAGT 1884	N/A	NA
Reactor Coolant Pump 2	Westinghouse Elec., Cheswick, PA	F1089	N/A	NA
Pressurizer	Westinghouse Elec., Pensacola, FL	62189	N/A	NA
Safety Injection Pump Train "B"	Westinghouse Elec., Pittsburgh, PA	52232	N/A	NA
Boron Injection Tank	Southwest Fabricating and Welding Co., Houston TX	0070	N/A	434
Residual Heat Removal Heat Exchanger, Train "B"	Joseph Oat Corp., Camden, NJ	2322-2B	N/A	1049
Selected Piping, Components, and Supports	Pullman Power Products, Williamsport, PA	System Numbers 1201, 1204, 1205, 1208, 1301, 1302 & 1305.	N/A	N/A

FORM NIS-1 (Back)

8. Examination Dates: October 21, 2003 to April 9, 2005
9. Inspection Period Identification: Third Period
10. Inspection Interval Identification: Second Inspection Interval
11. Applicable Edition of Section XI 1989 Addenda None
12. Date/Revision of Inspection Plan: January 12, 2005 / Revision 7.
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 24 2005 Signed: Southern Nuclear Operating Company, Inc. for Georgia Power Company Owner

By: J. O. W. N.

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 21, 2003 to April 9, 2005, 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.

M. B. Chapman  
Inspector's Signature

Commission: GA203  
National Board, State, Province, and Endorsements

Date: 6-30 2005

## ABSTRACT – ASME CLASS 1 AND 2

### Introduction/Status

The ASME Boiler and Pressure Vessel Code, Section XI, 1989 Edition (Code), is the applicable code for conducting inservice inspection activities during the second 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 second inspection period examinations and tests which were performed between October 21, 2003 (date of last examination performed during the eleventh maintenance/refueling outage, 1R11) and April 9, 2005 (date of last examination performed during the twelfth maintenance/refueling outage, 1R12).

Risk Informed Program was approved by the NRC by letter dated September 30, 2003 and implemented during the VEGP 1R11 refueling outage (ASME Class 1 and Class 2 piping only).

By *Federal Register* Notice 64 FR 51370 dated September 22, 1999, 10CFR 50.55a(g)(6)(ii)(C), Implementation of Appendix VIII to Section XI, was incorporated into the rule to expedite implementation of Appendix VIII. The specific Supplements of Appendix VIII to Section XI, ASME Boiler and Pressure Vessel Code, 1995 Edition with the 1996 Addenda were implemented prior to the 1R12 maintenance/refueling outage as required.

In addition to the summary of inservice inspection activities, this report addresses Code-applicable repairs and replacements documented at VEGP-1 since 1R11 through the end of 1R12. Class 1 and Class 2 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 by Southern Nuclear Operating Company (SNC) personnel utilizing ultrasonic testing (UT), magnetic particle testing (MT), dye penetrant testing (PT), and visual testing (VT) methods, as applicable. Specific components and examination areas are itemized in the applicable portions of this document. A summary of those components examined are listed below:

- Reactor Pressure Vessel (RPV) Closure Head and Interior Surfaces,
  - Pressurizer, Dissimilar Welds and Head and Shell Welds,
  - Steam Generator Primary Nozzle Inner Radii, Channel Head Weld, and Manway Bolting,
  - Reactor Coolant Pump, Flange bolts, Manway Bolting, Sealwater Cap Screws and Housing Bolts, and Flywheel (TS 5.5.7) and
  - Piping welds.
- During the scope of VEGP-1 examinations conducted, no Class 1 components were observed to have either reportable UT, MT, or PT indications.

Four examinations had limited coverage due to the geometric configuration of the welded areas. More than ninety percent (90%) of the required volume must be examined as addressed in ASME Section XI Code Case N-460 for adequate ASME Section XI Code-required examination coverage to be attained. As noted herein, the subject code case has been approved by the NRC for use as documented in NRC Regulatory Guide 1.147. It is impractical to achieve the ASME Section XI Code-required coverage due to the geometric configuration of the welded areas. Three of the four limited examinations were submitted to the NRC through the relief request process prior to the 1R12 outage as allowed by 10 CFR 50.55a. The applicable relief request (RR-7 or RR-10) is indicated in the

remarks of the combined Class 1 and Class 2 Weld Examination table. In the case of the other limited examination, a relief request will need to be submitted to the NRC after the last outage of the ISI period. The applicable weld is indicated by "RR-Required" in the remarks of the combined Class 1 and Class 2 Weld Examination table.

The Eddy Current (ET) examinations of steam generator tubing, as required by VEGP Technical Specification 5.5.9, were performed by Westinghouse and are discussed in the "Augmented Inspections" portion of this document.

### Class 1 Pressure Test

Table IWB-2500-1, Examination Category B-P, of ASME Section XI requires the performance of a system leakage test (IWB-5221) each maintenance/refueling outage. This system leakage test (LT-1) was performed prior to plant startup following the refueling outage. These visual examinations revealed minor leakage and boron residue at mechanical connections. These leakage conditions were either corrected or evaluated and determined acceptable for continued system operation per approved plant procedures.

ASME Section XI, Subparagraph IWA-5242(a) requires removal of insulation from pressure-retaining bolted connections for VT-2 examination during system pressure testing for systems borated for the purposes of controlling reactivity. ASME Section XI Code Cases N-533-1 and N-616 were utilized during the refueling outage. These Code Cases were approved for use in Revision 13 of Regulatory Guide 1.147 dated June 2003. Case N-533-1 allows insulation to be removed while the connections are at atmospheric or static pressures. With the insulation removed a direct visual examination is performed to detect previously occurring leakage through the presence of boric acid crystals. Case N-616 allows the VT-2 examination to occur without insulation removal provided the bolting material is resistant to boric acid degradation.

The test boundary of the system leakage test includes both Class 1 and Class 2 components. The frequency for removal of insulation and direct visual examination for Class 1 pressure-retaining bolted connections is once each refueling outage (refer to Table IWB-2500-1, Examination Category B-P) and as such those activities occurred during the refueling outage. The Class 2 components comprise part of the reactor coolant pressure boundary but are not required to be classified as Class 1 per 10CFR50.55a(c)(2). The frequency for removal of insulation and direct visual examination for Class 2 pressure-retaining bolted connections is once each inspection period (refer to Table IWC-2500-1, Examination Category C-H). Those activities will be completed prior to the end of the inspection period.

### Class 2 Examinations

Selected Class 2 components were examined utilizing UT, PT and MT, as applicable. Specific components and examination areas are itemized in the applicable portions of this report document. A summary of those components examined are listed below:

- Steam Generator Welds,
- Boron Injection Tank Welds
- Residual Heat Removal Heat Exchanger Welds
- Safety Injection Pump and
- Piping Welds.

During the scope of VEGP-1 examinations conducted, no Class 2 components were observed to have either reportable UT, PT or MT indications.

Six examinations had limited coverage due to the geometric configuration of the welded areas. More than ninety percent (90%) of the required volume must be examined as addressed in ASME Section XI Code Case N-460 for adequate ASME Section XI Code-required examination coverage to be attained. As noted herein, the subject code case has been approved by the NRC for use as documented in NRC Regulatory Guide 1.147. It is impractical to achieve the ASME Section XI Code-required coverage due to the geometric configuration of the welded areas.

Three of the six limited examinations were submitted to the NRC through the relief request process prior to the 1R12 outage as allowed by 10 CFR 50.55a. The applicable relief request (RR-14 or RR-16) is indicated in the remarks of the combined Class 1 and Class 2 Weld Examination table. In the case of the remaining three limited examinations, a relief request will need to be submitted to the NRC after the last outage of the ISI period. The applicable three welds are indicated by "RR-Required" in the remarks of the combined Class 1 and Class 2 Weld Examination table.

### Class 2 Pressure Tests

Table IWC-2500-1, Examination Category C-H, of ASME Section XI requires system pressure testing each inspection period. The specific system pressure tests performed are itemized in the "Pressure Tests" portion of this report document. The visual examinations performed during these system pressure 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 per approved plant procedures.

ASME Section XI, Subparagraph IWA-5242(a) requires removal of insulation from pressure-retaining bolted connections for VT-2 examination during system pressure testing for systems borated for the purposes of controlling reactivity. ASME Section XI Code Cases N-533-1 and N-616 were utilized. These Code Cases were approved for use in Revision 13 of Regulatory Guide 1.147 dated June 2003. Case N-533-1 allows insulation to be removed while the connections are at atmospheric or static pressures. With the insulation removed a direct visual examination is performed to detect previously occurring leakage through the presence of boric acid crystals. Case N-616 allows the VT-2 examination to occur without insulation removal provided the bolting material is resistant to boric acid degradation.

### Class 1 and 2 Component Supports

Visual examinations were performed on supports for the following Class 1 and 2 components:

- Reactor Coolant System Equipment and Piping (1201),
- Safety Injection System Equipment and Piping (1204),
- Residual Heat Removal (1205),
- Containment Spray (1206),
- Chemical and Volume Control System Equipment and Piping (1208),
- Main Steam (1301),
- Auxiliary Feedwater (1302), and
- Condensate and Feedwater (1305).

The visual examination resulted in one support component having an unacceptable condition as follows:

- Residual Heat Removal System, Rigid Strut, (11205-003-H012). During visual examination, spherical bearings were frozen at both ends of strut. Refer to INF 105V1001.



## Class MC Containment Examinations and Tests (IWE)

### Category E-A, Containment Surfaces

The rulemaking contains a modification that requires a general visual examination once each period for Examination Category E-A, Containment surfaces. No general visual examination of the accessible surface areas of the Containment vessel pressure retaining boundary were scheduled or performed in 1R12.

### Category E-B, Pressure-Retaining Welds

The rulemaking contains a modification that makes examinations of Subsection IWE, Category E-B optional. SNC has chosen to not examine Category E-B welds at VEGP.

### Category E-C, Containment Surfaces Requiring Augmented Examination

Any existing surface areas likely to experience accelerated degradation and aging need to be identified. Such areas (if identified) require the performance of augmented examinations as defined in Examination Category E-C. There are no existing areas in VEGP-1 requiring Category E-C examination.

### Category E-D, Seals, Gaskets, and Moisture Barriers

During the VEGP-1 Spring 2005 maintenance/refueling outage, a VT-3 of 100% of the moisture barrier was performed in response to the NRC rulemaking to 10 CFR 50.55a, in which the requirements of Subsections IWE, to the 1992 Edition of ASME Section XI with 1992 Addenda, were invoked. The examination was performed by SNC personnel using VEGP procedure 85053-C, Revision 2, "Visual Examination for ASME XI Subsection IWE and IWL, and General Visual Examinations" and who were qualified per VEGP procedure 85001-C, Revision 11.1, "Qualification of Inspection, Examination, and Testing Personnel". This VT-3 examination of the moisture barrier confirmed the absence of any flaws or areas of degradation that may violate the leak tight integrity of Containment.

SNC has chosen to implement Request for Relief (RR-E-1) to allow leak tightness of seals and gaskets to be verified by 10 CFR 50, Appendix J Type B testing (LLRT). The NRC approved SNC's use of RR-E-1 in its June 16, 2000, letter to SNC. The Type B test results, along with the Type C test results, are available at the plant site for review upon request in accordance with 10 CFR 50 Appendix J Option B.

### Category E-F, Pressure-Retaining Dissimilar Metal Welds

The rulemaking contains a modification that makes examinations of Subsection IWE, Category E-F optional. SNC has chosen to not examine Category E-F welds at VEGP.

### Category E-G, Pressure-Retaining Bolting

One hundred percent (100%) of the accessible pressure-retaining bolting (bolts and studs) are required to be examined during the interval using a VT-1 visual examination method. No VT-1 examinations of the accessible Containment boundary pressure-retaining bolting were scheduled or performed during 1R12.

## Technical Specification 5.5.9 - Steam Generator Tube Inspections

### NOTE

The following discussion on the steam generator tubing inspections, in addition to fulfilling the reporting requirements of ASME Section XI for Inservice Inspection activities, constitutes the report required by VEGP Technical Specification 5.6.10.b to be submitted to the NRC within twelve (12) months following completion of the steam generator tube inspections. Accordingly, a separate submittal is not being made to the NRC on the inspection of the steam generator tubes performed during the twelfth maintenance/refueling outage (1R12) at VEGP-1.

### Introduction

During 1R12 the Steam Generator Maintenance Services Group of the Westinghouse Nuclear Services Division performed eddy current testing of two (2) Westinghouse Model F steam generators (SGs), numbers 1 and 4, in parallel from March 14 to April 2, 2005. At the start of 1R12 each SG had 5626 tubes with six (6) plugged tubes in SG 1 and fourteen (14) plugged tubes in SG 4. The base inspection scope for SGs 1 and 4 follows:

- 100% full length bobbin (except for Rows 1 and 2, which are inspected from tube end to tube support plate (TSP) #7 from both hot leg side (HL) and cold leg side (CL));
- 50% HL TTS,  $\pm 3$ ", mid-range +Point examination;
- 50% U-bend (Rows 1 and 2) +Point examination;
- Special interest +Point examination of areas identified during the bobbin inspection;
- 100% of the dents and dings  $\geq 5$  volts (by bobbin), not previously inspected, in the U-bend and HL areas with +Point examination;
- Special interest +Point examination of areas related possible loose parts;
- Visual inspection of tube plugs;
- Greater than 20% of total HL side expanded tubesheet section bulges (BLG) and over-expansions (OXP) +Point examination.

In addition to the above 1R12 data collected, a review was performed of all 1R10 Bobbin data for SG 1 and 4 to look for an artifact that indicated susceptibility to SCC found at Seabrook and Braidwood. There were no similar indications found in the Vogtle Unit 1 Bobbin data for SGs 1 and 4. The review was performed using information provided by the Electric Power Research Institute (EPRI) Steam Generator Management Program (SGMP). No potential ODS/SCC precursor signals at the TSPs were reported in those tubes which were identified in the review for special monitoring as being tubes potentially more susceptible to crack initiation at TSPs.

The initial sample of greater than 20% of total BLGs and OXPs in the tubesheet was selected from the region TTS -10" to +3", selecting from the largest BLG amplitudes in descending order and from the BLG locations with voltage  $>18$ V and where OXP  $>1.5$  mils diametral excess to the extent necessary to exceed the 20% sample. Expansion of the inspection occurred and is described in a later section.

This report satisfies the 12-month NRC report required by VEGP Technical Specification 5.6.10.b, in addition to fulfilling the ASME Section XI report for Inservice Inspection activities. Note that personnel qualifications, test equipment certifications, and calibration data are not in this report, but are contained in the Westinghouse Electric Company, Nuclear Service Division, Steam Generator Maintenance Services Field Service Report, MSR-FSR-1381-GAE. That report will be available at the plant site for review upon request.

### Scope Expansion

A scope expansion was implemented in accordance with Technical Specifications and EPRI Report 1003138, Pressurized Water Reactor Steam Generator Examination Guidelines, Table 3-2 due to crack indications detected in SG 4. The crack indications were in 2 tubes at BLG locations: a single circumferential indication within 1" of top of tubesheet (TTS) in 1 tube, and multiple circumferential indications within 2" of TTS in the other tube. The inspection in SG 4 was expanded to 100% of BLGs and OXPs in the tubesheet. The inspection was also expanded into SG 2 and SG 3, in which a sample inspection of greater than 20% of the tubesheet BLGs and OXPs was performed, with the initial sample in these SGs being selected similarly to the initial samples in SG 1 and SG 4. No additional crack indications were detected in the expanded inspections.

### Tube Inspection Plan

Steam generator tube inspections conducted during 1R12 met or exceeded the recommendations made in the EPRI report 1003138 -V1R6, "PWR Steam Generator Examination Guidelines", which were adopted by SNC for steam generator tube inspections. The VEGP inspection plan requires that 100% of the tube population be inspected from two steam generators each outage, except for rows 1 and 2 U-bends which are inspected in accordance with the RPC program. This inspection plan meets the requirements of 1003138-V1R6 and is required by site procedure 84002-C, "Steam Generator Inspections and Reports". As stated previously, the scope expansions also met the requirements of 1003138-V1R6.

The Eddy Current inspection program was conducted in accordance with Westinghouse Field Procedure MRS 2.4.2 GPC-3 Rev. 11, "Eddy Current Inspection of Preservice and Inservice Heat Exchanger Tubing." Inspection probes used were in accordance with Probe Authorization, Revision 1. The test configurations and acquisition rates were in accordance with the Eddy Current Acquisition Technique Sheets (ACTS).

### Data Evaluation

Data collection was performed by Westinghouse using ROSA and the TC6700 tester. Data was sent from the site via two T-1 lines in the ANSER software format to the Westinghouse Waltz Mill, Pennsylvania facility. Westinghouse and its subcontractors performed the primary analysis of the eddy current data using Automated Data Screening (ADS) and STMax software for Data Management. Zetec performed the secondary analysis of the eddy current data at their Issaquah, Washington facility utilizing the EddyNet Computer Data Screening (CDS) system. Resolutions were performed jointly by Westinghouse and Zetec at the Vogtle site. In addition, an SNC Level III was located at the Vogtle site to facilitate the resolution of eddy current data and to perform the duties of the independent qualified data analyst (QDA). ANSER software was used for acquisition, data quality monitoring and for primary analysis. SNC site-specific Data Analysis Guidelines and procedure MRS 2.4.2 GPC-37, Rev. 11, "Steam Generator Eddy Current Data Analysis Techniques for Vogtle Units 1 and 2", were used to perform the analysis.

### Tube Wear

Tables 1 – 4 list the locations and percent of wall thickness penetration for indications in all tubes having indications identified during the 1R12 inspection, including expansions.

### Tube Plugging

Two tubes in SG 4 were plugged in 1R12 with mechanical plugs as listed in Table 1 below because of multiple circumferential indications (MCI) detected in R11C88 and a single circumferential indication (SCI) detected in R6C101. The indications were attributed to Primary Water Stress Corrosion Cracking (PWSCC). Both tubes had stabilizers installed in the hot leg side. No tubes in SG 1, SG 2, or SG 3 were plugged.

Mechanical tube plugging was performed in accordance with Westinghouse Field Procedure MRS 2.3.2 GPC-13 Rev. 3, Mechanical Plugging of Steam Generator Tubes for Vogtle Site. Pursuant to Vogtle Technical Specification 5.6.10.a, a 15-day report was submitted to the NRC and identified the number of steam generator tubes plugged during 1R12. The subject report was submitted to the NRC by SNC letter NL-05-0688, on 4/12/05.

### **Final Results**

Inspection was performed in all four VEGP Unit 1 SGs. SG 1 and SG 4 were inspected as part of the original base scope, with inspections in SG 2, SG 3, and SG 4 expanded consistent with TS and EPRI guidelines requirements. The required expansion for SG 1 was met by the initial eddy current sample. There are three (3) tube degradation mechanisms in the Vogtle 1 SGs: AVB wear, PWSCC in tube sheet joint bulge locations, and loose parts wear. The wear at AVBs continues to progress very slowly, in line with predictions and consistent with industry experience and trends. The progression of tube wear associated with loose parts is very slight and reflects the attention paid to secondary side cleanliness. The two tubes with PWSCC in the tubesheet joint bulges were free from detectable degradation in 1R8; thus the modest extent of the 1R12 indications suggests slow progression after initiation.

### **AVB Wear**

AVB wear is the only systematic degradation mechanism that has been observed at Vogtle 1. Based on application of conservative AVB wear growth rates, the condition of the Vogtle 1 SG 2 and SG 3 tubes have been analyzed with respect to continued operability of the SGs until the end of Cycle 13, without exceeding the structural integrity recommendations of draft Reg. Guide 1.121. For SG 1 and SG 4 the growth rates were determined by comparative analysis of AVB wear sites from 1R10 and 1R12. The growth values obtained were not large enough to present a likelihood that conditions exceeding Reg. Guide 1.121 structural limit would occur during the estimated 2.8 EFPY operating interval from 1R12 to 1R14 for SGs 1 and 4, nor during the estimated 2.8 EFPY operating interval from 1R11 to 1R13 for SG 2 and SG 3.

### **PWSCC in Tubesheet Joint Bulges**

Given the small number of crack indications detected during 1R12, and the fact that they are found below the TTS in specifically targeted BLG/OXP locations, that they are precluded from burst, and did not present characteristics that challenged tube performance criteria during Cycle 12, it can be assumed that the incidence of such cracks during Cycle 13 will not differ significantly from what was observed during 1R12. Therefore it is expected that for SG1-4 the performance criteria for operations until 1R13 (1.4 EFPY estimated operating interval) will not be exceeded. The analysis of Cycle 13 with respect to circumferential PWSCC found in 2 tubes in SG4 will demonstrate on the basis of industry experience and the limited number and relative small sizes of the cracks observed that the incidence of cracks presenting a challenge to the tube integrity performance criteria is very unlikely during Cycle 13.

### **Foreign Objects**

The small foreign object identified in the secondary side inspections in SG 1 (4/97 and 5/96) is fixed in place and poses no challenge to tube integrity during the operating interval encompassing Cycles 13 and 14. Review of the IN2002-02 information relative to the potential damage due to severing previously plugged tubes was not relevant since there were no visual or EC indications of significant loose parts wear.

Attached are the Westinghouse tables listing the percent of wall thickness penetration for indications identified during the 1R12 inspection in Steam Generators 1 through 4.

TABLE 1 - SG 1 PERCENT WALL THICKNESS PENETRATION FOR EACH INDICATION

SG - 1 LISTING OF U1R12 PERCENT THROUGH WALL INDICATIONS (TECH SPEC REPORTING REQUIREMENT)																			
Vogtle 1 U1R12										GAE 20050301				03/31/2005 22:35:14					
ROW	COL	VOLTS	DEG	IND	PER	CHN	LOCN	INCH1	INCH2	I	CRLEN	CRWID	CEG	BEGT	ENDT	PDIA	PTYPE	CAL	L
38	16	.52	0	PCT	17	P2	AV2	.03						TEH	TEC	.560	RBARH	14	C
38	16	.49	0	PCT	16	P2	AV3	.10						TEH	TEC	.560	RBARH	14	C
38	16	1.57	0	PCT	32	P2	AV4	.00						TEH	TEC	.560	RBARH	14	C
38	16	.33	0	PCT	12	P2	AV5	.13						TEH	TEC	.560	RBARH	14	C
35	18	.44	0	PCT	14	P2	AV6	.14						TEH	TEC	.560	RBARH	18	C
41	18	.40	0	PCT	13	P2	AV4	.08						TEH	TEC	.560	RBARH	18	C
41	18	.26	0	PCT	10	P2	AV5	.00						TEH	TEC	.560	RBARH	18	C
41	18	.45	0	PCT	15	P2	AV6	.03						TEH	TEC	.560	RBARH	18	C
40	20	.32	0	PCT	11	P2	AV4	-.03						TEH	TEC	.560	RBARH	18	C
43	21	1.17	0	PCT	27	P2	AV5	.00						TEH	TEC	.560	RBARH	20	C
43	21	.32	0	PCT	11	P2	AV6	.08						TEH	TEC	.560	RBARH	20	C
44	21	.43	0	PCT	14	P2	AV5	.00						TEH	TEC	.560	RBARH	20	C
41	23	.34	0	PCT	11	P2	AV4	.00						TEH	TEC	.560	RBARH	20	C
49	27	.31	0	PCT	10	P2	AV3	.00						TEH	TEC	.560	ZBALC	102	C
50	29	.25	0	PCT	10	P2	AV1	-.05						TEH	TEC	.560	RBARH	100	C
50	29	.30	0	PCT	11	P2	AV2	-.05						TEH	TEC	.560	RBARH	100	C
45	30	.36	0	PCT	12	P2	AV3	.00						TEH	TEC	.560	ZBALC	98	C
52	33	.54	0	PCT	16	P2	AV2	.00						TEH	TEC	.560	ZBALC	98	C
52	33	.57	0	PCT	17	P2	AV3	.00						TEH	TEC	.560	ZBALC	98	C
40	34	.27	0	PCT	8	P2	AV2	.00						TEH	TEC	.560	ZBALC	98	C
40	34	.45	0	PCT	14	P2	AV4	.00						TEH	TEC	.560	ZBALC	98	C
40	34	.34	0	PCT	11	P2	AV6	.00						TEH	TEC	.560	ZBALC	98	C
42	34	.45	0	PCT	14	P2	AV4	.00						TEH	TEC	.560	ZBALC	98	C
54	36	.23	0	PCT	9	P2	AV2	.00						TEH	TEC	.560	RBARH	100	C
42	37	.34	0	PCT	13	P2	AV6	-.03						TEH	TEC	.560	RBARH	100	C
54	37	.27	0	PCT	10	P2	AV1	.00						TEH	TEC	.560	RBARH	100	C
54	37	.39	0	PCT	14	P2	AV6	.08						TEH	TEC	.560	RBARH	100	C
52	39	.76	0	PCT	23	P2	AV2	.00						TEH	TEC	.560	RBARH	100	C
52	39	1.43	0	PCT	32	P2	AV3	-.10						TEH	TEC	.560	RBARH	100	C
52	39	1.07	0	PCT	28	P2	AV4	-.08						TEH	TEC	.560	RBARH	100	C
52	39	.36	0	PCT	13	P2	AV5	-.08						TEH	TEC	.560	RBARH	100	C
53	39	.31	0	PCT	12	P2	AV6	.00						TEH	TEC	.560	RBARH	100	C
42	43	.28	0	PCT	11	P2	AV2	.03						TEH	TEC	.560	RBARH	104	C
42	43	.24	0	PCT	9	P2	AV3	.16						TEH	TEC	.560	RBARH	104	C
42	43	.30	0	PCT	11	P2	AV4	-.08						TEH	TEC	.560	RBARH	104	C
42	43	.37	0	PCT	14	P2	AV5	-.16						TEH	TEC	.560	RBARH	104	C
41	44	.62	0	PCT	18	P2	AV2	.00						TEH	TEC	.560	ZBALC	102	C
41	44	1.47	0	PCT	30	P2	AV3	.00						TEH	TEC	.560	ZBALC	102	C
52	44	.97	0	PCT	23	P2	AV4	.00						TEH	TEC	.560	ZBALC	94	C
57	44	.62	0	PCT	20	P2	AV4	.05						TEH	TEC	.560	RBARH	96	C
57	44	2.01	100	PCT	38	P2	AV5	.03						TEH	TEC	.560	RBARH	96	C
57	44	.32	0	PCT	11	P2	AV6	.03						TEH	TEC	.560	RBARH	96	C
54	45	.21	0	PCT	7	P2	AV2	-.05						TEH	TEC	.560	RBARH	96	C
57	45	.67	0	PCT	21	P2	AV2	-.23						TEH	TEC	.560	RBARH	96	C
57	45	1.57	0	PCT	34	P2	AV3	.03						TEH	TEC	.560	RBARH	96	C
57	45	.30	0	PCT	10	P2	AV5	.13						TEH	TEC	.560	RBARH	96	C
57	45	.43	0	PCT	15	P2	AV6	-.13						TEH	TEC	.560	RBARH	96	C
40	47	.95	0	PCT	26	P2	AV3	.00						TEH	TEC	.560	RBARH	104	C
40	47	1.23	0	PCT	30	P2	AV4	.00						TEH	TEC	.560	RBARH	104	C
40	47	.28	0	PCT	11	P2	AV5	.00						TEH	TEC	.560	RBARH	104	C
40	47	.35	0	PCT	13	P2	AV6	.00						TEH	TEC	.560	RBARH	104	C
39	48	.36	0	PCT	12	P2	AV2	.00						TEH	TEC	.560	ZBALC	102	C
39	48	.69	0	PCT	20	P2	AV3	.00						TEH	TEC	.560	ZBALC	102	C
39	48	.61	0	PCT	18	P2	AV4	.00						TEH	TEC	.560	ZBALC	102	C
39	48	.41	0	PCT	13	P2	AV5	.00						TEH	TEC	.560	ZBALC	102	C
ROW	COL	VOLTS	DEG	IND	PER	CHN	LOCN	INCH1	INCH2	I	CRLEN	CRWID	CEG	BEGT	ENDT	PDIA	PTYPE	CAL	L

TABLE 1 - SG 1 PERCENT WALL THICKNESS PENETRATION FOR EACH INDICATION

SG - 1 LISTING OF UIR12 PERCENT THROUGH WALL INDICATIONS (TECH SPEC REPORTING REQUIREMENT)																			
Jogfile 1 UIR12										GAE 20050301			03/31/2005 22:35:14						
ROW	COL	VOLTS	DEG	IND	PER	CHN	LOCN	INCH1	INCH2	I	CRLEN	CRWID	CEG	BEGT	ENDT	PDIA	PTYPE	CAL	L
41	51	.29	0	PCT	11	P2	AV4	-.05						TEH	TEC	.560	RBARH	104	C
54	53	.27	0	PCT	9	P2	AV2	.03						TEH	TEC	.560	RBARH	96	C
54	53	.25	0	PCT	9	P2	AV3	.00						TEH	TEC	.560	RBARH	96	C
40	62	.37	0	PCT	11	P2	AV5	.00						TEH	TEC	.560	ZBALC	106	C
59	62	.27	0	PCT	9	P2	AV6	.00						TEH	TEC	.560	RBARH	116	C
40	75	.24	0	PCT	8	P2	AV3	.00						TEH	TEC	.560	ZBALC	82	C
58	75	.27	0	PCT	8	P2	AV1	.00						TEH	TEC	.560	ZBALC	110	C
58	76	.30	0	PCT	7	P2	AV6	.00						TEH	TEC	.560	ZBALC	110	C
37	77	.32	0	PCT	7	P2	AV3	.36						TEH	TEC	.560	ZBALC	110	C
37	77	.27	0	PCT	6	P2	AV6	.03						TEH	TEC	.560	ZBALC	110	C
57	78	.39	0	PCT	14	P2	AV6	.03						TEH	TEC	.560	ZBALC	84	C
41	80	.33	0	PCT	12	P2	AV3	.00						TEH	TEC	.560	ZBALC	84	C
44	80	.25	0	PCT	9	P2	AV4	.15						TEH	TEC	.560	ZBALC	84	C
43	81	.40	0	PCT	13	P2	AV4	.00						TEH	TEC	.560	ZBALC	82	C
43	81	.25	0	PCT	8	P2	AV5	.00						TEH	TEC	.560	ZBALC	82	C
43	82	.36	0	PCT	13	P2	AV3	.00						TEH	TEC	.560	ZBALC	84	C
43	83	.25	0	PCT	8	P2	AV1	.00						TEH	TEC	.560	ZBALC	82	C
43	83	.39	0	PCT	13	P2	AV3	.00						TEH	TEC	.560	ZBALC	82	C
43	83	.75	0	PCT	20	P2	AV4	.00						TEH	TEC	.560	ZBALC	82	C
43	83	.41	0	PCT	13	P2	AV5	.00						TEH	TEC	.560	ZBALC	82	C
54	83	.26	0	PCT	11	P2	AV1	.00						TEH	TEC	.560	ZBALC	70	C
54	83	.38	0	PCT	15	P2	AV6	.10						TEH	TEC	.560	ZBALC	70	C
43	85	.31	0	PCT	11	P2	AV2	.26						TEH	TEC	.560	ZBALC	84	C
39	87	.25	0	PCT	8	P2	AV4	.03						TEH	TEC	.560	ZBALC	88	C
48	87	.34	0	PCT	14	P2	AV6	.13						TEH	TEC	.560	ZBALC	70	C
53	87	.29	0	PCT	12	P2	AV3	.00						TEH	TEC	.560	ZBALC	70	C
49	88	.32	0	PCT	11	P2	AV4	.06						TEH	TEC	.560	ZBALC	70	C
39	90	.23	0	PCT	8	P2	AV2	.00						TEH	TEC	.560	RBARH	60	C
39	90	.31	0	PCT	11	P2	AV3	.00						TEH	TEC	.560	RBARH	60	C
45	90	.37	0	PCT	12	P2	AV2	.00						TEH	TEC	.560	ZBALC	82	C
45	90	.26	0	PCT	9	P2	AV3	.00						TEH	TEC	.560	ZBALC	82	C
53	90	.54	0	PCT	15	P2	AV6	.00						TEH	TEC	.560	ZBALC	82	C
43	91	1.48	0	PCT	32	P2	AV2	.00						TEH	TEC	.560	ZBALC	84	C
43	91	.61	0	PCT	19	P2	AV3	.00						TEH	TEC	.560	ZBALC	84	C
43	91	.42	0	PCT	14	P2	AV4	.00						TEH	TEC	.560	ZBALC	84	C
52	91	.34	0	PCT	12	P2	AV1	-.05						TEH	TEC	.560	ZBALC	84	C
48	97	.35	0	PCT	12	P2	AV1	.00						TEH	TEC	.560	RBARH	66	C
47	99	.31	0	PCT	10	P2	AV2	.00						TEH	TEC	.560	RBARH	68	C
27	100	.25	0	PCT	8	P2	AV5	.00						TEH	TEC	.560	ZBALC	58	C
37	102	.48	0	PCT	15	P2	AV5	.00						TEH	TEC	.560	RBARH	60	C
35	104	.31	0	PCT	11	P2	AV3	.00						TEH	TEC	.560	RBARH	60	C
39	104	.30	0	PCT	11	P2	AV4	.00						TEH	TEC	.560	ZBALC	62	C
39	104	.27	0	PCT	10	P2	AV5	.00						TEH	TEC	.560	ZBALC	62	C
40	104	.30	0	PCT	11	P2	AV4	.00						TEH	TEC	.560	ZBALC	62	C
42	104	.48	0	PCT	16	P2	AV6	-.05						TEH	TEC	.560	ZBALC	62	C
36	105	.31	0	PCT	11	P2	AV3	.03						TEH	TEC	.560	RBARH	66	C

TABLE 1 – SG 1 PERCENT WALL THICKNESS PENETRATION FOR EACH INDICATION

SG - 1 LISTING OF U1R12 PERCENT THROUGH WALL INDICATIONS (TECH SPEC REPORTING REQUIREMENT)

logfile 1 U1R12

GAE 20050301

03/31/2005 22:35:14

ROW	COL	VOLTS	DEG	IND	PER	CHN	LOCN	INCH1	INCH2	I	CRLEN	CRWID	CEG	BEGT	ENDT	PDIA	PTYPE	CAL	L
38	108	.26	0	PCT	9	P2	AV6	.05						TEH	TEC	.560	ZBALC	62	C
27	115	.29	0	PCT	11	P2	AV1	.00						TEH	TEC	.560	RBARH	66	C
27	115	.31	0	PCT	11	P2	AV6	.18						TEH	TEC	.560	RBARH	66	C
28	115	.38	0	PCT	13	P2	AV1	.18						TEH	TEC	.560	RBARH	66	C
28	115	1.17	0	PCT	27	P2	AV6	.00						TEH	TEC	.560	RBARH	66	C
23	116	.34	0	PCT	11	P2	AV6	.00						TEH	TEC	.560	ZBALC	62	C
24	116	.39	0	PCT	13	P2	AV6	.23						TEH	TEC	.560	RBARH	66	C
26	116	.34	0	PCT	12	P2	AV1	.00						TEH	TEC	.560	RBARH	66	C
26	116	.69	0	PCT	20	P2	AV6	.00						TEH	TEC	.560	RBARH	66	C

TABLE 2 – SG 2 PERCENT WALL THICKNESS PENETRATION FOR EACH INDICATION

SG - 2 LISTING OF UIR12 PERCENT THROUGH WALL INDICATIONS (TECH SPEC REPORTING REQUIREMENT)

Vogtle 1 UIR12

GAE 20050301

05/16/2005 14:20:48

ROW	COL	VOLTS	DEG	IND	PER	CHN	LOCN	INCH1	INCH2	I	CRLEN	CRWID	CEG	BEGT	ENDT	PDIA	PTYPE	CAL	L



TABLE 3 – SG 3 PERCENT WALL THICKNESS PENETRATION FOR EACH INDICATION

SG - 3 LISTING OF U1R12 PERCENT THROUGH WALL INDICATIONS (TECH SPEC REPORTING REQUIREMENT)

Vogtle 1 U1R12

GAE 20050301

05/16/2005 14:20:48

ROW	COL	VOLTS	DEG	IND	PER	CHN	LOCN	INCH1	INCH2	I	CRLEN	CRWID	CEG	BEGT	ENDT	PDIA	PTYPE	CAL	L

TABLE 4 - SG 4 PERCENT WALL THICKNESS PENETRATION FOR EACH INDICATION

SG - 4 LISTING OF UIR12 PERCENT THROUGH WALL INDICATIONS (TECH SPEC REPORTING REQUIREMENT)																			
Vogtle 1 UIR12										GAE 20050301			03/31/2005 22:35:15						
ROW	COL	VOLTS	DEG	IND	PER	CHN	LOCN	INCH1	INCH2	I	CRLEN	CRWID	CEG	BEGT	ENDT	PDIA	PTYPE	CAL	L
27	8	.47	0	PCT	17	P2	AV6	.00						TEH	TEC	.560	RBARH	24	C
27	9	.51	0	PCT	16	P2	AV5	.00						TEH	TEC	.560	RBARH	2	C
30	9	.47	0	PCT	15	P2	AV2	.00						TEH	TEC	.560	RBARH	2	C
30	9	1.68	0	PCT	33	P2	AV5	1.01						TEH	TEC	.560	RBARH	2	C
33	12	.26	0	PCT	9	P2	AV2	.15						TEH	TEC	.560	RBARH	2	C
33	12	.22	0	PCT	8	P2	AV3	.00						TEH	TEC	.560	RBARH	2	C
33	12	.28	0	PCT	10	P2	AV6	-.10						TEH	TEC	.560	RBARH	2	C
36	13	.22	0	PCT	9	P2	AV2	.00						TEH	TEC	.560	RBARH	20	C
36	14	.18	0	PCT	8	P2	AV1	.00						TEH	TEC	.560	RBARH	20	C
30	20	.15	0	PCT	6	P2	AV2	.00						TEH	TEC	.560	RBARH	20	C
45	22	.26	0	PCT	11	P2	AV5	.00						TEH	TEC	.560	RBARH	16	C
39	23	.24	0	PCT	10	P2	AV3	.00						TEH	TEC	.560	RBARH	16	C
41	23	.22	0	PCT	9	P2	AV2	.00						TEH	TEC	.560	RBARH	16	C
32	25	.16	0	PCT	7	P2	AV4	.00						TEH	TEC	.560	RBARH	20	C
40	25	.22	0	PCT	9	P2	AV3	.00						TEH	TEC	.560	RBARH	16	C
40	29	.22	0	PCT	7	P2	AV2	.08						TEH	TEC	.560	RBARH	12	C
33	34	.33	0	PCT	12	P2	AV3	.00						TEH	TEC	.560	RBARH	10	C
33	34	.24	0	PCT	9	P2	AV4	.15						TEH	TEC	.560	RBARH	10	C
33	34	.33	0	PCT	12	P2	AV5	.10						TEH	TEC	.560	RBARH	10	C
54	36	.31	0	PCT	11	P2	AV5	.00						TEH	TEC	.560	RBARH	10	C
54	38	.23	0	PCT	8	P2	AV1	.05						TEH	TEC	.560	RBARH	12	C
36	39	.69	0	PCT	21	P2	AV3	.05						TEH	TEC	.560	RBARH	12	C
40	39	.24	0	PCT	8	P2	AV3	.10						TEH	TEC	.560	RBARH	12	C
41	39	.25	0	PCT	9	P2	AV3	.00						TEH	TEC	.560	RBARH	12	C
28	40	.43	0	PCT	15	P2	AV5	.00						TEH	TEC	.560	RBARH	24	C
30	40	.48	0	PCT	15	P2	AV5	.00						TEH	TEC	.560	RBARH	10	C
55	40	.36	0	PCT	12	P2	AV6	.00						TEH	TEC	.560	RBARH	10	C
56	41	.36	0	PCT	12	P2	AV5	.00						TEH	TEC	.560	RBARH	14	C
27	43	.31	0	PCT	11	P2	AV5	-.10						TEH	TEC	.560	RBARH	48	C
43	46	.56	0	PCT	19	P2	AV6	-.10						TEH	TEC	.560	RBARH	50	C
58	48	.37	0	PCT	13	P2	AV5	.00						TEH	TEC	.560	RBARH	48	C
27	51	.34	0	PCT	12	P2	AV2	.00						TEH	TEC	.560	RBARH	64	C
39	51	.28	0	PCT	10	P2	AV3	-.46						TEH	TEC	.560	RBARH	44	C
39	51	.35	0	PCT	12	P2	AV4	-.18						TEH	TEC	.560	RBARH	44	C
39	51	.33	0	PCT	11	P2	AV5	-.13						TEH	TEC	.560	RBARH	44	C
39	51	.46	0	PCT	15	P2	AV6	.00						TEH	TEC	.560	RBARH	44	C
38	52	.22	0	PCT	8	P2	AV3	-.56						TEH	TEC	.560	RBARH	44	C
38	52	.24	0	PCT	9	P2	AV4	-.51						TEH	TEC	.560	RBARH	44	C
49	54	.55	0	PCT	19	P2	AV2	.35						TEH	TEC	.560	RBARH	50	C
49	54	.91	0	PCT	26	P2	AV3	.10						TEH	TEC	.560	RBARH	50	C
49	54	1.23	0	PCT	31	P2	AV4	.10						TEH	TEC	.560	RBARH	50	C
49	54	.69	0	PCT	22	P2	AV5	-.03						TEH	TEC	.560	RBARH	50	C
38	55	.23	0	PCT	8	P2	AV4	.00						TEH	TEC	.560	RBARH	44	C
57	55	.34	0	PCT	12	P2	AV6	.00						TEH	TEC	.560	RBARH	48	C
39	56	.41	0	PCT	14	P2	AV3	.00						TEH	TEC	.560	RBARH	52	C
39	56	.37	0	PCT	13	P2	AV4	.00						TEH	TEC	.560	RBARH	52	C
39	58	.23	0	PCT	8	P2	AV3	.00						TEH	TEC	.560	RBARH	64	C

TABLE 4 - SG 4 PERCENT WALL THICKNESS PENETRATION FOR EACH INDICATION

SG - 4 LISTING OF U1R12 PERCENT THROUGH WALL INDICATIONS (TECH SPEC REPORTING REQUIREMENT)																			
Vogtle 1 U1R12										GAE 20050301				03/31/2005 22:35:15					
ROW	COL	VOLTS	DEG	IND	PER	CHN	LOCN	INCH1	INCH2	I	CRLEN	CRWID	CEG	BEGT	ENDT	PDIA	PTYPE	CAL	L1
39	58	.44	0	PCT	15	P2	AV4	.05						TEH	TEC	.560	RBARH	64	C
39	58	.36	0	PCT	12	P2	AV6	.38						TEH	TEC	.560	RBARH	64	C
39	62	.20	0	PCT	7	P2	AV4	.05						TEH	TEC	.560	RBARH	64	C
40	62	.68	0	PCT	23	P2	AV2	-.15						TEH	TEC	.560	RBARH	70	C
40	62	1.40	0	PCT	33	P2	AV3	.10						TEH	TEC	.560	RBARH	70	C
40	62	.91	0	PCT	27	P2	AV4	.23						TEH	TEC	.560	RBARH	70	C
40	62	.29	0	PCT	12	P2	AV5	.18						TEH	TEC	.560	RBARH	70	C
50	63	.43	0	PCT	15	P2	AV2	-.08						TEH	TEC	.560	RBARH	106	C
50	63	.62	0	PCT	19	P2	AV3	-.15						TEH	TEC	.560	RBARH	106	C
50	63	.60	0	PCT	19	P2	AV4	.18						TEH	TEC	.560	RBARH	106	C
28	65	.29	0	PCT	10	P2	AV5	-.17						TEH	TEC	.560	RBARH	64	C
58	65	.32	0	PCT	13	P2	AV1	.00						TEH	TEC	.560	RBARH	56	C
43	66	.36	0	PCT	13	P2	AV2	.00						TEH	TEC	.560	RBARH	106	C
43	66	.40	0	PCT	14	P2	AV3	.00						TEH	TEC	.560	RBARH	106	C
58	73	.34	0	PCT	14	P2	AV6	.13						TEH	TEC	.560	RBARH	58	C
38	74	.22	0	PCT	9	P2	AV2	.12						TEH	TEC	.560	RBARH	72	C
39	75	.45	0	PCT	16	P2	AV5	.00						TEH	TEC	.560	RBARH	74	C
39	75	.15	0	PCT	7	P2	AV6	.00						TEH	TEC	.560	RBARH	74	C
38	76	.34	0	PCT	12	P2	AV3	-.15						TEH	TEC	.560	RBARH	72	C
38	76	.51	0	PCT	17	P2	AV4	-.20						TEH	TEC	.560	RBARH	72	C
38	76	.22	0	PCT	9	P2	AV6	-.10						TEH	TEC	.560	RBARH	72	C
50	76	.35	0	PCT	15	P2	AV3	.03						TEH	TEC	.560	RBARH	58	C
50	76	.99	0	PCT	28	P2	AV5	.03						TEH	TEC	.560	RBARH	58	C
40	78	.49	0	PCT	17	P2	AV2	.00						TEH	TEC	.560	RBARH	110	C
40	78	.46	0	PCT	16	P2	AV3	.00						TEH	TEC	.560	RBARH	110	C
36	79	.35	0	PCT	13	P2	AV4	.00						TEH	TEC	.560	RBARH	110	C
56	81	.30	0	PCT	13	P2	AV6	-.08						TEH	TEC	.560	RBARH	58	C
28	82	.25	0	PCT	10	P2	AV5	.00						TEH	TEC	.560	RBARH	90	C
40	82	.62	0	PCT	19	P2	AV3	-.13						TEH	TEC	.560	RBARH	78	C
40	82	.98	0	PCT	26	P2	AV4	.10						TEH	TEC	.560	RBARH	78	C
55	82	.32	0	PCT	13	P2	AV5	.00						TEH	TEC	.560	RBARH	56	C
40	84	.31	0	PCT	11	P2	AV2	.08						TEH	TEC	.560	RBARH	78	C
40	84	.20	0	PCT	7	P2	AV5	.00						TEH	TEC	.560	RBARH	78	C
38	86	.38	0	PCT	14	P2	AV4	-.08						TEH	TEC	.560	RBARH	78	C
40	86	.32	0	PCT	12	P2	AV4	.08						TEH	TEC	.560	RBARH	78	C
40	87	.48	0	PCT	16	P2	AV4	-.08						TEH	TEC	.560	RBARH	78	C
40	87	.57	0	PCT	18	P2	AV5	.00						TEH	TEC	.560	RBARH	78	C
40	88	.30	0	PCT	11	P2	AV3	.08						TEH	TEC	.560	RBARH	78	C
40	88	.64	0	PCT	20	P2	AV4	-.05						TEH	TEC	.560	RBARH	78	C
40	88	.36	0	PCT	13	P2	AV5	.08						TEH	TEC	.560	RBARH	78	C
40	88	.40	0	PCT	14	P2	AV6	.10						TEH	TEC	.560	RBARH	78	C
53	89	.28	0	PCT	11	P2	AV4	.00						TEH	TEC	.560	RBARH	74	C
40	90	.18	0	PCT	6	P2	AV3	.00						TEH	TEC	.560	RBARH	78	C
40	90	.33	0	PCT	12	P2	AV4	-.13						TEH	TEC	.560	RBARH	78	C
40	90	.20	0	PCT	7	P2	AV5	.00						TEH	TEC	.560	RBARH	78	C
53	90	.24	0	PCT	10	P2	AV1	.00						TEH	TEC	.560	RBARH	74	C
53	90	.30	0	PCT	12	P2	AV5	.00						TEH	TEC	.560	RBARH	74	C
53	90	.36	0	PCT	13	P2	AV6	.00						TEH	TEC	.560	RBARH	74	C
33	91	.23	0	PCT	8	P2	AV2	.03						TEH	TEC	.560	RBARH	80	C
40	92	.34	0	PCT	12	P2	AV3	.00						TEH	TEC	.560	RBARH	78	C
40	92	.43	0	PCT	15	P2	AV5	.00						TEH	TEC	.560	RBARH	78	C
43	92	.30	0	PCT	11	P2	AV3	.00						TEH	TEC	.560	RBARH	80	C
ROW	COL	VOLTS	DEG	IND	PER	CHN	LOCN	INCH1	INCH2	I	CRLEN	CRWID	CEG	BEGT	ENDT	PDIA	PTYPE	CAL	L1

TABLE 4 - SG 4 PERCENT WALL THICKNESS PENETRATION FOR EACH INDICATION

SG - 4 LISTING OF U1R12 PERCENT THROUGH WALL INDICATIONS (TECH SPEC REPORTING REQUIREMENT)																			
Vogtle 1 U1R12		GAE 20050301										03/31/2005 22:35:15							
ROW	COL	VOLTS	DEG	IND	PER	CHN	LOCN	INCH1	INCH2	I	CRLEN	CRWID	CEG	BEGT	ENDT	PDIA	PTYPE	CAL	L
40	93	.27	0	PCT	10	P2	AV2	.00						TEH	TEC	.560	RBARH	78	C
40	93	.31	0	PCT	11	P2	AV5	-.13						TEH	TEC	.560	RBARH	78	C
40	95	.27	0	PCT	10	P2	AV2	.15						TEH	TEC	.560	RBARH	78	C
40	95	.30	0	PCT	11	P2	AV3	-.18						TEH	TEC	.560	RBARH	78	C
40	95	.95	0	PCT	25	P2	AV4	.00						TEH	TEC	.560	RBARH	78	C
40	95	.33	0	PCT	12	P2	AV5	-.05						TEH	TEC	.560	RBARH	78	C
49	95	.24	0	PCT	10	P2	AV3	.00						TEH	TEC	.560	RBARH	74	C
38	96	.20	0	PCT	9	P2	AV2	-.31						TEH	TEC	.560	RBARH	88	C
38	96	.10	0	PCT	5	P2	AV4	-.17						TEH	TEC	.560	RBARH	88	C
38	96	.19	0	PCT	9	P2	AV5	.17						TEH	TEC	.560	RBARH	88	C
44	96	.17	0	PCT	8	P2	AV2	.00						TEH	TEC	.560	RBARH	88	C
44	96	.76	0	PCT	24	P2	AV3	.00						TEH	TEC	.560	RBARH	88	C
44	96	.76	0	PCT	23	P2	AV4	.00						TEH	TEC	.560	RBARH	88	C
44	96	.32	0	PCT	13	P2	AV6	.00						TEH	TEC	.560	RBARH	88	C
41	97	.40	0	PCT	14	P2	AV5	-.10						TEH	TEC	.560	RBARH	86	C
44	97	.42	0	PCT	15	P2	AV2	.10						TEH	TEC	.560	RBARH	86	C
44	97	.68	0	PCT	20	P2	AV4	-.17						TEH	TEC	.560	RBARH	86	C
44	97	.83	0	PCT	23	P2	AV5	.02						TEH	TEC	.560	RBARH	86	C
48	97	.32	0	PCT	12	P2	AV6	.00						TEH	TEC	.560	RBARH	76	C
44	99	.28	0	PCT	10	P2	AV6	-.18						TEH	TEC	.560	RBARH	86	C
40	100	.28	0	PCT	10	P2	AV2	-.03						TEH	TEC	.560	RBARH	86	C
40	100	.22	0	PCT	8	P2	AV3	-.05						TEH	TEC	.560	RBARH	86	C
40	100	.28	0	PCT	10	P2	AV4	-.13						TEH	TEC	.560	RBARH	86	C
40	100	.28	0	PCT	10	P2	AV5	-.13						TEH	TEC	.560	RBARH	86	C
40	100	.32	0	PCT	11	P2	AV6	-.05						TEH	TEC	.560	RBARH	86	C
42	100	.46	0	PCT	16	P2	AV2	.00						TEH	TEC	.560	RBARH	86	C
42	100	.27	0	PCT	10	P2	AV3	-.08						TEH	TEC	.560	RBARH	86	C
42	100	.55	0	PCT	18	P2	AV4	.05						TEH	TEC	.560	RBARH	86	C
42	101	.32	0	PCT	12	P2	AV3	.00						TEH	TEC	.560	RBARH	86	C
42	101	.61	0	PCT	19	P2	AV4	-.03						TEH	TEC	.560	RBARH	86	C
42	101	.67	0	PCT	20	P2	AV5	.00						TEH	TEC	.560	RBARH	86	C
43	101	.44	0	PCT	15	P2	AV4	.00						TEH	TEC	.560	RBARH	86	C
43	101	.91	0	PCT	25	P2	AV5	.03						TEH	TEC	.560	RBARH	86	C
45	101	.32	0	PCT	12	P2	AV1	.00						TEH	TEC	.560	RBARH	86	C
45	101	.26	0	PCT	9	P2	AV5	-.45						TEH	TEC	.560	RBARH	86	C
45	101	.14	0	PCT	5	P2	AV5	.10						TEH	TEC	.560	RBARH	86	C
38	103	.32	0	PCT	12	P2	AV4	-.05						TEH	TEC	.560	RBARH	86	C
36	104	.35	0	PCT	12	P2	AV2	-.48						TEH	TEC	.560	RBARH	86	C
36	104	.23	0	PCT	9	P2	AV3	.00						TEH	TEC	.560	RBARH	86	C
36	104	.25	0	PCT	9	P2	AV5	.00						TEH	TEC	.560	RBARH	86	C
38	104	.26	0	PCT	11	P2	AV3	.10						TEH	TEC	.560	RBARH	94	C
38	104	.54	0	PCT	18	P2	AV4	.00						TEH	TEC	.560	RBARH	94	C
38	104	.29	0	PCT	12	P2	AV5	.13						TEH	TEC	.560	RBARH	94	C
42	104	.47	0	PCT	17	P2	AV3	.00						TEH	TEC	.560	RBARH	96	C
42	104	.33	0	PCT	13	P2	AV4	.09						TEH	TEC	.560	RBARH	96	C
36	105	.27	0	PCT	11	P2	AV2	.00						TEH	TEC	.560	RBARH	94	C
36	105	.33	0	PCT	13	P2	AV5	.10						TEH	TEC	.560	RBARH	94	C
40	105	.26	0	PCT	11	P2	AV2	.03						TEH	TEC	.560	RBARH	94	C
40	105	.48	0	PCT	17	P2	AV4	.00						TEH	TEC	.560	RBARH	94	C
40	105	.60	0	PCT	20	P2	AV5	.08						TEH	TEC	.560	RBARH	94	C
41	105	.22	0	PCT	9	P2	AV3	-.08						TEH	TEC	.560	RBARH	94	C
32	106	.29	0	PCT	12	P2	AV3	.00						TEH	TEC	.560	RBARH	94	C
36	106	.23	0	PCT	10	P2	AV5	-.03						TEH	TEC	.560	RBARH	94	C
40	106	.38	0	PCT	14	P2	AV3	-.05						TEH	TEC	.560	RBARH	94	C
40	106	.53	0	PCT	18	P2	AV4	.05						TEH	TEC	.560	RBARH	94	C
40	106	.38	0	PCT	14	P2	AV5	.13						TEH	TEC	.560	RBARH	94	C
ROW	COL	VOLTS	DEG	IND	PER	CHN	LOCN	INCH1	INCH2	I	CRLEN	CRWID	CEG	BEGT	ENDT	PDIA	PTYPE	CAL	L

TABLE 4 - SG 4 PERCENT WALL THICKNESS PENETRATION FOR EACH INDICATION

SG - 4 LISTING OF UIR12 PERCENT THROUGH WALL INDICATIONS (TECH SPEC REPORTING REQUIREMENT)

Vogtle 1 UIR12

GAE 20050301

03/31/2005 22:35:15

ROW	COL	VOLTS	DEG	IND	PER	CHN	LOCN	INCH1	INCH2	I	CRLEN	CRWID	CEG	BEGT	ENDT	PDIA	PTYPE	CAL	LJ
36	107	.32	0	PCT	13	P2	AV3	.00						TEH	TEC	.560	RBARH	94	C
38	107	.22	0	PCT	8	P2	AV1	.00						TEH	TEC	.560	RBARH	94	C
38	107	.61	0	PCT	20	P2	AV3	.00						TEH	TEC	.560	RBARH	94	C
38	107	.54	0	PCT	18	P2	AV4	-.05						TEH	TEC	.560	RBARH	94	C
38	107	2.06	0	PCT	38	P2	AV5	.00						TEH	TEC	.560	RBARH	94	C
39	107	.27	0	PCT	11	P2	AV3	.00						TEH	TEC	.560	RBARH	96	C
33	108	.30	0	PCT	12	P2	AV3	-.10						TEH	TEC	.560	RBARH	96	C
38	108	.43	0	PCT	16	P2	AV4	-.05						TEH	TEC	.560	RBARH	94	C
36	109	.30	0	PCT	12	P2	AV3	.00						TEH	TEC	.560	RBARH	94	C
32	110	.30	0	PCT	12	P2	AV3	.03						TEH	TEC	.560	RBARH	94	C
33	110	.54	0	PCT	19	P2	AV3	.00						TEH	TEC	.560	RBARH	96	C
33	110	.22	0	PCT	9	P2	AV5	.00						TEH	TEC	.560	RBARH	96	C
33	110	.17	0	PCT	7	P2	AV6	.00						TEH	TEC	.560	RBARH	96	C
32	111	.25	0	PCT	10	P2	AV1	.00						TEH	TEC	.560	RBARH	94	C
32	111	.40	0	PCT	15	P2	AV3	.00						TEH	TEC	.560	RBARH	94	C
32	111	.24	0	PCT	10	P2	AV4	.00						TEH	TEC	.560	RBARH	94	C
33	111	.53	0	PCT	18	P2	AV3	.12						TEH	TEC	.560	RBARH	96	C
33	111	.57	0	PCT	20	P2	AV4	.00						TEH	TEC	.560	RBARH	96	C
33	111	.53	0	PCT	19	P2	AV6	.00						TEH	TEC	.560	RBARH	96	C
30	113	.31	0	PCT	12	P2	AV5	.03						TEH	TEC	.560	RBARH	94	C
30	114	1.00	0	PCT	27	P2	AV5	.00						TEH	TEC	.560	RBARH	94	C

VEGP-1 TWELFTH MAINTENANCE / REFUELING OUTAGE  
CLASS 1 AND 2 WELD EXAMINATIONS

ASME SECTION XI ITEM NO./CAT.	RI ITEM / RI SEGMENT	AUGMENTED EXAMINATION REQUIREMENT(S)	COMPONENT OR WELD NO. / DESCRIPTION	EXAMINATION PROCEDURE(S)	CALIBRATION BLOCK(S)	EXAM SHEET NO(S).	RESULTS	REMARKS
--	R1.13		11208-005-CV110	ES-MISN-V-466		S05V1U563	T & C	INF - 105V1003
--	1CV-110		3" PIPE DS (FO-0200, 201, 202)					
B2.11			11201-V6-002-W05	ES-MISN-V-411	403A, 411A	S05V1U588	NRI	UT indications. Acceptable
B-B			LOWER SHELL TO LOWER HEAD WELD			S05V1U589	RI	
						S05V1U590	RI	
						S05V1U591	NRI	
						S05V1U592	NRI	
						S05V1U593	NRI	
						S05V1U594	RI	
						S05V1U595	NRI	
B2.12			11201-V6-002-W09	ES-MISN-V-411	403A	S05V1U562	NRI	NA
B-B			LOWER SHELL LONGITUDINAL WELD			S05V1U564	NRI	
						S05V1U565	NRI	
						S05V1U566	NRI	
B3.110		MT PER RR-7	11201-V6-002-W14	ES-MISN-V-411	411A	S05V1M001	NRI	NA
B-D			UPPER HEAD TO 4" SPRAY NOZZLE WELD	ES-MISN-V-505		S05V1U574	NRI	
						S05V1U575	NRI	
						S05V1U576	NRI	
						S05V1U577	NRI	
B3.110		MT PER RR-7	11201-V6-002-W16	ES-MISN-V-411	411A	S05V1M005	NRI	Limit exam, RR-7
B-D			14" SURGE NOZZLE WELD TO LOWER HEAD	ES-MISN-V-505		S05V1U583	NRI	
						S05V1U584	NRI	
						S05V1U585	NRI	
						S05V1U586	NRI	
B3.120			11201-V6-002-IR-05	ES-MISN-V-416	411A	S05V1U581	NRI	NA
B-D			4" SPRAY NOZZLE INNER RADIUS					
B3.140			11201-B6-001-IR-01	ES-MISN-V-715		S05V1V210	SAT	NA
B-D			INLET NOZZLE INNER RADIUS					

VEGP-1 TWELFTH MAINTENANCE / REFUELING OUTAGE  
CLASS 1 AND 2 WELD EXAMINATIONS

ASME SECTION XI ITEM NO./CAT.	RI ITEM / RI SEGMENT	AUGMENTED EXAMINATION REQUIREMENT(S)	COMPONENT OR WELD NO. / DESCRIPTION	EXAMINATION PROCEDURE(S)	CALIBRATION BLOCK(S)	EXAM SHEET NO(S).	RESULTS	REMARKS
B3.140 B-D			11201-B6-001-IR-02 OUTLET NOZZLE INNER RADIUS	ES-MISN-V-715		S05V1V212	SAT	NA
B3.140 B-D			11201-B6-004-IR-01 INLET NOZZLE INNER RADIUS	ES-MISN-V-715		S05V1V215	SAT	NA
B3.140 B-D			11201-B6-004-IR-02 OUTLET NOZZLE INNER RADIUS	ES-MISN-V-715		S05V1V216	SAT	NA
B5.40 B-F	R1.15 1RCS-041		11201-V6-002-W17 6" SAFETY NOZZLE TO SAFE END WELD	ES-MISN-V-404 ES-MISN-V-605 ES-MISN-V-715	324A, 355A	S05V1V086	SAT	NA
B5.40 B-F	R1.15 1RCS-035		11201-V6-002-W18 6" SAFETY NOZZLE TO SAFE END WELD	ES-MISN-V-404 ES-MISN-V-605 ES-MISN-V-715	324A, 355A	S05V1V087	SAT	NA
B5.40 B-F	R1.15 1RCS-036		11201-V6-002-W19 6" SAFETY NOZZLE TO SAFE END	ES-MISN-V-404 ES-MISN-V-605 ES-MISN-V-715	324A, 355A	S05V1V088	SAT	NA
B5.40 B-F	R1.15 1RCS-037		11201-V6-002-W20 6" RELIEF NOZZLE TO SAFE END WELD	ES-MISN-V-404 ES-MISN-V-605 ES-MISN-V-715	324A, 355A	S05V1V089	SAT	NA
B5.40 B-F	R1.15 1RCS-019A		11201-V6-002-W21 4" SPRAY NOZZLE TO SAFE END WELD	ES-MISN-V-404 ES-MISN-V-605 ES-MISN-V-715	326A, 356A	S05V1U548 S05V1U549 S05V1U550 S05V1U551 S05V1V090	NRI NRI NRI NRI SAT	NA

VEGP-1 TWELFTH MAINTENANCE / REFUELING OUTAGE  
CLASS 1 AND 2 WELD EXAMINATIONS

ASME SECTION XI ITEM NO./CAT.	RI ITEM / RI SEGMENT	AUGMENTED EXAMINATION REQUIREMENT(S)	COMPONENT OR WELD NO. / DESCRIPTION	EXAMINATION PROCEDURE(S)	CALIBRATION BLOCK(S)	EXAM SHEET NO(S).	RESULTS	REMARKS
B5.40 B-F	R1.15 1RCS-027		11201-V6-002-W22 14" SAFE END WELD TO SURGE NOZZLE	ES-MISN-V-605 ES-MISN-V-715	315A, 357A	S05V1V112	SAT	UT exam deferred to 1R13
B6.180 B-G-1			11201-P6-002-B01 THRU B24 MAIN FLANGE BOLTS	ES-MISN-V-422	416A	S05V1U561	NRI	NA
B7.30 B-G-2			11201-B6-004-B01 THRU B32 PRIMARY MANWAY BOLTING	ES-MISN-V-715		S05V1V093	SAT	NA
B7.50 B-G-2			11204-078-8 FB 1.5" FLANGE BOLT ASSEMBLY FOR FE-0925	ES-MISN-V-715		S05V1V057	SAT	NA
B7.50 B-G-2			11204-079-12 FB 1.5" FLANGE BOLT ASSEMBLY FOR FE-0926	ES-MISN-V-715		S05V1V058	SAT	NA
B7.50 B-G-2			11208-043-5 FB 1.5" FLANGE BOLT ASSEMBLY FOR RC PUMP 002	ES-MISN-V-715		S05V1V099	SAT	NA
B7.50 B-G-2			11208-045-14 FB 1.5" FLANGE BOLT ASSEMBLY FOR RC PUMP 003	ES-MISN-V-715		S05V1V098	SAT	NA
B7.60 B-G-2			11201-P6-002-B25 THRU B32 1.5" DIA. SEALWATER HOUSING CAP SCREWS	ES-MISN-V-715		S05V1V101	SAT	NA
B7.60 B-G-2			11201-P6-002-B33 THRU B48 2" DIAMETER SEAL- WATER HOUSING BOLTS	ES-MISN-V-715		S05V1V102	SAT	NA
B7.70 B-G-2			11204U6085 VALVE BOLTING (ISI-11204-126)	ES-MISN-V-715		S05V1V091	SAT	NA



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CLASS 1 AND 2 WELD EXAMINATIONS

ASME SECTION XI ITEM NO./CAT.	RI ITEM / RI SEGMENT	AUGMENTED EXAMINATION REQUIREMENT(S)	COMPONENT OR WELD NO. / DESCRIPTION	EXAMINATION PROCEDURE(S)	CALIBRATION BLOCK(S)	EXAM SHEET NO(S).	RESULTS	REMARKS
B7.70 B-G-2			11204U6126 VALVE BOLTING (ISI-11204-023)	ES-MISN-V-715		S05V1V092	SAT	NA
B7.70 B-G-2			11204U6150 VALVE BOLTING (ISI-11204-045 )	ES-MISN-V-715		S05V1V059	SAT	NA
B8.20 B-H			11201-V6-002-W35 SUPPORT SKIRT WELD	ES-MISN-V-404 ES-MISN-V-505		S05V1M002 S05V1U582	NRI NRI	NA
B9.11 B-J	R1.11 1RCS-006		11201-006-1 31" NOZZLE TO ELBOW	ES-MISN-V-406 ES-MISN-V-605	329A	S05V1U606 S05V1U607	NRI NRI	Limited exam due to nozzle configuration. RR-10
B9.11 B-J	R1.11 1RCS-007		11201-007-1 31" NOZZLE TO ELBOW	ES-MISN-V-406 ES-MISN-V-605	329A	S05V1U608 S05V1U609	NRI NRI	Limited exam due to nozzle configuration. RR-10
B9.11 B-J	R1.16 1SI-059A		11204-021-16 6" PIPE TO VALVE	ES-MISN-V-481	304A	S05V1U559 S05V1U560	NRI RI	Limited exam 50% RR- Required
B9.11 B-J	R1.11 1RCS-051		11204-024-19 6" PIPE TO BRANCH CONNECTION	ES-MISN-V-481 ES-MISN-V-605	304A	S05V1U571	NRI	NA
B9.11 B-J	R1.11 1RCS-052		11204-025-23 6" PIPE TO ELBOW	ES-MISN-V-481	304A	S05V1U570	NRI	NA
B9.21 B-J	R1.11 1RCS-013		11201-031-2 2" PIPE TO ELBOW	ES-MISN-V-481	346A	S05V1U527 S05V1U528 S05V1U539	NRI NRI T & C	Scan per MRP-24 recommendation.
B9.21 B-J	R1.11 1RCS-013		11201-031-3 2" ELBOW TO PIPE	ES-MISN-V-481	346A	S05V1U529 S05V1U540	NRI T & C	Scan per MRP-24 recommendation.

VEGP-1 TWELFTH MAINTENANCE / REFUELING OUTAGE  
CLASS 1 AND 2 WELD EXAMINATIONS

ASME SECTION XI ITEM NO./CAT.	RI ITEM / RI SEGMENT	AUGMENTED EXAMINATION REQUIREMENT(S)	COMPONENT OR WELD NO. / DESCRIPTION	EXAMINATION PROCEDURE(S)	CALIBRATION BLOCK(S)	EXAM SHEET NO(S).	RESULTS	REMARKS
B9.21 B-J	R1.11 1RCS-014		11201-042-2 2" PIPE TO ELBOW	ES-MISN-V-481		S05V1U530 S05V1U531 S05V1U541	NRI NRI T & C	Scan per MRP-24 recommendation.
B9.21 B-J	R1.11 1RCS-014		11201-042-3 2" ELBOW TO PIPE	ES-MISN-V-481		S05V1U532 S05V1U542	NRI T & C	Scan per MRP-24 recommendation.
B9.21 B-J	R1.11 1RCS-015		11201-046-2 2" PIPE TO ELBOW	ES-MISN-V-481		S05V1U533 S05V1U534 S05V1U543	NRI NRI T & C	Scan per MRP-24 recommendation.
B9.21 B-J	R1.11 1RCS-015		11201-046-3 2" ELBOW TO PIPE	ES-MISN-V-481		S05V1U535 S05V1U544 S05V1U545	NRI T & C T & C	Scan per MRP-24 recommendation.
B9.21 B-J	R1.11 1RCS-026		11201-048-1 3" BRANCH CONNECTION TO PIPE (AI 87-0131)	ES-MISN-V-481 ES-MISN-V-605		S05V1U572 S05V1U573	RI T & C	NA
B9.21 B-J	R1.11 1RCS-016		11201-051-2 2" PIPE TO ELBOW	ES-MISN-V-481 ES-MISN-V-605		S05V1U536 S05V1U537 S05V1U546	NRI NRI T & C	Scan per MRP-24 recommendation.
B9.21 B-J	R1.11 1RCS-016		11201-051-3 2" ELBOW TO PIPE	ES-MISN-V-481 ES-MISN-V-605		S05V1U538 S05V1U547	NRI T & C	Scan per MRP-24 recommendation.
B9.21 B-J	R1.11 1RCS-058		11208-007-6 3" PIPE TO BRANCH CONNECTION	ES-MISN-V-404 ES-MISN-V-605	334A	S05V1U605 S05V1U610	NRI T & C	NA
B13.10 B-N-1		FSAR 5.3.3.7	11201-V6-001-I02 VESSEL CLOSURE HEAD INTERIOR (FSAR 5.3.3.7)	ES-MISN-V-735		S05V1V095	SAT	NA
B14.10 B-O			11201-V6-001-W184 CRD HOUSING WELD	ES-MISN-V-605		S05V1P014	RI	Rounded 0.1" IND. Acceptable

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CLASS 1 AND 2 WELD EXAMINATIONS

ASME SECTION XI ITEM NO./CAT.	RI ITEM / RI SEGMENT	AUGMENTED EXAMINATION REQUIREMENT(S)	COMPONENT OR WELD NO. / DESCRIPTION	EXAMINATION PROCEDURE(S)	CALIBRATION BLOCK(S)	EXAM SHEET NO(S).	RESULTS	REMARKS
B14.10 B-O			11201-V6-001-W188 CRD HOUSING WELD	ES-MISN-V-605		S05V1P015	NRI	NA
B16.20 B-Q		TS 5.5.9, FREQUEN	11201-B6-001-T01 TUBING - ENTIRE LENGTH OF SELECTED TUBES	VENDOR	806A-D, 807A,B			Performed by Westinghouse.
B16.20 B-Q		TS 5.5.9, FREQUEN	11201-B6-002-T01 TUBING - ENTIRE LENGTH OF SELECTED TUBES	VENDOR	806A-D, 807A,B			Performed by Westinghouse.
B16.20 B-Q		TS 5.5.9, FREQUEN	11201-B6-003-T01 TUBING - ENTIRE LENGTH OF SELECTED TUBES	VENDOR	806A-D, 807A,B			Performed by Westinghouse.
B16.20 B-Q		TS 5.5.9, FREQUEN	11201-B6-004-T01 TUBING - ENTIRE LENGTH OF SELECTED TUBES	VENDOR	806A-D, 807A,B			Performed by Westinghouse.
C1.10 C-A			11201-B6-002-W04 TRANSITION CONE TO LOWER CONE END STUB BARREL WELD	ES-MISN-V-411	409A	S05V1U596 S05V1U597 S05V1U598 S05V1U599	NRI NRI NRI NRI	NA
C1.10 C-A			11201-B6-003-W05 LOWER CONE END STUB BARREL TO LOWER SHELL BARREL"B	ES-MISN-V-411	409A	S05V1U552 S05V1U553 S05V1U554 S05V1U555	NRI NRI NRI NRI	NA
C1.20 C-A			11204-V6-001-W02 VESSEL HEAD TO VESSEL SHELL	ES-MISN-V-411	418A	S05V1U515 S05V1U516 S05V1U517 S05V1U518	NRI NRI NRI NRI	Limited exam 57%, RR-14

VEGP-1 TWELFTH MAINTENANCE / REFUELING OUTAGE  
CLASS 1 AND 2 WELD EXAMINATIONS

ASME SECTION XI ITEM NO./CAT.	RI ITEM / RI SEGMENT	AUGMENTED EXAMINATION REQUIREMENT(S)	COMPONENT OR WELD NO. / DESCRIPTION	EXAMINATION PROCEDURE(S)	CALIBRATION BLOCK(S)	EXAM SHEET NO(S).	RESULTS	REMARKS
C2.21 C-B			11201-B6-002-W19 16" MAIN FEEDWATER NOZZLE TO SHELL WELD	ES-MISN-V-411 ES-MISN-V-505	409A	S05V1M003 S05V1U600 S05V1U601 S05V1U602 S05V1U603	NRI NRI NRI NRI NRI	NA
C2.21 C-B			11205-E6-002-W04 14" INLET NOZZLE TO TUBE SIDE SHELL WELD	ES-MISN-V-404 ES-MISN-V-605	412A	S05V1P003 S05V1U502 S05V1U503	NRI NRI NRI	Limited exam, 41.5%. RR- Required
C2.21 C-B			11205-E6-002-W05 14" OUTLET NOZZLE TO TUBE SIDE SHELL WELD	ES-MISN-V-404 ES-MISN-V-605	412A	S05V1P004 S05V1U504 S05V1U505	NRI NRI NRI	Limited exam, 41.5%. RR- Required
C2.22 C-B			11201-B6-002-IR04 MAIN FEEDWATER NOZZLE INNER RADIUS	ES-MISN-V-416	409A	S05V1U604	NRI	NA
C3.10 C-C			11204-V6-001-W05 VESSEL SUPPORT PAD WELDED ATTACHMENT	ES-MISN-V-605		S05V1P011	NRI	Limited exam 64%, RR-14
C3.20 C-C			11204-012-35 SUPPORT H002	ES-MISN-V-605		S05V1P002	NI	NA
C3.20 C-C			11204-041-50 SUPPORT H027	ES-MISN-V-605		S05V1P012	NRI	NA
C3.20 C-C			11204-063-24 SUPPORT H006	ES-MISN-V-605		S05V1P008	NRI	NA
C3.20 C-C			11205-003-55 SUPPORT H012	ES-MISN-V-605		S05V1P005	NRI	NA
C3.20 C-C			11205-008-34 SUPPORT H030	ES-MISN-V-605		S05V1P001	NRI	NA

VEGP-1 TWELFTH MAINTENANCE / REFUELING OUTAGE  
CLASS 1 AND 2 WELD EXAMINATIONS

ASME SECTION XI ITEM NO./CAT.	RI ITEM / RI SEGMENT	AUGMENTED EXAMINATION REQUIREMENT(S)	COMPONENT OR WELD NO. / DESCRIPTION	EXAMINATION PROCEDURE(S)	CALIBRATION BLOCK(S)	EXAM SHEET NO(S).	RESULTS	REMARKS
C3.20 C-C			11206-003-2 SUPPORT H001	ES-MISN-V-605		S05V1P006	NRI	NA
C3.20 C-C			11206-005-14 SUPPORT H004	ES-MISN-V-605		S05V1P007	NRI	NA
C3.20 C-C			11208-137-25 SUPPORT H006	ES-MISN-V-605		S05V1P009	NRI	NA
C3.20 C-C			11208-411-46 SUPPORT H031	ES-MISN-V-605		S05V1P010	NRI	NA
C3.20 C-C			11301-001-4 SUPPORT H003	ES-MISN-V-505		S05V1M004	NRI	NA
C4.30 C-D			11204-P6-003-B01 THRU B32 PUMP CASING STUDS	ES-MISN-V-422	415A	S05V1U519	NRI	NA
C5.11 C-F-1	R1.11 1RHR-011A		11205-007-17 8" TEE TO PIPE (AI 87-0131)	ES-MISN-V-481 ES-MISN-V-605	414A	S05V1U508 S05V1U509	NRI NRI	NA
C5.11 C-F-1	R1.11 1RHR-012A		11205-008-17 8" TEE TO PIPE	ES-MISN-V-481	414A	S05V1U506 S05V1U507	NRI NRI	NA
C5.21 C-F-1	R1.11 1SI-064		11204-063-28 4" VALVE TO PIPE	ES-MISN-V-481	303A	S05V1U513 S05V1U514	NRI NRI	Limited exam 50% RR- Required
C5.51 C-F-2	R1.11 1MS-007D	TS 5.5.16 (AUGMEN	11301-004-1 PENETRATION TO 28" PIPE (TS 5.5.16)	ES-MISN-V-480 ES-MISN-V-505	313A	S05V1U520	NRI	NA
C5.51 C-F-2	R1.11 1MS-007D	TS 5.5.16 (AUGMEN	11301-004-2 28" PIPE TO PIPE (TS 5.5.16)	ES-MISN-V-480 ES-MISN-V-505	313A	S05V1U521	NRI	NA

VEGP-1 TWELFTH MAINTENANCE / REFUELING OUTAGE  
CLASS 1 AND 2 WELD EXAMINATIONS

ASME SECTION XI ITEM NO./CAT.	RI ITEM / RI SEGMENT	AUGMENTED EXAMINATION REQUIREMENT(S)	COMPONENT OR WELD NO. / DESCRIPTION	EXAMINATION PROCEDURE(S)	CALIBRATION BLOCK(S)	EXAM SHEET NO(S).	RESULTS	REMARKS
C5.51 C-F-2	R1.11 1MS-007D	TS 5.5.16 (AUGMEN	11301-004-3 28" PIPE TO 29 1/2" PIPE (TS 5.5.16)	ES-MISN-V-480 ES-MISN-V-505	313A, 314A	S05V1U522 S05V1U523	NRI NRI	NA
C5.51 C-F-2	R1.11 1MS-007D	TS 5.5.16 (AUGMEN	11301-004-5 29 1/2" PIPE TO VALVE (TS 5.5.16)	ES-MISN-V-480 ES-MISN-V-505	314A	S05V1U524 S05V1U525	NRI NRI	Limited exam 82%, RR-16
C5.51 C-F-2	R1.13 1FW-014A	TS 5.5.16 (AUGMEN	11305-058-7 16" VALVE TO PIPE (TS 5.5.16)	ES-MISN-V-480 ES-MISN-V-505	311A	S05V1U526	NRI	NA

VEGP-1 TWELFTH MAINTENANCE / REFUELING OUTAGE  
CLASS 1 2 SUPPORT EXAMINATIONS

ASME SECTION XI CATEGORY	ISI CLASS	NPS (IN.)	SUPPORT NUMBER DESCRIPTION	EXAMINATION PROCEDURE(S)	EXAM SHEET	RESULTS	REMARKS
F-A	1	0	11201-B6-004-S01 STEAM GEN SUPP	ES-MISN-V-735	S05V1V125	SAT	NA
F-A	1	0	11201-B6-004-S02 STEAM GEN SUPP	ES-MISN-V-735	S05V1V126	SAT	NA
F-A	1	0	11201-B6-004-S03 STEAM GEN SUPP	ES-MISN-V-735	S05V1V127	SAT	NA
F-A	1	0	11201-B6-004-S04 STEAM GEN SUPP	ES-MISN-V-735	S05V1V128	SAT	NA
F-A	1	0	11201-B6-004-S11 LOWER LAT SUPP	ES-MISN-V-735	S05V1V122	SAT	NA
F-A	1	0	11201-B6-004-S12 LOWER LAT SUPP	ES-MISN-V-735	S05V1V123	SAT	NA
F-A	1	0	11201-B6-004-S13 LOWER LAT SUPP	ES-MISN-V-735	S05V1V124	SAT	NA
F-A	1	4	11201-030-H017 LIN RESTRAINT	ES-MISN-V-735	S05V1V162	SAT	NA
F-A	1	4	11201-030-H021 LIN RESTRAINT	ES-MISN-V-735	S05V1V163	SAT	NA
F-A	1	4	11201-030-H024 RIGID STRUT	ES-MISN-V-735	S05V1V165	SAT	NA
F-A	1	4	11201-030-H025 VAR SPRING	ES-MISN-V-735	S05V1V229	SAT	NA
F-A	1	6	11201-030-H026 MECH SNUBBER	ES-MISN-V-735	S05V1V108	SAT	NA
F-A	1	6	11201-030-H030 RIGID STRUT	ES-MISN-V-735	S05V1V164	SAT	NA
F-A	1	3	11201-048-H002 MECH SNUBBER	ES-MISN-V-735	S05V1V154	SAT	NA

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CLASS 1 2 SUPPORT EXAMINATIONS

ASME SECTION XI CATEGORY	ISI CLASS	NPS (IN.)	SUPPORT NUMBER DESCRIPTION	EXAMINATION PROCEDURE(S)	EXAM SHEET	RESULTS	REMARKS
F-A	1	12	11201-049-H002 MECH SNUBBER	ES-MISN-V-735	S05V1V150	SAT	NA
F-A	1	12	11201-049-H003 VAR SPRING	ES-MISN-V-735	S05V1V217	SAT	NA
F-A	1	12	11201-049-H010 MECH SNUBBER	ES-MISN-V-735	S05V1V149	SAT	NA
F-A	1	12	11201-049-H012 RIGID STRUT	ES-MISN-V-735	S05V1V197	SAT	NA
F-A	1	12	11201-049-H014 RIGID STRUT	ES-MISN-V-735	S05V1V200	SAT	NA
F-A	1	2	11201-051-H001 MECH SNUBBER	ES-MISN-V-735	S05V1V151	SAT	NA
F-A	1	2	11201-051-H005 LIN RESTRAINT	ES-MISN-V-735	S05V1V096	SAT	NA
F-A	1	2	11201-051-H008 MECH SNUBBER	ES-MISN-V-735	S05V1V148	SAT	NA
F-A	1	16	11201-053-H006 MECH SNUBBER	ES-MISN-V-735	S05V1V147	SAT	NA
F-A	1	6	11204-023-H004 VAR SPRING	ES-MISN-V-735	S05V1V097	SAT	NA
F-A	1	2	11204-024-H032 RIGID STRUT	ES-MISN-V-735	S05V1V158	SAT	NA
F-A	1	2	11204-024-H033 RIGID STRUT	ES-MISN-V-735	S05V1V159	SAT	NA
F-A	1	2	11204-024-H034 RIGID STRUT	ES-MISN-V-735	S05V1V160	SAT	NA
F-A	1	6	11204-024-H037 RIGID STRUT	ES-MISN-V-735	S05V1V161	SAT	NA



VEGP-1 TWELFTH MAINTENANCE / REFUELING OUTAGE  
CLASS 1 2 SUPPORT EXAMINATIONS

ASME SECTION XI CATEGORY	ISI CLASS	NPS (IN.)	SUPPORT NUMBER DESCRIPTION	EXAMINATION PROCEDURE(S)	EXAM SHEET	RESULTS	REMARKS
F-A	1	2	11204-034-H001 LIN RESTRAINT	ES-MISN-V-735	S05V1V218	SAT	NA
F-A	1	2	11204-034-H002 MECH SNUBBER	ES-MISN-V-735	S05V1V145	SAT	NA
F-A	1	6	11204-045-H018 RIGID STRUT	ES-MISN-V-735	S05V1V109	SAT	NA
F-A	1	6	11204-045-H019 LIN RESTRAINT	ES-MISN-V-735	S05V1V110	SAT	NA
F-A	1	6	11204-045-H021 LIN RESTRAINT	ES-MISN-V-735	S05V1V111	SAT	NA
F-A	1	6	11204-045-H022 LIN RESTRAINT	ES-MISN-V-735	S05V1V113	SAT	NA
F-A	1	6	11204-045-H023 RIGID STRUT	ES-MISN-V-735	S05V1V114	SAT	NA
F-A	1	6	11204-045-H024 LIN RESTRAINT	ES-MISN-V-735	S05V1V115	SAT	NA
F-A	1	6	11204-045-H025 LIN RESTRAINT	ES-MISN-V-735	S05V1V116	SAT	NA
F-A	1	3	11208-001-H026 RIGID STRUT	ES-MISN-V-735	S05V1V157	SAT	NA
F-A	1	3	11208-001-H032 MECH SNUBBER	ES-MISN-V-735	S05V1V143	SAT	NA
F-A	1	1.5	11208-045-H014 LIN RACK 2-D	ES-MISN-V-735	S05V1V155	SAT	NA
F-A	1	1.5	11208-045-H017 LIN RACK 2-D	ES-MISN-V-735	S05V1V156	SAT	NA
F-A	1	1.5	11208-047-H006 MECH SNUBBER	ES-MISN-V-735	S05V1V142	SAT	NA

VEGP-1 TWELFTH MAINTENANCE / REFUELING OUTAGE  
CLASS 1 2 SUPPORT EXAMINATIONS

ASME SECTION XI CATEGORY	ISI CLASS	NPS (IN.)	SUPPORT NUMBER DESCRIPTION	EXAMINATION PROCEDURE(S)	EXAM SHEET	RESULTS	REMARKS
F-A	2	0	11201-B6-004-S06 HYDRAULIC SNUBBER	ES-MISN-V-735	S05V1V120	SAT	NA
F-A	2	0	11201-B6-004-S08 HYDRAULIC SNUBBER	ES-MISN-V-735	S05V1V119	SAT	NA
F-A	2	0	11201-B6-004-S10 UPPER SUPP FRAME	ES-MISN-V-735	S05V1V121	SAT	NA
F-A	2	0	11204-P6-003-S01 PUMP SUPPORT	ES-MISN-V-735	S05V1V042	SAT	NA
F-A	2	0	11208-P6-002-S01 SUPPORT BASE	ES-MISN-V-735	S05V1V138	SAT	NA
F-A	2	24	11204-006-H604 VAR SPRING	ES-MISN-V-735	S05V1V245	SAT	NA
F-A	2	8	11204-012-H027 LIN RACK 1-D	ES-MISN-V-735	S05V1V192	SAT	NA
F-A C-C	2	6	11204-041-H021 ANCHOR	ES-MISN-V-735	S05V1V060	SAT	NA
F-A	2	6	11204-041-H034 RIGID STRUT	ES-MISN-V-735	S05V1V061	SAT	NA
F-A	2	6	11204-041-H040 LIN RACK 2-D	ES-MISN-V-735	S05V1V062	SAT	NA
F-A	2	6	11204-041-H041 RIGID STRUT	ES-MISN-V-735	S05V1V198	SAT	NA
F-A C-C	2	4	11204-063-H006 LIN RESTRAINT	ES-MISN-V-735	S05V1V051	SAT	NA
F-A	2	12	11204-201-H006 RIGID STRUT	ES-MISN-V-735	S05V1V136	SAT	NA

VEGP-1 TWELFTH MAINTENANCE / REFUELING OUTAGE  
CLASS 1 2 SUPPORT EXAMINATIONS

ASME SECTION XI CATEGORY	ISI CLASS	NPS (IN.)	SUPPORT NUMBER DESCRIPTION	EXAMINATION PROCEDURE(S)	EXAM SHEET	RESULTS	REMARKS
F-A	2	14	11205-003-H004 VAR SPRING	ES-MISN-V-735	S05V1V196	SAT	NA
F-A C-C	2	14	11205-003-H012 RIGID STRUT	ES-MISN-V-735	S05V1V022 S05V1V208	SAT SAT	INF - I05V1001 Frozen Bearing.
F-A	2	14	11205-003-H013 RIGID STRUT	ES-MISN-V-735	S05V1V104	SAT	NA
F-A	2	8	11205-007-H001 LIN RESTRAINT	ES-MISN-V-735	S05V1V105	SAT	NA
F-A	2	8	11205-007-H058 LIN RACK 2-D	ES-MISN-V-735	S05V1V202	SAT	NA
F-A C-C	2	8	11205-008-H030 LIN RACK 3-D	ES-MISN-V-735	S05V1V040	SAT	NA
F-A C-C	2	12	11206-002-H013T MECH SNUBBER	ES-MISN-V-735	S05V1V144	SAT	NA
F-A	2	12	11206-002-H027 MECH SNUBBER	ES-MISN-V-735	S05V1V064	SAT	NA
F-A C-C	2	8	11206-005-H004 RIGID STRUT	ES-MISN-V-735	S05V1V063	SAT	NA
F-A	2	8	11206-005-H009 MECH SNUBBER	ES-MISN-V-735	S05V1V199	SAT	NA
F-A	2	8	11206-005-H011 LIN RESTRAINT	ES-MISN-V-735	S05V1V201	SAT	NA
F-A	2	8	11206-005-H021 LIN RESTRAINT	ES-MISN-V-735	S05V1V141	SAT	NA

VEGP-1 TWELFTH MAINTENANCE / REFUELING OUTAGE  
CLASS 1 2 SUPPORT EXAMINATIONS

ASME SECTION XI CATEGORY	ISI CLASS	NPS (IN.)	SUPPORT NUMBER DESCRIPTION	EXAMINATION PROCEDURE(S)	EXAM SHEET	RESULTS	REMARKS
F-A	2	8	11206-005-H023 LIN RESTRAINT	ES-MISN-V-735	S05V1V035	SAT	NA
F-A C-C	2	8	11206-006-H002 LIN RESTRAINT	ES-MISN-V-735	S05V1V225	SAT	NA
F-A	2	8	11206-006-H004 LIN RESTRAINT	ES-MISN-V-735	S05V1V191	SAT	NA
F-A	2	8	11206-006-H010 LIN RESTRAINT	ES-MISN-V-735	S05V1V177	SAT	NA
F-A C-C	2	8	11206-007-H021 LIN RESTRAINT	ES-MISN-V-735	S05V1V226	SAT	NA
F-A	2	10	11206-008-H082 VAR SPRING	ES-MISN-V-735	S05V1V231	SAT	NA
F-A	2	3	11208-003-H054 LIN RESTRAINT	ES-MISN-V-735	S05V1V103	SAT	NA
F-A	2	6	11208-139-H016 VAR SPRING	ES-MISN-V-735	S05V1V248	SAT	NA
F-A	2	6	11208-141-H006 RIGID STRUT	ES-MISN-V-735	S05V1V140	SAT	NA
F-A	2	4	11208-144-H001 LIN RACK 1-D	ES-MISN-V-735	S05V1V139	SAT	NA
F-A C-C	2	29.5	11301-001-H003 RIGID STRUT	ES-MISN-V-735	S05V1V069	SAT	NA
F-A	2	8	11301-015-H007 MECH SNUBBER	ES-MISN-V-735	S05V1V107	SAT	NA
F-A	2	6	11302-109-H022 MECH SNUBBER	ES-MISN-V-735	S05V1V207	SAT	NA

VEGP-1 TWELFTH MAINTENANCE / REFUELING OUTAGE  
CLASS 1 2 SUPPORT EXAMINATIONS

ASME SECTION XI CATEGORY	ISI CLASS	NPS (IN.)	SUPPORT NUMBER DESCRIPTION	EXAMINATION PROCEDURE(S)	EXAM SHEET	RESULTS	REMARKS
F-A	2	6	11302-109-H025 MECH SNUBBER	ES-MISN-V-735	S05V1V206	SAT	NA
F-A	2	16	11305-058-H003 MECH SNUBBER	ES-MISN-V-735	S05V1V205	SAT	NA
F-A	2	16	11305-058-H006 MECH SNUBBER	ES-MISN-V-735	S05V1V204	SAT	NA

## SYSTEM PRESSURE TESTS

The following pressure tests on Class 1 and Class 2 components were included in the scope of the maintenance/refueling outage. These pressure tests included system functional tests, system hydrostatic tests, system inservice tests, and system leakage tests. It should be noted that the hydrostatic tests identified were performed to satisfy the "once per ten year" requirements described in ASME Section XI, Code Case N-498-1. These hydrostatic test packages are needed to document tests where the current inservice and functional tests do not fully meet the "once per 10-year" requirements of N-498-1. Boundaries for the pressure tests are described in the VEGP-1 Inservice Inspection Plan - Second 10-Year Interval document. Examination results are discussed in the applicable sections of this report document. The examination data for these pressure tests is available at the plant site for review upon request.

### System Functional Test Schedule (FTs)

<u>FT Number</u>	<u>Exam. Cat.</u>	<u>Test Description</u>
4	C-H	Safety Injection Pump 1204-P6-003 Discharge Functional Test
5	C-H	Safety Injection Pump 1204-P6-004 Discharge Functional Test
8	C-H	Penetration 30 (SI to Cold Legs) Functional Test
10	C-H	Safety Injection (SI) Pump Suction Functional Test
11	C-H	Residual Heat Removal System (RHRS) to Chemical and Volume Control System (CVCS) Suction Functional Test
12	C-H	Containment Spray Train "A" Functional Test
13	C-H	Containment Spray Train "B" Functional Test
17	C-H	Line 1208-133 (HV-8104 to Valve 185 Flow Test) Functional Test

### System Hydrostatic Test Schedule (HTs)

<u>HT Number</u>	<u>Exam. Cat.</u>	<u>Test Description</u>
1	B-P C-H	Class 1 Hydrostatic Test (Partially performed)
3	C-H	SI, Normal Charging & CS Pump Suction Hydrostatic Test (Partially performed)
4	C-H	SI Pump Discharge Hydrostatic Test
17	C-H	Reactor Pressure Vessel Head Vent Pipe Hydrostatic Test
95	C-H	SI Miniflow Hydrostatic Test

### System Inservice Test Schedule (ITs)

<u>IT Number</u>	<u>Exam. Cat.</u>	<u>Test Description</u>
1	C-H	Charging Line Inside Containment Inservice Test
2	C-H	Letdown Line Inside Containment Inservice Test
3	C-H	Reactor Coolant (RC) Pumps 1, 2, 3, and 4 Seal Leakoff Inside Containment Inservice Test
4	C-H	RC Pump 1 Seal Injection from Penetration 54 to Valve 006 Inservice Test
5	C-H	RC Pump 2 Seal Injection from Penetration 53 to Valve 359 Inservice Test
6	C-H	RC Pump 3 Seal Injection from Penetration 52 to Valve 360 Inservice Test
7	C-H	RC Pump 4 Seal Injection from Penetration 51 to Valve 361 Inservice Test
8	C-H	Reactor Coolant System (RCS) Hot Leg Sample Lines to Penetration 24 Inservice Test
9	C-H	Sample Line from Valve 101 to Valve HV-3514 Inservice Test
10	C-H	CVCS Inservice Test with Normal Charging Pump Operating (Outside Containment)

<u>IT Number</u>	<u>Exam. Cat.</u>	<u>Test Description</u>
10	C-H	CVCS Inservice Test with Normal Charging Pump Operating (Outside Containment)
11	C-H	Centrifugal Charging Pump 1208-P6-002 (Train "A") Discharge Inservice Test
12	C-H	Centrifugal Charging Pump 1208-P6-003 (Train "B") Discharge Inservice Test
14	C-H	Accumulator Tank Loop 1 (1204-V6-002) Inservice Test
15	C-H	Accumulator Tank Loop 2 (1204-V6-003) Inservice Test
16	C-H	Accumulator Tank Loop 3 (1204-V6-004) Inservice Test
17	C-H	Accumulator Tank Loop 4 (1204-V6-005) Inservice Test
18	C-H	Residual Heat Removal System Train "A" Inservice Test
19	C-H	Residual Heat Removal System Train "B" Inservice Test
23	C-H	Refueling Water Storage Tank (RWST) Inservice Test
24	C-H	Sample Line from Valve 097 to Valve HV-3508 Inservice Test
25	C-H	Penetration 24 Outside Containment Inservice Test (Post-Accident Sampling)
26	C-H	Nuclear Service Cooling Water (NSCW) Train "A" Inservice Test (Outside Containment)
30	C-H	NSCW Train "B" Inservice Test (Outside Containment)
34	C-H	Containment Coolers 1501-A7-001 and 1501-A7-002 Inservice Test
35	C-H	Containment Coolers 1501-A7-003 and 1501-A7-004 Inservice Test
36	C-H	Containment Coolers 1501-A7-005 and 1501-A7-006 Inservice Test
37	C-H	Containment Coolers 1501-A7-007 and 1501-A7-008 Inservice Test
38	C-H	Cooling Coils 1511-E7-001 and 1515-A7-001 Inservice Test
39	C-H	Cooling Coils 1511-E7-002 and 1515-A7-002 Inservice Test
45	C-H	Steam Generator 1201-B6-001 Inservice Test
46	C-H	Steam Generator 1201-B6-002 Inservice Test
47	C-H	Steam Generator 1201-B6-003 Inservice Test
48	C-H	Steam Generator 1201-B6-004 Inservice Test
49	C-H	Penetration 7 Inservice Test (Outside Containment Steam Generator 1 Blowdown to Heat Exchanger)
50	C-H	Penetration 8 Inservice Test (Outside Containment Steam Generator 2 Blowdown to Heat Exchanger)
51	C-H	Penetration 9 Inservice Test (Outside Containment Steam Generator 3 Blowdown to Heat Exchanger)
52	C-H	Penetration 10 Inservice Test (Outside Containment Steam Generator 4 Blowdown to Heat Exchanger)
53	C-H	Penetration 11B Inservice Test (Outside Containment Steam Generator 1 Blowdown to Sample)
54	C-H	Penetration 11C Inservice Test (Outside Containment Steam Generator 2 Blowdown to Sample)
55	C-H	Penetration 12B Inservice Test (Outside Containment Steam Generator 3 Blowdown to Sample)
56	C-H	Penetration 12C Inservice Test (Outside Containment Steam Generator 4 Blowdown to Sample)
57	C-H	Main Steam Loop 1 Inservice Test (Outside Containment)
58	C-H	Main Steam Loop 2 Inservice Test (Outside Containment)
59	C-H	Main Steam Loop 3 Inservice Test (Outside Containment)
60	C-H	Main Steam Loop 4 Inservice Test (Outside Containment)
64	C-H	Auxiliary Feedwater (AFW) Inservice Test With Pump 1302-P4-002 (Train "B") Operating
65	C-H	AFW Inservice Test With Pump 1302-P4-003 (Train "A") Operating
71	C-H	Main Feedwater Loop 1 Inservice Test (Outside Containment)
72	C-H	Main Feedwater Loop 2 Inservice Test (Outside Containment)
73	C-H	Main Feedwater Loop 3 Inservice Test (Outside Containment)

<u>IT</u> <u>Number</u>	<u>Exam.</u> <u>Cat.</u>	<u>Test</u> <u>Description</u>
74	C-H	Main Feedwater Loop 4 Inservice Test (Outside Containment)
79	C-H	Excess Letdown Heat Exchanger Inservice Test
80	C-H	Residual Heat Removal System Cleanup Inservice Test

System Leakage Test Schedule (LT)

<u>LT</u> <u>Number</u>	<u>Exam.</u> <u>Cat.</u>	<u>Test</u> <u>Description</u>
1	B-P	Class 1 System Leakage Test



## INDICATION NOTIFICATION FORMS

The following Indication Notification Form(s) (INFs) were issued by Materials and Inspection Services (M & IS) of Southern Nuclear Operating Company (SNC) due to *reportable* indications or conditions being observed during the examination of either Class 1 or 2 components during the twelfth maintenance/refueling outage at VEGP-1 (referenced attachments are available at the VEGP plant site for review upon request):

INF No.	Affected Component/Area	INF Disposition
I05V1001	11205-003-H012	<p>During a VT examination of support No. 11205-003-H012, unacceptable conditions were reported. The spherical bearings were frozen at both ends of strut. (Ref. Report No. S05V1V022).</p> <p>Condition Report 2005101743 was initiated. Per RER 1040449701, the frozen bearings would not prevent the pipe support from performing its design function.</p> <p>Work Order 1051525901 corrected this condition by cleaning and lubricating the spherical bearings.</p> <p>No further action is required.</p>
I05V1002	NA	Not applicable to an ASME Class 1 or 2 examination.
I05V1003	11208-005-CV110	<p>During a UT examination of component 11208-005-CV110, the 2" x 3" expander downstream of flow orifice FO-202 showed a significant amount of difference compared to FO-200 and 201. The minimum reading obtained was 0.386 on the 2" portion of the expander, which is above the nominal wall value for a 2" schedule 160 component (0.344"), Ref Report No. S05V1U563.</p> <p>Condition Report 2005102450 was written to address this condition. During the 2R10 refueling outage, RER 2003-VO561 was generated concerning wall thickness results for the Unit 2 similar component (21208-005-CV110). Based on the Unit 2 calculations, the 2" portion of the component has a min wall allowance of 0.227" and the 3" segment a 0.337". It was determined that the Unit 2 component with a thickness of 0.263" was acceptable based on a cavitation wear rate of 0.020" for continued service for one refueling cycle where re-examination and possible replacement is scheduled. Based on the fact that the Unit 1 component has a 0.386" value (on the 2" portion of the reducer) compared to the 0.263" for Unit 2, justification is warranted for at least one additional cycle. It is recommended to examine the component just downstream of the flow orifice (FO-202) during the next refueling cycle (1R13) for conservative consideration which will assist in refining the proper wear rate and may yield a longer service life.</p> <p>Action Item 2005200815 was generated to examine this location in 1R13.</p>

The INF(s) constitute only those *reportable* indications or conditions observed during the SNC M & IS Department scope of work. Any *reportable* indications or conditions observed by VEGP Site personnel or outside contractors during their scope of work should be identified by/to the VEGP site in report document(s) which are referenced herein.

## 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 at VEGP-1 since the last maintenance/refueling outage (1R11) through the completion of the twelfth maintenance/refueling outage (1R12). 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.

The NIS-2s for the following travelers are included herein:

01086**	03032	03091	03109**	04141
01088**	03033**	03092	03110	04146
02088	03037	03093	03129	04151
03003**	03066**	03094	04122	04153
03010	03077**	03096	04124	04154
03013	03081	03097	04125	04156
03020	03083	03102	04129	04160
03021	03084	03103	04130	05058
03022	03085	03104	04131	05059
03023	03086	03105	04133	05060
03024	03087	03106	04139	05061
03025	03089	03108**	04140	

\*\* These travelers are certified on the same NIS-2 report:

01086 is certified with 03066,  
01088 is certified with 03033,  
03077 is certified with 03003, and  
03108 is certified with 03109.

# ORIGINAL

## FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS

As Required By The Provisions Of The ASME Code Section XI

Traveler # 02088

1. Owner Southern Nuclear Operating Company Date 11/03/03  
Name 40 Inverness Center Parkway, Birmingham, AL Sheet 1 Of 1
2. Plant Vogtle Electric Generating Plant Unit 1  
Address Waynesboro, GA 30830 MWO # 10202102  
Repair Organization P.O. No., Job No., etc.
3. Work Performed by Nuclear Operations Maintenance Plant Vogtle  
Name Address
4. Identification Of System 1206 / Containment Spray System
5. (a) Applicable Construction Code ASME SEC III 1974 Edition, Summer 1976 Addenda, N/A Code Case  
(b) Applicable Edition of Section XI Utilized For Repairs Or Replacements 1989
6. Identification Of Components Repairs Or Replacement Components

NAME OF COMPONENT	NAME OF MANUFACTURER	MANUFACTURER SERIAL NO.	NATIONAL BOARD NO.	OTHER IDENTIFICATION	YEAR BUILT	REPAIRED, REPLACED OR REPLACEMENT	ASME CODE STAMPED (YES OR NO)
ENCAPSULATION VESSEL	RICHMOND ENGINEERING CO., INC.	N2431.30	N/A	1-1206-V4-001	1981	REPLACEMENT	YES

7. Description Of Work Installed lifting lugs by welding on vessel cover in accordance with DCP 99-VAN0001. A 10 CFR 50, Appendix J, leakage test was completed after the installation in accordance with procedure 24938-1.

8. Test Conducted: Hydrostatic  Pneumatic  Nominal Operating Pressure   
N/A  Other  Pressure N/A PSI Test Temp. N/A °F

### CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp N/A

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

Signed W. G. Capala Team Leader Date 11/4/2003  
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 07/22/03 to 11-4-03, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owners Report in accordance with the requirements of the ASME Code, Section XI.

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

M. B. Chapman Commissions GA203  
Inspector's Signature National Board, State, Province and Endorsements

Date 11-4-03

ORIGINAL

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

Traveler # 03003

- 1. Owner Southern Nuclear Operating Company Date November 14, 2003  
Name  
40 Inverness Center Parkway, Birmingham, AL Sheet 1 of 1  
Address
- 2. Plant Vogtle Electric Generating Plant Unit 1  
Plant  
Waynesboro, GA 30830 MWO # 10203773 & PO#7057227-0001  
Address Repair Organization P.O. No., Job No., etc.
- 3. Work Performed by Nuclear Operations Maintenance Plant Vogtle  
Name Address
- 4. Identification Of System 1301 / Main Steam System
- 5. (a) Applicable Construction Code ASME Section III 1974 Edition, Winter 1975 Addenda, N/A Code Case  
(b) Applicable Edition of Section XI Utilized For Repairs Or Replacements 1989
- 6. Identification Of Components Repairs Or Replacement Components

NAME OF COMPONENT	NAME OF MANUFACTURER	MANUFACTURER SERIAL NO.	NATIONAL BOARD NO.	OTHER IDENTIFICATION	YEAR BUILT	REPAIRED, REPLACED OR REPLACEMENT	ASME CODE STAMPED (YES OR NO)
Valve	Crosby Valve and Gauge Co.	N62569-00-0024	N/A	1PSV-3011	1980	REPLACEMENT	YES

7. Description Of Work Replace valve N62569-00-0041 with N62569-00-0024, valve spring and washers replaced on valve N62569-00-0024 under Purchase Order #7057227-0001 and ASME Section XI Traveler #03077. Valve N62569-00-0024 originally installed during construction as 2PSV-3031 and is currently being used as a rotating spare.

8. Tests Conducted: Hydrostatic  Pneumatic  Nominal Operating Pressure   
N/A  Other  Pressure N/A PSI Test Temp. N/A °F

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp N/A

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

Signed [Signature] Date 11/17/2003  
Owner or Owner's Designee, Title

22198  
11/17/03

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 January 31, 2003 to 11-17-03, 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 Owners Report in accordance with the requirements of the ASME Code, Section XI.

By signing this certificate, neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owners 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 GA203  
Inspector's Signature National Board, State, Province and Endorsements

Date 11-17-03

# ORIGINAL

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

Traveler # 03010

1. Owner Southern Nuclear Operating Company Date November 18, 2003  
Name 40 Inverness Center Parkway, Birmingham, AL Sheet 1 of 1  
Address
2. Plant Vogtle Electric Generating Plant Unit 1  
Plant Waynesboro, GA 30830 MWO # 10300366  
Address  Repair Organization P.O. No., Job No., etc.
3. Work Performed by Nuclear Operations Maintenance Plant Vogtle  
Name  Address
4. Identification Of System 1205 / Residual Heat Removal System
5. (a) Applicable Construction Code ASME Section III 1971 Edition, Summer 1972 Addenda, N/A Code Case  
(b) Applicable Edition of Section XI Utilized For Repairs Or Replacements 1989
6. Identification Of Components Repairs Or Replacement Components

NAME OF COMPONENT	NAME OF MANUFACTURER	MANUFACTURER SERIAL NO.	NATIONAL BOARD NO.	OTHER IDENTIFICATION	YEAR BUILT	REPAIRED, REPLACED OR REPLACEMENT	ASME CODE STAMPED (YES OR NO)
RELIEF VALVE	CROSBY	N56904-00-0065	N/A	1PSV-8708B	1975	REPLACEMENT	YES

7. Description Of Work Installed replacement valve. This replacement valve is a rotating spare; originally purchased under PO# 7004045 and received under MIR# 00910466.
8. Tests Conducted: Hydrostatic  Pneumatic  Nominal Operating Pressure   
N/A  Other  Pressure N/A PSI Test Temp. N/A °F

### CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp N/ACertificate of Authorization No. N/A Expiration Date N/ASigned [Signature] Date 11/19/2003  
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 February 25, 2003 to 11-21-03, 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 Owners Report in accordance with the requirements of the ASME Code, Section XI.

By signing this certificate, neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owners 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 GA203  
Inspector's Signature National Board, State, Province and Endorsements

Date 11-21-03C-218  
11/18/03

# ORIGINAL

## FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS

As Required By The Provisions Of The ASME Code Section XI

Traveler # 03013

1. Owner Southern Nuclear Operating Company Date October 30, 2003  
 Name  
40 Inverness Center Parkway, Birmingham, AL Sheet 1 of 1  
 Address

2. Plant Vogtle Electric Generating Plant Unit 1  
 Plant  
Waynesboro, GA 30830 MWO # 10203670  
 Address Repair Organization P.O. No., Job No., etc.

3. Work Performed by Nuclear Operations Maintenance Plant Vogtle  
 Name Address

4. Identification Of System 1201 / Reactor Coolant System

5. (a) Applicable Construction Code ASME Section III 1977 Edition, Winter 1977 Addenda, N-249-1 Code Case  
 (b) Applicable Edition of Section XI Utilized For Repairs Or Replacements 1989

6. Identification Of Components Repairs Or Replacement Components

NAME OF COMPONENT	NAME OF MANUFACTURER	MANUFACTURER SERIAL NO.	NATIONAL BOARD NO.	OTHER IDENTIFICATION	YEAR BUILT	REPAIRED, REPLACED OR REPLACEMENT	ASME CODE STAMPED (YES OR NO)
PIPE SUPPORT	PULLMAN POWER PRODUCTS	N/A	N/A	V1-1201-030-H601	1987	REPLACEMENT	YES

7. Description Of Work 151 CA# 482 COR 11/3/03 151 CA# 154 COR 11/3/03  
Snubber AD-501, serial # 462 was replaced with AD-501, serial # 402 to support surveillance testing.

8. Tests Conducted: Hydrostatic  Pneumatic  Nominal Operating Pressure   
 N/A  Other  Pressure N/A PSI Test Temp. N/A °F

### CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp N/A

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

Signed N. J. [Signature] Date 10/31/2003  
 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 March 14, 2003 to 11-3-03, 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 Owners Report in accordance with the requirements of the ASME Code, Section XI.

By signing this certificate, neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owners 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 GA 203  
 Inspector's Signature National Board, State, Province and Endorsements

Date 11-03-03

# FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS

As Required By The Provisions Of The ASME Code Section XI

6

Traveler # 03020

1. Owner Southern Nuclear Operating Company Date 01/06/04  
 Name 40 Inverness Center Parkway, Birmingham, AL Sheet 1 Of 3
2. Plant Vogtle Electric Generating Plant Unit 1  
Waynesboro, GA 30830 MWO # 10300891  
 Address Repair Organization P.O. No., Job No., etc.
3. Work Performed by Nuclear Operations Maintenance Plant Vogtle  
 Name Address
4. Identification Of System 1208 / Chemical and Volume Control System
5. (a) Applicable Construction Code ASME SEC III 1977 Edition, Winter 1977 Addenda, N/A Code Case  
 (b) Applicable Edition of Section XI Utilized For Repairs Or Replacements 1989
6. Identification Of Components Repairs Or Replacement Components

NAME OF COMPONENT	NAME OF MANUFACTURER	MANUFACTURER SERIAL NO.	NATIONAL BOARD NO.	OTHER IDENTIFICATION	YEAR BUILT	REPAIRED, REPLACED OR REPLACEMENT	ASME CODE STAMPED (YES OR NO)
VALVE	COPE-S-VULCAN	8220-95439-1-7	2366	1HV-41326B	1983	REPLACEMENT	YES

7. Description Of Work Valve plug was replaced during installation of a quick disconnect modification under MDC# 02-V1M027. The replacement plug was provided in a firm assembly with serial number 0321-86986-1-2. A copy of Form N-2 for the replacement plug is attached.

8. Test Conducted: Hydrostatic  Pneumatic  Nominal Operating Pressure   
 N/A  Other  Pressure N/A PSI Test Temp. N/A °F

### CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp N/A

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

Signed [Signature] Team Leader Date 1/9/2004  
 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 03/31/03 to 1-12-04, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owners Report in accordance with the requirements of the ASME Code, Section XI.

By signing this certificate, neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owners 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 GA203  
 Inspector's Signature National Board, State, Province and Endorsements

Date 1-12-04

**FORM N-2 CERTIFICATE HOLDERS' DATA REPORT FOR IDENTICAL  
NUCLEAR PARTS AND APPURTENANCES\***

Sheet 2 of 3

As Required by the Provisions of the ASME Code, Section III  
Not to Exceed One Day's Production

Pg. 1 of \_\_\_\_\_

1. Manufactured and certified by SPX Valves & Controls, 5620 West Road, McKean, PA 16426  
(name and address of NPT Certificate Holder)

2. Manufactured for Georgia Power Company, c/o Southern Nuclear Operating Co., Birmingham, AL  
(name and address of Purchaser)

3. Location of installation Vogtle Electric Generating Plant, Waynesboro, GA  
(name and address)

4. Type: L-139924 Rev.7 SA479 Tp410 \* N/A 2003  
(drawing no.) (mat'l. spec. no.) (tensile strength) (CRN) (year built)

5. ASME Code, Section III, Division 1: 1977 Winter 1977 2 N/A  
(edition) (addenda date) (class) (Code Case no.)

6. Fabricated in accordance with Const. Spec. (Div. 2 only) N/A Revision N/A Date N/A  
(no.)

7. Remarks: 2" 1500 Trim for valve Assembly Drawing E-263532 Rev. 4

CUSTOMER PO 7057052 SPX Job 86986

8. Nom. thickness (in.) N/A Min. design thickness (in.) N/A Dia. ID (ft & in.) N/A Length overall (ft & in.) N/A

9. When applicable, Certificate Holders' Data Reports are attached for each item of this report:

Part or Appurtenance Serial Number	National Board No. in Numerical Order	Part or Appurtenance Serial Number	National Board No. in Numerical Order
(1) 0321-86986-1-1 (0301)	N/A	(26)	
(2) 0321-86986-1-2 (0302)	N/A	(27)	
(3) 0321-86986-1-3 (0303)	N/A	(28)	
(4)		(29)	
(5)		(30)	
(6)		(31)	
(7)		(32)	
(8)		(33)	
(9)		(34)	
(10) * NC2170		(35)	
(11) Heat treatment to enhance		(36)	
(12) impact properties		(37)	
(13)		(38)	
(14)		(39)	
(15)		(40)	
(16)		(41)	
(17)		(42)	
(18)		(43)	
(19)		(44)	
(20)		(45)	
(21)		(46)	
(22)		(47)	
(23)		(48)	
(24)		(49)	
(25)		(50)	

10. Design pressure 3100 psi. Temp. 250 °F. Hydro. test pressure N/A at temp. °F  
(when applicable)

\* Supplemental information in the form of lists, sketches, or drawings may be used provided (1) size is 8 1/2 x 11, (2) information in Items 2 and 3 on this Data Report is included on each sheet, (3) each sheet is numbered and the number of sheets is recorded at the top of this form.



Certificate Holder's Serial Nos. 1-1 through 1-3

CERTIFICATION OF DESIGN

Design specifications certified by N/A (when applicable) P.E. State \_\_\_\_\_ Reg. no. \_\_\_\_\_

Design report\* certified by N/A (when applicable) P.E. State \_\_\_\_\_ Reg. no. \_\_\_\_\_

CERTIFICATE OF COMPLIANCE

We certify that the statements made in this report are correct and that this (these) Plugs conforms to the rules of construction of the ASME Code, Section III, Division 1.

NPT Certificate of Authorization No. N-3053 Expires 10/5/04

Date 7-8-03 Name SPX Valves & Controls Signed [Signature]  
(NPT Certificate Holder) (Authorized representative)

CERTIFICATE OF 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 Penna and employed by OneBeacon America Insurance Company of Boston, MA have inspected these items described in this Data Report on 7-8-03, and state that to the best of my knowledge and belief, the Certificate Holder has fabricated these parts or appurtenances in accordance with the ASME Code, Section III, Division 1. Each part listed has been authorized for stamping on the date shown above.

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

Date 7-8-03 Signed [Signature] Commissions P22274  
(Authorized Inspector) (Nat'l. Bd. (incl. endorsements) and state or prov. and no.)

# FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS

6

As Required By The Provisions Of The ASME Code Section XI

Traveler # 03021

1. Owner Southern Nuclear Operating Company Date 01/05/04  
40 Inverness Center Parkway, Birmingham, AL  
 Name  
 Sheet 1 Of 3
2. Plant Vogtle Electric Generating Plant Unit 1  
Waynesboro, GA 30830 MWO # 10300890  
 Address Repair Organization P.O. No., Job No., etc.
3. Work Performed by Nuclear Operations Maintenance Plant Vogtle  
 Name Address
4. Identification Of System 1208 / Chemical and Volume Control System
5. (a) Applicable Construction Code ASME SEC III 1977 Edition, Winter 1977 Addenda, N/A Code Case  
 (b) Applicable Edition of Section XI Utilized For Repairs Or Replacements 1989
6. Identification Of Components Repairs Or Replacement Components

NAME OF COMPONENT	NAME OF MANUFACTURER	MANUFACTURER SERIAL NO.	NATIONAL BOARD NO.	OTHER IDENTIFICATION	YEAR BUILT	REPAIRED, REPLACED OR REPLACEMENT	ASME CODE STAMPED (YES OR NO)
VALVE	COPE-S-VULCAN	8220-95439-1-5	2360	1HV-41326A	1984	REPLACEMENT	YES

7. Description Of Work Valve plug was replaced during installation of a quick disconnect modification under MDC# 02-V1M027. The replacement plug was provided in a trim assembly with serial number 0321-86986-3-1. A copy of Form N-2 for the replacement plug is attached.

8. Test Conducted: Hydrostatic  Pneumatic  Nominal Operating Pressure   
 N/A  Other  Pressure N/A PSI Test Temp. N/A °F

### CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp N/A

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

Signed [Signature] Team Leader Date 1/6/2004  
 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 04/01/03 to 1-6-04, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owners Report in accordance with the requirements of the ASME Code, Section XI.

By signing this certificate, neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owners 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 GA203  
 Inspector's Signature National Board, State, Province and Endorsements

Date 1-6-04

**FORM N-2 CERTIFICATE HOLDERS' DATA REPORT FOR IDENTICAL NUCLEAR PARTS AND APPURTENANCES\*** Sheet 2 of 3

As Required by the Provisions of the ASME Code, Section III  
Not to Exceed One Day's Production

Pg. 1 of \_\_\_\_\_

1. Manufactured and certified by SPX Valves & Controls, 5620 West Road, McKean, PA 16426  
(name and address of NPT Certificate Holder)
2. Manufactured for Georgia Power Company, c/o Southern Nuclear Operating Co., Birmingham, AL  
(name and address of Purchaser)
3. Location of installation Vogtle Electric Generating Plant, Waynesboro, GA  
(name and address)
4. Type: L-263962 Rev.OMKD SA479 to 304 92.5 ksi N/A 2003  
(drawing no.) (mat'l. spec. no.) (tensile strength) (CRW) (year built)
5. ASME Code, Section III, Division 1: 1977 Winter 1977 2 N/A  
(edition) (addenda date) (class) (Code Case no.)
6. Fabricated in accordance with Const. Spec. (Div. 2 only) N/A Revision N/A Date N/A  
(no.)
7. Remarks: 3" Trim Assembly for a 3" 1500 Valve Assembly Drawing E-263533 Rev. 4.
- Customer PO 7057052 SPX Order 86986

8. Nom. thickness (in.) N/A Min. design thickness (in.) N/A Dia. ID (ft & in.) N/A Length overall (ft & in.) N/A
9. When applicable, Certificate Holders' Data Reports are attached for each item of this report:

Part or Appurtenance Serial Number	National Board No. in Numerical Order	Part or Appurtenance Serial Number	National Board No. in Numerical Order
(1) 0321-86986-3-1 (0301)	N/A	(26)	
(2) 0321-86986-3-2 (0302)	N/A	(27)	
(3) 0321-86986-3-3 (0303)	N/A	(28)	
(4)		(29)	
(5)		(30)	
(6)		(31)	
(7)		(32)	
(8)		(33)	
(9)		(34)	
(10)		(35)	
(11)		(36)	
(12)		(37)	
(13)		(38)	
(14)		(39)	
(15)		(40)	
(16)		(41)	
(17)		(42)	
(18)		(43)	
(19)		(44)	
(20)		(45)	
(21)		(46)	
(22)		(47)	
(23)		(48)	
(24)		(49)	
(25)		(50)	

10. Design pressure 3100 psi. Temp. 250 °F. Hydro. test pressure N/A at temp. °F  
(when applicable)

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

Certificate Holder's Serial Nos.

3-1

through

3-3

CERTIFICATION OF DESIGN

Design specifications certified by N/A (when applicable) P.E. State \_\_\_\_\_ Reg. no. \_\_\_\_\_

Design report\* certified by N/A (when applicable) P.E. State \_\_\_\_\_ Reg. no. \_\_\_\_\_

CERTIFICATE OF COMPLIANCE

We certify that the statements made in this report are correct and that this (these) Plugs conforms to the rules of construction of the ASME Code, Section III, Division 1.

NPT Certificate of Authorization No. N-3053 Expires 10/5/04

Date 6-26-03 Name SPX Valves & Controls (NPT Certificate Holder) Signed [Signature] (authorized representative)

CERTIFICATE OF 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 Penna and employed by OneBeacon America Insurance Company

of Boston, MA have inspected these items described in this Data Report on 6-26-03, and state that to the best of my knowledge and belief, the Certificate Holder has fabricated these parts or appurtenances in accordance with the ASME Code, Section III, Division 1. Each part listed has been authorized for stamping on the date shown above.

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

Date 6-26-03 Signed [Signature] (Authorized Inspector) Commissions PA 2274 [Nat'l. Bd. (incl. endorsements) and state or prov. and no.]

# FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS

As Required By The Provisions Of The ASME Code Section XI

④

Traveler # 03022

1. Owner Southern Nuclear Operating Company Date 01/05/04  
 Name 40 Inverness Center Parkway, Birmingham, AL Sheet 1 Of 3
2. Plant Vogtle Electric Generating Plant Unit 1  
Waynesboro, GA 30830 MWO # 10300893  
 Address Repair Organization P.O. No., Job No., etc.
3. Work Performed by Nuclear Operations Maintenance Plant Vogtle  
 Name Address
4. Identification Of System 1208 / Chemical and Volume Control System
5. (a) Applicable Construction Code ASME SEC III 1977 Edition, Winter 1977 Addenda, N/A Code Case  
 (b) Applicable Edition of Section XI Utilized For Repairs Or Replacements 1989
6. Identification Of Components Repairs Or Replacement Components

NAME OF COMPONENT	NAME OF MANUFACTURER	MANUFACTURER SERIAL NO.	NATIONAL BOARD NO.	OTHER IDENTIFICATION	YEAR BUILT	REPAIRED, REPLACED OR REPLACEMENT	ASME CODE STAMPED (YES OR NO)
VALVE	COPEES-VULCAN	8220-95439-2-5	2369	1HV-41326D	1983	REPLACEMENT	YES

7. Description Of Work Valve plug was replaced during installation of a quick disconnect modification under MDC# 02-V1M027. The replacement plug was provided in a trim assembly with serial number 0321-86986-1-1. A copy of Form N-2 for the replacement plug is attached.

8. Test Conducted: Hydrostatic  Pneumatic  Nominal Operating Pressure   
 N/A  Other  Pressure N/A PSI Test Temp. N/A °F

### CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp N/A

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

Signed W. J. Gabel Team Leader Date 1/6/2004  
 Owner or Owner's Designee, Title

01/05/04

### 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 04/01/03 to 1-6-04, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owners Report in accordance with the requirements of the ASME Code, Section XI.

By signing this certificate, neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owners 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.

MBC Chapman Commissions GA203  
 Inspector's Signature National Board, State, Province and Endorsements

Date 1-6-04

FORM N-2 CERTIFICATE HOLDERS' DATA REPORT FOR IDENTICAL  
NUCLEAR PARTS AND APPURTENANCES\*

Traveler# 03022  
Sheet 2 of 3

As Required by the Provisions of the ASME Code, Section III  
Not to Exceed One Day's Production

Pg. 1 of \_\_\_\_\_

1. Manufactured and certified by SPX Valves & Controls, 5620 West Road, McKean, PA 16426  
(name and address of NPT Certificate Holder)

2. Manufactured for Georgia Power Company, c/o Southern Nuclear Operating Co., Birmingham, AL  
(name and address of Purchaser)

3. Location of installation Vogtle Electric Generating Plant, Waynesboro, GA  
(name and address)

4. Type: L-139924 Rev.7 SA479 Tp410 \* N/A 2003  
(drawing no.) (mat'l. spec. no.) (tensile strength) (CRN) (year built)

5. ASME Code, Section III, Division 1: 1977 Winter 1977 2 N/A  
(edition) (addenda date) (class) (Code Case no.)

6. Fabricated in accordance with Const. Spec. (Div. 2 only) N/A Revision N/A Date N/A  
(no.)

7. Remarks: 2" 1500 Trim for valve Assembly Drawing E-263532 Rev. 4

CUSTOMER PO 7057052

SPX Job 86986

8. Nom. thickness (in.) N/A Min. design thickness (in.) N/A Dia. ID (ft & in.) N/A Length overall (ft & in.) N/A

9. When applicable, Certificate Holders' Data Reports are attached for each item of this report:

Part or Appurtenance Serial Number	National Board No. in Numerical Order	Part or Appurtenance Serial Number	National Board No. in Numerical Order
(1) 0321-86986-1-1 (0301)	N/A	(26)	
(2) 0321-86986-1-2 (0302)	N/A	(27)	
(3) 0321-86986-1-3 (0303)	N/A	(28)	
(4)		(29)	
(5)		(30)	
(6)		(31)	
(7)		(32)	
(8)		(33)	
(9)		(34)	
(10) * NC2170		(35)	
(11) Heat treatment to enhance		(36)	
(12) impact properties		(37)	
(13)		(38)	
(14)		(39)	
(15)		(40)	
(16)		(41)	
(17)		(42)	
(18)		(43)	
(19)		(44)	
(20)		(45)	
(21)		(46)	
(22)		(47)	
(23)		(48)	
(24)		(49)	
(25)		(50)	

10. Design pressure 3100 psi. Temp. 250 °F. Hydro. test pressure N/A at temp. °F  
(when applicable)

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

(12/88)

This form (E00040) may be obtained from the Order Dept., ASME, 22 Law Drive, Box 2300, Fairfield, NJ 07007-2300.

Reprint (7/91)

Certificate Holder's Serial Nos. 1-1 through 1-3

CERTIFICATION OF DESIGN

Design specifications certified by N/A (when applicable) P.E. State \_\_\_\_\_ Reg. no. \_\_\_\_\_

Design report\* certified by N/A (when applicable) P.E. State \_\_\_\_\_ Reg. no. \_\_\_\_\_

CERTIFICATE OF COMPLIANCE

We certify that the statements made in this report are correct and that this (these) Plugs conforms to the rules of construction of the ASME Code, Section III, Division 1.

NPT Certificate of Authorization No. N-3053 Expires 10/5/04

Date 7-8-03 Name SPX Valves & Controls Signed R. F. Kant (Authorized representative)

CERTIFICATE OF 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 Penna and employed by OneBeacon America Insurance Company of Boston, MA have inspected these items described in this Data Report on 7-8-03, and state that to the best of my knowledge and belief, the Certificate Holder has fabricated these parts or appurtenances in accordance with the ASME Code, Section III, Division 1. Each part listed has been authorized for stamping on the date shown above.

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

Date 7-8-03 Signed [Signature] Commissions P22274 (Nat'l. Bd. (incl. endorsements) and state or prov. and no.)

# FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS

As Required By The Provisions Of The ASME Code Section XI

6

Traveler # 03023

1. Owner Southern Nuclear Operating Company Date 01/05/04  
 Name 40 Inverness Center Parkway, Birmingham, AL Sheet 1 Of 3
2. Plant Vogtle Electric Generating Plant Unit 1  
Waynesboro, GA 30830 MWO # 10300892  
 Address Repair Organization P.O. No., Job No., etc.
3. Work Performed by Nuclear Operations Maintenance Plant Vogtle  
 Name Address
4. Identification Of System 1208 / Chemical and Volume Control System
5. (a) Applicable Construction Code ASME SEC III 1977 Edition, Winter 1977 Addenda, N/A Code Case  
 (b) Applicable Edition of Section XI Utilized For Repairs Or Replacements 1989
6. Identification Of Components Repairs Or Replacement Components

NAME OF COMPONENT	NAME OF MANUFACTURER	MANUFACTURER SERIAL NO.	NATIONAL BOARD NO.	OTHER IDENTIFICATION	YEAR BUILT	REPAIRED, REPLACED OR REPLACEMENT	ASME CODE STAMPED (YES OR NO)
VALVE	COPE-S-VULCAN	8220-95439-3-3	2374	1HV-41326C	1983	REPLACEMENT	YES

7. Description Of Work Valve plug was replaced during installation of a quick disconnect modification under MDC# 02-V1M027. The replacement plug was provided in a trim assembly with serial number 0321-86986-3-2. A copy of Form N-2 for the replacement plug is attached.

8. Test Conducted: Hydrostatic  Pneumatic  Nominal Operating Pressure   
 N/A  Other  Pressure N/A PSI Test Temp. N/A °F

### CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp N/A

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

Signed W. B. Gales Team Leader Date 1/6/2004  
 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 04/01/03 to 1-6-04, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owners Report in accordance with the requirements of the ASME Code, Section XI.

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

MB Chapman Commissions GA203  
 Inspector's Signature National Board, State, Province and Endorsements

Date 1-6-04

Dnt  
01/05/04



**FORM N-2 CERTIFICATE HOLDERS' DATA REPORT FOR IDENTICAL  
NUCLEAR PARTS AND APPURTENANCES\***

As Required by the Provisions of the ASME Code, Section III  
Not to Exceed One Day's Production

1. Manufactured and certified by SPX Valves & Controls, 5620 West Road, McKean, PA 16426  
(name and address of NPT Certificate Holder)
2. Manufactured for Georgia Power Company, c/o Southern Nuclear Operating Co., Birmingham, AL  
(name and address of Purchaser)
3. Location of installation Vogtle Electric Generating Plant, Waynesboro, GA  
(name and address)
4. Type: L-263962 Rev.OMKD SA479 Tp 304 92.5 ksi N/A 2003  
(drawing no.) (mat'l. spec. no.) (tensile strength) (CRN) (year built)
5. ASME Code, Section III, Division 1: 1977 Winter 1977 2 N/A  
(edition) (addenda date) (class) (Code Case no.)
6. Fabricated in accordance with Const. Spec. (Div. 2 only) N/A Revision N/A Date N/A  
(no.)
7. Remarks: 3" Trim Assembly for a 3" 1500 Valve Assembly Drawing E-263533 Rev. 4  
Customer PO 7057052 SPX Order 86986

8. Nom. thickness (in.) N/A Min. design thickness (in.) N/A Dia. ID (ft & in.) N/A Length overall (ft & in.) N/A
9. When applicable, Certificate Holders' Data Reports are attached for each item of this report:

	Part or Appurtenance Serial Number	National Board No. In Numerical Order		Part or Appurtenance Serial Number	National Board No. in Numerical Order
(1)	0321-86986-3-1 (0301)	N/A	(26)		
(2)	0321-86986-3-2 (0302)	N/A	(27)		
(3)	0321-86986-3-3 (0303)	N/A	(28)		
(4)			(29)		
(5)			(30)		
(6)			(31)		
(7)			(32)		
(8)			(33)		
(9)			(34)		
(10)			(35)		
(11)			(36)		
(12)			(37)		
(13)			(38)		
(14)			(39)		
(15)			(40)		
(16)			(41)		
(17)			(42)		
(18)			(43)		
(19)			(44)		
(20)			(45)		
(21)			(46)		
(22)			(47)		
(23)			(48)		
(24)			(49)		
(25)			(50)		

10. Design pressure 3100 psi. Temp. 250 °F. Hydro. test pressure N/A at temp. °F  
(when applicable)

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

0321-86986-

Certificate Holder's Serial Nos. 3-1 through 3-3

CERTIFICATION OF DESIGN

Design specifications certified by N/A (when applicable) P.E. State \_\_\_\_\_ Reg. no. \_\_\_\_\_

Design report\* certified by N/A (when applicable) P.E. State \_\_\_\_\_ Reg. no. \_\_\_\_\_

CERTIFICATE OF COMPLIANCE

We certify that the statements made in this report are correct and that this (these) Plugs conforms to the rules of construction of the ASME Code, Section III, Division 1.

NPT Certificate of Authorization No. N-3053 Expires 10/5/04

Date 6-26-03 Name SPX Valves & Controls (NPT Certificate Holder) Signed [Signature] (authorized representative)

CERTIFICATE OF 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 Penna and employed by OneBeacon America Insurance Company

of Boston, MA have inspected these items described in this Data Report on 6-26-03, and state that to the best of my knowledge and belief, the Certificate Holder has fabricated these parts or appurtenances in accordance with the ASME Code, Section III, Division 1. Each part listed has been authorized for stamping on the date shown above.

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

Date 6-26-03 Signed [Signature] (Authorized Inspector) Commissions A-2274 (Nat'l. Bd., (incl. endorsements) and state or prov. and no.)

# FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS

As Required By The Provisions Of The ASME Code Section XI

6

Traveler # 03024

1. Owner Southern Nuclear Operating Company Date 01/05/04  
 Name 40 Inverness Center Parkway, Birmingham, AL Sheet 1 Of 3  
 2. Plant Vogtle Electric Generating Plant Unit 1  
Waynesboro, GA 30830 MWO # 10201376  
 Address Repair Organization P.O. No., Job No., etc.

3. Work Performed by Nuclear Operations Maintenance Plant Vogtle  
 Name Address

4. Identification Of System 1208 / Chemical and Volume Control System

5. (a) Applicable Construction Code ASME SEC III 1977 Edition, Winter 1977 Addenda, N/A Code Case  
 (b) Applicable Edition of Section XI Utilized For Repairs Or Replacements 1989

6. Identification Of Components Repairs Or Replacement Components

NAME OF COMPONENT	NAME OF MANUFACTURER	MANUFACTURER SERIAL NO.	NATIONAL BOARD NO.	OTHER IDENTIFICATION	YEAR BUILT	REPAIRED, REPLACED OR REPLACEMENT	ASME CODE STAMPED (YES OR NO)
VALVE	COPE-S-VULCAN	8220-95439-2-7	2371	1HV-41326E	1983	REPLACEMENT	YES

7. Description Of Work Valve plug was replaced during installation of a quick disconnect modification under MDC# 02-V1M027. The replacement plug was provided in a trim assembly with serial number 0321-86986-1-3. A copy of Form N-2 for the replacement plug is attached.

8. Test Conducted: Hydrostatic  Pneumatic  Nominal Operating Pressure   
 N/A  Other  Pressure N/A PSI Test Temp. N/A °F

### CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp N/A

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

Signed [Signature] Team Leader Date 1/6/2004  
 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 04/01/03 to 1-6-04, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owners Report in accordance with the requirements of the ASME Code, Section XI.

By signing this certificate, neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owners 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 GA703  
 Inspector's Signature National Board, State, Province and Endorsements

Date 1-6-04

FORM N-2 CERTIFICATE HOLDERS' DATA REPORT FOR IDENTICAL  
NUCLEAR PARTS AND APPURTENANCES\*

Sheet 2 of 3

As Required by the Provisions of the ASME Code, Section III  
Not to Exceed One Day's Production

Pg. 1 of \_\_\_\_\_

1. Manufactured and certified by SPX Valves & Controls, 5620 West Road, McKean, PA 16426  
(name and address of NPT Certificate Holder)
- Manufactured for Georgia Power Company, c/o Southern Nuclear Operating Co., Birmingham, AL  
(name and address of Purchaser)
3. Location of installation Vogtle Electric Generating Plant, Waynesboro, GA  
(name and address)
4. Type: L-139924 Rev. 7 SA479 Tp410 \* N/A 2003  
(drawing no.) (mat'l spec. no.) (tensile strength) (CRN) (year built)
5. ASME Code, Section III, Division 1: 1977 Winter 1977 2 N/A  
(edition) (addenda date) (class) (Code Case no.)
6. Fabricated in accordance with Const. Spec. (Div. 2 only) N/A Revision N/A Date N/A  
(no.)
7. Remarks: 2" 1500 Trim for valve Assembly Drawing E-263532 Rev. 4

CUSTOMER PO 7057052

SPX Job 86986

8. Nom. thickness (in.) N/A Min. design thickness (in.) N/A Dia. ID (ft & in.) N/A Length overall (ft & in.) N/A
9. When applicable, Certificate Holders' Data Reports are attached for each item of this report:

Part or Appurtenance Serial Number	National Board No. in Numerical Order	Part or Appurtenance Serial Number	National Board No. in Numerical Order
(1) 0321-86986-1-1 (0301)	N/A	(26)	
(2) 0321-86986-1-2 (0302)	N/A	(27)	
(3) 0321-86986-1-3 (0303)	N/A	(28)	
(4)		(29)	
(5)		(30)	
(6)		(31)	
(7)		(32)	
(8)		(33)	
(9)		(34)	
(10) * NC2170		(35)	
(11) Heat treatment to enhance		(36)	
(12) impact properties		(37)	
(13)		(38)	
(14)		(39)	
(15)		(40)	
(16)		(41)	
(17)		(42)	
(18)		(43)	
(19)		(44)	
(20)		(45)	
(21)		(46)	
(22)		(47)	
(23)		(48)	
(24)		(49)	
(25)		(50)	

10. Design pressure 3100 psi. Temp. 250 °F. Hydro. test pressure N/A at temp. °F  
(when applicable)

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

112/881

This form (E00040) may be obtained from the Order Dept., ASME, 22 Law Drive, Box 2300, Fairfield, NJ 07007-2300.

Reprint (7/91)

CERTIFICATION OF DESIGN

Design specifications certified by N/A P.E. State \_\_\_\_\_ Reg. no. \_\_\_\_\_  
(when applicable)

Design report\* certified by N/A P.E. State \_\_\_\_\_ Reg. no. \_\_\_\_\_  
(when applicable)

CERTIFICATE OF COMPLIANCE

We certify that the statements made in this report are correct and that this (these) Plugs  
conforms to the rules of construction of the ASME Code, Section III, Division 1.

NPT Certificate of Authorization No. N-3053 Expires 10/5/04

Date 7-8-03 Name SPX Valves & Controls Signed R. F. Kent  
(NPT Certificate Holder) (authorized representative)

CERTIFICATE OF 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 Penna and employed by OneBeacon America Insurance Company of Boston, MA have inspected these items described in this Data Report on 7-8-03, and state that to the best of my knowledge and belief, the Certificate Holder has fabricated these parts or appurtenances in accordance with the ASME Code, Section III, Division 1. Each part listed has been authorized for stamping on the date shown above.

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

Date 7-8-03 Signed [Signature] Commissions PA2274  
(Authorized Inspector) (Nat'l. Bd. Incl. endorsements) and state or prov. and no.]

# ORIGINAL

## FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS

As Required By The Provisions Of The ASME Code Section XI

Traveler # 03025

1. Owner Southern Nuclear Operating Company Date October 23, 2003  
Name  
40 Inverness Center Parkway, Birmingham, AL Sheet 1 of 1  
Address
2. Plant Vogtle Electric Generating Plant Unit 1  
Plant  
Waynesboro, GA 30830 MWO # 10202358  
Address Repair Organization P.O. No., Job No., etc.
3. Work Performed by Nuclear Operations Maintenance Plant Vogtle  
Name Address
4. Identification Of System 1204 / Safety Injection
5. (a) Applicable Construction Code ASME Section III 1977 Edition, Winter 1977 Addenda, N/A Code Case  
(b) Applicable Edition of Section XI Utilized For Repairs Or Replacements 1989
6. Identification Of Components Repairs Or Replacement Components

NAME OF COMPONENT	NAME OF MANUFACTURER	MANUFACTURER SERIAL NO.	NATIONAL BOARD NO.	OTHER IDENTIFICATION	YEAR BUILT	REPAIRED, REPLACED OR REPLACEMENT	ASME CODE STAMPED (YES OR NO)
PIPE SUPPORT	PULLMAN POWER PRODUCTS	N/A	N/A	1K7-1204-037-01	1987	REPLACEMENT	YES

7. Description Of Work A 1" branch weld connection was made 1204-037 piping per DCP 00-V1N0042 and WPCS 030164.

8. Tests Conducted: Hydrostatic  Pneumatic  Nominal Operating Pressure   
N/A  Other  Pressure N/A PSI Test Temp. N/A °F

### CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp N/A

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

Signed [Signature] Date 10/23/2003  
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 May 20, 2003 to 10-23-03, 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 Owners Report in accordance with the requirements of the ASME Code, Section XI.

By signing this certificate, neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owners 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 GAZ05  
Inspector's Signature National Board, State, Province and Endorsements

Date 10-23-03

# ORIGINAL

## FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS

As Required By The Provisions Of The ASME Code Section XI

Traveler # 03032

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

Date October 17, 2003

Sheet 1 of 1

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

Unit 1

MWO # 10203632

Repair Organization P.O. No., Job No., etc.

3. Work Performed by Nuclear Operations Maintenance  
Name

Plant Vogtle

Address

4. Identification Of System 1301 / Main Steam System

5. (a) Applicable Construction Code ASME Section III 1977 Edition, Winter 1977 Addenda, N-249-1 Code Case

(b) Applicable Edition of Section XI Utilized For Repairs Or Replacements 1989

6. Identification Of Components Repairs Or Replacement Components

NAME OF COMPONENT	NAME OF MANUFACTURER	MANUFACTURER SERIAL NO.	NATIONAL BOARD NO.	OTHER IDENTIFICATION	YEAR BUILT	REPAIRED, REPLACED OR REPLACEMENT	ASME CODE STAMPED (YES OR NO)
PIPE SUPPORT	PULLMAN POWER PRODUCTS	N/A	N/A	V1-1301-106-H005	1987	REPLACEMENT	YES

7. Description Of Work Snubber AD-5501, serial # 411 was replaced with AD-5501, serial # 231 to support surveillance testing.

8. Tests Conducted: Hydrostatic  Pneumatic  Nominal Operating Pressure

N/A  Other  Pressure N/A PSI Test Temp. N/A °F

### CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp N/A

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

Signed N. S. Gualala, Test Leader Date 10/20/2003  
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 August 4, 2003 to 10-21-03, 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 Owners Report in accordance with the requirements of the ASME Code, Section XI.

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

M.B. Chapman Commissions GA203  
Inspector's Signature National Board, State, Province and Endorsements

Date 10-21-03

# ORIGINAL

## FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS

As Required By The Provisions Of The ASME Code Section XI

Traveler # 03033

Owner Southern Nuclear Operating Company

Date October 23, 2003

Name  
40 Inverness Center Parkway, Birmingham, AL

Sheet 1 of 1

2. Plant Vogtle Electric Generating Plant

Unit 1

Plant  
Waynesboro, GA 30830

MWO # 10203631 and A0100788

Address

Repair Organization P.O. No., Job No., etc.

3. Work Performed by Nuclear Operations Maintenance

Plant Vogtle

Name

Address

4. Identification Of System 1301 / Main Steam System

5. (a) Applicable Construction Code ASME Section III 1977 Edition, Winter 1977 Addenda, N-249-1 Code Case

(b) Applicable Edition of Section XI Utilized For Repairs Or Replacements 1989

6. Identification Of Components Repairs Or Replacement Components

NAME OF COMPONENT	NAME OF MANUFACTURER	MANUFACTURER SERIAL NO.	NATIONAL BOARD NO.	OTHER IDENTIFICATION	YEAR BUILT	REPAIRED, REPLACED OR REPLACEMENT	ASME CODE STAMPED (YES OR NO)
PIPE SUPPORT	PULLMAN POWER PRODUCTS	N/A	N/A	V1-1301-105-H006	1987	REPLACEMENT	YES

7. Description Of Work Snubber AD-5501, serial # 242 was replaced with AD-5501, serial # 444 to support surveillance testing. Also, installed replacement socket on AD-5501, serial # 444 (reference Traveler # 01088 and MWO # A0100788).

8. Tests Conducted: Hydrostatic  Pneumatic  Nominal Operating Pressure

N/A  Other  Pressure N/A PSI Test Temp. N/A °F

### CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp N/A

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

Signed W. B. Geisler Team Leader Date 10/24/2003  
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 August 28, 2001

to 10-27-03, 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 Owners Report in accordance with the requirements of the ASME Code, Section XI.

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

W. B. Chapman Commissions GA203  
Inspector's Signature National Board, State, Province and Endorsements

Date 10-27-03



# ORIGINAL

## FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS

As Required By The Provisions Of The ASME Code Section XI

Traveler # 03037  
3855 CZL 10/28/03

1. Owner Southern Nuclear Operating Company Date October 18, 2003  
Name  
40 Inverness Center Parkway, Birmingham, AL Sheet 1 of 1  
Address
2. Plant Vogtle Electric Generating Plant Unit 1  
Plant  
Waynesboro, GA 30830 MWO # 10203626  
Address Repair Organization P.O. No., Job No., etc.
3. Work Performed by Nuclear Operations Maintenance Plant Vogtle  
Name Address
4. Identification Of System 1302 / Auxillary Feedwater System
5. (a) Applicable Construction Code ASME Section III 1977 Edition, Winter 1977 Addenda, N-249-1 Code Case  
(b) Applicable Edition of Section XI Utilized For Repairs Or Replacements 1989
6. Identification Of Components Repairs Or Replacement Components

NAME OF COMPONENT	NAME OF MANUFACTURER	MANUFACTURER SERIAL NO.	NATIONAL BOARD NO.	OTHER IDENTIFICATION	YEAR BUILT	REPAIRED, REPLACED OR REPLACEMENT	ASME CODE STAMPED (YES OR NO)
PIPE SUPPORT	PULLMAN POWER PRODUCTS	N/A	N/A	V1-1302-107-H016	1987	REPLACEMENT	YES

7. Description Of Work Snubber AD-501, serial #524 was replaced with AD-501, serial #526 to support surveillance testing.

8. Tests Conducted: Hydrostatic  Pneumatic  Nominal Operating Pressure   
N/A  Other  Pressure N/A PSI Test Temp. N/A °F

### CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp N/A

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

Signed [Signature] Date 10/29/03  
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 August 6, 2003 to 10-21-03, 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 Owners Report in accordance with the requirements of the ASME Code, Section XI.

By signing this certificate, neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owners 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 GA203  
Inspector's Signature National Board, State, Province and Endorsements

Date 10-21-03

# ORIGINAL

## FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS

As Required By The Provisions Of The ASME Code Section XI

Traveler # 03066

- Owner Southern Nuclear Operating Company Date October 23, 2003  
 Name 40 Inverness Center Parkway, Birmingham, AL  
 Address
2. Plant Vogtle Electric Generating Plant Unit 1  
 Plant Waynesboro, GA 30830  
 Address MWO # 10203616 and A0001343  
 Repair Organization P.O. No., Job No., etc.
3. Work Performed by Nuclear Operations Maintenance Plant Vogtle  
 Name Address
4. Identification Of System 1201 / Reactor Coolant System
5. (a) Applicable Construction Code ASME Section III 1977 Edition, Winter 1977 Addenda, N/A Code Case  
 (b) Applicable Edition of Section XI Utilized For Repairs Or Replacements 1989
6. Identification Of Components Repairs Or Replacement Components

NAME OF COMPONENT	NAME OF MANUFACTURER	MANUFACTURER SERIAL NO.	NATIONAL BOARD NO.	OTHER IDENTIFICATION	YEAR BUILT	REPAIRED, REPLACED OR REPLACEMENT	ASME CODE STAMPED (YES OR NO)
PIPE SUPPORT	PULLMAN POWER PRODUCTS	N/A	N/A	V1-1201-049-H010	1987	REPLACEMENT	YES

7. Description Of Work Snubber PSA-100, serial # 2177 was replaced with PSA-100, serial # 2174 to support surveillance testing. Also, installed replacement end cap nut on PSA-100, serial # 2174 (reference Traveler # 01086 and MWO # A0001343).

1. Tests Conducted: Hydrostatic  Pneumatic  Nominal Operating Pressure   
 N/A  Other  Pressure N/A PSI Test Temp. N/A °F

**CERTIFICATE OF COMPLIANCE**

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

Type Code Symbol Stamp N/A

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

Signed [Signature] Date 10/24/2003  
 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 August 21, 2001 to 10-27-03, 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 Owners Report in accordance with the requirements of the ASME Code, Section XI.

By signing this certificate, neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owners 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 GA203  
 Inspector's Signature National Board, State, Province and Endorsements

Date 10-27-03

# ORIGINAL

## FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS

As Required By The Provisions Of The ASME Code Section XI

Traveler # 03081

- Owner Southern Nuclear Operating Company Date October 31, 2003  
Name 40 Inverness Center Parkway, Birmingham, AL  
Address
2. Plant Vogtle Electric Generating Plant Unit 1  
Plant Waynesboro, GA 30830  
Address MWO # 10202678  
Repair Organization P.O. No., Job No., etc.
3. Work Performed by Nuclear Operations Maintenance Plant Vogtle  
Name Address
4. Identification Of System 1205 / Residual Heat Removal System
5. (a) Applicable Construction Code ASME Section III 1977 Edition, Winter 1977 Addenda, N/A Code Case  
(b) Applicable Edition of Section XI Utilized For Repairs Or Replacements 1989
6. Identification Of Components Repairs Or Replacement Components

NAME OF COMPONENT	NAME OF MANUFACTURER	MANUFACTURER SERIAL NO.	NATIONAL BOARD NO.	OTHER IDENTIFICATION	YEAR BUILT	REPAIRED, REPLACED OR REPLACEMENT	ASME CODE STAMPED (YES OR NO)
1205 Piping System	PULLMAN POWER PRODUCTS	N/A	N/A	1K3-1205-007-05	1987	REPLACEMENT	YES
VALVE	Flowserve Corp.	E452T-1-2	N/A	1-1205-U4-021	2002	REPLACEMENT	YES

7. Description Of Work Replaced Dresser Valve (ser# H746AAN) with Flowserve valve (ser# E452T-1-2) in accordance REA 99-VAA633. Also replaced piping and elbow on ISO 1K3-1205-007-05 using WPCS 030485

8. Tests Conducted: Hydrostatic  Pneumatic  Nominal Operating Pressure   
N/A  Other  Pressure N/A PSI Test Temp. N/A °F

### CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp N/A

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

Signed [Signature] Date 11/4/2003  
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 October 6, 2003 to 11-4-03, 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 Owners Report in accordance with the requirements of the ASME Code, Section XI.

By signing this certificate, neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owners 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 GA203  
Inspector's Signature National Board, State, Province and Endorsements

Date 11-4-03

# ORIGINAL

## FORM N-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS

As Required By The Provisions Of The ASME Code Section XI

7

Traveler # 03083

1. Owner Southern Nuclear Operating Company Date 10/20/03  
Name 40 Inverness Center Parkway, Birmingham, AL Sheet 1 Of 3
2. Plant Vogtle Electric Generating Plant Unit 1  
Address Waynesboro, GA 30830 MWO # 10300555  
Repair Organization P.O. No., Job No., etc.
3. Work Performed by Nuclear Operations Maintenance Plant Vogtle  
Name Address
4. Identification Of System 1205 / Residual Heat Removal System
5. (a) Applicable Construction Code ASME SEC III 1977 Edition, Winter 1977 Addenda, N/A Code Case  
(b) Applicable Edition of Section XI Utilized For Repairs Or Replacements 1989 (Code Case N-416-1)
6. Identification Of Components Repairs Or Replacement Components

NAME OF COMPONENT	NAME OF MANUFACTURER	MANUFACTURER SERIAL NO.	NATIONAL BOARD NO.	OTHER IDENTIFICATION	YEAR BUILT	REPAIRED, REPLACED OR REPLACEMENT	ASME CODE STAMPED (YES OR NO)
VALVE	FLOWERVE CORP.	E452T-1-1	N/A	1-1205-U4-022	2001	REPLACEMENT	YES
1205 PIPING SYSTEM	PULLMAN POWER PRODUCTS	N/A	N/A	1K3-1205-007-05	1987	REPLACEMENT	YES

7. Description Of Work Installed replacement valve in accordance with MDC 03-V1M078. Copy of NPV-1 Form for the replacement valve is attached. Also, installed replacement pipe and elbow to facilitate valve replacement.

8. Test Conducted: Hydrostatic  Pneumatic  Nominal Operating Pressure  Code Case N-416-1  
Other  Pressure N/A PSI Test Temp. N/A °F

### CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp N/A

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

Signed [Signature] Team Leader Date 10/20/2003  
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 10/06/03 to 10-22-03, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owners Report in accordance with the requirements of the ASME Code, Section XI.

By signing this certificate, neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owners 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 GA203  
Inspector's Signature National Board, State, Province and Endorsements

Date 10-22-03



FORM NPV-1 (back)

8. Remarks \_\_\_\_\_

9. Design conditions 2735 psi 680 °F or valve pressure class 1878 (11)  
(pressure) (temperature)

10. Cold working pressure 4507 psi at 100°F

11. Hydrostatic test 6775 psi. Disk differential test pressure 4958 psi

CERTIFICATION OF DESIGN

Design Specification certified by F.A. Bensinger P.E. State PA Reg. no. PE31002E  
Design Report certified by N/A P.E. State \_\_\_\_\_ Reg. no. \_\_\_\_\_

CERTIFICATE OF SHOP COMPLIANCE

We certify that the statements made in this report are correct and that this pump or valve conforms to the rules for construction of the ASME Code, Section III, Division 1.

N Certificate of Authorization No. N1712 Expires 4/15/04

Date 12-19-01 Name Flowserve Corporation Signed PK Decker  
(N Certificate Holder) (authorized representative)

CERTIFICATE OF SHOP 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 Pennsylvania and employed by Commercial Union Ins. Co. of Boston, MA. have inspected the pump, or valve, described in this Data Report on 10-11-01 to 12-19-01, and state that to the best of my knowledge and belief, the Certificate Holder has constructed this pump, or valve, in accordance with the ASME Code, Section III, Division 1.

By signing this certificate, neither the inspector nor his employer makes any warranty, expressed or implied, concerning the component described in this Data 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.

Date 12-19-01 Signed Charles Youl Commission Pennsylvania 2392 256  
(authorized inspector) (Nat'l. Bd. Incl. endorsement state or prov. and no.)

(1) For manually operated valves only.

# ORIGINAL

## FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS

As Required By The Provisions Of The ASME Code Section XI

Traveler # 03084

Owner Southern Nuclear Operating Company Date October 31, 2003  
 Name 40 Inverness Center Parkway, Birmingham, AL  
 Address

2. Plant Vogtle Electric Generating Plant Unit 1  
 Plant Waynesboro, GA 30830  
 Address MWO # 10202678  
 Repair Organization P.O. No., Job No., etc.

3. Work Performed by Nuclear Operations Maintenance Plant Vogtle  
 Name Address

4. Identification Of System 1205 / Residual Heat Removal System

5. (a) Applicable Construction Code ASME Section III 1977 Edition, Winter 1977 Addenda, N/A Code Case  
 (b) Applicable Edition of Section XI Utilized For Repairs Or Replacements 1989

### 6. Identification Of Components Repairs Or Replacement Components

NAME OF COMPONENT	NAME OF MANUFACTURER	MANUFACTURER SERIAL NO.	NATIONAL BOARD NO.	OTHER IDENTIFICATION	YEAR BUILT	REPAIRED, REPLACED OR REPLACEMENT	ASME CODE STAMPED (YES OR NO)
PIPE SUPPORT	PULLMAN POWER PRODUCTS	N/A	N/A	V1-1205-030-H006	1987	REPLACEMENT	YES

7. Description Of Work Pipe support V1-1205-030-H006 was cutout and rewelded using WPCS 030523.

8. Tests Conducted: Hydrostatic  Pneumatic  Nominal Operating Pressure   
 N/A  Other  Pressure N/A PSI Test Temp. N/A °F

### CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp N/A

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

Signed [Signature] Date 11/4/2003  
 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 October 7, 2003 to 11-4-03, 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 Owners Report in accordance with the requirements of the ASME Code, Section XI.

By signing this certificate, neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owners 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 GA203  
 Inspector's Signature National Board, State, Province and Endorsements

Date 11-4-03

# ORIGINAL

## FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS

As Required By The Provisions Of The ASME Code Section XI

Traveler # 03085

1. Owner Southern Nuclear Operating Company Date 10/20/03  
Name 40 Inverness Center Parkway, Birmingham, AL Sheet 1 Of 1
2. Plant Vogtle Electric Generating Plant Unit 1  
Address Waynesboro, GA 30830 MWO # 10300555  
Repair Organization P.O. No., Job No., etc.
3. Work Performed by Nuclear Operations Maintenance Plant Vogtle  
Name Address
4. Identification Of System 1205 / Residual Heat Removal System
5. (a) Applicable Construction Code ASME SEC III 1977 Edition, Winter 1977 Addenda, N/A Code Case  
(b) Applicable Edition of Section XI Utilized For Repairs Or Replacements 1989
6. Identification Of Components Repairs Or Replacement Components

NAME OF COMPONENT	NAME OF MANUFACTURER	MANUFACTURER SERIAL NO.	NATIONAL BOARD NO.	OTHER IDENTIFICATION	YEAR BUILT	REPAIRED, REPLACED OR REPLACEMENT	ASME CODE STAMPED (YES OR NO)
PIPE SUPPORT	PULLMAN POWER PRODUCTS	N/A	N/A	V1-1205-012-H007	1987	REPLACEMENT	YES

7. Description Of Work The one-direction double acting plate restraint was removed and re-installed by welding to facilitate replacement of valve 1-1205-U4-021.

8. Test Conducted: Hydrostatic  Pneumatic  Nominal Operating Pressure   
Other  Pressure N/A PSI Test Temp. N/A °F  
N/A

### CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp N/A

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

Signed [Signature] Team Leader Date 10/20/2003  
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 10/06/03 to 10-22-03, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owners Report in accordance with the requirements of the ASME Code, Section XI.

By signing this certificate, neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owners 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 GA203  
Inspector's Signature National Board, State, Province and Endorsements

Date 10-22-03



# ORIGINAL

## FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS

As Required By The Provisions Of The ASME Code Section XI

Traveler # 03086

1. Owner Southern Nuclear Operating Company Date January 8, 2004  
Name 40 Inverness Center Parkway, Birmingham, AL Sheet 1 of 1  
Address
2. Plant Vogtle Electric Generating Plant Unit 1  
Plant Waynesboro, GA 30830 MWO # 10200677  
Address Repair Organization P.O. No., Job No., etc.
3. Work Performed by Nuclear Operations Maintenance Plant Vogtle  
Name Address
4. Identification Of System 1305 / Condensate & Feedwater System
5. (a) Applicable Construction Code ASME Section III 1977 Edition, Winter 1977 Addenda, N/A Code Case  
(b) Applicable Edition of Section XI Utilized For Repairs Or Replacements 1989
6. Identification Of Components Repairs Or Replacement Components

NAME OF COMPONENT	NAME OF MANUFACTURER	MANUFACTURER SERIAL NO.	NATIONAL BOARD NO.	OTHER IDENTIFICATION	YEAR BUILT	REPAIRED, REPLACED OR REPLACEMENT	ASME CODE STAMPED (YES OR NO)
1305 PIPING	PULLMAN POWER PRODUCTS	N/A	N/A	1-1305-L4-087	1987	REPLACEMENT	NO

7. Description Of Work Perform weld build-up on pipe restraint forging to facilitate the weld joint fit-up with upstream pipe elbow.

8. Tests Conducted: Hydrostatic  Pneumatic  Nominal Operating Pressure   
N/A  Other  Pressure N/A PSI Test Temp. N/A °F

### CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp N/A

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

Signed N. S. ... Date 01/21/2004  
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 October 7, 2003 to 1-22-04, 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 Owners Report in accordance with the requirements of the ASME Code, Section XI.

By signing this certificate, neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owners 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 [Signature] Commissions GA 203  
National Board, State, Province and Endorsements

Date 1-22-04

# ORIGINAL

## FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS

As Required By The Provisions Of The ASME Code Section XI

Traveler # 03087

1. Owner Southern Nuclear Operating Company Date 11/03/03  
Name  
40 Inverness Center Parkway, Birmingham, AL Sheet 1 Of 1
2. Plant Vogtle Electric Generating Plant Unit 1  
Waynesboro, GA 30830 MWO # 10300059  
Address Repair Organization P.O. No., Job No., etc.
3. Work Performed by Nuclear Operations Maintenance Plant Vogtle  
Name Address
4. Identification Of System 1205 / Residual Heat Removal System
5. (a) Applicable Construction Code ASME SEC III 1971 Edition, Summer 1972 Addenda, 1649 Code Case  
(b) Applicable Edition of Section XI Utilized For Repairs Or Replacements 1989
6. Identification Of Components Repairs Or Replacement Components

NAME OF COMPONENT	NAME OF MANUFACTURER	MANUFACTURER SERIAL NO.	NATIONAL BOARD NO.	OTHER IDENTIFICATION	YEAR BUILT	REPAIRED, REPLACED OR REPLACEMENT	ASME CODE STAMPED (YES OR NO)
PUMP	INGERSOLL-RAND CO.	087729	511	1-1205-P6-002	1979	REPLACEMENT	YES

7. Description Of Work Installed replacement mechanical seal / gland ring assembly on pump due to seal leakage identified by CR# 2002003429. The ANII was not notified prior to starting this replacement activity as documented by CR# 2003003194.

8. Test Conducted: N/A  Hydrostatic  Pneumatic  Nominal Operating Pressure   
Other  Pressure N/A PSI Test Temp. N/A °F

### CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp N/A

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

Signed [Signature] Team Leader Date 11/4/2003  
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 11-4-03 to 11-4-03, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owners Report in accordance with the requirements of the ASME Code, Section XI.

By signing this certificate, neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owners 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 GA703  
Inspector's Signature National Board, State, Province and Endorsements

Date 11-4-03

# ORIGINAL

## FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS

As Required By The Provisions Of The ASME Code Section XI

Traveler # 03089

1. Owner Southern Nuclear Operating Company Date October 18, 2003  
Name 40 Inverness Center Parkway, Birmingham, AL  
Address
2. Plant Vogtle Electric Generating Plant Unit 1  
Plant Waynesboro, GA 30830  
Address MWO # 10302685  
Repair Organization P.O. No., Job No., etc.
3. Work Performed by Nuclear Operations Maintenance Plant Vogtle  
Name Address

4. Identification Of System 1208 / Chemical & Volume Control System
5. (a) Applicable Construction Code ASME Section III 1977 Edition, Winter 1977 Addenda, N-249-1 Code Case  
(b) Applicable Edition of Section XI Utilized For Repairs Or Replacements 1989
6. Identification Of Components Repairs Or Replacement Components

NAME OF COMPONENT	NAME OF MANUFACTURER	MANUFACTURER SERIAL NO.	NATIONAL BOARD NO.	OTHER IDENTIFICATION	YEAR BUILT	REPAIRED, REPLACED OR REPLACEMENT	ASME CODE STAMPED (YES OR NO)
PIPE SUPPORT	PULLMAN POWER PRODUCTS	N/A	N/A	V1-1208-002-H050	1987	REPLACEMENT	YES

7. Description Of Work Snubber AD-501, serial # 565 was replaced with AD-501, serial # 168 to support surveillance testing.

8. Tests Conducted: Hydrostatic  Pneumatic  Nominal Operating Pressure   
N/A  Other  Pressure N/A PSI Test Temp. N/A °F

### CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp N/A

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

Signed [Signature] Date 10/20/2003  
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 October 8, 2003 to 10-21-03, 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 Owners Report in accordance with the requirements of the ASME Code, Section XI.

By signing this certificate, neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owners 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 [Signature] Commissions GA203  
National Board, State, Province and Endorsements

Date 10-21-03

# ORIGINAL

## FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS

As Required By The Provisions Of The ASME Code Section XI

Traveler # 03091

Owner Southern Nuclear Operating Company Date October 18, 2003  
Name 40 Inverness Center Parkway, Birmingham, AL  
Address  
2. Plant Vogtle Electric Generating Plant Unit 1  
Plant Waynesboro, GA 30830 MWO # 10301159  
Address Repair Organization P.O. No., Job No., etc.

3. Work Performed by Nuclear Operations Maintenance Plant Vogtle  
Name Address

4. Identification Of System 1208 / Chemical & Volume Control System

5. (a) Applicable Construction Code ASME Section III 1977 Edition, Winter 1977 Addenda, N-249-1 Code Case  
(b) Applicable Edition of Section XI Utilized For Repairs Or Replacements 1989

6. Identification Of Components Repairs Or Replacement Components

NAME OF COMPONENT	NAME OF MANUFACTURER	MANUFACTURER SERIAL NO.	NATIONAL BOARD NO.	OTHER IDENTIFICATION	YEAR BUILT	REPAIRED, REPLACED OR REPLACEMENT	ASME CODE STAMPED (YES OR NO)
PIPE SUPPORT	PULLMAN POWER PRODUCTS	N/A	N/A	V1-1208-002-H035	1987	REPLACEMENT	YES

7. Description Of Work Snubber AD-151, serial # 525 was replaced with AD-151, serial # 542 to support surveillance testing.

8. Tests Conducted: Hydrostatic  Pneumatic  Nominal Operating Pressure   
N/A  Other  Pressure N/A PSI Test Temp. N/A °F

**CERTIFICATE OF COMPLIANCE**

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

Type Code Symbol Stamp N/A

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

Signed W. J. Guelat, Team leader Date 10/20/2003  
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 October 8, 2003 to 10-21-03, 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 Owners Report in accordance with the requirements of the ASME Code, Section XI.

By signing this certificate, neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owners 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.

WJB Chapman Commissions GA 203  
Inspector's Signature National Board, State, Province and Endorsements

Date 10-21-03

# ORIGINAL

## FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS

As Required By The Provisions Of The ASME Code Section XI

Traveler # 03092

1. Owner Southern Nuclear Operating Company Date October 15, 2003  
 Name 40 Inverness Center Parkway, Birmingham, AL  
 Address Waynesboro, GA 30830

Sheet 1 of 1

2. Plant Vogtle Electric Generating Plant Unit 1  
 Plant Waynesboro, GA 30830  
 Address Waynesboro, GA 30830 MWO # 10302711  
 Repair Organization P.O. No., Job No., etc.

3. Work Performed by Nuclear Operations Maintenance Plant Vogtle  
 Name Nuclear Operations Maintenance Address Waynesboro, GA 30830

4. Identification Of System 1302 / Auxiliary Feedwater System

5. (a) Applicable Construction Code ASME Section III 1977 Edition, Winter 1977 Addenda, N-249-1 Code Case  
 (b) Applicable Edition of Section XI Utilized For Repairs Or Replacements 1989

6. Identification Of Components Repairs Or Replacement Components

NAME OF COMPONENT	NAME OF MANUFACTURER	MANUFACTURER SERIAL NO.	NATIONAL BOARD NO.	OTHER IDENTIFICATION	YEAR BUILT	REPAIRED, REPLACED OR REPLACEMENT	ASME CODE STAMPED (YES OR NO)
PIPE SUPPORT	PULLMAN POWER PRODUCTS	N/A	N/A	V1-1302-108-H017	1987	REPLACEMENT	YES

7. Description Of Work Snubber AD-501, serial # 407 was replaced with AD-501, serial #160 to support surveillance testing.

8. Tests Conducted: Hydrostatic  Pneumatic  Nominal Operating Pressure   
 N/A  Other  Pressure N/A PSI Test Temp. N/A °F

### CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp N/A

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

Signed Ten Leader Date 10/16/03  
 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 October 9, 2003 to 10-21-03, 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 Owners Report in accordance with the requirements of the ASME Code, Section XI.

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

M.B. Chapman Commissions GA203  
 Inspector's Signature National Board, State, Province and Endorsements

Date 10-21-03

# ORIGINAL

## FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS

As Required By The Provisions Of The ASME Code Section XI

Traveler # 03093

1. Owner Southern Nuclear Operating Company Date October 15, 2003  
 Name 40 Inverness Center Parkway, Birmingham, AL  
 Address

2. Plant Vogtle Electric Generating Plant Unit 1  
 Plant Waynesboro, GA 30830  
 Address MWO # 10302710  
 Repair Organization P.O. No., Job No., etc.

3. Work Performed by Nuclear Operations Maintenance Plant Vogtle  
 Name Address

4. Identification Of System 1204 / Safety Injection System

5. (a) Applicable Construction Code ASME Section III 1977 Edition, Winter 1977 Addenda, N-249-1 Code Case  
 (b) Applicable Edition of Section XI Utilized For Repairs Or Replacements 1989

6. Identification Of Components Repairs Or Replacement Components

NAME OF COMPONENT	NAME OF MANUFACTURER	MANUFACTURER SERIAL NO.	NATIONAL BOARD NO.	OTHER IDENTIFICATION	YEAR BUILT	REPAIRED, REPLACED OR REPLACEMENT	ASME CODE STAMPED (YES OR NO)
PIPE SUPPORT	PULLMAN POWER PRODUCTS	N/A	N/A	V1-1204-246-H001	1987	REPLACEMENT	YES

7. Description Of Work Snubber AD-43, serial # 404 was replaced with AD-43, serial #294 to support surveillance testing.

8. Tests Conducted: Hydrostatic  Pneumatic  Nominal Operating Pressure   
 N/A  Other  Pressure N/A PSI Test Temp. N/A °F

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp N/A

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

Signed [Signature] Date 10/16/03  
 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 October 9, 2003 to 10-21-03, 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 Owners Report in accordance with the requirements of the ASME Code, Section XI.

By signing this certificate, neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owners 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 GA203  
 Inspector's Signature National Board, State, Province and Endorsements

Date 10-21-03

# ORIGINAL

## FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS

As Required By The Provisions Of The ASME Code Section XI

Traveler # 03094

1. Owner Southern Nuclear Operating Company Date October 15, 2003  
Name  
40 Inverness Center Parkway, Birmingham, AL Sheet 1 of 1  
Address  
2. Plant Vogtle Electric Generating Plant Unit 1  
Plant  
Waynesboro, GA 30830 MWO # 10302697  
Address Repair Organization P.O. No., Job No., etc.  
3. Work Performed by Nuclear Operations Maintenance Plant Vogtle  
Name Address

4. Identification Of System 1301 / Main Steam System

5. (a) Applicable Construction Code ASME Section III 1977 Edition, Winter 1977 Addenda, N-249-1 Code Case  
(b) Applicable Edition of Section XI Utilized For Repairs Or Replacements 1989

6. Identification Of Components Repairs Or Replacement Components

NAME OF COMPONENT	NAME OF MANUFACTURER	MANUFACTURER SERIAL NO.	NATIONAL BOARD NO.	OTHER IDENTIFICATION	YEAR BUILT	REPAIRED, REPLACED OR REPLACEMENT	ASME CODE STAMPED (YES OR NO)
PIPE SUPPORT	PULLMAN POWER PRODUCTS	N/A	N/A	V1-1301-176-H003	1987	REPLACEMENT	YES

7. Description Of Work Snubber AD-503, serial # 691 was replaced with AD-503, serial #202 to support surveillance testing.

8. Tests Conducted: Hydrostatic  Pneumatic  Nominal Operating Pressure   
N/A  Other  Pressure N/A PSI Test Temp. N/A °F

### CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp N/A

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

Signed N. B. Chapman, Team Leader Date 10/16/2003  
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 October 9, 2003 to 10-21-03, 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 Owners Report in accordance with the requirements of the ASME Code, Section XI.

By signing this certificate, neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owners 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.

N. B. Chapman Commissions GA201  
Inspector's Signature National Board, State, Province and Endorsements

Date 10-21-03

ORIGINAL

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

Traveler # 03096

1. Owner Southern Nuclear Operating Company Date November 17, 2003

Name 40 Inverness Center Parkway, Birmingham, AL  
Address

Sheet 1 of 1

2. Plant Vogtle Electric Generating Plant Unit 1

Plant Waynesboro, GA 30830  
Address

MWO # 10300058

Repair Organization P.O. No., Job No., etc.

3. Work Performed by Nuclear Operations Maintenance Plant Vogtle  
Name Address

4. Identification Of System 1205 / Residual Heat Removal System

5. (a) Applicable Construction Code ASME Section III 1977 Edition, Winter 1977 Addenda, N/A Code Case  
(b) Applicable Edition of Section XI Utilized For Repairs Or Replacements 1989

6. Identification Of Components Repairs Or Replacement Components

NAME OF COMPONENT	NAME OF MANUFACTURER	MANUFACTURER SERIAL NO.	NATIONAL BOARD NO.	OTHER IDENTIFICATION	YEAR BUILT	REPAIRED, REPLACED OR REPLACEMENT	ASME CODE STAMPED (YES OR NO)
Mechanical Seal Gland	INGERSOLL-DRESSER	K661570/9/02	N/A	1N514	1999	REPLACEMENT	YES

7. Description Of Work Replace Mechanical Seal Gland

8. Tests Conducted: Hydrostatic  Pneumatic  Nominal Operating Pressure

N/A  Other  Pressure N/A PSI Test Temp. N/A °F

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp N/A

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

Signed [Signature] Date 11/17/2003  
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 October 10, 2003 to 11-17-03, 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 Owners Report in accordance with the requirements of the ASME Code, Section XI.

By signing this certificate, neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owners 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 GA203  
Inspector's Signature National Board, State, Province and Endorsements

Date 11-17-03

224  
11/17/03





# ORIGINAL

## FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS

As Required By The Provisions Of The ASME Code Section XI

Traveler # 03102

1. Owner Southern Nuclear Operating Company Date October 23, 2003  
Name 40 Inverness Center Parkway, Birmingham, AL  
Address
2. Plant Vogtle Electric Generating Plant Unit 1  
Plant Waynesboro, GA 30830 MWO # 10302743  
Address Repair Organization P.O. No., Job No., etc.
3. Work Performed by Nuclear Operations Maintenance Plant Vogtle  
Name Address
4. Identification Of System 1302 / Auxilliary Feedwater System
5. (a) Applicable Construction Code ASME Section III 1977 Edition, Winter 1977 Addenda, N-249-1 Code Case  
(b) Applicable Edition of Section XI Utilized For Repairs Or Replacements 1989
6. Identification Of Components Repairs Or Replacement Components

NAME OF COMPONENT	NAME OF MANUFACTURER	MANUFACTURER SERIAL NO.	NATIONAL BOARD NO.	OTHER IDENTIFICATION	YEAR BUILT	REPAIRED, REPLACED OR REPLACEMENT	ASME CODE STAMPED (YES OR NO)
PIPE SUPPORT	PULLMAN POWER PRODUCTS	N/A	N/A	V1-1302-108-H019	1987	REPLACEMENT	YES

7. Description Of Work Snubber AD-501, serial # 163 was replaced with AD-501, serial # 369 to support surveillance testing.

8. Tests Conducted: Hydrostatic  Pneumatic  Nominal Operating Pressure   
N/A  Other  Pressure N/A PSI Test Temp. N/A °F

### CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp N/A

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

Signed W. B. Chapman, Team Leader Date 10/24/2003  
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 October 12, 2003 to 10-27-03, 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 Owners Report in accordance with the requirements of the ASME Code, Section XI.

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

W. B. Chapman Commissions GA 203  
Inspector's Signature National Board, State, Province and Endorsements

Date 10-27-03

FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS

As Required By The Provisions Of The ASME Code Section XI

Traveler # 03103

Owner Southern Nuclear Operating Company
Name
40 Inverness Center Parkway, Birmingham, Ala.

Date 10/18/03

Sheet 1 Of 1

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

Unit 1

MWO # 10302744
Repair Organization P.O. No., Job No., etc.

3. Work Performed by Nuclear Operations Maintenance
Name

Plant Vogtle
Address

4. Identification Of System 1208 / Charging System

5. (a) Applicable Construction Code ASME SEC III 1977 Edition, Winter 77 Addenda, N-249-1 Code Case
(b) Applicable Edition of Section XI Utilized For Repairs Or Replacements 1989

6. Identification Of Components Repairs Or Replacement Components

Table with 8 columns: NAME OF COMPONENT, NAME OF MANUFACTURER, MANUFACTURER SERIAL NO., NATIONAL BOARD NO., OTHER IDENTIFICATION, YEAR BUILT, REPAIRED, REPLACED OR REPLACEMENT, ASME CODE STAMPED (YES OR NO). Row 1: PIPE SUPPORT, Pullman Power Products, N/A, N/A, 1-1208-011-H045, 1987, REPLACEMENT, YES. Row 2: N/A, N/A, N/A, N/A, N/A, N/A, N/A, N/A.

7. Description Of Work Snubber AD-1601 serial # 542 was replaced with snubber AD-1601 serial # 855 to support surveillance testing.

8. Test Conducted: Hydrostatic [ ] Pneumatic [ ] Nominal Operating Pressure [ ]
Other [ ] Pressure N/A PSI Test Temp. N/A °F

CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this REPLACEMENT Conforms to the rules of the ASME Code, Section XI. Repair or replacement

Type Code Symbol Stamp N/A

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

Signed [Signature] Date 10/20/2003
Owner or Owner's Designee, Title WSC 10/20/03

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 Hartford, Connecticut have inspected the components described in this Owner's Report during the period 08/05/03 10/12/03 10/14/03 to 10-21-03, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owners Report in accordance with the requirements of the ASME Code, Section XI.

By signing this certificate, neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owners 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 GA203
Inspector's Signature National Board, State, Province and Endorsements

Date 10-21- 19 03

ORIGINAL

FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS

As Required By The Provisions Of The ASME Code Section XI

Traveler # 03104

1. Owner Southern Nuclear Operating Company
Name
40 Inverness Center Parkway, Birmingham, AL
Address
2. Plant Vogtle Electric Generating Plant
Plant
Waynesboro, GA 30830
Address
3. Work Performed by Nuclear Operations Maintenance
Name
Plant Vogtle
Address

4. Identification Of System 1305 / CONDENSATE SYSTEM
5. (a) Applicable Construction Code ASME Section III 1977 Edition, Winter 1977 Addenda, N/A Code Case
(b) Applicable Edition of Section XI Utilized For Repairs Or Replacements 1989

6. Identification Of Components Repairs Or Replacement Components

Table with 8 columns: NAME OF COMPONENT, NAME OF MANUFACTURER, MANUFACTURER SERIAL NO., NATIONAL BOARD NO., OTHER IDENTIFICATION, YEAR BUILT, REPAIRED, REPLACED OR REPLACEMENT, ASME CODE STAMPED (YES OR NO). Row 1: 1305 PIPING SYSTEM, PULLMAN POWER PRODUCTS, N/A, N/A, 1K5-1305-062-02, 1988, REPLACEMENT, YES.

7. Description Of Work Replace studs and nuts in piping flanges on line 1-1305-064-16.

8. Tests Conducted: Hydrostatic [ ] Pneumatic [ ] Nominal Operating Pressure [ ]
N/A [x] Other [ ] Pressure N/A PSI Test Temp. N/A °F

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp N/A

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

12/15/03
Signed W. E. ... Team leader Date 12/15/03
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 October 14, 2003 to 1-5-04, 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 Owners Report in accordance with the requirements of the ASME Code, Section XI.

By signing this certificate, neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owners 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 W. E. Chapman Commissions GA 2003 National Board, State, Province and Endorsements

Date 1-5-04

# ORIGINAL

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

Traveler # 03105

1. Owner Southern Nuclear Operating Company Date November 11, 2003  
 Name 40 Inverness Center Parkway, Birmingham, AL  
 Address Waynesboro, GA 30830

Sheet 1 of 1

2. Plant Vogtle Electric Generating Plant Unit 1  
 Plant Waynesboro, GA 30830 MWO # 10300260  
 Address Repair Organization P.O. No., Job No., etc.

3. Work Performed by Nuclear Operations Maintenance Plant Vogtle  
 Name Plant Vogtle  
 Address Address

4. Identification Of System 1201 / Reactor Coolant System

5. (a) Applicable Construction Code ASME Section III 1977 Edition, Winter 1977 Addenda, N/A Code Case  
 (b) Applicable Edition of Section XI Utilized For Repairs Or Replacements 1989

6. Identification Of Components Repairs Or Replacement Components

NAME OF COMPONENT	NAME OF MANUFACTURER	MANUFACTURER SERIAL NO.	NATIONAL BOARD NO.	OTHER IDENTIFICATION	YEAR BUILT	REPAIRED, REPLACED OR REPLACEMENT	ASME CODE STAMPED (YES OR NO)
STUD	VITCO NUCLEAR PRODUCTS	N/A	N/A	ATY	1991	REPLACEMENT	YES

7. Description Of Work Replace Steam Generator Stud at locatlon HL3.

8. Tests Conducted: Hydrostatic  Pneumatic  Nominal Operating Pressure   
 N/A  Other  Pressure N/A PSI Test Temp. N/A °F

### CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp N/A

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

Signed [Signature] Date 11/18/2003  
 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 October 14, 2003 to 11-19-03, 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 Owners Report in accordance with the requirements of the ASME Code, Section XI.

By signing this certificate, neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owners 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 GA203  
 Inspector's Signature National Board, State, Province and Endorsements

Date 11-19-03

C-2492  
11/11/03

ORIGINAL

FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS

As Required By The Provisions Of The ASME Code Section XI

Traveler # 03106

- 1. Owner Southern Nuclear Operating Company
Date January 12, 2004
2. Plant Vogtle Electric Generating Plant
Unit 1
3. Work Performed by Nuclear Operations Maintenance
Plant Vogtle
4. Identification Of System 1305 / Condensate System
5. (a) Applicable Construction Code ASME Section III 1977 Edition, Winter 1977 Addenda, N/A Code Case
6. Identification Of Components Repairs Or Replacement Components

Table with 8 columns: NAME OF COMPONENT, NAME OF MANUFACTURER, MANUFACTURER SERIAL NO., NATIONAL BOARD NO., OTHER IDENTIFICATION, YEAR BUILT, REPAIRED, REPLACED OR REPLACEMENT, ASME CODE STAMPED (YES OR NO). Row 1: 1305 PIPING SYSTEM, PULLMAN POWER PRODUCTS, N/A, N/A, 1K5-1305-058-01, 1987, REPLACEMENT, NO.

7. Description Of Work Replace studs and nuts at 4" blind flange on piping line 1305-060.

8. Tests Conducted: Hydrostatic [ ] Pneumatic [ ] Nominal Operating Pressure [ ]
N/A [x] Other [ ] Pressure N/A PSI Test Temp. N/A °F

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp N/A

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

Signed [Signature] Date 01/21/2004
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 October 14, 2003 to 1-22-04, 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 Owners Report in accordance with the requirements of the ASME Code, Section XI.

By signing this certificate, neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owners 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] M.B. Chapman Commissions GA 203
Inspector's Signature National Board, State, Province and Endorsements

Date 1-22-04

Call 1/22/04

# FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS

As Required By The Provisions Of The ASME Code Section XI

Traveler # 03109

1. Owner Southern Nuclear Operating Company Date 10/31/03  
 Name 40 Inverness Center Parkway, Birmingham, AL  
 Sheet 1 Of 3
2. Plant Vogtle Electric Generating Plant Unit 1  
Waynesboro, GA 30830 MWO # 10302794 and 10302795  
 Address Repair Organization P.O. No., Job No., etc.
3. Work Performed by Nuclear Operations Maintenance Plant Vogtle  
 Name Address
4. Identification Of System 2420 / Instrument Air System
5. (a) Applicable Construction Code ASME SEC III 1974 Edition, Summer 1975 Addenda, N/A Code Case  
 (b) Applicable Edition of Section XI Utilized For Repairs Or Replacements 1989 Code Case N-416-1

6. Identification Of Components Repairs Or Replacement Components

NAME OF COMPONENT	NAME OF MANUFACTURER	MANUFACTURER SERIAL NO.	NATIONAL BOARD NO.	OTHER IDENTIFICATION	YEAR BUILT	REPAIRED, REPLACED OR REPLACEMENT	ASME CODE STAMPED (YES OR NO)
VALVE	FLOWERVE CORP.	E798A-1-3	N/A	1-2420-U4-049	1999	REPLACED	YES
VALVE	ROCKWELL INTERNATIONAL CORP.	86ABV	N/A	1-2420-U4-049	1989	REPLACEMENT	YES

7. Description Of Work Installed replacement valve in accordance with DCP 03-V1N0024. A copy of Form NPV-1 for the replacement valve is attached. A cover-to-body locking weld was completed on the replacement valve under Traveler# 03108 and MWO# 10302795.

8. Test Conducted: Hydrostatic  Pneumatic  Nominal Operating Pressure  Code Case N-416-1  
 N/A  Other  Pressure N/A PSI Test Temp. N/A °F

### CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp N/A

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

Signed [Signature] Team Leader Date 11/03/2003  
 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 10/17/03 to 11-4-03, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owners Report in accordance with the requirements of the ASME Code, Section XI.

By signing this certificate, neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owners 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 GA203  
 Inspector's Signature National Board, State, Province and Endorsements

Date 11-4-03

2003 11/03





FORM NPV-1 (back)

MIR 8.9 350 0.6

8. Remarks Check Valve

Rockwell S.O. 136-60215

9. Design Conditions 2270 psi 800 F. G. Valve pressure class 1521

10. Code work pressure 3650 psia 100°F

11. Hydro test 5475 psi 3650 psi

CERTIFICATION OF DESIGN

Code Specification called by Surrendra K. Gupta P.E. State GA Reg. no. 13717  
Design called by Ricky E. Spears P.E. State TX Reg. no. 57980

CERTIFICATE OF SHOP COMPLIANCE

We certify that all elements made in the shop are correct and conform to the design and construction of the ASME Code, Section I, Division 1.

Design No. 31727 Date 1/25/91  
By Rockwell International Corp.

CERTIFICATE OF SHOP INSPECTION

This work was inspected by North Carolina and approved by HSEI, Inc.

Inspected by [Signature] Date 13-2-89  
By [Signature] Date 12-10-83

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

Traveler # 03110

- 1. Owner Southern Nuclear Operating Company Date 10/22/03  
Name 40 Inverness Center Parkway, Birmingham, AL Sheet 1 Of 1
- 2. Plant Vogtle Electric Generating Plant Unit 1  
Address Waynesboro, GA 30830 MWO # 10203672  
Repair Organization P.O. No., Job No., etc.
- 3. Work Performed by Nuclear Operations Maintenance Plant Vogtle  
Name Address
- 4. Identification Of System 1201 / Reactor Coolant System
- 5. (a) Applicable Construction Code ASME SEC III 1977 Edition, Winter 1977 Addenda, N/A Code Case  
(b) Applicable Edition of Section XI Utilized For Repairs Or Replacements 1989
- 6. Identification Of Components Repairs Or Replacement Components

NAME OF COMPONENT	NAME OF MANUFACTURER	MANUFACTURER SERIAL NO.	NATIONAL BOARD NO.	OTHER IDENTIFICATION	YEAR BUILT	REPAIRED, REPLACED OR REPLACEMENT	ASME CODE STAMPED (YES OR NO)
PIPE SUPPORT	PULLMAN POWER PRODUCTS	N/A	N/A	V1-1201-030-H044	1987	REPLACEMENT	YES

7. Description Of Work A load pin was replaced prior to notifying the ANII of intended replacement activity as identified by CR# 2003003142.

8. Test Conducted: Hydrostatic  Pneumatic  Nominal Operating Pressure   
Other  Pressure N/A PSI Test Temp. N/A °F  
N/A

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp N/A

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

Signed [Signature] Team Leader Date 10/28/2003  
Owner or Owner's Designee, Title

Done 10/22/03

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 10/21/03 to 11-10-03, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owners Report in accordance with the requirements of the ASME Code, Section XI.

By signing this certificate, neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owners 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 GA203  
Inspector's Signature National Board, State, Province and Endorsements

Date 11-10-03

# ORIGINAL

## FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS

As Required By The Provisions Of The ASME Code Section XI

Traveler # 03129

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

Date March 25, 2004  
Sheet 1 of 1

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

Unit 1  
MWO # 10303008  
Repair Organization P.O. No., Job No., etc.

3. Work Performed by Nuclear Operations Maintenance  
Name

Plant Vogtle  
Address

4. Identification Of System 1302 / Auxillary Feedwater

5. (a) Applicable Construction Code ASME Section III 1977 Edition, Winter 1977 Addenda, N/A Code Case  
(b) Applicable Edition of Section XI Utilized For Repairs Or Replacements 1989

6. Identification Of Components Repairs Or Replacement Components

NAME OF COMPONENT	NAME OF MANUFACTURER	MANUFACTURER SERIAL NO.	NATIONAL BOARD NO.	OTHER IDENTIFICATION	YEAR BUILT	REPAIRED, REPLACED OR REPLACEMENT	ASME CODE STAMPED (YES OR NO)
Valve	Fisher	7854058	N/A	1-HV5132	1977	REPLACEMENT	NO

7. Description Of Work Replace valve primary plug.

8. Tests Conducted: Hydrostatic  Pneumatic  Nominal Operating Pressure   
N/A  Other  Pressure N/A PSI Test Temp. N/A °F

### CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp N/A

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

Signed [Signature] Date 3/24/2004  
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 November 10, 2003 to 4-5-04; 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 Owners Report in accordance with the requirements of the ASME Code, Section XI.

By signing this certificate, neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owners 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 [Signature] Commissions GA203  
National Board, State, Province and Endorsements

Date 4-5-04

# ORIGINAL

## FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS

As Required By The Provisions Of The ASME Code Section XI

Traveler # 04122

1. Owner Southern Nuclear Operating Company Date 03/25/05  
Name 40 Inverness Center Parkway, Birmingham, AL  
Address
2. Plant Vogtle Electric Generating Plant Unit 1  
Name Waynesboro, GA 30830  
Address WO# 10303329  
Repair 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 System
5. (a) Applicable Construction Code ASME SEC III 19 77 Edition, Winter 1977 Addenda, N/A Code Case  
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1989
6. Identification Of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
PIPE SUPPORT	PULLMAN POWER RODUCTS	N/A	N/A	V1-1208-039-H601	1987	REPLACEMENT	YES

7. Description of Work Snubber AD-73, serial #186 was replaced with a Liseqa Type 30 snubber serial #03615870/105 and snubber PSA-4, serial #36386 was replaced with a Liseqa Type 30 snubber serial #03615870/093 in accordance with DCP 99-VAN0033.
8. Test Conducted: Hydrostatic  Pneumatic  Nominal Operating Pressure   
Other  Pressure N/A PSI Test Temp. N/A °F  
N/A
9. Remarks See Item 7  
Applicable Manufacturer's Data Reports to be attached

CERTIFICATE OF COMPLIANCE			
We certify that the statements made in the report are correct and this <u>replacement</u> conforms to the rules of the ASME Code, Section XI. <u>repair or replacement</u>			
Type Code Symbol Stamp	<u>N/A</u>		
Certificate of Authorization No.	<u>N/A</u>	Expiration Date	<u>N/A</u>
Signed <u>[Signature]</u>	<u>Team Leader</u>	Date	<u>3/28/05</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>07/22/04</u> to <u>4-1-05</u> , and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owners Report in accordance with the requirements of the ASME Code, Section XI.	
By signing this certificate, neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owners 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>[Signature]</u>	Commissions <u>GA203</u> National Board, State, Province and Endorsements
Date <u>4-1-05</u>	

# ORIGINAL

## FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS

As Required By The Provisions Of The ASME Code Section XI

Traveler # 04124

1. Owner Southern Nuclear Operating Company Date 04/06/05  
Name 40 Inverness Center Parkway, Birmingham, AL  
Address
2. Plant Vogtle Electric Generating Plant Unit 1  
Name Waynesboro, GA 30830  
Address WO# 10303318  
Repair 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 System
5. (a) Applicable Construction Code ASME SEC III 19 77 Edition, Winter 1977 Addenda, N-249-1 Code Case  
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1989
6. Identification Of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
PIPE SUPPORT	PULLMAN POWER RODUCTS	N/A	N/A	V1-1208-011-H045	1987	REPLACEMENT	YES

7. Description of Work Snubber AD-41, serial #855 was replaced with a Liseaga Type 30 snubber serial #03615870/096 in accordance with DCP 99-VAN0033.
8. Test Conducted: Hydrostatic  Pneumatic  Nominal Operating Pressure   
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**

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

Type Code Symbol Stamp N/A

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

Signed W. S. Gault Team Leader Date 4/6/05  
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 07/22/04 to 4-7-05, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owners Report in accordance with the requirements of the ASME Code, Section XI.

By signing this certificate, neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owners 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 M. B. Chapman Commissions GA203  
National Board, State, Province and Endorsements

Date 4-7-05

# ORIGINAL

## FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS

As Required By The Provisions Of The ASME Code Section XI

Traveler # 04125

1. Owner Southern Nuclear Operating Company Date 03/25/05  
 Name 40 Inverness Center Parkway, Birmingham, AL  
 Address
2. Plant Vogtle Electric Generating Plant Sheet 1 of 1  
 Name Waynesboro, GA 30830  
 Address WO# 10303317  
 Repair 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 System
5. (a) Applicable Construction Code ASME SEC III 19 77 Edition, Winter 1977 Addenda, N/A Code Case  
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1989
6. Identification Of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
PIPE SUPPORT	PULLMAN POWER RODUCTS	N/A	N/A	V1-1208-008-H025	1987	REPLACEMENT	YES

7. Description of Work Snubber PSA-1/2, serial #19831 was replaced with a Liseqa Type 30 snubber serial #03615870/101 in accordance with DCP 99-VAN0033.
8. Test Conducted: Hydrostatic  Pneumatic  Nominal Operating Pressure   
 N/A  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			
We certify that the statements made in the report are correct and this <u>replacement</u> conforms to the rules 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>[Signature]</u>	<u>N/A</u>	Team Leader	Date <u>3/29/05</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>07/22/04</u> to <u>4-1-05</u> , and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owners Report in accordance with the requirements of the ASME Code, Section XI.	
By signing this certificate, neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owners 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.	
<u>[Signature]</u> Inspector's Signature	Commissions <u>GA203</u> National Board, State, Province and Endorsements
Date <u>4-1-05</u>	

3/25/05

# ORIGINAL

## FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS

As Required By The Provisions Of The ASME Code Section XI

Traveler # 04129

1. Owner Southern Nuclear Operating Company Date March 22, 2005  
 Name 40 Inverness Center Parkway, Birmingham, AL  
 Address
2. Plant Vogtle Electric Generating Plant Unit 1  
 Name Waynesboro, GA 30830  
 Address 10303328  
 Repair 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  
 Plant Vogtle Expiration Date N/A  
 Address
4. Identification of System 1208 / Chemical and Volume Control
5. (a) Applicable Construction Code ASME SEC III 19 77 Edition, Winter 1977 Addenda, N-249-1 Code Case  
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1989
6. Identification Of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
PIPE SUPPORT	PULLMAN POWER	N/A	N/A	V1-1208-040-H603	1987	REPLACEMENT	YES

7. Description of Work Snubber AD-43, serial #834 was replaced with snubber Liseqa 3018, serial #03615870/095 in accordance with DCP-99VAN0033.

8. Test Conducted: Hydrostatic  Pneumatic  Nominal Operating Pressure   
 N/A  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			
We certify that the statements made in the report are correct and this <u>replacement</u> conforms to the rules 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>W.S. Conlon</u> Team Leader Owner or Owner's Designee, Title	Date	<u>3/30/2005</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>July 22, 2004</u> to <u>3-31-05</u> , and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owners Report in accordance with the requirements of the ASME Code, Section XI.	
By signing this certificate, neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owners 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>M.B. Chapman</u> Commissions <u>GA203</u> National Board, State, Province and Endorsements
Date	<u>3-31-05</u>

4/29/05

# ORIGINAL

## FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS

As Required By The Provisions Of The ASME Code Section XI

Traveler # 04130

1. Owner Southern Nuclear Operating Company Date 03/25/05  
Name 40 Inverness Center Parkway, Birmingham, AL  
Address
2. Plant Vogtle Electric Generating Plant Sheet 1 of 1  
Name Waynesboro, GA 30830 Unit 1  
Address WO# 10303319  
Repair 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 System
5. (a) Applicable Construction Code ASME SEC III 19 77 Edition, Winter 1977 Addenda, N/A Code Case  
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1989
6. Identification Of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
PIPE SUPPORT	PULLMAN POWER RODUCTS	N/A	N/A	V1-1208-068-H002	1987	REPLACEMENT	YES

7. Description of Work Snubber PSA-1/2, serial #10703 was replaced with a Liseaga Type 30 snubber serial #03615870/094 in accordance with DCP 99-VAN0033.
8. Test Conducted: Hydrostatic  Pneumatic  Nominal Operating Pressure   
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	
We certify that the statements made in the report are correct and this <u>replacement</u> conforms to the rules 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>W. S. Gualala</u> Team Leader	Date <u>3/28/05</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>07/22/04</u> to <u>4-1-05</u> , and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owners Report in accordance with the requirements of the ASME Code, Section XI.	
By signing this certificate, neither the inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owners 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>M. B. Chapman</u>	Commissions <u>GA203</u> National Board, State, Province and Endorsements
Date <u>4-1-05</u>	



# ORIGINAL

## FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS

As Required By The Provisions Of The ASME Code Section XI

Traveler # 04131

1. Owner Southern Nuclear Operating Company Date March 22, 2005  
 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 10303327  
 Repair 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 1301 / Main Steam System
5. (a) Applicable Construction Code ASME SEC III 19 74 Edition, Winter 1975 Addenda, N-249-1 Code Case  
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1989
6. Identification Of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
PIPE SUPPORT	PULLMAN POWER	N/A	N/A	V1-1301-015-H007	1987	REPLACEMENT	YES

7. Description of Work Snubber PSA-3, serial #20214 was replaced with snubber Liseqa 3052, serial #03615805/29 in accordance with DCP-99VAN0033.
8. Test Conducted: Hydrostatic  Pneumatic  Nominal Operating Pressure   
 N/A  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**

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

Type Code Symbol Stamp N/A

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

Signed [Signature] Team Leader Date 13/30/2005  
 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 July 21, 2004 to 4-1-05, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owners Report in accordance with the requirements of the ASME Code, Section XI.

By signing this certificate, neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owners 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 GA203  
 Inspector's Signature National Board, State, Province and Endorsements

Date 4-1-05



# ORIGINAL

## FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS

As Required By The Provisions Of The ASME Code Section XI

Traveler# 04139

1. Owner Southern Nuclear Operating Company Date April 5, 2005  
 Name 40 Inverness Center Parkway, Birmingham, AL  
 Address
2. Plant Vogtle Electric Generating Plant Sheet 1 of 1  
 Name Waynesboro, GA 30830 Unit 1  
 Address 10402518  
 Repair 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 1201 / Reactor Coolant System Expiration Date N/A
4. Identification of System 1201 / Reactor Coolant System
5. (a) Applicable Construction Code ASME SEC III 19 77 Edition, Winter 1977 Addenda, N/A Code Case  
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1989
6. Identification Of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
PIPE SUPPORT	PULLMAN POWER	N/A	N/A	1-1201-029-H024	1987	REPLACEMENT	YES

7. Description of Work Snubber PSA-3, serial #28351 was replaced with snubber PSA-3, serial #28765 to support surveillance testing.
8. Test Conducted: Hydrostatic  Pneumatic  Nominal Operating Pressure   
 N/A  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**

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

Type Code Symbol Stamp N/A

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

Signed [Signature] Team Leader Date 4/7/05  
 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 July 28, 2004 to 4-8-05, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owners Report in accordance with the requirements of the ASME Code, Section XI.

By signing this certificate, neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owners 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 GA203  
 Inspector's Signature National Board, State, Province and Endorsements

Date 4-8-05

1/6/05

# ORIGINAL

## FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS

As Required By The Provisions Of The ASME Code Section XI

Traveler # 04140

1. Owner Southern Nuclear Operating Company Date 03/29/05  
Name 40 Inverness Center Parkway, Birmingham, AL  
Address
2. Plant Vogtle Electric Generating Plant Unit 1  
Name Waynesboro, GA 30830  
Address WO# 10402519  
Repair 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 1201 / Reactor Coolant System Expiration Date N/A
4. Identification of System 1201 / Reactor Coolant System
5. (a) Applicable Construction Code ASME SEC III 19 77 Edition, Winter 1977 Addenda, N/A Code Case  
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1989
6. Identification Of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
PIPE SUPPORT	PULLMAN POWER RODUCTS	N/A	N/A	V1-1201-042-H003	1987	REPLACEMENT	YES

7. Description of Work Snubber PSA-1, serial #24103 was replaced with a PSA-1 serial #23206 to support surveillance testing.
8. Test Conducted: Hydrostatic  Pneumatic  Nominal Operating Pressure   
N/A  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**

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

Type Code Symbol Stamp N/A

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

Signed [Signature] Team Leader Date 3/29/2005  
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 07/28/04 to 3-31-05, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owners Report in accordance with the requirements of the ASME Code, Section XI.

By signing this certificate, neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owners 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 GA203  
Inspector's Signature National Board, State, Province and Endorsements

Date 3-31-05

DNK  
03/29/05

ORIGINAL

FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS

As Required By The Provisions Of The ASME Code Section XI

Traveler# 04141

- 1. Owner Southern Nuclear Operating Company
Date April 5, 2005
Sheet 1 of 1
2. Plant Vogtle Electric Generating Plant
Unit 1
3. Work Performed by Maintenance Department
Type Code Symbol Stamp N/A
4. Identification of System 1201 / Reactor Coolant System
5. (a) Applicable Construction Code ASME SEC III 19 77 Edition, Winter 1977 Addenda, N-249-1 Code Case
6. Identification Of Components Repaired or Replaced and Replacement Components

Table with 8 columns: Name of Component, Name of Manufacturer, Manufacturer Serial No., National Board No., Other Identification, Year Built, Repaired, Replaced, or Replacement, ASME Code Stamped (Yes or No). Row 1: PIPE SUPPORT, PULLMAN POWER, N/A, N/A, V1-1201-051-H008, 1987, REPLACEMENT, YES.

- 7. Description of Work Snubber AD-151, serial #175 was replaced with AD-151, serial #406 to support surveillance testing.
8. Test Conducted: N/A [X] Hydrostatic [ ] Pneumatic [ ] Nominal Operating Pressure [ ]
9. Remarks See Item 7
Applicable Manufacturer's Data Reports to be attached

CERTIFICATE OF COMPLIANCE
We certify that the statements made in the report are correct and this REPLACEMENT conforms to the rules of the ASME Code, Section XI.
Signed [Signature] Team Leader Date 4/6/2005

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 July 27, 2004 to 4-7-05, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owners Report in accordance with the requirements of the ASME Code, Section XI.
Date 4-7-05

# ORIGINAL

## FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS

As Required By The Provisions Of The ASME Code Section XI

Traveler # 04146

1. Owner Southern Nuclear Operating Company Date April 4, 2005  
 Name 40 Inverness Center Parkway, Birmingham, AL  
 Address
2. Plant Vogtle Electric Generating Plant Unit 1  
 Name Waynesboro, GA 30830  
 Address 10402520  
 Repair 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 1204 / Safety Injection System Expiration Date N/A
4. Identification of System 1204 / Safety Injection System
5. (a) Applicable Construction Code ASME SEC III 19 77 Edition, Winter 1977 Addenda, N/A Code Case  
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1989
6. Identification Of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
PIPE SUPPORT	PULLMAN POWER	N/A	N/A	V1-1204-124-H014	1987	REPLACEMENT	YES

7. Description of Work Snubber PSA -35, serial #11503 was replaced with PSA-35, serial #12264 to support surveillance testing.
8. Test Conducted: Hydrostatic  Pneumatic  Nominal Operating Pressure   
 N/A  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**

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

Type Code Symbol Stamp N/A

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

Signed [Signature] Team Leader Date 4/4/2005  
 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 July 25, 2004 to 4-7-05, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owners Report in accordance with the requirements of the ASME Code, Section XI.

By signing this certificate, neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owners 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 GA203  
 Inspector's Signature National Board, State, Province and Endorsements

Date 4-7-05

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4/5/05

ORIGINAL

FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS

As Required By The Provisions Of The ASME Code Section XI

Traveler # 04151

- 1. Owner Southern Nuclear Operating Company
Date March 22, 2005
Sheet 1 of 1
2. Plant Vogtle Electric Generating Plant
Unit 1
Waynesboro, GA 30830
Repair Organization P.O. No., Job No., etc. 10402514
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 1206 / Containment Spray System
5. (a) Applicable Construction Code ASME SEC III 19 74 Edition, Winter 1975 Addenda, N/A Code Case
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1989
6. Identification Of Components Repaired or Replaced and Replacement Components

Table with 8 columns: Name of Component, Name of Manufacturer, Manufacturer Serial No., National Board No., Other Identification, Year Built, Repaired, Replaced, or Replacement, ASME Code Stamped (Yes or No). Row 1: PIPE SUPPORT, PULLMAN POWER, 27598, N/A, 1-1206-005-H010, 1987, REPLACEMENT, YES.

7. Description of Work Snubber PSA-3, serial #24698 was replaced with snubber PSA-3, serial #27598 to support surveillance testing.

8. Test Conducted: NA [X] Hydrostatic [ ] Pneumatic [ ] Nominal Operating Pressure [ ]
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
We certify that the statements made in the report are correct and this replacement conforms to the rules of the ASME Code, Section XI.
Type Code Symbol Stamp N/A
Certificate of Authorization No. N/A Expiration Date N/A
Signed W.E. Gabel Team Leader Date 3/30/2005
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 July 27, 2004 to 7-1-05, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owners Report in accordance with the requirements of the ASME Code, Section XI.
By signing this certificate, neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owners 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 M.B. Chapman Commissions CA703
Date 4-1-05 National Board, State, Province and Endorsements





# ORIGINAL

## FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS

As Required By The Provisions Of The ASME Code Section XI

Traveler # 04154

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

Date April 4, 2005

Sheet 1 of 1

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

Unit 1

10402529

Repair 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 1301 / Main Steam System

5. (a) Applicable Construction Code ASME SEC III 19 77 Edition, Winter 1977 Addenda, N-249-1 Code Case  
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1989

6. Identification Of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
PIPE SUPPORT	PULLMAN POWER	N/A	N/A	V1-1301-106-H003	1987	REPLACEMENT	YES

7. Description of Work Snubber AD-12501, serial #30 was replaced with AD-12501, serial #52 to support surveillance testing.

8. Test Conducted: Hydrostatic  Pneumatic  Nominal Operating Pressure   
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

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

Type Code Symbol Stamp N/A

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

Signed W. E. Gueland Team Leader Date 4/4/2005  
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 July 27, 2004 to 4-8-05, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owners Report in accordance with the requirements of the ASME Code, Section XI.

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

M. B. Chapman Commissions GA203  
Inspector's Signature National Board, State, Province and Endorsements

Date 4-8-05

# ORIGINAL

## FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS

As Required By The Provisions Of The ASME Code Section XI

Traveler # 04156

1. Owner Southern Nuclear Operating Company Date 03/26/05  
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 WO# 10402524  
Repair 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 1301 / Main Steam System
5. (a) Applicable Construction Code ASME SEC III 19 77 Edition, Winter 1977 Addenda, N-249-1 Code Case  
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1989
6. Identification Of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
PIPE SUPPORT	PULLMAN POWER RODUCTS	N/A	N/A	V1-1301-111-H004	1987	REPLACEMENT	YES

7. Description of Work Snubber AD-151L, serial #754 was replaced with a AD-151L serial #470 to support surveillance testing.

8. Test Conducted: Hydrostatic  Pneumatic  Nominal Operating Pressure   
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

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

Type Code Symbol Stamp N/A

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

Signed W. J. Guedes Team Leader Date 3/29/2005  
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 07/28/04 to 3-31-05, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owners Report in accordance with the requirements of the ASME Code, Section XI.

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

M. B. Chapman Commissions GA203  
Inspector's Signature National Board, State, Province and Endorsements

Date 3-31-05

# ORIGINAL

## FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS

As Required By The Provisions Of The ASME Code Section XI

Traveler # 04160

1. Owner Southern Nuclear Operating Company Date March 22, 2005  
 Name 40 Inverness Center Parkway, Birmingham, AL  
 Address 40 Inverness Center Parkway, Birmingham, AL Sheet 1 of 1
2. Plant Vogtle Electric Generating Plant Unit 1  
 Name Waynesboro, GA 30830  
 Address Waynesboro, GA 30830 10402543  
 Repair 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 Plant Vogtle Expiration Date N/A
4. Identification of System 1301 / Main Steam System
5. (a) Applicable Construction Code ASME SEC III 19 77 Edition, Winter 1977 Addenda, N-249-1 Code Case  
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1989
6. Identification Of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
PIPE SUPPORT	PULLMAN POWER	N/A	N/A	V1-1301-230-H005	1987	REPLACEMENT	YES

7. Description of Work Snubber AD-501, serial #135 was replaced with a rigid strut in accordance with DCP 04-V1N0003

8. Test Conducted: N/A  Hydrostatic  Pneumatic  Nominal Operating Pressure   
 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**

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

Type Code Symbol Stamp N/A

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

Signed [Signature] Team Leader Date 3/30/2005  
 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 August 3, 2004 to 4-1-05, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owners Report in accordance with the requirements of the ASME Code, Section XI.

By signing this certificate, neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owners 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 GA203  
 Inspector's Signature National Board, State, Province and Endorsements

Date 4-1-05

2nd SE  
3/25/05

# ORIGINAL

## FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS

As Required By The Provisions Of The ASME Code Section XI

Traveler # 05058

1. Owner Southern Nuclear Operating Company Date 04/05/05  
Name 40 Inverness Center Parkway, Birmingham, AL  
Address
2. Plant Vogtle Electric Generating Plant Unit 1  
Name Waynesboro, GA 30830  
Address WO# 10400496  
Repair 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 1201 / Reactor Coolant System Expiration Date N/A
4. Identification of System 1201 / Reactor Coolant System
5. (a) Applicable Construction Code ASME SEC III 19 71 Edition, Winter 1972 Addenda, N/A Code Case  
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1989
6. Identification Of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
PUMP	WESTINGHOUSE ELECTRIC CORP.	1-9744D35G01	23	1-1201-P6-001	1986	REPLACEMENT	YES

7. Description of Work This NIS-2 documents a prior replacement activity per CR# 2004002230. The number 2 seal housing S/N 1778 is currently installed on this pump. The number 2 seal housing S/N 1778 was originally supplied and certified with this pump. However, the number 2 seal housings are utilized as rotating spares (part of seal cartridge assembly) and may be installed on any of the Unit 1 or 2 reactor coolant pumps. Current serial number information was obtained under ATVF# 04041.
8. Test Conducted: Hydrostatic  Pneumatic  Nominal Operating Pressure   
N/A  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**

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

Type Code Symbol Stamp N/A

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

Signed [Signature] Team Leader Date 4/6/2005  
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 06/04/04 to 4-7-05, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owners Report in accordance with the requirements of the ASME Code, Section XI.

By signing this certificate, neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owners 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 GA203  
Inspector's Signature National Board, State, Province and Endorsements

Date 4-7-05

2004  
04/05/05



# ORIGINAL

## FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS

As Required By The Provisions Of The ASME Code Section XI

Traveler # 05060

1. Owner Southern Nuclear Operating Company Date 04/06/05  
Name 40 Inverness Center Parkway, Birmingham, AL  
Address
2. Plant Vogtle Electric Generating Plant Unit 1  
Name Waynesboro, GA 30830  
Address WO# 10400497  
Repair 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 19 71 Edition, Winter 1972 Addenda, N/A Code Case  
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1989
6. Identification Of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
PUMP	WESTINGHOUSE ELECTRIC CORP.	3-9744D35G01	25	1-1201-P6-003	1986	REPLACEMENT	YES

7. Description of Work This NIS-2 documents a prior replacement activity per CR# 2004002230. The number 2 seal housing S/N 2186 is currently installed on this pump. The number 2 seal housing S/N 2186 was originally supplied and certified with the Unit 2 reactor coolant pump #3 S/N 7-9744D35G01. However, the number 2 seal housings are utilized as rotating spares (part of seal cartridge assembly) and may be installed on any of the Unit 1 or 2 reactor coolant pumps. Current serial number information was obtained under ATVF# 04043.

8. Test Conducted: Hydrostatic  Pneumatic  Nominal Operating Pressure   
N/A  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			
We certify that the statements made in the report are correct and this <u>replacement</u> conforms to the rules 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>[Signature]</u>	Team Leader	Date	<u>4/6/2005</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>06/04/04</u> to <u>4-7-05</u> , and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owners Report in accordance with the requirements of the ASME Code, Section XI.	
By signing this certificate, neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owners 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.	
<u>[Signature]</u> Inspector's Signature	Commissions <u>GA703</u> National Board, State, Province and Endorsements
Date <u>4-7-05</u>	

