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July 23, 2001

LCV-1545

Docket No.: 50-425

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

Ladies and Gentlemen:

**VOGTLE ELECTRIC GENERATING PLANT
INSERVICE INSPECTION SUMMARY REPORT**

Southern Nuclear Operating Company (SNC) submits herein the "Owner's Report for Inservice Inspections (Form NIS-1)" for inservice inspection activities conducted at Vogtle Electric Generating Plant, Unit 2 (VEGP-2) during its Spring 2001 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. The supporting documentation, e.g., examination records, equipment and material certifications, etc., from which the enclosed "Owner's Report for Inservice Inspections (Form NIS-1)" was compiled is available for review upon request at the plant site.

In addition, "Owner's Reports for Repair and Replacements (Form NIS-2)" are included in the enclosed report for repairs and/or replacements of piping and components that were documented and completed at VEGP-2 from the end of the previous maintenance/refueling outage (Fall 1999) through the Spring 2001 maintenance/refueling outage. Any attachments, e.g., code data reports, etc., that are referenced in the completed NIS-2 forms will be made available for review upon request at the plant site.

A discussion on the examination of steam generator tubes performed during the Spring 2001 maintenance/refueling outage is included in the enclosed VEGP-2 "Owner's Report for Inservice Inspections (Form NIS-1)." That discussion constitutes the report required by VEGP Technical Specification 5.6.10.b to be submitted to the NRC within 12 months following completion of the steam generator

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Four copies sent to
L. Olsan

tube examinations. As a result, a separate submittal will not be made to the NRC on steam generator tubes examined during the subject outage.

None of the steam generator tubes required plugging as a result of the examinations performed during the Spring 2001 maintenance/refueling outage at VEGP-2. Pursuant to the requirements of VEGP Technical Specification 5.6.10.a, a report was submitted to the NRC within 15 days of the completion of the steam generator tubing examinations and indicated that none of the steam generator tubes required plugging during the subject outage. SNC letter LCV-1536 dated May 2, 2001, transmitted the VEGP Technical Specification-required 15-day report to the NRC.

In addition to components already identified in current requests for relief, seven (7) Class 1 and 2 piping and equipment welds had limited volumetric examination coverage. The affected welds included the following:

Class 1 Equipment - Reactor Coolant System

21201-V6-002-W17 - Pressurizer (PZR) Safety Nozzle-to-Safe End,
21201-V6-002-W18 - PZR Safety Nozzle-to-Safe End,
21201-V6-002-W19 - PZR Safety Nozzle-to-Safe End, and
21201-V6-002-W20 - PZR Relief Nozzle-to-Safe End.

Class 1 Piping - Reactor Coolant System

21201-058-7 - 6" Elbow-to-Flange.

Class 2 Piping - Containment Spray System

21206-005-1 - 8" Flange-to-Pipe, and
21206-006-1 - 8" Flange-to-Pipe.

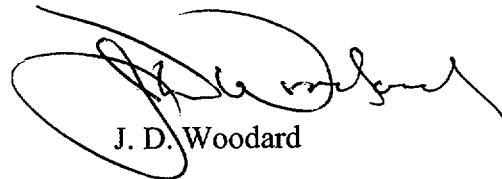
Physical limitations due to the geometric configuration of the welded area prevented full ultrasonic examination coverage for each of the affected welds. As a result of the physical limitations, the examination coverage was limited to less than ninety percent (<90%). ASME Section XI Code Case N-460, as approved by the NRC in NRC Regulatory Guide 1.147, allows Code acceptance when the reduction in examination coverage is less than ten percent (<10%). Each of the welds identified above was examined using surface means, e.g., liquid penetrant, and the Code-required surface examination coverage was achieved. Because it is impractical to achieve the Code-required volumetric examination coverage for the affected welds due to the geometric configuration of the welded areas, request(s) for relief from the ASME Section XI Code requirements will be submitted to the NRC, as allowed by 10 CFR 50.55a, for review and approval.

In addition to the inservice inspection of Class 1, 2, and 3 components and supports during the VEGP-2 Spring 2001 maintenance/refueling outage, Class MC (IWE) and CC (IWL) containment examinations and tests were performed prior to and/or during the subject outage in response to the September 9, 1996, NRC rulemaking to 10 CFR 50.55a. That rulemaking invoked the requirements of Subsections IWE and IWL to the 1992 Edition of ASME Section XI with 1992 Addenda (as amended by the NRC). The containment examinations and tests performed during the VEGP-2 Spring 2001 maintenance/refueling outage were performed in accordance with the requirements of the 1992 Edition of ASME Section XI with 1992 Addenda (as amended by the NRC) except where relief has been granted by the NRC. They were performed by either SNC or vendor personnel and included, but were not limited to, the containment liner plate general visual examination, tendon tests, containment concrete examinations, and examinations of bolting, seals, and gaskets of disassembled components. Details on the examinations and tests performed, conditions observed, and their resolution are provided in the enclosed "Owner's Report for Inservice Inspections." The Class MC and CC containment examinations and tests required by the rulemaking to 10 CFR 50.55a to be completed by September 9, 2001, were completed during the VEGP-2 Spring 2001 maintenance/refueling outage.

The signed original and four copies of the "Owner's Report for Inservice Inspections (Form NIS-1)" for ISI activities conducted during the Spring 2001 maintenance/refueling outage at VEGP-2 are provided for your review. Two copies of the subject report are being provided to the Regional Administrator for NRC Region II.

Should there be any questions in this regard, please contact this office.

Sincerely,



J. D. Woodard

JDW/JAE/

Enclosure: "Owner's Report for Inservice Inspections (Form NIS-1)" for VEGP-2 Eighth Maintenance/Refueling Outage (2R8), Spring 2001

U. S. Nuclear Regulatory Commission
LCV-1545
Page Four

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**Vogtle Electric Generating Plant
Unit 2**

**Eighth Maintenance/Refueling Outage (2R8)
Owner's Report for Inservice Inspection**

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

OWNER'S REPORT FOR INSERVICE INSPECTIONS

for the

EIGHTH MAINTENANCE/REFUELING OUTAGE

of

VOGTLE ELECTRIC GENERATING PLANT, UNIT 2

(7821 River Road, P. O. Box 1600, Waynesboro, Georgia 30830)

COMMERCIAL OPERATION DATE: May 20, 1989

DOCUMENT COMPLETION DATE: June 2001

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

TABLE OF CONTENTS

	<u>Page</u>
Introduction	1-1
ASME Form NIS-1 with Abstract - ASME Class 1 and 2	2-1
ASME Class 3, MC, and CC Examinations and Tests	3-1
Augmented Inspections	4-1
Examination Summary Listings	
Introduction to Summary Listings	5-1
ASME Class 1	
Equipment Examinations	6-1
Piping Examinations	7-1
ASME Class 2	
Equipment Examinations	8-1
Piping Examinations	9-1
Supports	
Introduction and Equipment Support Examinations	10-1
Introduction and Piping Support Examinations	11-1
Snubber Functional Examinations	
Introduction to Snubber Functional Testing and Results	12-1
Pressure Tests	13-1
Indication Notification Forms	14-1
NIS-2 Forms	15-1

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
FNR	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)
ILRT	Integrated Leakage Rate Test
IND	Indication
INF	Indication Notification Form
ISI	Inservice Inspection
IST	Inservice Testing
ID	Inside Diameter
IR	Inside Radius
LB	Large Bore
LD	Longitudinal Seam Weld Extending Downstream
LD-I	Longitudinal Seam Weld Downstream Inside of Elbow
LLRT	Local Leakage Rate Test
LMT	Lambert, MacGill and Thomas
LU	Longitudinal Seam Weld Extending Upstream
LU-O	Longitudinal Seam Weld Upstream on Outside 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
SSI	Sonics Systems International
SNC	Southern Nuclear Operating Company
SUP	Supplemental Data
T&C	Thickness and Contour
TDAFW	Turbine Driven Auxiliary Feedwater (Pump)
TS	VEGP Technical Specification
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 2 (VEGP-2) between November 3, 1999 (date of last examination performed during the seventh maintenance/refueling outage, 2R7) and May 1, 2001 (date of last examination performed during the eighth maintenance/refueling outage, 2R8) 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,
- VEGP Technical Requirement 13.7.2 - Snubber Visual Inspections and Functional Tests,
- United States Nuclear Regulatory Commission (NRC) Bulletin 88-09 - Thimble Tube Thinning in Westinghouse Reactors,
- Westinghouse Technical Bulletin NSD-TD-90-02 - BMI Conduit Guide Tube Leaks,
- GPC Action Item 87-0131 – Cracking in Stagnant Borated Water Piping Welds, and
- Balance of Plant Examinations for Flow-Accelerated Corrosion.

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

In addition to the examination of Class 1, 2, and 3 piping and components and other components, e.g., flux thimble tubes, as an "augmented" scope, Class MC and CC components associated with containment were also examined. These examinations were performed in accordance with the requirements of the 1992 Edition of ASME Section XI with 1992 Addenda (as amended by 10 CFR 50.55a) except where relief has been granted by the NRC. These examinations were performed in response to the rulemaking to 10 CFR 50.55a that became effective September 9, 1996 (Ref: *Federal Register* Notice 61 FR 41303).

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: Two
4. Owner Certification of Authorization: N/A
5. Commercial Service Date: May 20, 1989
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, 2 and 3, respectively	Westinghouse Elec., Tampa, FL	GBGT 1984 (S/N 77743), GBGT 1983 (S/N 77745), GBGT 1982 (S/N 77742)	N/A	36, 35, 34
Pressurizer	Westinghouse Elec., Pensacola, FL	77749	N/A	24
Selected Piping, Components, and Supports	Pullman Power Products, Williamsport, PA	1201, 1204 & 1206	N/A	N/A

FORM NIS-1 (Back)


8. Examination Dates: November 3, 1999 to May 1, 2001
9. Inspection Period Identification: First Period of Second Inspection Interval
10. Inspection Interval Identification: Second Inspection Interval
11. Applicable Edition of Section XI 1989 Addenda None
12. Date/Revision of Inspection Plan: February 28, 2001 / Revision 4,
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: June 28 2001 Signed: Southern Nuclear Operating
Company, Inc. for
Georgia Power Company
Owner

By: 

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 One State Street, Hartford, CT 06102 have inspected the components described in this Owner's Report during the period November 3, 1999, to May 1, 2001, 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.


Inspector's Signature

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

Date: 6-29 2001

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-2. 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 first inspection period examinations and tests which were performed between November 3, 1999 (date of last examination performed during the seventh maintenance/refueling outage, 2R7) and May 1, 2001 (date of last examination performed during the eighth maintenance/refueling outage, 2R8). The Code required percentage of examinations and tests scheduled for the first inspection period were completed during 2R8.

By *Federal Register* Notice 64 FR 51370 dated September 22, 1999, 10CFR50.55a(g)(6)(ii)(C), Implementation of Appendix VIII to ASME Section XI, was incorporated into the rule to expedite implementation of Appendix VIII. The Supplements of Appendix VIII of Section XI, ASME Boiler and Pressure Vessel Code, 1995 Edition with the 1996 Addenda, have been implemented in accordance with the applicable schedule.

In addition to the summary of inservice inspection activities, this report addresses Code-applicable repairs and replacements documented at VEGP-2 since 2R7 through the end of 2R8. The Owner's Reports for Repairs or Replacements (Form NIS-2) are provided herein.

It should be noted that Authorized Nuclear Inservice Inspector (ANII) inspection services were provided for those examinations and tests required by the Code. ASME Section XI examinations and tests are itemized in the applicable sections by reference to Examination Category. Examinations that 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), dye penetrant testing (PT), magnetic particle testing (MT), 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:

- Steam Generator Inner Radii,
- RPV Closure Head,
- RPV Closure Head Studs, Nuts and Washers,
- Pressurizer Shell, Nozzle and Safe-End Welds,
- Piping Welds, and
- Valve and Piping Flange Bolting.

During the scope of VEGP-2 examinations conducted, no Class 1 components were observed to have either reportable ultrasonic, liquid penetrant, magnetic particle or visual indications.

In addition to components already identified in current requests for relief, one piping weld and four equipment welds had limited volumetric coverage during ultrasonic examinations because of physical limitations due to the geometric configuration of the welded areas. In order for adequate ASME Section XI Code-required examination coverage to be attained, more than ninety percent (90%) of the required volume must be examined as addressed in ASME Code Case N-460. The subject code case has been approved for use in NRC Regulatory Guide 1.147. It is impractical to achieve the ASME Section XI Code-required volumetric examination coverage due to the geometric configuration of the welded area. Relief from the ASME Section XI Code requirements will be requested from the NRC for the affected welds through the relief request process as allowed by 10 CFR 50.55a. The applicable welds are indicated

by "Relief Request Required" in the Class 1 weld tables. Each of the affected welds was examined using surface means, e.g., liquid penetrant, and the Code-required surface examination coverage was achieved.

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 Examinations" 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 maintenance/refueling outage. These visual examinations revealed minor leakage and boron residue at mechanical connections and one through-wall pressure boundary leak. These leakage conditions were corrected.

The one through-wall pressure boundary leak was located on the leak-off line (3/8 inch diameter) of valve 2HV8701B. Design Change Package (DCP) 00-V2N0017 was implemented during the 2R8 maintenance/refueling outage. This DCP utilized the existing leak-off connection near the bonnet connection of valve 2HV8701B and routed it to the existing thermal bypass line (3/4 inch diameter). The purpose of the design change was to route the leak-off line to the existing bypass line in such a manner that this flowpath could be used to preclude the potential for pressure-locking of double disk gate valve 2HV8701B. In order to correct this leakage condition, valve 2HV8701B was repacked with packing below the leak-off line and the piping installed by the DCP was removed.

Subparagraph IWA-5242(a) of ASME Section XI 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. Relief was requested (Ref.: Request for Relief RR-26) from this Code requirement and subsequently approved as documented by NRC letters dated October 24, 1997, for Class 1 components and December 31, 1998, for Class 2 and 3 components. The approved alternative allows insulation to be removed and connections to be examined while they 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.

The test boundary of the system leakage test includes both Class 1 and Class 2 components. 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 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 2R8 maintenance/refueling outage.

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). For the first inspection period those activities were scheduled and performed either before or during the seventh maintenance/refueling outage (2R7).

Class 2 Examinations

Selected Class 2 components were examined utilizing MT, PT, and UT, 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 Nozzle Welds, and
- Piping Welds.

During the scope of VEGP-2 manual examinations conducted, no Class 2 components were observed to have either reportable ultrasonic, liquid penetrant, or magnetic particle indications.

In addition to components already identified in current requests for relief, two piping welds had limited volumetric coverage during ultrasonic examinations because of physical limitations due to the geometric configuration of the welded areas. In order for adequate ASME Section XI Code-required examination coverage to be attained, more than ninety percent (90%) of the required volume must be examined as addressed in ASME Code Case N-460. The subject code case has been approved for use in NRC Regulatory Guide 1.147. It is impractical to achieve the ASME Section XI Code-required volumetric examination coverage due to the geometric configuration of the welded area. Relief from the ASME Section XI Code requirements will be requested from the NRC for the affected welds through the relief request process as allowed by 10 CFR 50.55a. The applicable welds are indicated by "Relief Request Required" in the Class 2 weld tables. Each of the affected welds was examined using surface means, e.g., liquid penetrant, and the Code-required surface examination coverage was achieved.

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 at mechanical joints such as valve stem packing and at flanged connections. These leaks were either corrected or evaluated and determined acceptable for continued system operation.

Subparagraph IWA-5242(a) of ASME Section XI 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. Relief was requested from this Code requirement and subsequently approved as documented by NRC letters dated October 24, 1997, for Class 1 components and December 31, 1998, for Class 2 and 3 components. The approved alternative allows insulation to be removed and connections to be examined while they 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. This approved alternative was implemented on applicable pressure-retaining bolted connections.

Class 1 and 2 Component Supports

No examinations were scheduled nor performed during the 2R8 maintenance/refueling outage.

ASME CLASS 3, MC, AND CC EXAMINATIONS AND TESTS

Class 3 Supports and Integral Attachments

No examinations were scheduled nor performed during the 2R8 maintenance/refueling outage.

Class 3 Pressure Tests

No Class 3 Pressure Tests were scheduled nor performed during the 2R8 maintenance/refueling outage.

Class MC Containment Examinations and Tests (IWE)

Category E-A, Containment Surfaces

During the VEGP-2 Spring 2001 maintenance/refueling outage, containment examinations were performed in response to the NRC rulemaking to 10 CFR 50.55a in which the requirements of Subsections IWE and IWL to the 1992 Edition of ASME Section XI with 1992 Addenda were invoked. A general visual examination of the VEGP-2 containment liner, a Class MC component as defined in Subsection IWE to the Code, was performed by SNC personnel during the outage. The examination was performed using VEGP procedure 84303-C, Revision 0, "Containment Liner General Visual Examination". Personnel performing the general visual examination of the containment liner plate were qualified in accordance with VEGP procedure 85001-C, Revision 10, "Qualification of Inspection, Examination, and Testing Personnel". The examination was performed under the guidance of a Registered Professional Engineer. Optical aids such as flashlights and binoculars were used when performing the general visual examination that included both direct and indirect, i.e., remote, visual examination methods.

One hundred thirty-five anomalies were identified during 2R8 and were recorded on an Anomaly Data Sheet as required by procedure 84303-C. That procedure defines an anomaly as a deviation or departure from the normal or common order, form, or rule with evidence of degradation that may affect either the containment structural integrity or leak tightness. The VEGP-2 containment liner was examined for evidence of flaking, blistering, peeling, discoloration, cracking, wear, pitting, excessive corrosion, arc strikes, gouges, surface discontinuities, dents, and other signs of surface irregularities and distress. Of these anomalies, there were twenty-six indications of rust, forty-eight indications of bare metal, twelve indications of depressions, and forty-nine indications of arc strikes were observed. All anomalies were evaluated as cosmetic in nature only and not affecting the structural integrity of the containment liner plate. SCS letter SG-18218 dated February 28, 2001, provided an "Engineering Evaluation" as allowed by the ASME Section XI Code. That letter, which is available at the plant site for review upon request, provides the justification for evaluation of arc strike areas that meet specific thickness criteria from the inspection and repair requirements referenced in section 1.9.94 of the updated VEGP FSAR.

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 surface areas likely to experience accelerated degradation and aging, should such areas exist, 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-2 requiring Category E-C examination.

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

The rulemaking contains a modification that makes examinations of Subsection IWE, Category E-D **optional**. SNC has chosen to implement Request for Relief (RR)-E-1 to allow leak tightness 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, will be reported to the NRC in the Integrated Leakage Rate Test (Type A test) report as required by 10 CFR 50 Appendix J.

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 containment boundary and pressure-retaining bolting (bolts and studs) are to be examined during the interval using a VT-1 examination method. All of the visible surfaces are required to be examined when the bolting is not disassembled. Approximately 34% of the penetration bolting listed in Table 2.2 of the VEGP Containment Inservice Inspection Program Plan was examined during the outage (2R8). These examinations were accomplished using Surveillance 84303-201 and Inspection Report (IR) #24483. The penetrations examined using this IR included the following:

2-1818-H3-P16	2-1818-H3-P10	2-1818-H3-P32
2-1818-H3-P53	2-1818-H3-P15	2-1818-H3-P09
2-1818-H3-P30	2-1818-H3-P49	2-1818-H3-P14
2-1818-H3-P58	2-1818-H3-P56	2-1818-H3-P48
2-1818-H3-P12	2-1818-H3-P57	2-1818-H3-P54
2-1818-H3-P47	2-1818-H3-P46	2-1818-H3-P45
2-1818-H3-P33	2-1818-H3-P31	2-1818-H3-P29

All examinations of the bolting for these twenty-one penetrations were completed with satisfactory results.

All IWE examinations have been completed for VEGP-2 that are required by the rulemaking to 10CFR50.55a to be completed by September 9, 2001.

Class CC Containment Examinations and Tests (IWL)

During the VEGP-1 and 2 Spring 2000 In-Service Tendon Inspection, containment examinations were performed in response to the NRC rulemaking to 10CFR 50.55a in which the requirements of Subsections IWE and IWL to the 1992 Edition of ASME Section XI with 1992 Addenda were invoked. The general visual examination of the reinforced concrete and the post-tensioning systems of Class CC components, was performed during the tendon surveillance by a vendor qualified under criteria specified by the 1992 Edition and 1992 Addenda of ASME Section XI. The baseline inspection was conducted per IWL to allow on-going monitoring of the containment condition. The IWL general visual inspection was performed under the guidance of a Registered Professional Engineer. Light meters, flashlights, feeler gauges, and an optical comparator were used when performing the general visual examination that included both direct and indirect visual examination methods. The subject examination was repeated during VEGP-2 Outage 2R8 because the visual examination of the concrete containment was not performed "during a refueling outage" as required by NRC Regulatory Guide 1.163.

During the visual examination, two conditions were noted that required an engineering evaluation from SCS. It was necessary for SCS to determine if the conditions would require a detailed inspection. The first condition was an indication of metal exposure, which was later determined to be rebar-chairs, a support used to hold rebar in place while the concrete is being poured. The second concern was the areas of spalling on the edge of the containment buttresses. SCS letter SG-16802 dated March 5, 1999, provided an Engineering Evaluation Report as described in IWL-3300 for two concrete spalls and also included the initial concrete repair procedure for these two areas. Spall is defined as a fragment, usually in the shape of a flake, detached from a larger mass by a blow, by the action of weather, pressure or expansion within the large mass. SCS' response was documented in their letter SG-17640 dated May 25, 2000, to SNC. It was noted that both indications were non-structural in nature and had no considerable effect on the structural integrity of containment.

During the containment concrete examinations, inclusive of tendon testing, and in response to 10CFR50.55a(b)(2)(ix), the following information is provided by SNC:

No adverse conditions were identified during the examination and test of the containment concrete, including tendons, which involve the additional requirements of 10CFR50.55a(b)(2)(ix), Paragraphs A, B, C, and E. With regard to 10CFR50.55a(b)(2)(ix), Paragraph D, there were areas identified where grease leakage was observed on the containment concrete surfaces. A detailed examination was performed by the test vendor and is included in its final report submitted to SNC. That report is available for review upon request at the VEGP plant site. The amount of grease leakage observed was *less than* the excessive grease leakage reporting threshold value of seven (7) gallons as specified in Enclosure 2 to SNC letter LCV-1307 dated April 5, 1999, that was submitted to the NRC for review and approval. The subject document requested relief from the regulatory requirements of 10CFR50.55a(b)(2)(ix), Paragraphs A and D, relative to the reporting of grease leakage to the NRC in the "ISI Summary Report", otherwise referred to as the "Owner's Report for Inservice Inspection (Form NIS-1)". Excessive grease leakage, i.e., grease leakage in excess of 7 gallons, as it pertains to VEGP is reported to the NRC pursuant to the requirements of VEGP Technical Specification 5.6.9. The NRC reviewed and approved the SNC request for relief pertaining to the reporting of grease leakage and was documented in its June 16, 2000, letter to SNC. Based on the foregoing information, reporting of excessive grease leakage is not required to be addressed in this report due to the NRC approval of the SNC request for relief. No report was filed in response to VEGP Technical Specification 5.6.9 since the observed grease leakage was less than 7 gallons. The actual leakage observed during the VEGP-2 containment concrete examination was 89 ounces (0.70 gallons).

All IWL examinations have been completed for VEGP-2 that are required by the rulemaking to 10CFR50.55a to be completed by September 9, 2001.

AUGMENTED INSPECTIONS

VEGP Technical Requirements Manual - TR 13.7.2 Snubbers

Visual Inspections

VEGP Technical Requirements Manual (TRM) Technical Requirement (TR) 13.7.2, Technical Requirement Surveillance (TRS) 13.7.2.1 requires each snubber to be visually examined. During the VEGP-2 seventh maintenance/refueling outage, (2R7), one of the snubbers that comprise the total snubber population was found to have unsatisfactory visual examination results. Based upon Table 13.7.2-2, Note 3 in the VEGP TRM, the next visual examination interval remains 36 months, which coincides with the performance of the visual examinations being required during the VEGP-2 ninth maintenance/refueling outage (2R9). Therefore, visual examination of snubbers was not required during the eighth VEGP-2 maintenance/refueling outage (2R8).

Functional Testing

VEGP TR 13.7.2, TRS 13.7.2.3 also requires functional testing of snubbers. The snubbers were categorized into six types as follows:

Type I	Pacific-Scientific mechanical snubbers (Models PSA-1/4 and PSA- 1/2)
Type II	Pacific-Scientific mechanical snubbers (Models PSA-1, PSA-3, and PSA-10)
Type III	Pacific-Scientific mechanical snubbers (Model PSA-35 and PSA-100)
Type IV	Anchor/Darling mechanical snubbers (Model series AD-40 through AD-500)
Type V	Anchor/Darling mechanical snubbers (Model series AD-1600 through AD-12500)
Type VI	Paul-Munroe ENERTECH 1000 kip steam generator hydraulic snubbers.

Each snubber type was functionally tested utilizing a test plan (as detailed in VEGP TRM 13.7.2.3 in accordance with Table 13.7.2-4) which requires that an initial representative random sample of ten percent (10%) of the population to be functionally tested. The result of the functional testing of the snubber types is as follows:

Snubber Type	I	II	III	IV	V	VI	Total
Total Population	21	59	26	236	111	8	461
10% Initial Representative Sample	3	6	3	24	12	1	49
Quantity Failed in Previous Outage	4	0	0	1	1*	0	6
Total Original Outage Test Scope	7	6	3	25	13	1	55
Total Tested Which Passed Acceptance Criteria	8	6	3	26	35	1	79
Total Tested Which Failed Acceptance Criteria	0	1	0	0	2	0	3
Expanded or Additional Snubbers Tested during Outage (Details Provided Below)	1	1	0	1	24	0	27
Total Tested	8	7	3	26	37	1	82

Expanded or Additional Snubbers Tested during Outage

Type I	Scope increased by one due to visually observed condition at 2-1201-239-H001.
Type II	Scope increased by one due to location adjacent to Type V failed snubber 2-1301-015-H004.
Type III	There were no scope additions for this type snubber.
Type IV	Scope increased by one due to visually observed condition at 2-1301-168-H012.
Type V	*Scope increased by one due to Condition Report (CR) #1999001715 identified during 2R7. Scope increased by twelve due to failure of Type V snubber 2-1301-015-H004 and one additional Type II due to location adjacent to failed snubber. Scope increased by twelve due to failure of 2-1301-106-H005.
Type VI	There were no scope additions for this type snubber.

Functional Test Failure Analysis

In accordance with VEGP TR 13.7.2, Table 13.7.2-4, paragraph 4, engineering evaluations were performed by Southern Company Services (SCS) for the one (1) Type II snubber and the two (2) Type V snubbers that failed functional testing. The engineering evaluations were performed in order to determine the cause(s) of the failures and to determine if the piping systems to which the failed snubbers were attached were adversely affected. The affected piping systems to which the failed snubbers were attached were returned to their approved design configuration by replacing the failed snubbers with known operable snubbers. The following is a listing of snubbers and the correspondence associated with the engineering evaluations that are available at the plant site for review upon request.

Type	Affected Snubber(s)	Applicable SCS Evaluation Letter/Date	Condition Report Number
V	2-1301-015-H004	SG-18366, 04/10/2001	2001000714
II	2-1301-094-H002	SG-18410, 04/26/2001	2001000979
V	2-1301-106-H005	SG-18414, 04/26/2001	2001000986

The specific Types I through VI snubbers that were functionally tested in response to VEGP TR 13.7.2 are itemized in the Snubber Functional Testing Listings of this report document.

GPC Action Item No. 87-0131 - Stagnant Borated Water Systems Cracking

As a result of generic concerns of pipe cracking in stagnant borated water systems in pressurized water reactors, several welds in Class 2 piping systems were examined in response to GPC Action Item No. 87-0131. Nondestructive examination methods utilized included ultrasonic and/or liquid penetrant examination techniques. Welds were examined in the Safety Injection and Containment Spray systems. No reportable indications were observed.

The examinations are itemized in the Class 2 Piping section of this report.

Balance of Plant Examinations For Flow-Accelerated Corrosion

Ultrasonic thickness examinations were performed on selected components (fittings, piping, and equipment) in the Condensate, Heater Drain, Heater Vent, Main Feedwater, Turbine Drain, Main Steam, Steam Generator Blowdown, Extraction Steam, and Turbine Drive Steam systems. In all, seventy-one (71) large-bore components were ultrasonically examined during the 2R8 maintenance/refueling outage. Of the seventy-one large-bore components ultrasonically examined, twenty-six (26) were due to the re-examination of previously examined components and forty-five (45) were examined for the first time. In addition, twenty-one (21) small-bore (<2" NPS) ultrasonic examinations were performed on selected portions of small-bore pipe lines and visual examinations were performed on the inside surface of two (2) drain tanks. The ultrasonic examination of large and small-bore components was performed using SNC procedure UT-V-466, Rev. 6, "Ultrasonic Flow-Accelerated Corrosion Examination Procedure". The visual examination of the two drain tanks was performed using SNC procedure VT-V-715, Rev. 2, "Visual Examination (VT-1)".

Eighteen (18) large-bore components were identified to have wall thickness measurements that indicated possible wear due to flow-accelerated corrosion (FAC). The affected components had wall thickness readings that were at or below the "Action Level" wall thickness value assigned to each of the components. The "Action Level" value is defined as the wall thickness which is fifty percent (50%) of the difference between the nominal wall and Code minimum wall. The examination results for sixteen of these large-bore components were reported by SNC Inspection and Testing Services (ITS) to VEGP Engineering Support by means of FAC Notification Reports (FNRs) which are available at the plant site for review. One FNR was subsequently determined to not be required due to the

component not actually being below its "Action Level" value. The examination results of the other two below "Action Level" components were reviewed by the site FAC Engineer and it was determined that no FNR was required due to the wall thinning not being significant. SCS engineering personnel were requested by the site FAC Engineer to perform an expedited evaluation to determine the continued acceptability of each below "Action Level" component for which an FNR had been initiated. The continued acceptability of small-bore components was determined by the site FAC Engineer. The following is a listing of correspondence associated with the engineering evaluations that are available at the plant site for review upon request:

Affected Component Type and System	FNR Number/Date	SCS Eval. Letter No./Date
21304031-14-P014 14" Pipe Section, Heater Drain System	F01V2001, 04/10/01	SG-18362, 04/11/01
21304004-12-R032HD28 6"x12" Expander, Heater Drain System	F01V2002, 04/10/01	SG-18373, 04/13/01
21304123-12-R034 6"x12" Expander, Heater Drain System	F01V2003, 04/10/01	SG-18373, 04/13/01
21305-E4-021 6A FW Heater Shell Wall Main Feedwater System	F01V2004, 04/11/01	SG-18380, 04/14/01
21305-E4-022 6B FW Heater Shell Wall Main Feedwater System	F01V2005, 04/11/01	SG-18380, 04/14/01
21305055-16-P011 16" Pipe Section, Main Feedwater System	F01V2006, 04/12/01	SG-18381, 04/20/01
21304031-14-P010 14" Pipe Section, Heater Drain System	F01V2007, 04/13/01	SG-18386, 04/19/01
21304031-14-P006 14" Pipe Section, Heater Drain System	F01V2008, 04/13/01	SG-18386, 04/19/01
21305547-34-P017 34" Pipe Section, Main Feedwater System	F01V2009, 04/17/01	SG-18391, 04/20/01
21305055-24-P007MFW15 24" Pipe Section, Main Feedwater System	F01V2010, 04/17/01	SG-18398, 04/23/01
21305055-16-E012MFW17 16" Elbow, Main Feedwater System	F01V2011, 04/16/01	SG-18381, 04/20/01
Downstream Ext. of 21305547-34-E018 34" Elbow, Main Feedwater System	F01V2012, 04/17/01	SG-18391, 04/20/01
Upstream Ext. of 21305055-24-E004 24" Elbow, Main Feedwater System	F01V2013, 04/20/01	SG-18413, 04/26/01

Affected Component Type and System	FNR Number/Date	SCS Eval. Letter No./Date
Downstream Ext. of 21304021-30-E029 30" Elbow, Heater Drain System	F01V2014, 04/23/01	N/A – Determined Not Below "Action Level"
21305061-16-P018 16" Pipe Section, Main Feedwater System	F01V2015, 04/23/01	SG-18412, 04/24/01
Upstream Ext. of 21305547-34-E020CND18 34" Elbow, Main Feedwater System	F01V2016, 04/24/01	SG-18422, 04/26/01
Downstream Ext. of 21305029-24-R013, 30"x24" Reducer, Condensate System	N/A – FNR Determined Not Required	N/A
21305157-6-P004, 6" Pipe Section, Main Feedwater System	N/A – FNR Determined Not Required	N/A

Examination results concerning each of the affected components were evaluated by SCS and it was determined that immediate corrective action was appropriate for two components. Portions of components 21305-E4-021 and 21305-E4-022 (i.e., FW Heaters 6A and 6B Shell Walls) were determined to be below acceptable wall thickness and were subsequently replaced. An additional four of the above components were determined to have significant wear and are being scheduled for replacement during the next maintenance/refueling outage, i.e., 2R9. This includes components 21304004-12-R032HD28, 21304123-12-R034, 21305055-16-P011, and 21305055-16-E012MFW17. All other large-bore components were determined to be acceptable for continued service for at least two more fuel cycles and no other corrective action was deemed necessary. In regards to small-bore examination results, five small-bore lines showed signs of wear significant enough to require immediate action during the maintenance/refueling outage. This included portions of four steam drain lines and a feedwater heater vent line. This small-bore piping was subsequently replaced. No other corrective actions were required or taken in regards to Flow-Accelerated Corrosion examinations during the 2R8 outage.

NRC Bulletin 88-09 - Thimble Tube Thinning in Westinghouse Reactors

In response to NRC concerns of thinning in Bottom-Mounted Instrumentation (BMI) flux thimbles in Westinghouse reactors, eddy current examination of the fifty-eight (58) flux thimbles was performed during the eighth maintenance/refueling outage at VEGP-2. The purpose of the examinations was to detect and size indications of possible wear on the outer diameter of the flux thimbles. The examination of the flux thimbles was performed by Westinghouse in accordance with their procedure MP 2.3.1 GAE/GBE-2, "Thimble Tube Eddy Current Inspection at Vogtle Units 1 and 2".

An evaluation was performed by Westinghouse using WCAP-12866, "Bottom Mounted Instrumentation Flux Thimble Wear", on BMI flux thimbles which were found to have indications of wear after the eighth fuel cycle. The evaluation indicates that that the 2R8 data and the projected wear on all thimbles for 2R9 and 2R10 is within the allowable limit of 80% specified in WCAP-12866. There was no need for repositioning the flux thimbles or capping at the seal table location.

In determining the projected wear data for 2R9 and 2R10, the 2R8 values were adjusted up based on the previous data from 2R6 and 2R7. Normally the maximum value of the last 3 cycles is used for this projection, however there were several tubes where the 2R8 data did not correlate with the previous outages. In these instances the larger value from the last two outages that was closest to the 2R8 data was used. This adjustment was performed based on a Westinghouse engineering judgement call.

The evaluation was transmitted to the plant site in Westinghouse letter GP-17252 dated April 25, 2001, for Flux Thimble Eddy Current Data Evaluation and is available at the plant site for review upon request.

Westinghouse Technical Bulletin NSD-TD-90-02 - BMI Conduit Guide Tube Leaks

In accordance with the recommendations in Westinghouse Technical Bulletin NSD-TD-90-02, the BMI conduit (flux thimbles) guide tubes were visually examined for any signs of leakage. The examination was performed by SNC personnel. There were no signs of cracks, pitting, or other signs of degradation to the BMI conduit guide tubes. The inspection was performed under MWO 20002019.

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 eighth maintenance/refueling outage (2R8) at VEGP-2.

Introduction

During 2R8, the Steam Generator Maintenance Services Group of the Westinghouse Nuclear Services Division performed eddy current testing of two Westinghouse Model F steam generators in parallel from April 18, 2001, through April 24, 2001. One hundred percent (100%) of the active tubes from two steam generators, i.e., Steam Generators 2 and 3, were inspected rather than only one steam generator as required by VEGP Technical Specification Table 5.5.9. The extent of the examinations and their results are summarized in Table I (refer to pages 4-15 to 4-18) including the location and the accumulative number of previously plugged steam generator tubes. Although Steam Generators 1 and 4 were not examined during 2R8, Table I provides information for those steam generators as well.

Tables II & III (refer to pages 4-19 and 4-20) identify the steam generator tubes with indications by location and percent of wall thickness penetration for Steam Generators 2 and 3, respectively. Information is provided only for the steam generators examined during 2R8.

Applicable procedures, personnel qualifications, material and equipment certifications, sign-off sheets, and supporting data, etc., can be found in Westinghouse Electric Company Nuclear Service Division Steam Generator Maintenance Services Field Service Report, MRS-FSR-1091-GBE, "Steam Generator Eddy Current Inspection", which is available at the plant site for review upon request.

Tube Inspection Plan

Bobbin Inspection Plan

Steam generator tube inspections conducted during 2R8 met or exceeded the recommendations made in the EPRI PWR Steam Generator Examination Guidelines, EPRI TR-107569-V1R5, 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 rather than twenty percent (20%) of the tube population from four steam generators each cycle or forty percent (40%) of the tube population from two steam generators each cycle. This plan offers the advantage of a shorter inspection interval in order to achieve complete steam generator tube inspection and offers an improved sensitivity to degradation mechanisms that might be initiating within a particular steam generator. Each of the tubes examined was tested full length.

Motorized Rotating Pancake Coil (MRPC) Inspection Plan

The inspection program outlined in the VEGP response to NRC Generic Letter 95-03, "Circumferential Cracking of Steam Generator Tubes", was met or exceeded during 2R8. During 2R8, the MRPC inspection plan for Steam Generators 2 and 3 for top-of-tubesheet circumferential cracking exceeded the minimum requirements specified in Revision 5 of the EPRI guidelines on steam generator tubing inspection. Approximately 64% of the tube population in each of the two steam generators were inspected. The MRPC inspections typically were conducted at the top of the tubesheet in a region approximately three inches above to three inches below the top of the tubesheet. The Plus-Point probe was used to conduct the inspections. Special-interest MRPC inspections were performed at hot leg and

cold leg distorted bobbin (possible flaw) indications using the 0.560 inch diameter Plus-Point probe. The VEGP plans include inspecting twenty percent (20%) of the hot leg freespan straight length and U-bend dings ≥ 5 volts identified by the bobbin probe utilizing the Plus-Point probe.

In response to the lessons learned from the tube rupture event at Indian Point 2, VEGP utilized a dual frequency (high/mid frequency) probe to ensure the data quality for the detection of Primary Water Stress Corrosion Cracking (PWSCC) in the low row U-bends was adequate. Presently, there are no published industry criteria for data quality and signal-to-noise (S/N) ratio. An evaluation of the S/N ratio was performed by Westinghouse on the low row U-bends and the S/N ratio was found to be acceptable for steam generators 2 and 3. A similar study, with acceptable results, was performed on SGs 2 and 3 on VEGP-1 during 1R9. The VEGP-2 review is documented in Westinghouse letter SGO-01-35 dated May 15, 2001.

Inspection Plan Implementation

To summarize the bobbin inspection plan, active tubes, row 3 and higher, were inspected with a Westinghouse 0.560-inch diameter probe throughout their entire length. The rows 1 and 2 straight lengths were tested using a 0.560-inch diameter probe.

The top of tubesheet and special interest examinations were performed with .560/115 +Point Probes at 900 rotations per minute (rpm). Approximately 60% of the rows 1 and 2 U-bend area RPC examinations were performed with High Frequency/Mid Range +Point RPC Probes. After the completion of the bobbin inspection program, special interest MRPC inspections were performed to better characterize indications in the steam generators. Disposition of tubes for which special interest MRPC was performed confirmed that these indications did not represent service-induced degradation.

The Eddy Current inspection program was conducted in accordance with Westinghouse Field Procedure MRS 2.4.2 GPC-3 Rev. 8, Eddy Current Inspection of Preservice and Inservice Heat Exchanger Tubing. Inspection probes used were in accordance with Probe Authorization Rev. 1 and test configurations and acquisition rates were in accordance with the Eddy Current ACTS Sheets GBE-01-101 (Bobbin), GBE-02-101 (TSH and Special Interest RPC), GBE-03-101 (Low Row Bobbin), GBE-04-101 (2 Coil U-bend RPC), GBE-05-101 (permeability), and GBE-06-101 (permeability, special interest and restrictions).

Per ACTS GBE-01-101, the bobbin inspection plan withdrawal rate was 40 inches per second and the test frequencies were 630 kilohertz (kHz), 320 kHz, 160 kHz, and 10 kHz. Per ACTS GBE-03-101, the bobbin withdrawal rate was 24 inches per second for low-row bobbin tube inspections. Per ACTS GBE-02-101, the withdrawal rate for the TSH and Special Interest Plus-Point RPC inspection plan was 0.4 inch per second and the test frequencies were 600 kHz, 300 kHz, 200 kHz, 100 kHz, and 20 kHz. Per ACTS GBE-04-101, the specifications for the low row U-bends 2 coil +Point Exam, the inspections are specified. ACTS GBE-05-101 and ACTS GBE-06-101 were written to facilitate the inspection of locations masked by permeability. Each probe, along with its inspection plan, corresponding ACTS number, and the EPRI Guidelines, Appendix H qualifications, is listed on the Probe Authorization dated March 27, 2001.

All tubes on the inspection plan were tested to their required extent. Special interest examinations (191 total) were required in all channelheads. Bobbin examinations were performed with Replaceable Probe Heads (RPH) mounted on WA-RLLC probe conduit. Row 1 and 2 U-bend RPC examinations were examined with a special order two coil high frequency / mid-range (HF/MR) probe. Four U-bends that would not pass the two coil probe head were tested with a standard one coil probe head.

Inspection Summary Table

Type and Extent of Inspection		SG 2	SG 3
Bobbin	Full Length TEH through TEC	5132	5137
Bobbin	7H through TEC	1	3
Bobbin	7C through TEC	486	485
Bobbin	7C through TEH	244	245
Bobbin	7H through TEH	243	243
+Point™ RPC	TSH +/- 3"	3598	3613
+Point™ RPC	U-bend, Row 1 (HF/MR)	73	71
+Point™ RPC	U-bend, Row 1	0	2
+Point™ RPC	U-bend, Row 2 (HF/MR)	71	72
+Point™ RPC	U-bend, Row 2	1	1
+Point™ RPC	U-bend, Row 3 (HF/MR)	0	1
+Point™ RPC	Special Interest, HL	35*	107*
+Point™ RPC	Special Interest, CL	7	28*
+Point™ RPC	Special Interest, U-bend	8	6
* -- Reflects tubes with multiple Special Interest Inspections.			

The above extents met or exceeded the inspection plan. In some cases, either the required minimum extent was exceeded or additional tubes were tested.

Data Evaluation

Data collection was performed by Westinghouse using the ROSA and TC6700 tester. Data was sent from the site via a data transmission line (T-1) in the ANSER 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 ST2000 software for Data Management. Framatome performed the secondary analysis of the eddy current data. Resolutions were performed jointly by Westinghouse and Framatome at the Waltz Mill facility. All analysis was performed using ANSER Software. SNC site-specific Data Analysis Guidelines and procedure MRS 2.4.2 GPC-37, Revision 6, "Steam Generator Eddy Current Data Analysis Techniques for Vogtle Units 1 and 2", were used to perform the analysis.

Analysts were required to complete a training session and then were tested on their performance. The analyst training meets the requirements of the EPRI PWR Steam Generator Examination Guidelines, EPRI TR-107569-V1R5, which included training tapes, test tapes, and a training manual for SNC. Analysts are required to pass an exam prior to analyzing any new data. One Westinghouse analyst did not pass the required exam and was rejected. Prior to the start of data acquisition a complete history review was performed of all baseline data for VEGP-2 to minimize the impact history lookups would have on the analysis schedule.

The primary analysis was performed off-site by Westinghouse at their Waltz Mill Facility. Secondary analysis was also performed off-site by Framatome at their Lynchburg and Benicia facilities. Remote analysis was accomplished using T-1 lines to communicate between the plant site and the remote locations. Data management was performed off-site with reports being generated on-site via the T-1 lines. A SNC Level III was located at the Waltz Mill site to facilitate the resolution of eddy current data and performed the duties of the independent qualified data analyst (QDA). In addition, SNC QDA performed random samples of test data to ensure the EPRI requirements were being followed. In addition, all comparison reports between the primary and secondary analysis were verified by the SNC QDA.

The bobbin/MRPC inspections conducted during 2R8 identified no pluggable indications in Steam Generator 2 or 3. The following table summarizes the indications found by stating the number of tubes in which each type of indication was found.

Indication Summary Table

Indication Size	Number of Tubes per Steam Generator (S/G)	
	S/G 2	S/G 3
40% and greater wall thickness penetration	0	0
30-39% wall thickness penetration	3	0
20-29% wall thickness penetration	8	3
Less than 20% wall thickness penetration	39	26
Possible Loose Part Wear	0	4
Manufacturing Buff Marks (total tubes)	1139	948
Dent or Ding (total tubes)	200	277

It should be noted that the above table is based on the largest indication per tube. Tubes with multiple indications had only the largest indication counted.

More details regarding indication distributions can be found in the maps, which follow the steam generator tubing inspection discussion.

Degradation Assessment

Prior to maintenance/refueling outage 2R8, VEGP performed a degradation assessment as required by the provisions of Nuclear Energy Institute (NEI) guideline NEI 97-06 and Revision 5 of the EPRI guidelines for steam generator tube inspection. The purpose of the degradation assessment was to ensure that the appropriate nondestructive examination (NDE) techniques and personnel would be used during eddy current testing at VEGP. The degradation assessment provides assurances that the NDE techniques used are appropriate for detection and measurement performance to support growth rates, repair criteria, and structural limits for the degradation mechanisms.

Degradation mechanisms were grouped into categories according to their likelihood of occurrence. The categories include: active mechanisms for degradation previously found in the VEGP steam generators, relevant mechanisms for degradation found in similar plants with the same tubing material and similar design features, and potential mechanisms for degradation not found in similar plants but not judged to have a meaningful potential to occur based on historical or laboratory data. Other degradation mechanisms judged to be non-relevant for Westinghouse Model F steam generators were addressed in the assessment. A subgroup included in the assessment identified the process applied to resolve potential indication signals in order to classify the signals for disposition relative to leaving the tube inservice or repairing the indications.

The only observed degradation mechanism at VEGP is anti-vibration bar (AVB) wear. As defined by the EPRI guidelines, the AVB wear observed at VEGP is not considered an active damage mechanism. The VEGP inspection plan requires the use of the bobbin probe to test all tubes in contact with the AVBs for the SGs tested that outage. The VEGP inspection plan is more conservative than the EPRI guidelines. Potential degradation mechanisms included in the assessment are Outside Diameter Stress Corrosion Cracking (ODSCC) and PWSCC which have been detected in thermally treated tubing in European plants. The VEGP inspection plan includes MRPC inspections at the top of tubesheet expansion region and at the small radius U-bends for detection of stress corrosion cracking (SCC). The assessment also concluded that the likelihood of initiation of both ODSCC and PWSCC at either the top of tubesheet expansion region and the small radius U-bends is considered low for VEGP.

Non-relevant degradation mechanisms include those degradation mechanisms observed in other steam generators with differing materials of construction and manufacturing practices. In general, these mechanisms are associated

with drilled-hole carbon steel tube support plates (TSP). The VEGP TSPs are broached, quatrefoil tube holes with stainless steel TSPs. The likelihood of initiation of these degradation mechanisms at VEGP is considered remote.

In response to the lessons learned from the tube rupture event at Indian Point 2, VEGP utilized a dual frequency (high/mid frequency) probe to ensure the data quality for the detection of PWSCC in the low row U-bends was adequate. Based upon our acceptable S/N measurements and the difficulty encountered while trying to push the double headed high/mid frequency probe through the row 1 tubes, it was determined that enough data was collected with the high/mid frequency probes to accept the single headed (mid-frequency) probe data. Approximately 60% of the total row 1 and 2 U-bends were examined with the high/mid frequency probe.

For each degradation mechanism identified, the assessment specified the probe(s) to be used during inspection, the detection qualification including techniques sheet and estimated probability of detection (POD) information, the inspection sample plan, and the basis for expanding the inspection, if required. The degradation assessment also included information supporting the sizing qualification (when sizing is applied) including technique sheet and uncertainty data.

Condition Monitoring

There were no steam generator tubes identified during 2R8 that challenged the structural integrity recommendations of NRC Regulatory Guide 1.121. Furthermore, there were no tubes that required in-situ leakage testing or pressure testing. The only tube degradation mechanism observed at VEGP-2 during 2R8 was tube mechanical wear at AVB and Baffle Plate intersections. The AVB wear observed during 2R8 was consistent with the historical performance and structural expectations as projected in the degradation assessment report. No tubes were found to have experienced excessive AVB wear. Based upon the results of the Wear Projection Technology, tube stabilization will not be required in either generator until after the end of plant life (38 years allowing for 20 year life extension). The VEGP-2 pre-outage degradation assessment identified a structural limit of approximately twenty-four percent (24%) (remaining wall thickness) for AVB wear which satisfies the requirements of NRC Regulatory Guide 1.121. The following table lists indications seen after final disposition during the inspection. Only AVB percent wear indications are representative of a tube degradation in the VEGP steam generators.

2R8 Indications/Signals	Condition	S/G 2	S/G 3
AVB	AVB % Wear Indications	95	43
BLG	Oversize Tube Diameter	11	33
DFI	Freespan indication (+Pt confirmed)	0	0
DFS	Benign Freespan Signal	134	145
DNG	Freespan Ding	132	187
DNI	Distorted Ding/Dent Indication	0	0
DNS	DNI cleared by +Pt (+Pt confirmed)	1	0
DNT	Dents (TSP, Baffle, TS)	129	218
DSI	TSP Indication (+Pt confirmed)	0	0
DSS	DSI History Cleared	37	28
MBM	Manufacturing Buff Marks	1788	1588
MMB	Multiple MBMs	10	0
PCT	Bobbin Sizing	95	43
PLP	Possible Loose Part	0	4
PVN	Permeability Variation	8	1

VOGTLE 2R8 AVB WEAR INDICATION SUMMARY

S/G	# IND	# ≥ 40%	Max. % Depth	2 cycle 95% Δ
2	95	0	37	3.46
3	43	0	27	2.11

Degradation Mechanisms

As defined in the degradation assessment, indications were categorized as observed, relevant, and non-relevant based upon their likelihood of occurrence. The AVB indications observed during 2R8 were consistent with expectations. For the ninety-five (95) indications reported in Steam Generator 2 and forty-three (43) indications reported in Steam Generator 3, none exhibit per cycle growth rates in excess of the 95% cumulative distribution allowance (11.7%) on the basis of prior cycle and documented in the Degradation Assessment Report. Forty-four (44) "new" indications, none > 16% in depth of penetration, were reported; this number was adjusted downward to 5 after lookups from the 2R6 data for new indications. None of the AVB wear indications were found to challenge tube integrity requirements and condition monitoring requirements are satisfied for these indications.

Foreign objects have been reported at VEGP-2 in prior inspections. Five PLP indications have been reported in SG 3 for 2R8. Those in the neighborhood of Row (R) 41 and Column (C) 25 are believed to be associated with a strap identified by visual examination in 2R7; loose parts evaluation indicated that no excessive wear was anticipated. A PLP signal was reported at SG 3 R21/C58-TSH+0.15"; no indication of wear is associated with this location. A visual inspection of this area did not indicate the presence of a PLP due to no definition of shape. The area identified appeared to be a scale bridge. If there is a PLP at this location, it is covered with scale that will prevent any relative motion or drag force.

There were no indications of outside diameter (OD) pitting or transition zone stress corrosion cracking detected. These degradation modes have not been observed in US Model F SGs with thermally treated tubes.

U-bend PWSCC, ODSKC related to the presence of freespan dings or support plate level dents, and sludge pile ODSKC are degradation mechanisms that have not been observed in similar SGs but are considered on a contingency basis should such indications be detected. There were no indications attributable to any of these mechanisms at VEGP-2 during 2R8. The likelihood of occurrence of these indications have the lowest probability of occurrence in the Westinghouse Model F design steam generators.

Indications reported in the VEGP-2 steam generators include manufacturing burnish marks and benign indications. The signals associated with these categories do not represent in-service degradation. The locations of these signals were carefully monitored for change from baseline or initial condition. In addition, approximately 191 other locations were re-examined with the Plus-Point probe because of questions concerning the nature of their bobbin signal. All these locations were confirmed to exhibit characteristics that were not indicative of tube degradation.

All straight tube section dents (≥5 volts) in both SG 2 and 3 were examined with Plus-Point probes. Also, twenty percent of the U-bend dents ≥ 5 volts were examined with a Plus-Point probe. All of the locations tested in both S/Gs were reported as No Detectable Degradation (NDD). The dings and dents in Model F SGs do not result from TSP corrosion, because the 405 stainless steel plate quatrefoil tube hole design is unlikely to support in-service denting. There were no indications for the dents and dings other than the change in geometry and no degradation was detected.

AVB Wear Projection Technology-based Assessment

The Wear Projection Technology's Outage-Follow Mode application supporting the VEGP-2 2R8 Outage provided daily, and cumulative, confirmation that there was no wear site data obtained during the outage which indicated a need for tube stabilization (or tube plugging during this outage). Further, a near-worst-case interpretation of the largest (worst case) tube / AVB wear site increment (of 16% between 2R6 and 2R8) was evaluated. This evaluation

indicated that, for this near-limit-case scenario, the margin relative to requiring stabilization at expected end-of-operation (with a 20 year Plant-Life-including life extension) is more than 38 years. Westinghouse concluded that the tube U-bend wear degradation mode is presently not strongly progressing in VEGP-2 Steam Generators 2 and 3.

Operational Assessment

NEI 97-06 requires that a "Forward Looking" operational assessment be performed. This assessment must establish if observed degradations mechanisms will continue to meet tube structural and leakage integrity requirements at the end of the upcoming cycle. This is calculated by adding growth rates and NDE uncertainty to the largest flaw left in service (the maximum indication that can be left in service is 39%). Performing this calculation using a 95% Confidence Limit (CL) the projected AVB wear at 2R9, when SG 1 and 4 are next inspected is $39\% + 14.8\% + 4.3\%$, or 58.1% Through-Wall (TW). For 2R10, the calculation for SG 2 and 3 is $39\% + 14.5\% + 4.3\%$, or 57.8% TW. This is below the structural limit of 75.75% TW identified in the Degradation Assessment, therefore tube integrity is demonstrated and operational assessment requirements are met for two-cycle inspection intervals.

The above evaluation is conservative based on the following:

- 1) The growth rate for the inspection period ending at 2R6 was used. The 2R6 data was used as a conservative measure since the observed growth rates were negative for end of 2R8.
- 2) Generally, the largest growth rates do not occur at the largest indications left in service.
- 3) Largest wear assumed to be left in service was 39%.

The 2R8 growth rates for the AVB indications were, on the average, slightly negative. SG 3 had a more negative average change than did SG 2. The general implication of this is that there is little or no growth to the AVB indications as a population. As addressed in the Condition Monitoring Operational Assessment (CMOA), this negative growth rate can be attributed to slight differences (still acceptable tolerances) between the standards used in the inspections. In summary, based on the CMOA evaluation, the negative average growth rates observed for AVB indications during 2R8 imply little or no average growth in the population charted.

The projected wear using the observed data for 2R8 would be significantly less. The end of cycle (EOC) wear for 2R10 in SG 2 is 43.2% TW. The EOC wear for 2R10 in SG 3 is 32.2% TW. The EOC wear for 2R9 in SG 1 is 42.2% TW and EOC for 2R9 in SG 4 is 51.0% TW. These values using the observed 2R8 data are significantly less than the conservative calculations above using 2R6 growth rates and maximum allowable wear for return to service.

The projection used at 2R7 for SGs 1 and 4 employed a 15.1% growth allowance. Therefore the 2R7 projection for 2R9 remains the most conservative for these SGs. These projections predict maximum wear depths well below the structural limit of 75.75% TW identified in the Degradation Assessment; thus, tube integrity is demonstrated and the operational assessment requirements are met for two cycle inspection intervals.

AVB wear is the only systematic degradation mechanism that has been observed at VEGP-2. Based on application of conservative prior AVB wear growth rates, the condition of the VEGP-2 SG tubes has been analyzed with respect to continued operability of the SGs until the end of Cycle 10, without exceeding the structural integrity recommendations of draft Reg. Guide 1.121. Conservative projection of the AVB wear in SGs 2 and 3 to EOC10 indicates that all structural criteria will continue to be satisfied until the next planned inspection for each SG. Similarly, based on the current data from 2R8, projections for SGs 1 and 4 to EOC9 indicate that all structural criteria will continue to be satisfied for these SGs as well until their next inspection at 2R9. The conclusion for SGs 1 and 4 will be re-evaluated based on the data from 2R9.

Visual Inspection

A visual inspection of the tubesheet was performed of plugged tube ends to identify signs of leakage. There were no signs of visible leakage from plugged tubes. Westinghouse procedure MRS-SSP-1102-GAE/GBE, "Visual Inspection of Mechanical Plugs for Vogtle Site", was used to inspect the tube plugs.

Mechanical Plugging

As noted above, there were no tubes required to be plugged in steam generators 2 or 3.

By letter LCV-1536, dated May 2, 2001, SNC notified the NRC pursuant to VEGP Technical Specification 5.6.10.a and reported that no tubes were plugged in SG 2 or 3 during 2R8.

VEGP-2 Outage 2R8 Plugging Summary

	SG 2	SG 3
Tubes plugged this outage	0	0
Tubes previously plugged	7	1
Total plugged tubes	7	1

Maps

1. Steam Generator 2 - Bobbin Inspection Plan - Cold Leg (page 4-21)
2. Steam Generator 2 - Bobbin Inspection Plan - Hot Leg (page 4-22)
3. Steam Generator 2 - Tubesheet +PT Inspection Plan- Hot Leg (page 4-23)
4. Steam Generator 2 - UB +PT Inspection Plan (page 4-24)
5. Steam Generator 2 - Bobbin Test Extents (Actual) (pages 4-25 and 4-26)
6. Steam Generator 2 - +PT Tests Extents (Actual) (pages 4-27 and 4-28)
7. Steam Generator 3 - Bobbin Test Program - Cold Leg (page 4-29)
8. Steam Generator 3 - Bobbin Test Program - Hot Leg (page 4-30)
9. Steam Generator 3 - Tubesheet +PT Inspection Plan- Hot Leg (page 4-31)
10. Steam Generator 3 - UB +PT Inspection Plan (page 4-32)
11. Steam Generator 3 - Bobbin Test Extents (Actual) (pages 4-33 and 4-34)
12. Steam Generator 3 - +PT Test Extents (Actual) (pages 4-35 and 4-36)

TABLE I

Steam Generator 1

Total No. of Tubes:	5,626
No. of Tubes Inspected:	5,622
No. of Tubes Degraded:	N/A
No. of Tubes Defective:	N/A
No. of Tubes Plugged Prior to Outage 2R8:	4
No. of Tubes Plugged during Outage 2R8:	N/A
Total No. of Tubes Plugged:	4 (plugs located at Row 1, Column 1; Row 27, Column 42; Row 54, Column 35; and Row 48, Column 26)
Overall Percentage of Tubes Plugged:	0.07%

TABLE I (continued)

Steam Generator 2

Total No. of Tubes:	5,626
No. of Tubes Inspected:	5,619
No. of Tubes Degraded:	11
No. of Tubes Defective:	0
No. of Tubes Plugged Prior to Outage 2R8:	7
No. of Tubes Plugged during Outage 2R8:	0
Total No. of Tubes Plugged:	7 (plugs located at Row 2, Column 48; Row 5, Column 48; Row 16, Column 103; Row 48, Column 98; Row 53, Column 86; Row 50, Column 67; and Row 51, Column 32)
Overall Percentage of Tubes Plugged:	0.12%

TABLE I (continued)

Steam Generator 3

Total No. of Tubes:	5,626
No. of Tubes Inspected:	5,625
No. of Tubes Degraded:	3
No. of Tubes Defective:	0
No. of Tubes Plugged Prior to Outage 2R8:	1
No. of Tubes Plugged during Outage 2R8:	0
Total No. of Tubes Plugged:	1 (plug located at Row 25, Column 102)
Overall Percentage of Tubes Plugged:	0.02%

TABLE I (continued)

Steam Generator 4

Total No. of Tubes:	5,626
No. of Tubes Inspected:	5,609
No. of Tubes Degraded:	N/A
No. of Tubes Defective:	N/A
No. of Tubes Plugged Prior to Outage 2R8:	17
No. of Tubes Plugged during Outage 2R8:	N/A
Total No. of Tubes Plugged:	17 (plugs located at Row 48, Column 25; Row 3, Column 35; Row 12, Column 36; Row 57, Column 46; Row 8, Column 56; Row 52, Column 56; Row 16, Column 57; Row 51, Column 59; Row 48, Column 64; Row 23, Column 67; Row 51, Column 73; Row 22, Column 90; Row 24, Column 93; Row 57, Column 45; Row 50, Column 67; Row 57, Column 44; and Row 44, Column 21).
Overall Percentage of Tubes Plugged:	0.30%

TABLE II**Steam Generator 2**

Row	Column	Reference Point (Note 1)	Distance from Ref. (in.) (Note 2)	Wall Thickness Penetration (%)	Plugged (Y/N)
42	19	AV3	-.03	11	N
43	20	AV2	-.26	13	N
54	38	AV4	.00	15	N
38	39	AV5	-.17	22	N
39	43	AV3	.00	19	N
39	44	AV5	.00	13	N
40	48	AV4	.00	22	N
59	56	AV4	.26	12	N
40	58	AV5	.00	33	N
43	64	AV1	.00	17	N
52	71	AV4	.00	37	N
44	72	AV5	.00	12	N
51	72	AV3	.00	11	N
40	73	AV5	.00	17	N
43	73	AV4	.00	21	N
52	73	AV4	.00	36	N
38	74	AV2	.00	15	N
42	74	AV2	.00	28	N
49	74	AV3	.20	20	N
51	74	AV3	.11	16	N
57	79	AV3	.00	9	N
38	81	AV6	.00	12	N
51	87	AV5	.00	29	N
39	88	AV4	.00	18	N
42	88	AV2	.00	12	N
53	88	AV5	.06	18	N
50	89	AV5	-.11	13	N
51	89	AV5	.06	29	N
53	90	AV6	.00	9	N
49	91	AV2	.00	22	N
28	115	AV6	.00	19	N

The above information is based on the largest indication observed for the respective tube during the eighth maintenance/refueling outage at VEGP-2.

Note 1: Reference Point Location Description

TSH, TSC - Top of Tubesheet Hot and Cold
 BPH, BPC - Baffle Plate Hot and Cold
 #H, #C - (# = Number) of Support Plate Hot and Cold, e.g., 2H, 2C
 AV1, AV2, AV3, AV4, AV5, AV6 - Anti-vibration Bars

Note 2: Unless indicated otherwise, distance is above Reference Point. A negative number, e.g., -2.00, indicates that the distance is below the Reference Point.

TABLE III**Steam Generator 3**

Row	Column	Reference Point (Note 1)	Distance from Ref. (in.) (Note 2)	Wall Thickness Penetration (%)	Plugged (Y/N)
32	12	AV5	.00	19	N
34	13	AV5	.14	20	N
38	15	AV1	.00	14	N
32	16	AV2	.00	14	N
41	19	AV4	.00	12	N
42	19	AV5	-.49	11	N
42	20	AV4	.00	13	N
43	21	AV2	.06	11	N
44	21	AV2	.00	15	N
45	22	AV3	.12	15	N
44	23	AV3	.19	11	N
45	23	AV3	.19	15	N
47	24	AV4	.00	18	N
47	25	AV2	.00	14	N
48	25	AV6	-.03	9	N
50	29	AV4	.00	11	N
51	31	AV6	.00	11	N
48	37	AV3	.14	13	N
54	38	AV5	.00	13	N
57	48	AV6	.03	13	N
57	49	AV4	-.08	10	N
58	49	AV6	-.08	16	N
42	53	AV4	-.27	9	N
39	72	AV3	.25	16	N
41	77	AV4	.36	22	N
57	78	AV2	.00	10	N
56	82	AV3	.00	27	N
42	104	AV6	-.05	10	N
40	106	AV1	.52	10	N

The above information is based on the largest indication observed for the respective tube during the eighth maintenance/refueling outage at VEGP-2.

(1) See Note 1, page 4-19.

(2) See Note 2, page 4-19.

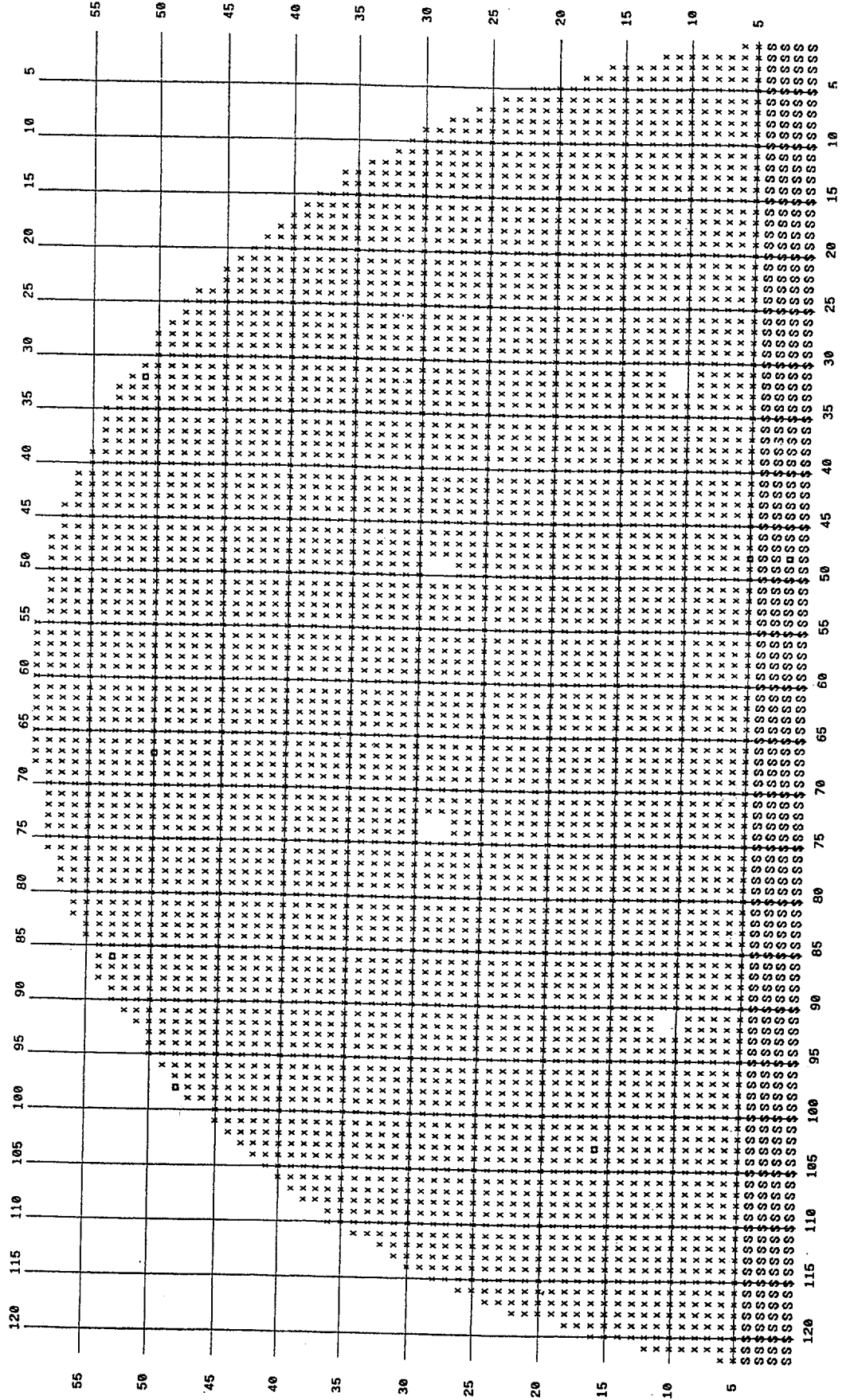
SG - 2 .560 BOBBIN INSPECTION PROGRAM

Cold Leg - ACTS: GBE-01-101 R0
Vogtle U2R8 GBE F

x 5132 TEST FULL LENGTH WITH .560
BOBBIN PROBE

S 487 TEST STRAIGHT SECTION WITH
.560 BOBBIN PROBE

□ 7 PLUGGED TUBE



SG - 2 .560 BOBBIN INSPECTION PROGRAM

Hot Leg - ACTS: GBE-03-101 R0

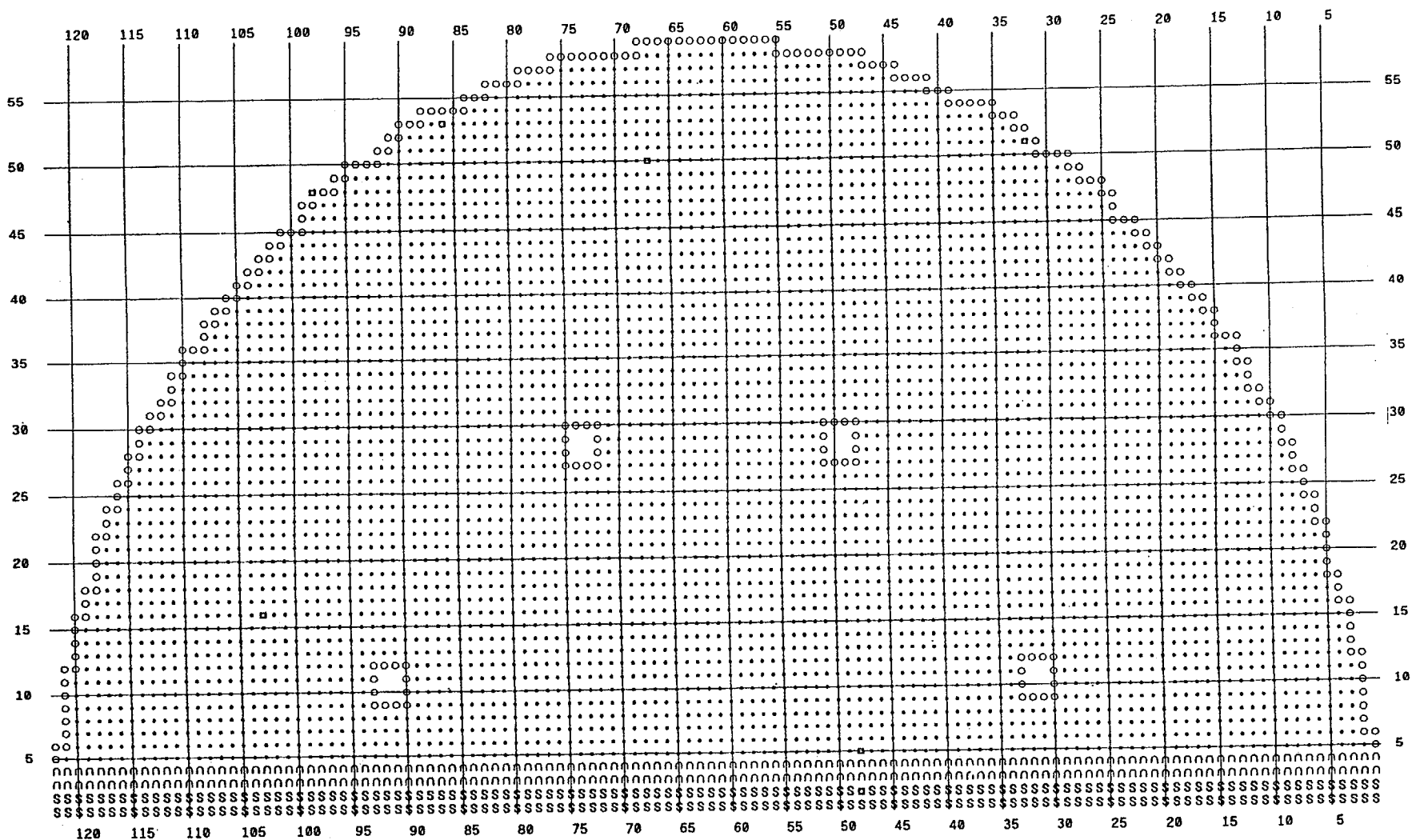
Vogtle U2R8 GBE F

S 243 TEST STRAIGHT SECTION WITH
.560 BOBBIN

o 244 TEST FROM 7C THROUGH TEH WITH
.560 BOBBIN PROBE

□ 7 PLUGGED TUBE

4-22

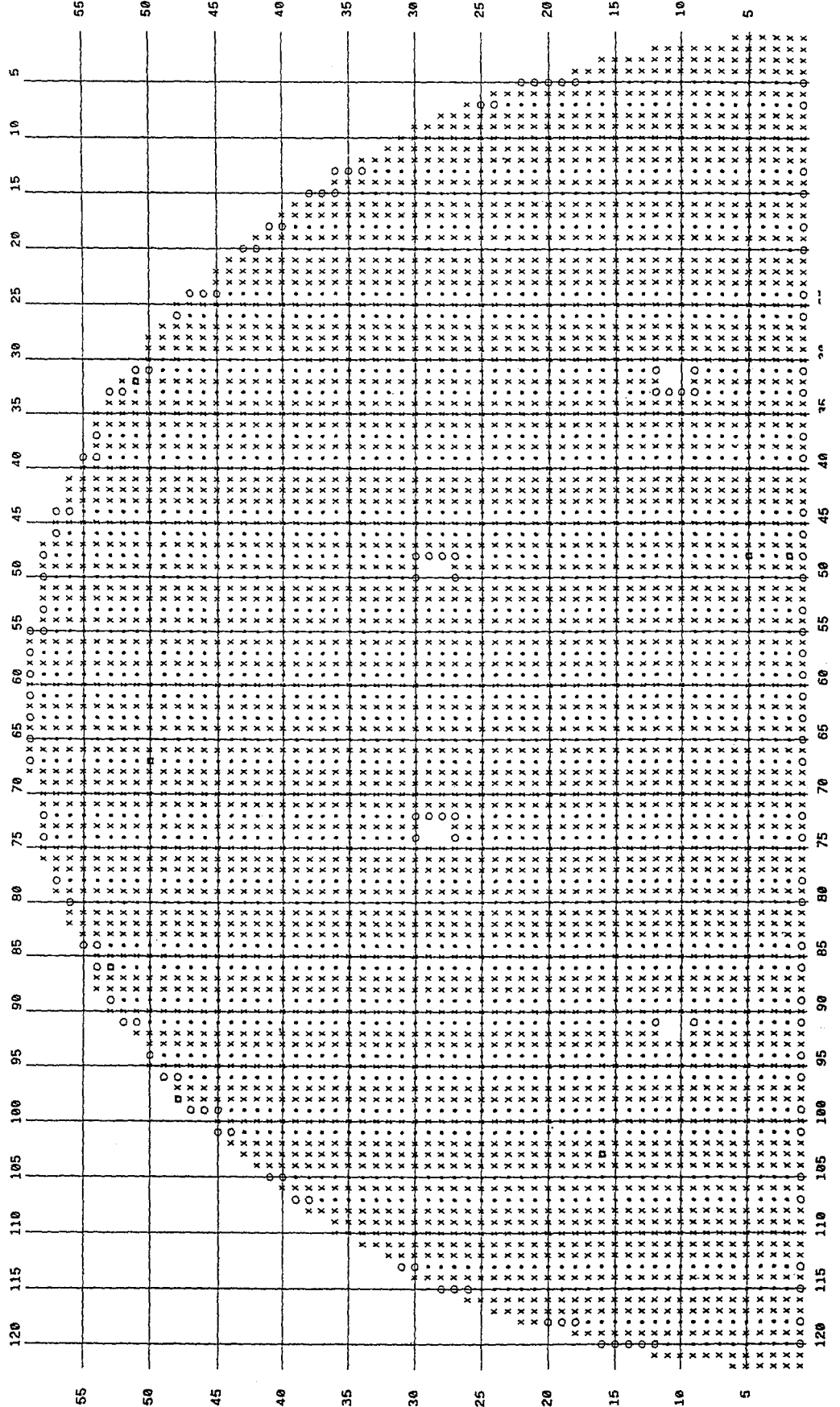


SG - 2 .560+PT TOP OF TUBESHEET INSPECTION PROGRAM

Hot Leg - ACTS: GBE-02-101 R0
Vogtle U2R8 GBE F

x 3598 TEST TSH +/- 3"

□ 7 PLUGGED TUBE



SG - 2 .520 UB +PT INSPECTION PROGRAM

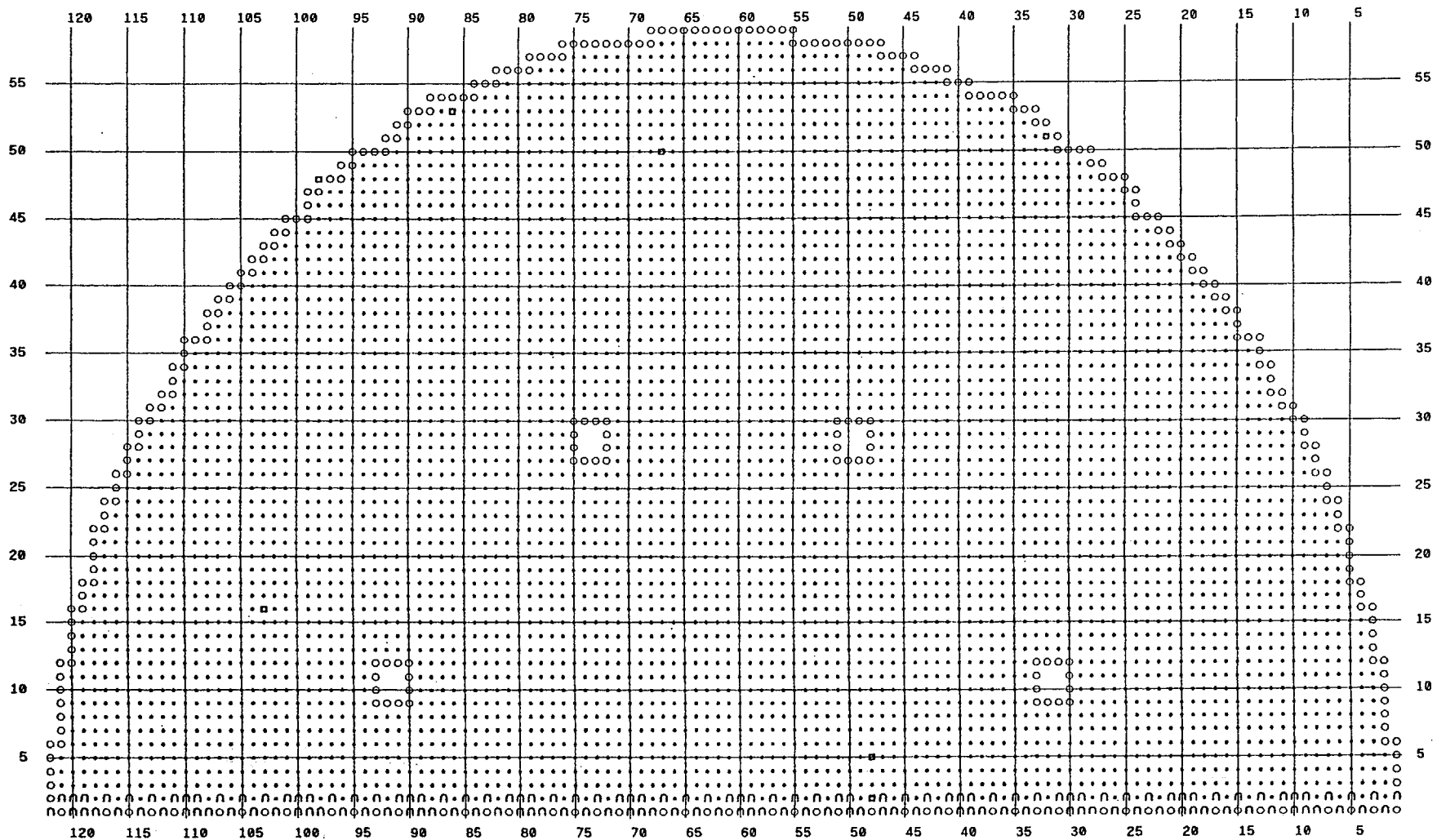
ACTS: GBE-04-101 R0

Vogtle U2R8 GBE F

○ 145 TEST U-BEND

□ 7 PLUGGED TUBE

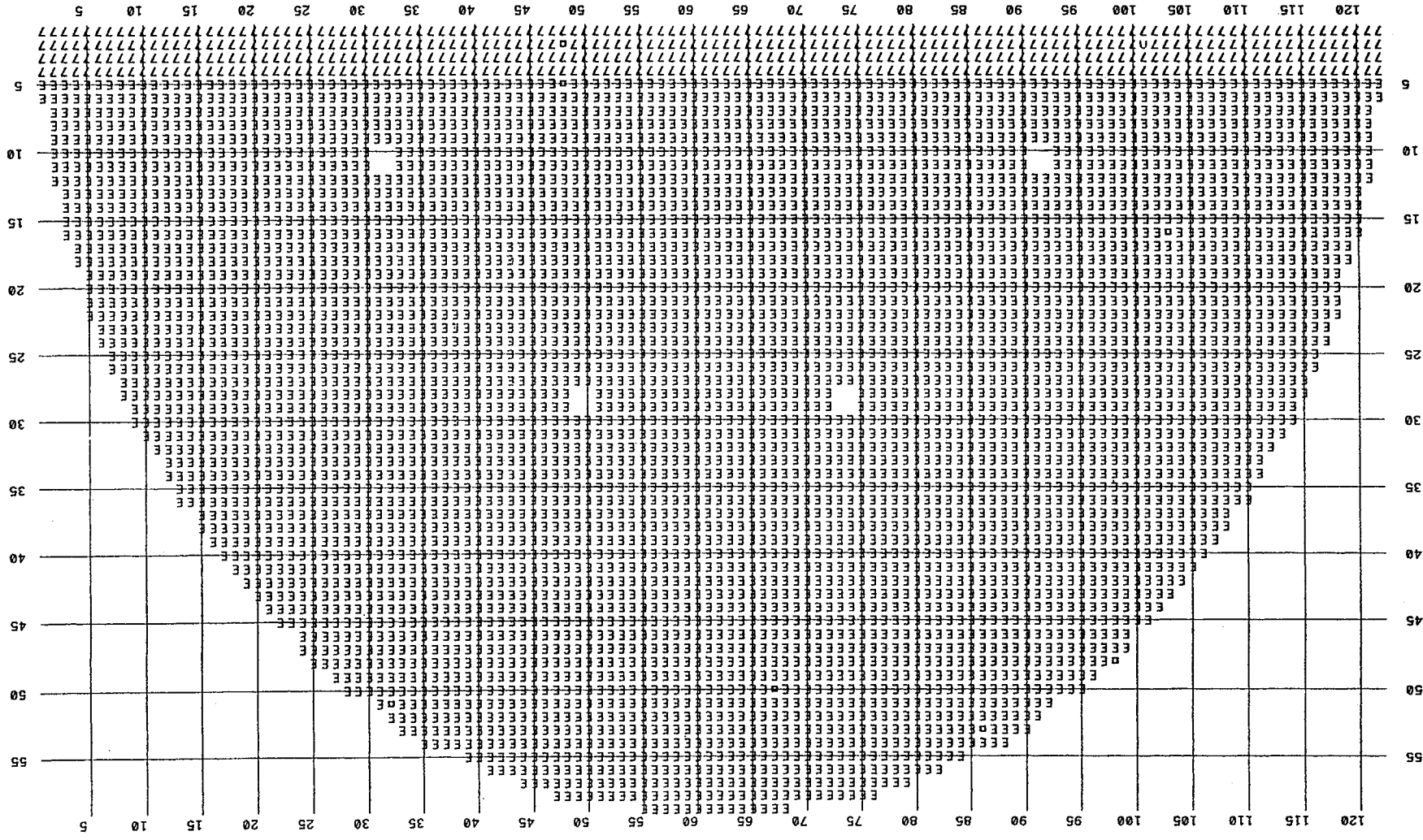
4-24



SG - 2 COLD LEG BOBBIN COMPLETED EXTENTS

Vogtle U2R8 GBFF

- E 5132 TESTED FULL LENGTH (TEH-TEC)
- U 1 TESTED 7H THROUGH TEC
- 7 486 TESTED 7C THROUGH TEC
- 7 PLUGGED TUBE



SG - 2 HOT LEG BOBBIN COMPLETED EXTENTS

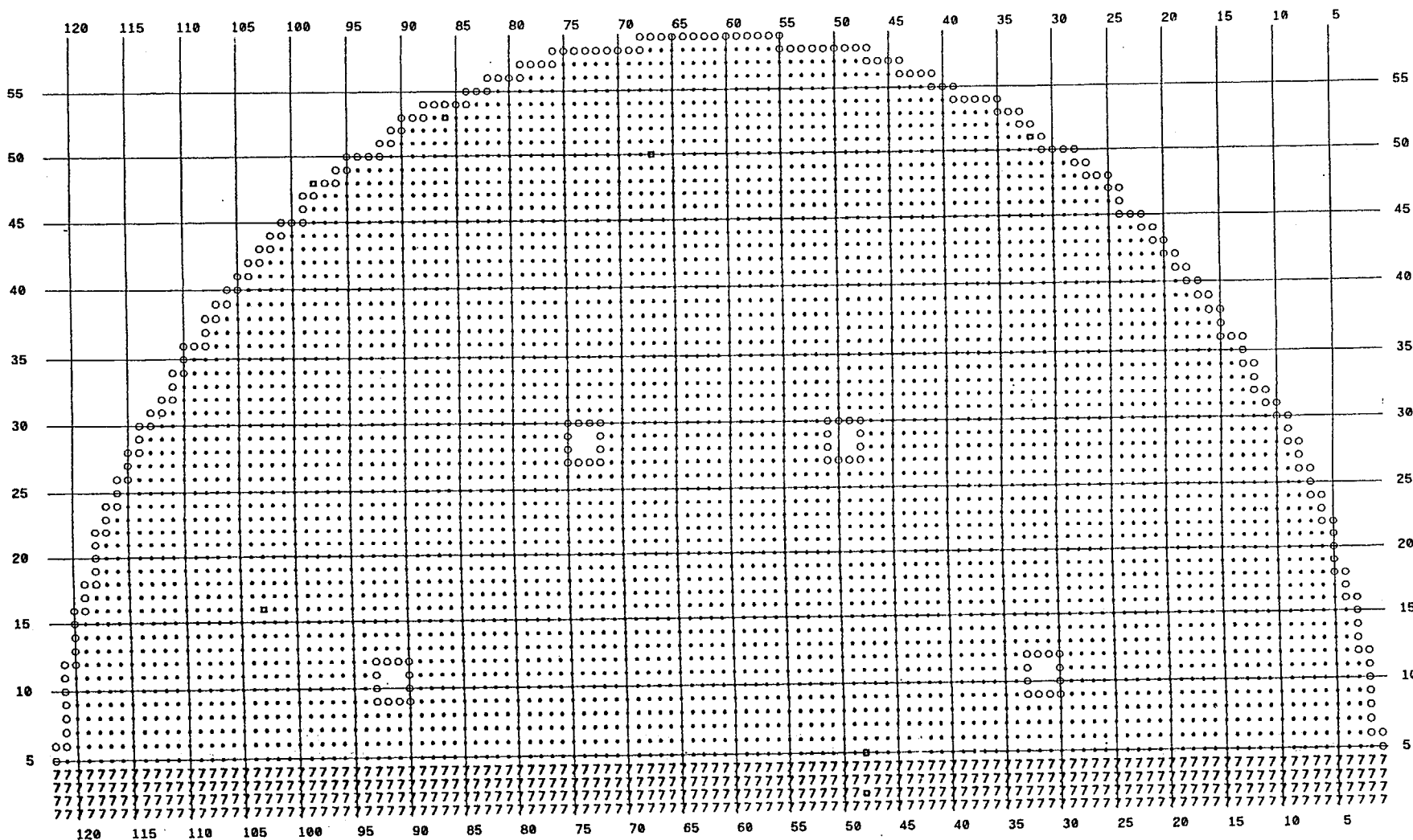
Vogtle U2R8 GBE F

7 244 TESTED 7C THROUGH TEH

7 243 TESTED 7H THROUGH TEH

□ 7 PLUGGED TUBE

4-26

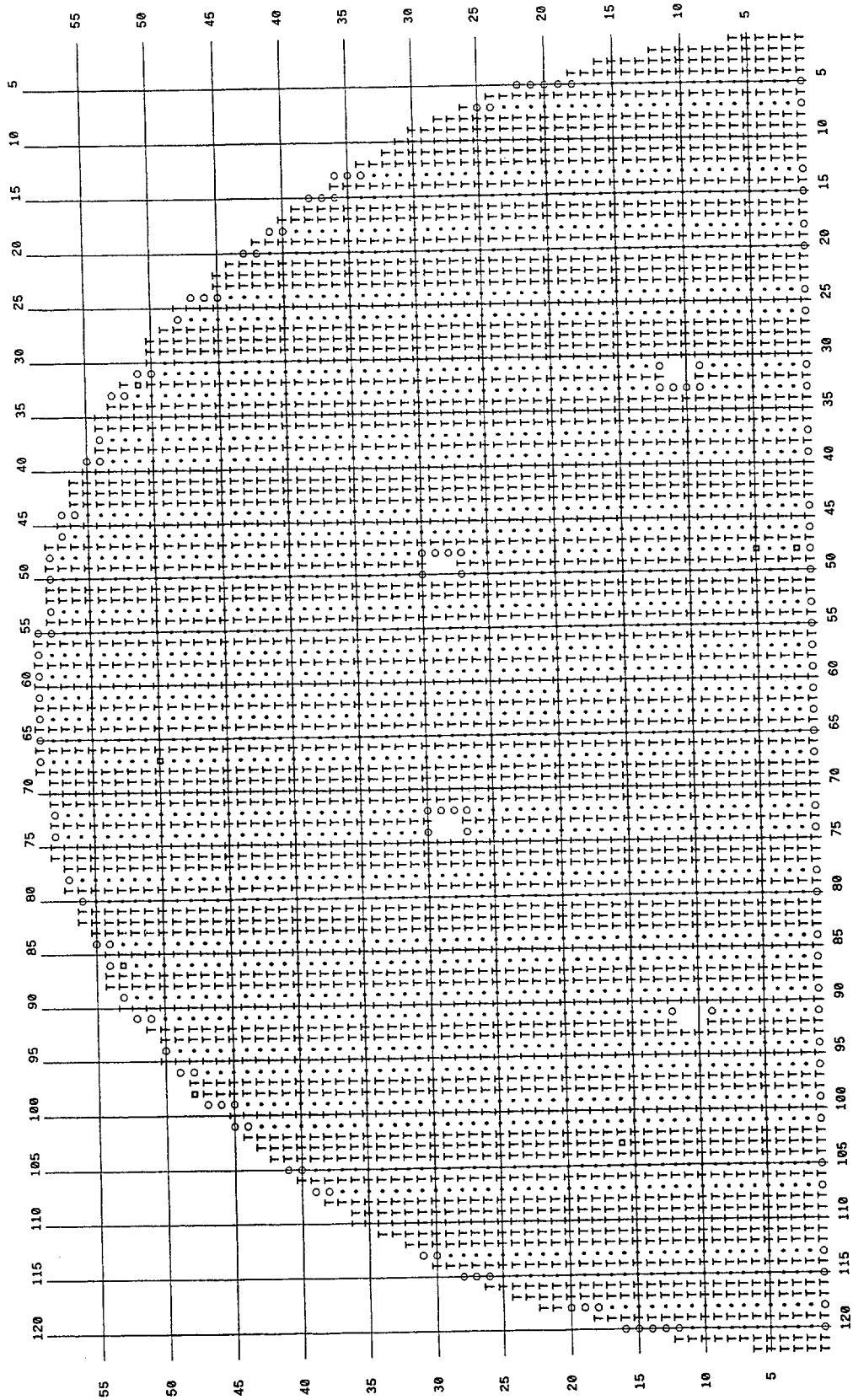


SG - 2 TOP OF TUBESHEET COMPLETED EXTENTS

From Base Scope
Vogtle U2R8 GBE F

T 3598 TESTED TSH +/- 3"

□ 7 PLUGGED TUBE



SG - 2 U-BEND +PT COMPLETED EXTENTS

From Base Scope

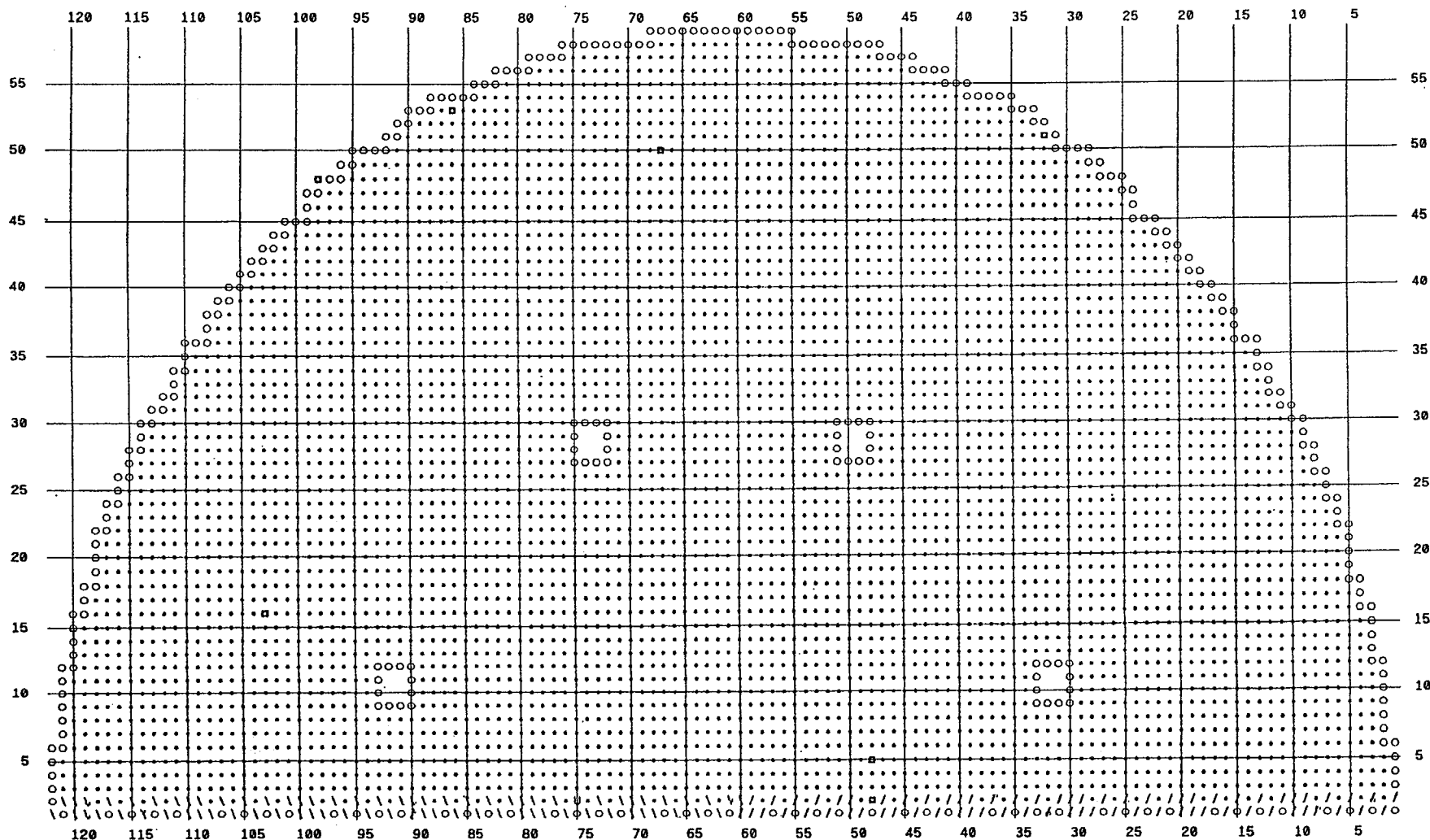
Vogtle U2R8 GBE F

A 71 TESTED 7H THROUGH 7C WITH \square 7 PLUGGED TUBE
.520-HF UB +PT PROBE

V 73 TESTED 7C THROUGH 7H WITH
.520-HF UB +PT PROBE

U 1 TESTED 7H THROUGH 7C WITH
.500 NON-HF UB +PT PROBE

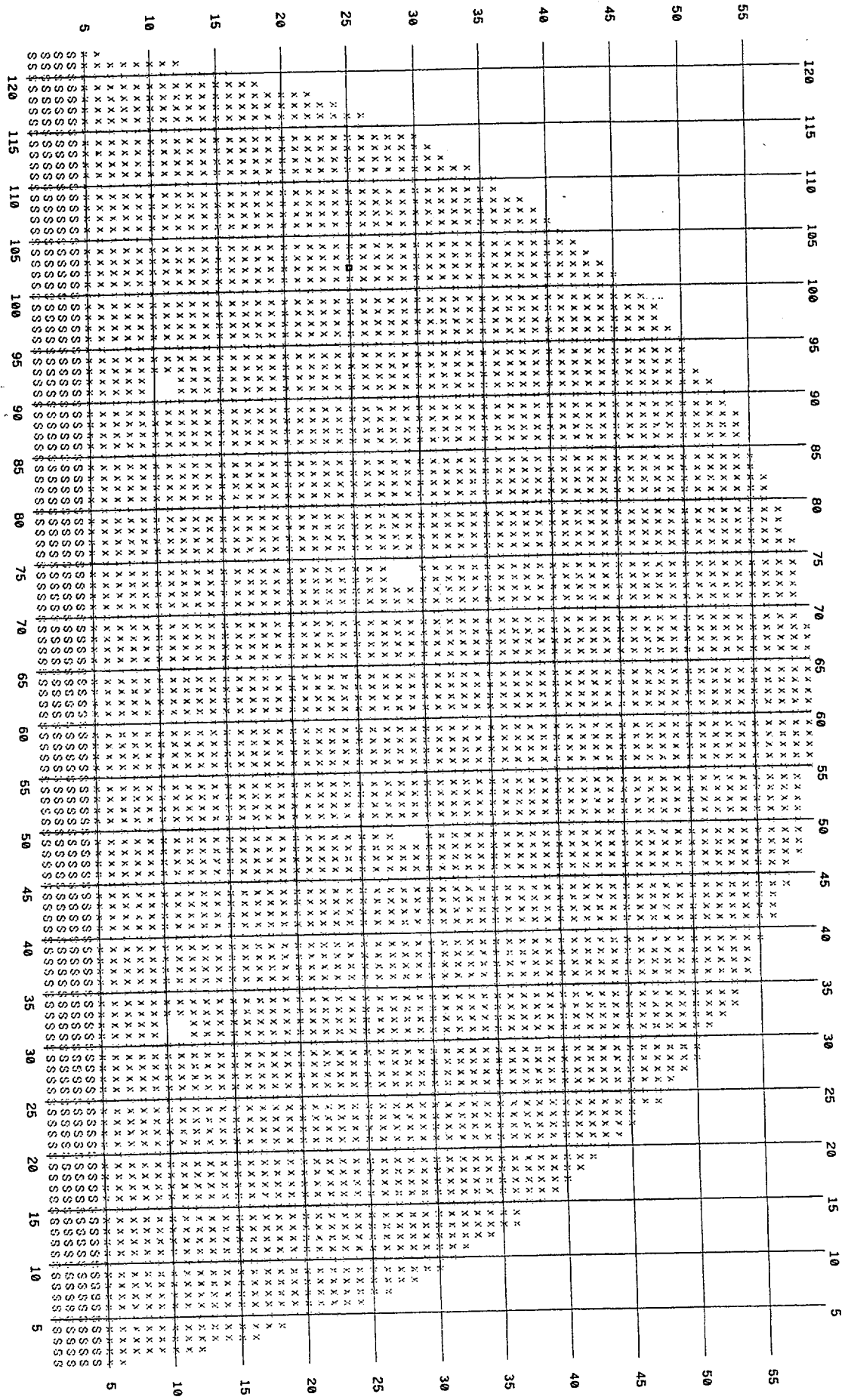
4-28



SG - 3 .560 BOBBIN INSPECTION PROGRAM

Cold Leg - ACTS: GBE-01-101 R0
Vogtle U2R8 GBE F

8 400 TEST STRAIGHT SECTION WITH
.560 BOBBIN PROBE
x 5137 TEST FULL LENGTH WITH .500
BOBBIN PROBE
□ 1 PLUGGED TUBE



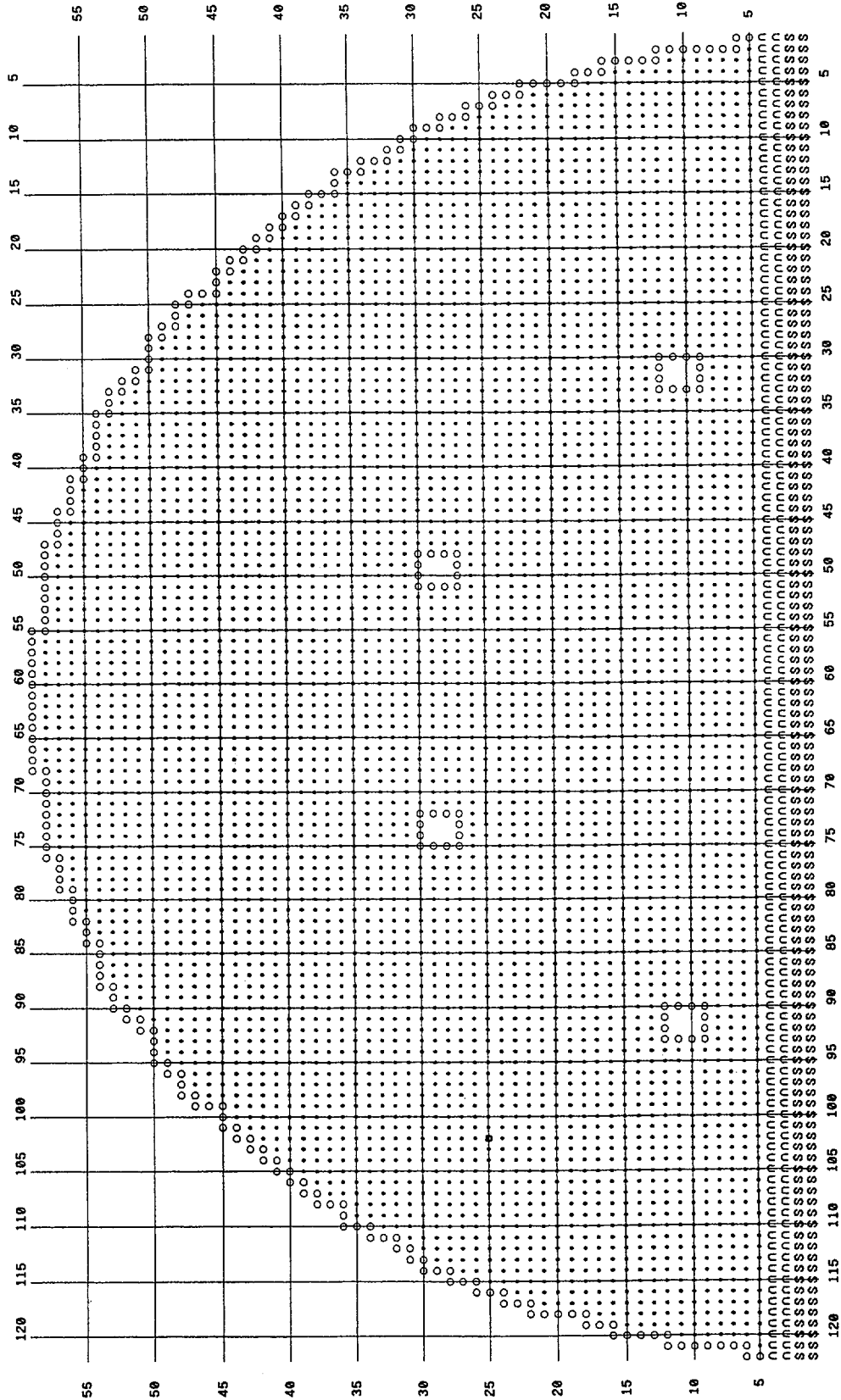
SG - 3 .560 BOBBIN INSPECTION PROGRAM

Hot Leg - ACTS: GBE-03-101 R0
Vogtle U2R8 GBE F

S 244 TEST STRAIGHT SECTION WITH
.560 BOBBIN PROBE

Q 244 TEST FROM 7C THROUGH TEU WITH
.560 BOBBIN

□ 1 PLUGGED TUBE

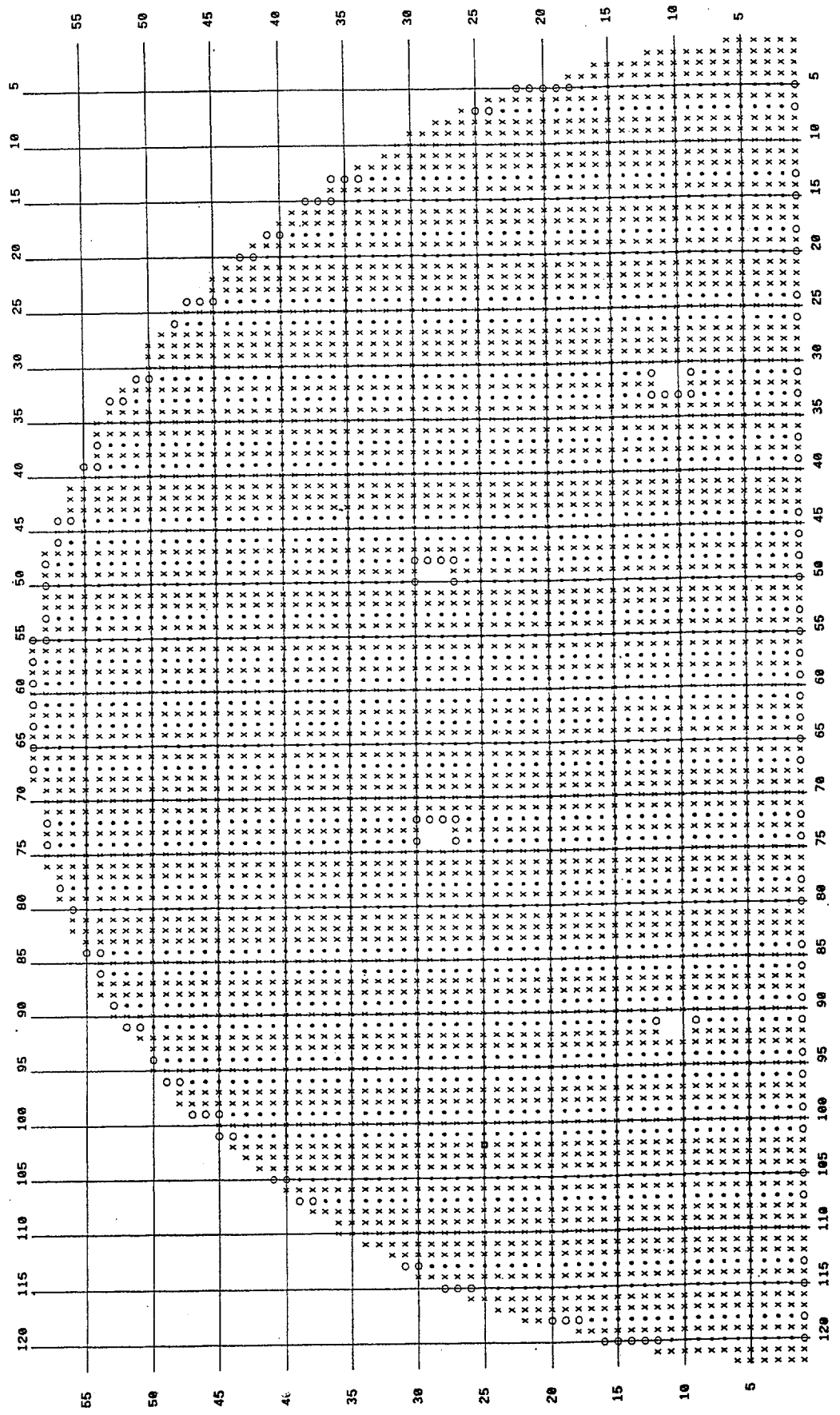


SG - 3 .560 +PT RPC TOP OF TUBESHEET INSPECTION PROGRAM

Hot Leg - ACTS: GBE-02-101 R0
Vogtle U2R8 GBE F

x 3610 TEST TSH +/- 3

□ 1 PLUGGED TUBE



SG - 3 .520 +PT U-BEND INSPECTION PROGRAM

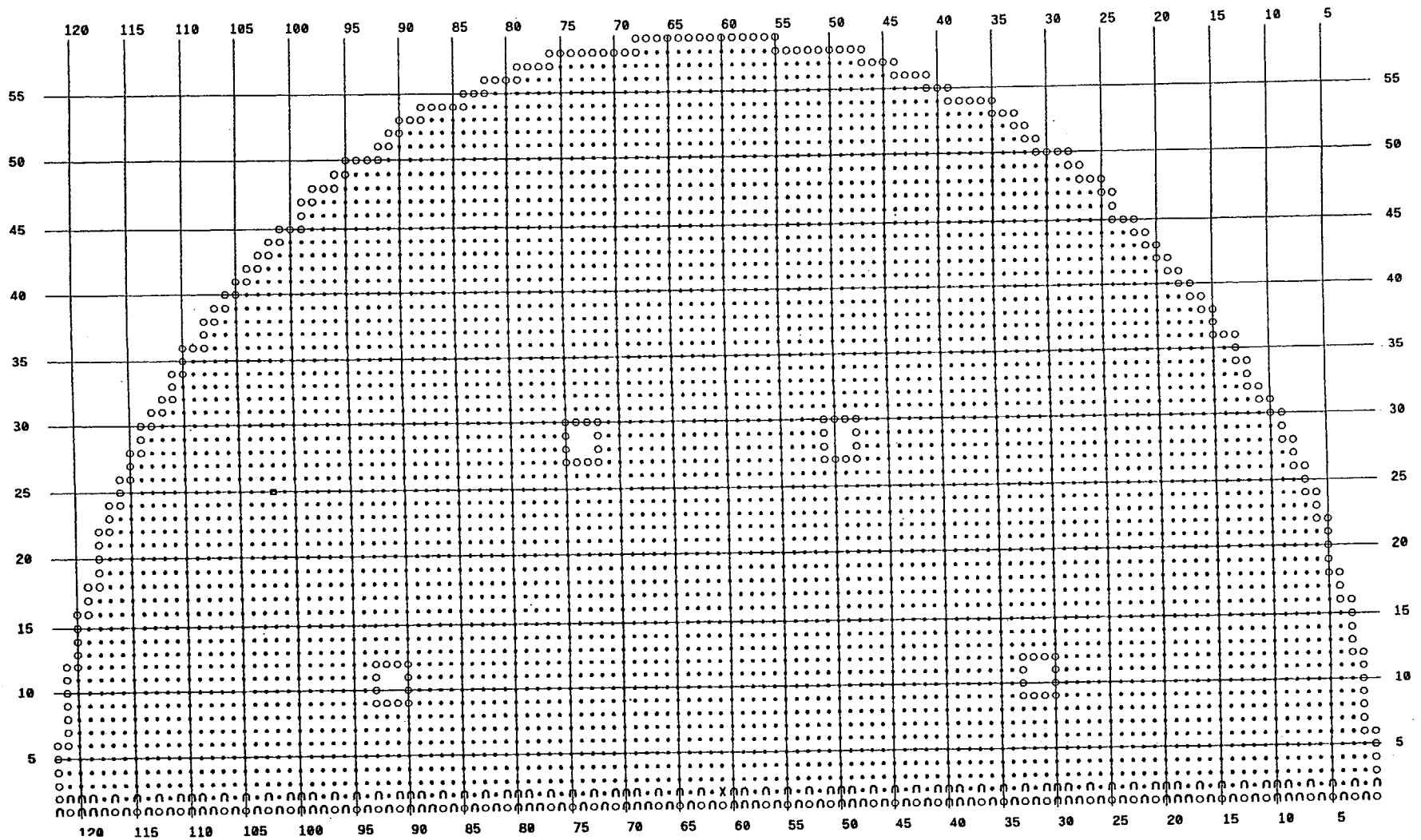
ACTS: GBE-04-101 R0

Vogtle U2R8 GBE F

n 145 TEST UB

X 1 TEST UB - ADDED 4-20-01

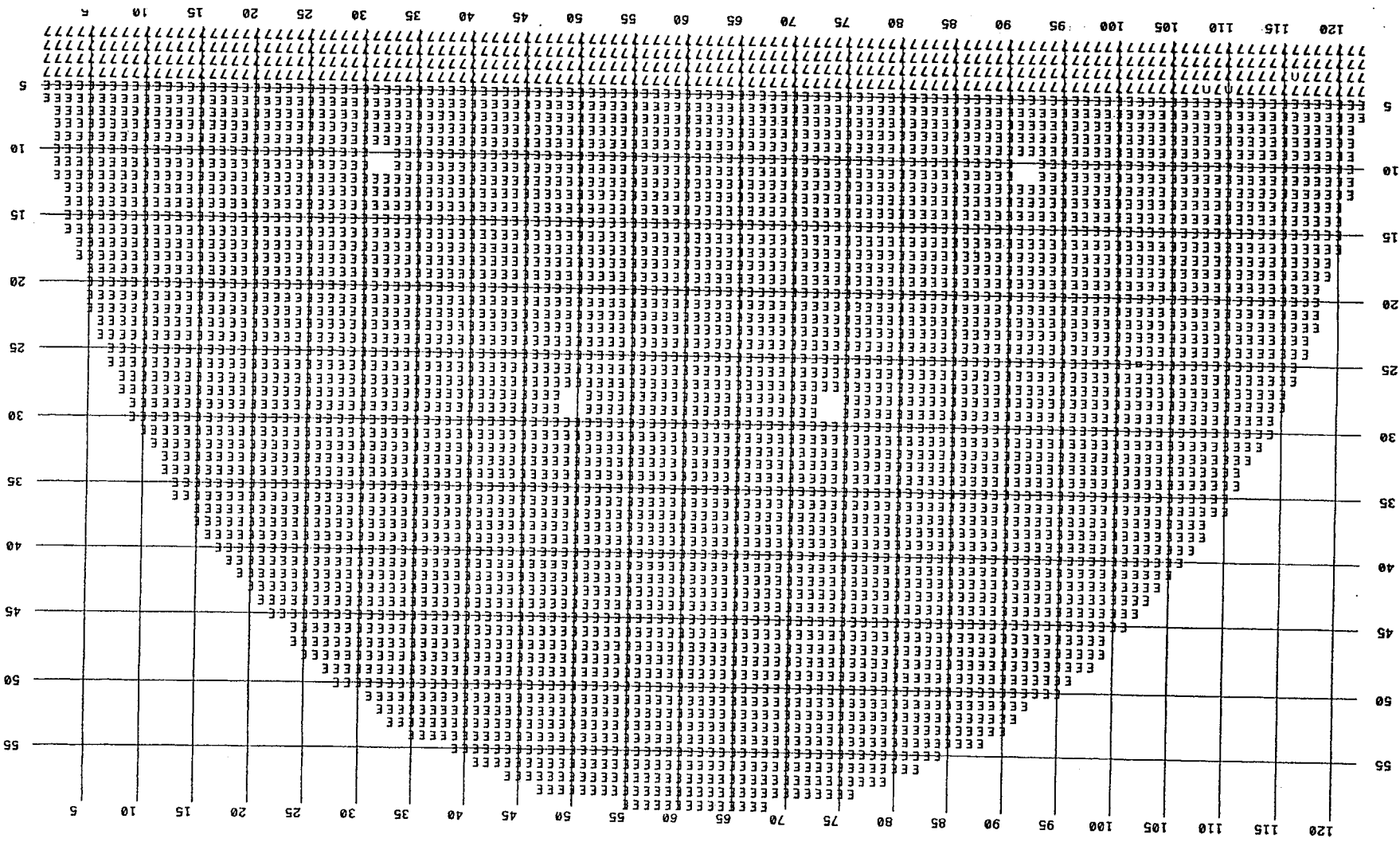
□ 1 PLUGGED TUBE



SG - 3 BOBBIN COMPLETED EXTENTS

Vogtle U2R8 GBF F

- 7 485 TESTED 7C THROUGH TEC
- 0 3 TESTED 7H THROUGH TEC
- E 5137 TESTED FULL LENGTH (TEH-TEC
- 1 PLUGGED TUBE



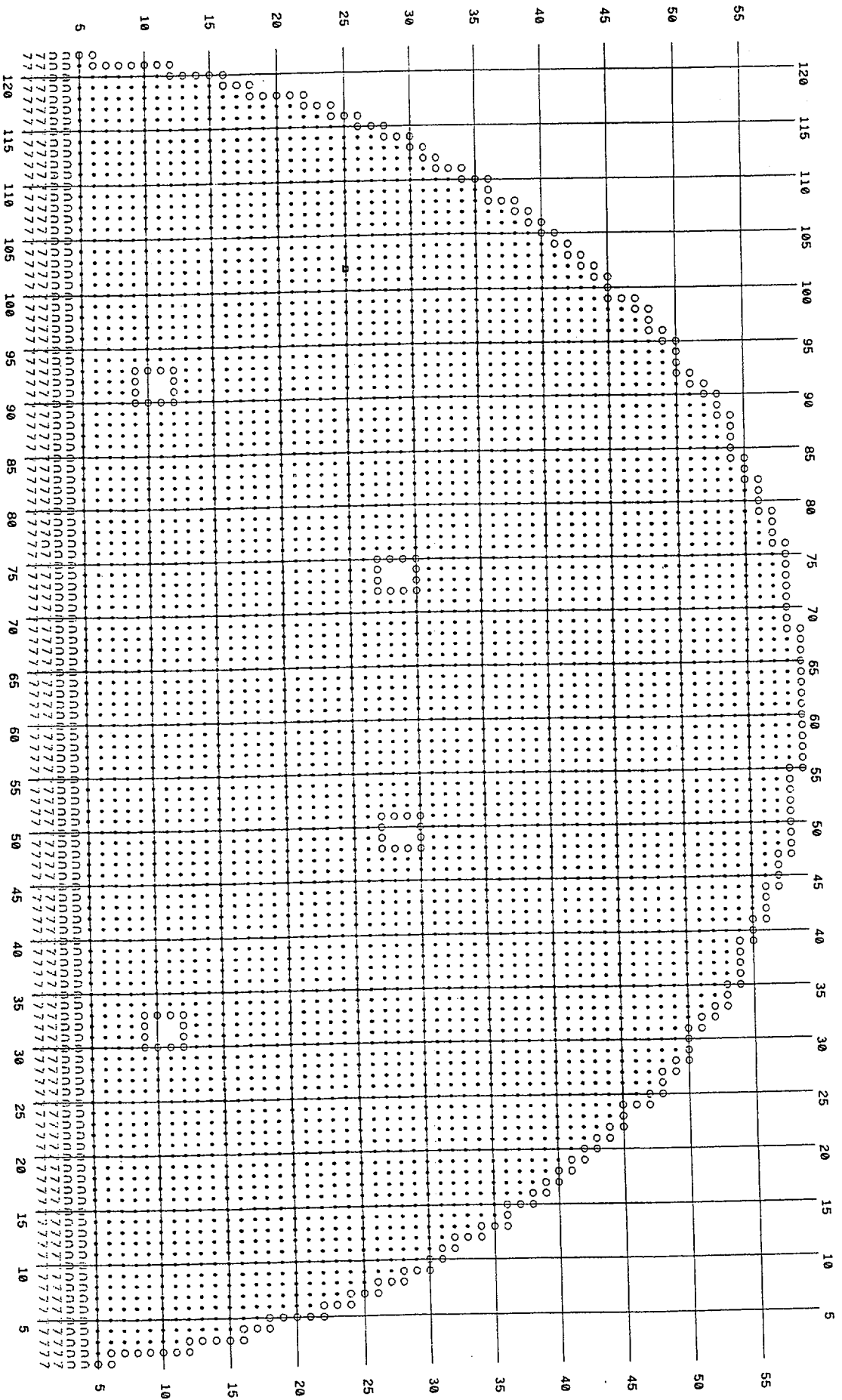
SG - 3 HOT LEG BOBBIN COMPLETED EXTENTS

Vogtle U2R8 GBEF

7 243 TESTED 7H THROUGH TEH

N 245 TESTED 7C THROUGH TEH

□ 1 PLUGGED TUBE

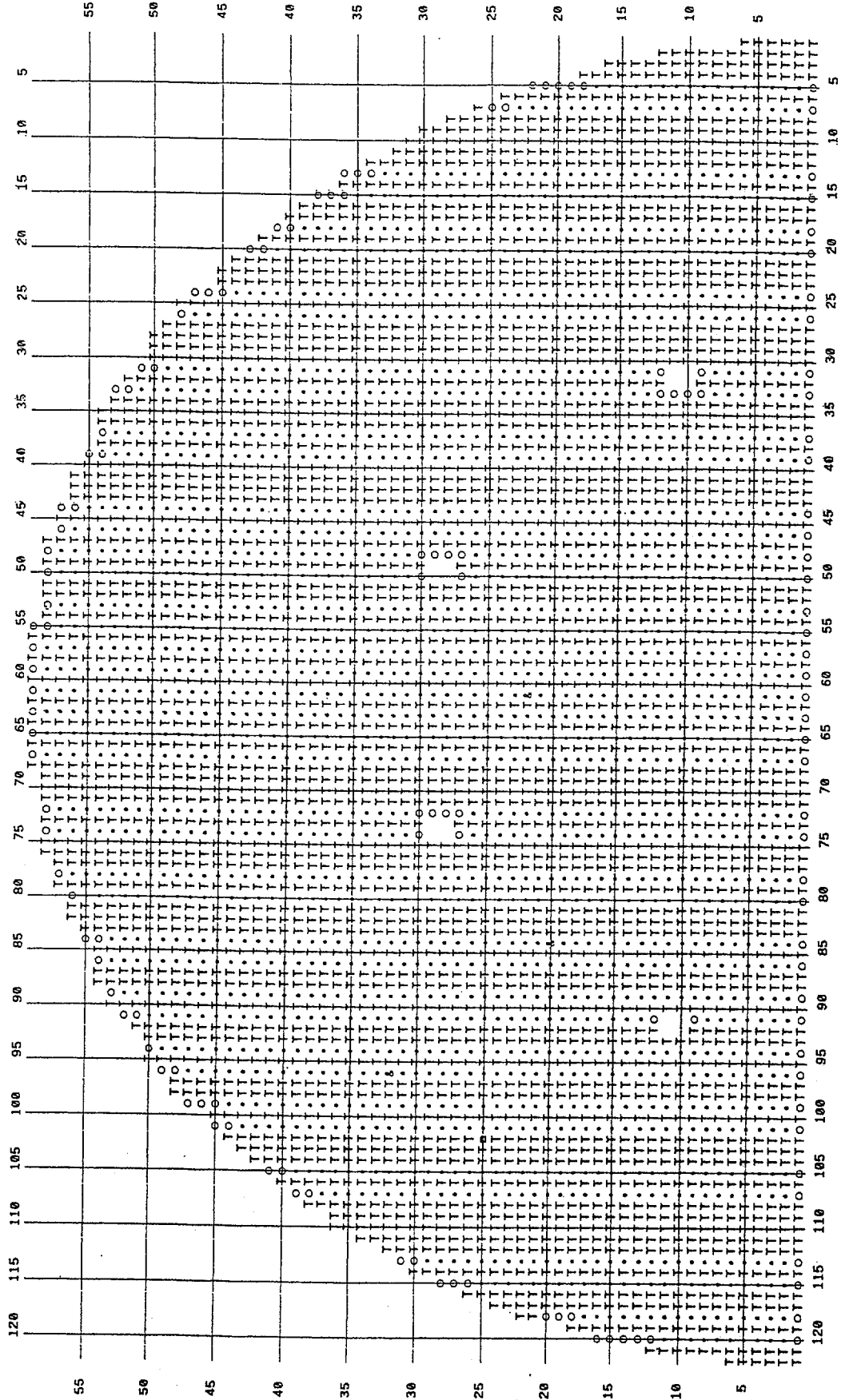


SG - 3 HOT LEG TOP OF TUBESHEET COMPLETED EXTENTS

Base Scope
Vogtle U2R8 GBE F

T 3610 TESTED TOP OF TUBESHEET +/- 3'
& 3 UNSCHEDULED TURE - TESTED TSH
+/- 3"

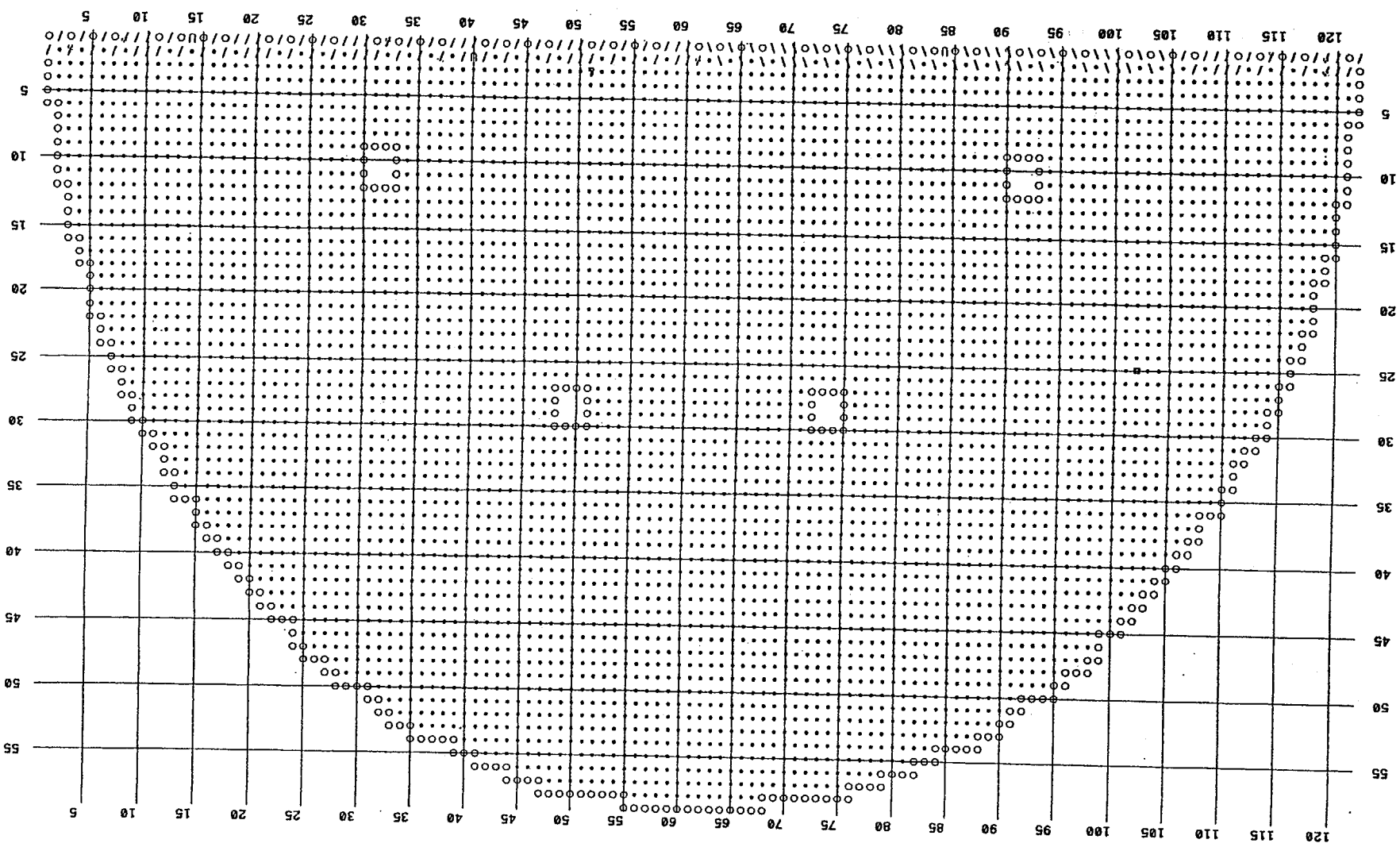
□ 1 PLUGGED TUBE



SG - 3 U-BEND +PT COMPLETED EXTENTS

Vogtle U2R8 GBFF

/ 92 TESTED 7C THROUGH 7H WITH .520 HF UB +PT PROBE
 & 1 UNSCHEDULED TUBE - TESTED THROUGH 7H WITH .520 HF UB +PT PROBE
 \ 51 TESTED 7H THROUGH 7C WITH .520 HF UB +PT PROBE
 U 3 TESTED 7C THROUGH 7H WITH .500 NON-HF UB +PT PROBE
 □ 1 PLUGGED TUBE



<u>ASME Sect. XI Item No./Cat.</u>	<u>Augmented Examination Requirement</u>	<u>Component or Weld No./ Description</u>	<u>Exam Procedure</u>	<u>Calibration Block(s)</u>	<u>Exam Sheet No(s).</u>	<u>Results</u>	<u>Remarks</u>
See Note A	See Note B	See Note C	See Note D	See Note E	See Note F	See Note G	See Note H

NOTES:

- A. The ASME Section XI Item No. and Category of the examination area are listed in this column.
- B. The implementing document, e.g., VEGP Technical Specifications, NRC Bulletin, etc., requiring performance of augmented examinations is referenced here.
- C. Each examination area is listed in this column. The component or weld number typically is similar to the drawing number, e.g., weld number 21201-005-8 is found on drawing number ISI-21201-005.
- D. This column lists the applicable NDE procedures used for the examination.
- E. This column lists the calibration block(s) that was/were used.
- F. This column references the examination data sheet(s) which records exam data, examiners, and any pertinent remarks.
- G. The results of the examinations are indicated in this column. The absence of indications is indicated in the column as "NI" or "SAT". The presence of nonrelevant indications or indications which are less than the recording level is indicated in the column as "NRI". The presence of indications deemed recordable (per NDE procedure) are indicated in the column as "RI" or "UNSAT" and are explained in the remarks column of the summary table.
- H. The remarks column is used to describe any pertinent features of the examination such as limitations, INFs, etc. Refer to INF section in this report for their disposition.

FIGURE 1. EXPLANATION OF SUMMARY TABLE FORMAT

**VEGP-2 EIGHTH MAINTENANCE / REFUELING OUTAGE
CLASS 1 EQUIPMENT EXAMINATIONS**

ASME SECTION XI ITEM NO./CAT.	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	VT-1 PER RR-6	21201-B6-002-IR-01 INLET NOZZLE INNER RADIUS	VT-V-715		S01V2V045	SAT	N/A
B3.140 B-D	VT-1 PER RR-6	21201-B6-002-IR-02 OUTLET NOZZLE INNER RADIUS	VT-V-715		S01V2V046	SAT	N/A
B16.20 B-Q	TS 5.5.9	21201-B6-002-T01 TUBING - ENTIRE LENGTH OF SELECTED TUBES					SEE AUGMENTED SUMMARY SECTION FOR DETAILS AND RESULTS.
B16.20 B-Q	TS 5.5.9	21201-B6-003-T01 TUBING - ENTIRE LENGTH OF SELECTED TUBES					SEE AUGMENTED SUMMARY SECTION FOR DETAILS AND RESULTS.
B6.30 B-G-1		21201-V6-001-B01 CLOSURE HEAD STUDS	MT-V-505 UT-V-482	419A	S01V2M001 S01V2U326	NRI NRI	N/A
B6.30 B-G-1		21201-V6-001-B02 CLOSURE HEAD STUDS	MT-V-505 UT-V-482	419A	S01V2M002 S01V2U327	NRI NRI	N/A
B6.30 B-G-1		21201-V6-001-B03 CLOSURE HEAD STUDS	MT-V-505 UT-V-482	419A	S01V2M003 S01V2U328	NRI NRI	N/A
B6.30 B-G-1		21201-V6-001-B04 CLOSURE HEAD STUDS	MT-V-505 UT-V-482	419A	S01V2M004 S01V2U329	NRI NRI	N/A
B6.30 B-G-1		21201-V6-001-B05 CLOSURE HEAD STUDS	MT-V-505 UT-V-482	419A	S01V2M009 S01V2U330	NRI NRI	N/A
B6.30 B-G-1		21201-V6-001-B06 CLOSURE HEAD STUDS	MT-V-505 UT-V-482	419A	S01V2M010 S01V2U331	RI NRI	MT RI / CODE ACCEPTABLE.

**VEGP-2 EIGHTH MAINTENANCE / REFUELING OUTAGE
CLASS 1 EQUIPMENT EXAMINATIONS**

ASME SECTION XI ITEM NO./CAT.	AUGMENTED EXAMINATION REQUIREMENT(S)	COMPONENT OR WELD NO. / DESCRIPTION	EXAMINATION PROCEDURE(S)	CALIBRATION BLOCK(S)	EXAM SHEET NO(S).	RESULTS	REMARKS
B6.30 B-G-1		21201-V6-001-B07 CLOSURE HEAD STUDS	MT-V-505 UT-V-482	419A	S01V2M011 S01V2U332	NRI NRI	N/A
B6.30 B-G-1		21201-V6-001-B08 CLOSURE HEAD STUDS	MT-V-505 UT-V-482	419A	S01V2M005 S01V2U333	NRI NRI	N/A
B6.30 B-G-1		21201-V6-001-B09 CLOSURE HEAD STUDS	MT-V-505 UT-V-482	419A	S01V2M006 S01V2U334	NRI NRI	N/A
B6.30 B-G-1		21201-V6-001-B10 CLOSURE HEAD STUDS	MT-V-505 UT-V-482	419A	S01V2M007 S01V2U335	NRI NRI	N/A
B6.30 B-G-1		21201-V6-001-B11 CLOSURE HEAD STUDS	MT-V-505 UT-V-482	419A	S01V2M008 S01V2U336	NRI NRI	N/A
B6.30 B-G-1		21201-V6-001-B12 CLOSURE HEAD STUDS	MT-V-505 UT-V-482	419A	S01V2M012 S01V2U350	NRI NRI	N/A
B6.30 B-G-1		21201-V6-001-B13 CLOSURE HEAD STUDS	MT-V-505 UT-V-482	419A	S01V2M013 S01V2U351	NRI NRI	N/A
B6.30 B-G-1		21201-V6-001-B14 CLOSURE HEAD STUDS	MT-V-505 UT-V-482	419A	S01V2M014 S01V2U352	NRI NRI	N/A
B6.30 B-G-1		21201-V6-001-B15 CLOSURE HEAD STUDS	MT-V-505 UT-V-482	419A	S01V2M015 S01V2U353	NRI NRI	N/A
B6.30 B-G-1		21201-V6-001-B16 CLOSURE HEAD STUDS	MT-V-505 UT-V-482	419A	S01V2M016 S01V2U354	NRI NRI	N/A

**VEGP-2 EIGHTH MAINTENANCE / REFUELING OUTAGE
CLASS 1 EQUIPMENT EXAMINATIONS**

ASME SECTION XI ITEM NO./CAT.	AUGMENTED EXAMINATION REQUIREMENT(S)	COMPONENT OR WELD NO. / DESCRIPTION	EXAMINATION PROCEDURE(S)	CALIBRATION BLOCK(S)	EXAM SHEET NO(S).	RESULTS	REMARKS
B6.30 B-G-1		21201-V6-001-B17 CLOSURE HEAD STUDS	MT-V-505 UT-V-482	419A	S01V2M017 S01V2U355	NRI NRI	N/A
B6.30 B-G-1		21201-V6-001-B18 CLOSURE HEAD STUDS	MT-V-505 UT-V-482	419A	S01V2M018 S01V2U356	NRI NRI	N/A
B13.10 B-N-1	FSAR 5.3.3.7	21201-V6-001-I02 VESSEL CLOSURE HEAD INTERIOR	VT-V-735		S01V2V006	SAT	N/A
B6.10 B-G-1	VT-1 PER RR-5	21201-V6-001-N01 CLOSURE HEAD NUTS	VT-V-715		S01V2V009	SAT	N/A
B6.10 B-G-1	VT-1 PER RR-5	21201-V6-001-N02 CLOSURE HEAD NUTS	VT-V-715		S01V2V010	SAT	N/A
B6.10 B-G-1	VT-1 PER RR-5	21201-V6-001-N03 CLOSURE HEAD NUTS	VT-V-715		S01V2V011	SAT	N/A
B6.10 B-G-1	VT-1 PER RR-5	21201-V6-001-N04 CLOSURE HEAD NUTS	VT-V-715		S01V2V012	SAT	N/A
B6.10 B-G-1	VT-1 PER RR-5	21201-V6-001-N05 CLOSURE HEAD NUTS	VT-V-715		S01V2V013	SAT	N/A
B6.10 B-G-1	VT-1 PER RR-5	21201-V6-001-N06 CLOSURE HEAD NUTS	VT-V-715		S01V2V014	SAT	N/A
B6.10 B-G-1	VT-1 PER RR-5	21201-V6-001-N07 CLOSURE HEAD NUTS	VT-V-715		S01V2V015	SAT	N/A
B6.10 B-G-1	VT-1 PER RR-5	21201-V6-001-N08 CLOSURE HEAD NUTS	VT-V-715		S01V2V023	SAT	N/A

**VEGP-2 EIGHTH MAINTENANCE / REFUELING OUTAGE
CLASS 1 EQUIPMENT EXAMINATIONS**

ASME SECTION XI ITEM NO./CAT.	AUGMENTED EXAMINATION REQUIREMENT(S)	COMPONENT OR WELD NO. / DESCRIPTION	EXAMINATION PROCEDURE(S)	CALIBRATION BLOCK(S)	EXAM SHEET NO(S).	RESULTS	REMARKS
B6.10 B-G-1	VT-1 PER RR-5	21201-V6-001-N09 CLOSURE HEAD NUTS	VT-V-715		S01V2V024	SAT	N/A
B6.10 B-G-1	VT-1 PER RR-5	21201-V6-001-N10 CLOSURE HEAD NUTS	VT-V-715		S01V2V025	SAT	N/A
B6.10 B-G-1	VT-1 PER RR-5	21201-V6-001-N11 CLOSURE HEAD NUTS	VT-V-715		S01V2V026	SAT	N/A
B6.10 B-G-1	VT-1 PER RR-5	21201-V6-001-N12 CLOSURE HEAD NUTS	VT-V-715		S01V2V031	SAT	N/A
B6.10 B-G-1	VT-1 PER RR-5	21201-V6-001-N13 CLOSURE HEAD NUTS	VT-V-715		S01V2V032	SAT	N/A
B6.10 B-G-1	VT-1 PER RR-5	21201-V6-001-N14 CLOSURE HEAD NUTS	VT-V-715		S01V2V033	SAT	N/A
B6.10 B-G-1	VT-1 PER RR-5	21201-V6-001-N15 CLOSURE HEAD NUTS	VT-V-715		S01V2V034	SAT	N/A
B6.10 B-G-1	VT-1 PER RR-5	21201-V6-001-N16 CLOSURE HEAD NUTS	VT-V-715		S01V2V035	SAT	N/A
B6.10 B-G-1	VT-1 PER RR-5	21201-V6-001-N17 CLOSURE HEAD NUTS	VT-V-715		S01V2V036	SAT	N/A
B6.10 B-G-1	VT-1 PER RR-5	21201-V6-001-N18 CLOSURE HEAD NUTS	VT-V-715		S01V2V037	SAT	N/A
B6.50 B-G-1		21201-V6-001-S01 CLOSURE WASHERS	VT-V-715		S01V2V016	SAT	N/A
B6.50 B-G-1		21201-V6-001-S02 CLOSURE WASHERS	VT-V-715		S01V2V017	SAT	N/A

**VEGP-2 EIGHTH MAINTENANCE / REFUELING OUTAGE
CLASS 1 EQUIPMENT EXAMINATIONS**

ASME SECTION XI ITEM NO./CAT.	AUGMENTED EXAMINATION REQUIREMENT(S)	COMPONENT OR WELD NO. / DESCRIPTION	EXAMINATION PROCEDURE(S)	CALIBRATION BLOCK(S)	EXAM SHEET NO(S).	RESULTS	REMARKS
B6.50 B-G-1		21201-V6-001-S03 CLOSURE WASHERS	VT-V-715		S01V2V018	SAT	N/A
B6.50 B-G-1		21201-V6-001-S04 CLOSURE WASHERS	VT-V-715		S01V2V019	SAT	N/A
B6.50 B-G-1		21201-V6-001-S05 CLOSURE WASHERS	VT-V-715		S01V2V020	SAT	N/A
B6.50 B-G-1		21201-V6-001-S06 CLOSURE WASHERS	VT-V-715		S01V2V021	SAT	N/A
B6.50 B-G-1		21201-V6-001-S07 CLOSURE WASHERS	VT-V-715		S01V2V022	SAT	N/A
B6.50 B-G-1		21201-V6-001-S08 CLOSURE WASHERS	VT-V-715		S01V2V027	SAT	N/A
B6.50 B-G-1		21201-V6-001-S09 CLOSURE WASHERS	VT-V-715		S01V2V028	SAT	N/A
B6.50 B-G-1		21201-V6-001-S10 CLOSURE WASHERS	VT-V-715		S01V2V029	SAT	N/A
B6.50 B-G-1		21201-V6-001-S11 CLOSURE WASHERS	VT-V-715		S01V2V030	SAT	N/A
B6.50 B-G-1		21201-V6-001-S12 CLOSURE WASHERS	VT-V-715		S01V2V038	SAT	N/A
B6.50 B-G-1		21201-V6-001-S13 CLOSURE WASHERS	VT-V-715		S01V2V039	SAT	N/A
B6.50 B-G-1		21201-V6-001-S14 CLOSURE WASHERS	VT-V-715		S01V2V040	SAT	N/A

**VEGP-2 EIGHTH MAINTENANCE / REFUELING OUTAGE
CLASS 1 EQUIPMENT EXAMINATIONS**

ASME SECTION XI ITEM NO./CAT.	AUGMENTED EXAMINATION REQUIREMENT(S)	COMPONENT OR WELD NO. / DESCRIPTION	EXAMINATION PROCEDURE(S)	CALIBRATION BLOCK(S)	EXAM SHEET NO(S).	RESULTS	REMARKS
B6.50 B-G-1		21201-V6-001-S15 CLOSURE WASHERS	VT-V-715		S01V2V041	SAT	N/A
B6.50 B-G-1		21201-V6-001-S16 CLOSURE WASHERS	VT-V-715		S01V2V042	SAT	N/A
B6.50 B-G-1		21201-V6-001-S17 CLOSURE WASHERS	VT-V-715		S01V2V043	SAT	N/A
B6.50 B-G-1		21201-V6-001-S18 CLOSURE WASHERS	VT-V-715		S01V2V044	SAT	N/A
- -	NRC BULL. 88-09	21201-V6-001-T01 - T58 INCORE FLUX THIMBLE TUBES	VENDOR				SEE AUGMENTED SUMMARY SECTION FOR DETAILS AND RESULTS.
- -	W TECH BULL NS	21201-V6-001-T01-OD - T58-OD THIMBLE TUBE GUIDE TUBES	VENDOR				SEE AUGMENTED SUMMARY SECTION FOR DETAILS AND RESULTS.
B3.120 B-D		21201-V6-002-IR-01 6" SAFETY NOZZLE INNER RADIUS	UT-V-416	411A	S01V2U423	NRI	N/A
B3.120 B-D		21201-V6-002-IR-04 6" RELIEF NOZZLE INNER RADIUS	UT-V-416	411A	S01V2U424	NRI	N/A
B2.11 B-B		21201-V6-002-W01 UPPER HEAD TO UPPER SHELL WELD	UT-V-411	403A, 411A	S01V2U435 S01V2U437 S01V2U438 S01V2U439 S01V2U440 S01V2U441 S01V2U442 S01V2U443	NRI NRI NRI NRI NRI NRI NRI NRI	UT SCANS LIMITED / RR-7.

**VEGP-2 EIGHTH MAINTENANCE / REFUELING OUTAGE
CLASS 1 EQUIPMENT EXAMINATIONS**

ASME SECTION XI ITEM NO./CAT.	AUGMENTED EXAMINATION REQUIREMENT(S)	COMPONENT OR WELD NO. / DESCRIPTION	EXAMINATION PROCEDURE(S)	CALIBRATION BLOCK(S)	EXAM SHEET NO(S).	RESULTS	REMARKS
B2.12 B-B		21201-V6-002-W06 UPPER SHELL LONGITUDINAL WELD	UT-V-411	403A	S01V2U431 S01V2U432 S01V2U433 S01V2U434	NRI NRI NRI NRI	UT SCANS LIMITED / CODE CASE N-460 (>90%).
B3.110 B-D	MT PER RR-7	21201-V6-002-W10 UPPER HEAD TO 6" SAFETY NOZZLE WELD	MT-V-505 UT-V-411	411A	S01V2M019 S01V2U367 S01V2U368 S01V2U369 S01V2U370	NRI NRI NRI NRI NRI	UT SCANS LIMITED / RR-7.
B3.110 B-D	MT PER RR-7	21201-V6-002-W11 UPPER HEAD TO 6" SAFETY NOZZLE WELD	MT-V-505 UT-V-411	411A	S01V2M020 S01V2U363 S01V2U364 S01V2U365 S01V2U366	NRI NRI NRI NRI NRI	UT SCANS LIMITED / RR-7.
B3.110 B-D	MT PER RR-7	21201-V6-002-W16 14" SURGE NOZZLE WELD TO LOWER HEAD	MT-V-505 UT-V-411	411A	S01V2M021 S01V2U372 S01V2U373 S01V2U374 S01V2U375	NRI NRI NRI NRI NRI	UT SCANS LIMITED / RR-7.
B5.40 B-F		21201-V6-002-W17 6" SAFETY NOZZLE TO SAFE END WELD	PT-V-605 UT-V-404	324A, 355A	S01V2P025 S01V2U390 S01V2U391 S01V2U392 S01V2U393 S01V2U394 S01V2U395 S01V2U396 S01V2U397	NRI NRI NRI NRI NRI NRI NRI NRI NRI	UT SCANS LIMITED / RELIEF REQUEST REQUIRED.

**VEGP-2 EIGHTH MAINTENANCE / REFUELING OUTAGE
CLASS 1 EQUIPMENT EXAMINATIONS**

ASME SECTION XI ITEM NO./CAT.	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		21201-V6-002-W18 6" SAFETY NOZZLE TO SAFE END WELD	PT-V-605 UT-V-404	324A, 355A	S01V2P026	NRI	UT SCANS LIMITED / RELIEF REQUEST REQUIRED.
					S01V2U398	NRI	
					S01V2U401	NRI	
					S01V2U404	NRI	
					S01V2U407	NRI	
					S01V2U410	NRI	
					S01V2U413	NRI	
					S01V2U416	NRI	
					S01V2U419	NRI	
B5.40 B-F		21201-V6-002-W19 6" SAFETY NOZZLE TO SAFE END	PT-V-605 UT-V-404	324A, 355A	S01V2P027	RI	PT RI / CODE ACCEPTABLE. UT SCANS LIMITED / RELIEF REQUEST REQUIRED.
					S01V2U399	NRI	
					S01V2U402	NRI	
					S01V2U405	NRI	
					S01V2U408	NRI	
					S01V2U411	NRI	
					S01V2U414	NRI	
					S01V2U417	NRI	
					S01V2U420	NRI	
B5.40 B-F		21201-V6-002-W20 6" RELIEF NOZZLE TO SAFE END WELD	PT-V-605 UT-V-404	324A, 355A	S01V2P028	NRI	UT SCANS LIMITED / RELIEF REQUEST REQUIRED.
					S01V2U400	NRI	
					S01V2U403	NRI	
					S01V2U406	NRI	
					S01V2U409	NRI	
					S01V2U412	NRI	
					S01V2U415	NRI	
					S01V2U418	NRI	
					S01V2U421	NRI	

**VEGP-2 EIGHTH MAINTENANCE / REFUELING OUTAGE
CLASS 1 EQUIPMENT EXAMINATIONS**

ASME SECTION XI ITEM NO./CAT.	AUGMENTED EXAMINATION REQUIREMENT(S)	COMPONENT OR WELD NO. / DESCRIPTION	EXAMINATION PROCEDURE(S)	CALIBRATION BLOCK(S)	EXAM SHEET NO(S).	RESULTS	REMARKS
B5.40		21201-V6-002-W22	PT-V-605	315A, 357A	S01V2P020	NRI	N/A
B-F		14" SAFE END WELD TO SURGE NOZZLE	UT-V-404		S01V2U357	NRI	
					S01V2U358	NRI	
					S01V2U359	NRI	
					S01V2U360	NRI	
					S01V2U361	NRI	
					S01V2U362	NRI	

**VEGP-2 EIGHTH MAINTENANCE / REFUELING OUTAGE
CLASS 1 PIPING EXAMINATIONS**

ASME SECTION XI ITEM NO./CAT.	AUGMENTED EXAMINATION REQUIREMENT(S)	COMPONENT OR WELD NO. / DESCRIPTION	EXAMINATION PROCEDURE(S)	CALIBRATION BLOCK(S)	EXAM SHEET NO(S).	RESULTS	REMARKS
B9.11 B-J		21201-053-6 14" PIPE TO SAFE END	PT-V-605 UT-V-481	315A	S01V2P021 S01V2U376	NRI NRI	N/A
B9.11 B-J		21201-056-1 6" SAFE END TO ELBOW	PT-V-605 UT-V-481	304A, 324A	S01V2P018 S01V2U380 S01V2U381	NRI NRI RI	UT RI / GEOMETRY.
B9.11 B-J		21201-057-1 6" SAFE END TO ELBOW	PT-V-605 UT-V-481	304A, 324A	S01V2P019 S01V2U386 S01V2U387	NRI NRI NRI	N/A
B9.11 B-J		21201-058-1 6" SAFE END TO ELBOW	PT-V-605 UT-V-481	304A, 324A	S01V2P016 S01V2U384 S01V2U385	NRI NRI RI	UT RI / GEOMETRY.
B9.11 B-J		21201-058-7 6" ELBOW TO FLANGE	PT-V-605 UT-V-481	304A	S01V2P017 S01V2U388 S01V2U389	NRI NRI NRI	UT SCANS LIMITED / RELIEF REQUEST REQUIRED.
B7.50 B-G-2		21201-058-7 FB 6" FLANGE BOLT ASSEMBLY FOR 21201-PSV-8010A	VT-V-715		S01V2V004	SAT	EXAMINED IN PLACE UNDER TENSION.
B7.70 B-G-2		21201PSV8010A VALVE BOLTING (ISI-21201-058)	VT-V-715		S01V2V003	SAT	EXAMINED IN PLACE UNDER TENSION.
B9.11 B-J		21201-059-1 6" SAFE END TO ELBOW	PT-V-605 UT-V-481	304A, 324A	S01V2P012 S01V2U382 S01V2U383	NRI NRI RI	UT RI / GEOMETRY.
B9.11 B-J		21201-059-11 6" PIPE TO TEE	PT-V-605 UT-V-481	304A, 348A	S01V2P022 S01V2U427 S01V2U428	NRI NRI NRI	N/A

**VEGP-2 EIGHTH MAINTENANCE / REFUELING OUTAGE
CLASS 1 PIPING EXAMINATIONS**

ASME SECTION XI ITEM NO./CAT.	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		21201-059-14 3" REDUCER TO ELBOW	PT-V-605		S01V2P029	NRI	N/A
B9.21 B-J		21201-059-15 3" ELBOW TO ELBOW	PT-V-605		S01V2P030	NRI	N/A
B9.21 B-J		21201-059-17 3" PIPE TO VALVE	PT-V-605		S01V2P013	NRI	N/A
B9.21 B-J		21201-059-18 3" VALVE TO PIPE	PT-V-605		S01V2P014	NRI	N/A
B9.21 B-J		21201-059-21 3" PIPE TO VALVE	PT-V-605		S01V2P015	NRI	N/A
B9.11 B-J		21201-060-1 6" TEE TO PIPE	PT-V-605 UT-V-481	304A	S01V2P023 S01V2U425	NRI NRI	UT SCANS LIMITED / CODE CASE N-460 (>90%).
B9.11 B-J		21201-060-2 6" PIPE TO REDUCER	PT-V-605 UT-V-481	304A	S01V2P024 S01V2U426	NRI NRI	N/A
B9.21 B-J		21201-060-3 3" REDUCER TO ELBOW	PT-V-605		S01V2P031	NRI	N/A
B9.21 B-J		21201-060-4 3" ELBOW TO ELBOW	PT-V-605		S01V2P032	NRI	N/A
B9.21 B-J		21201-060-5 3" ELBOW TO PIPE	PT-V-605		S01V2P033	NRI	N/A
B9.21 B-J		21201-060-6 3" PIPE TO VALVE	PT-V-605		S01V2P034	NRI	N/A

**VEGP-2 EIGHTH MAINTENANCE / REFUELING OUTAGE
CLASS 1 PIPING EXAMINATIONS**

ASME SECTION XI ITEM NO./CAT.	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		21201-060-7 3" VALVE TO PIPE	PT-V-605		S01V2P035	NRI	N/A
B9.21 B-J		21201-060-10 3" PIPE TO VALVE	PT-V-605		S01V2P036	NRI	N/A
B7.70 B-G-2		21204U6079 VALVE BOLTING (ISI-21204-124)	VT-V-715		S01V2V005	SAT	EXAMINED IN PLACE UNDER TENSION.

**VEGP-2 EIGHTH MAINTENANCE / REFUELING OUTAGE
CLASS 2 EQUIPMENT EXAMINATIONS**

ASME SECTION XI ITEM NO./CAT.	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		21201-B6-001-W18 32" STEAM OUTLET NOZZLE TO UPPER HEAD WELD	MT-V-505 UT-V-411	409A	S01V2M023	NRI	SURFACE ONLY. VOLUMETRIC PERFORMED 2R7.

**VEGP-2 EIGHTH MAINTENANCE / REFUELING OUTAGE
CLASS 2 PIPING EXAMINATIONS**

ASME SECTION XI ITEM NO./CAT.	AUGMENTED EXAMINATION REQUIREMENT(S)	COMPONENT OR WELD NO. / DESCRIPTION	EXAMINATION PROCEDURE(S)	CALIBRATION BLOCK(S)	EXAM SHEET NO(S).	RESULTS	REMARKS
C5.11 C-F-1	AI 87-0131	21204-008-3 8" PIPE TO ELBOW	PT-V-605 UT-V-481	414A	S01V2P001 S01V2U302 S01V2U303	NRI NRI T & C	N/A
C5.11 C-F-1	AI 87-0131	21204-008-4 8" ELBOW TO PIPE	PT-V-605 UT-V-481	414A	S01V2P002 S01V2U304 S01V2U305	NRI NRI T & C	N/A
C5.11 C-F-1	AI 87-0131	21204-011-6 6" PIPE TO TEE	PT-V-605 UT-V-481	337A	S01V2P008 S01V2U307 S01V2U308	NRI NRI T & C	N/A
C5.11 C-F-1	AI 87-0131	21204-012-10 8" ELBOW TO PIPE	PT-V-605 UT-V-481	414A	S01V2P011 S01V2U306 S01V2U322	NRI NRI T & C	N/A
C5.11 C-F-1	AI 87-0131	21206-005-1 8" FLANGE TO PIPE	PT-V-605 UT-V-481	414A	S01V2P007 S01V2U314 S01V2U319 S01V2U320 S01V2U321	NRI NRI NRI NRI T & C	UT SCANS LIMITED / RELIEF REQUEST REQUIRED.
C5.11 C-F-1	AI 87-0131	21206-005-2 8" PIPE TO ELBOW	PT-V-605 UT-V-481	414A	S01V2P006 S01V2U317 S01V2U318	NRI NRI T & C	N/A
C5.11 C-F-1	AI 87-0131	21206-006-1 8" FLANGE TO PIPE	PT-V-605 UT-V-481	414A	S01V2P003 S01V2U315 S01V2U316 S01V2U323	NRI NRI T & C NRI	UT SCANS LIMITED / RELIEF REQUEST REQUIRED.

VEGP-2 EIGHTH MAINTENANCE / REFUELING OUTAGE
CLASS 2 PIPING EXAMINATIONS

ASME SECTION XI ITEM NO./CAT.	AUGMENTED EXAMINATION REQUIREMENT(S)	COMPONENT OR WELD NO. / DESCRIPTION	EXAMINATION PROCEDURE(S)	CALIBRATION BLOCK(S)	EXAM SHEET NO(S).	RESULTS	REMARKS
C5.11 C-F-1	AI 87-0131	21206-006-2 8" PIPE TO ELBOW	PT-V-605 UT-V-481	414A	S01V2P004 S01V2U312 S01V2U313	NRI NRI T & C	N/A
C5.11 C-F-1	AI 87-0131	21206-006-3 8" ELBOW TO PIPE	PT-V-605 UT-V-481	414A	S01V2P005 S01V2U309 S01V2U310	NRI NRI T & C	N/A
C3.20 C-C		21206-006-18 SUPPORT H008	PT-V-605		S01V2P010	NI	N/A
C3.20 C-C		21206-006-41 SUPPORT H015	PT-V-605		S01V2P009	NRI	N/A

<u>ASME Sect. XI Cat.</u>	<u>ISI Class</u>	<u>Support No. & Description.</u>	<u>Examination Procedures</u>	<u>Exam Sheet No.</u>	<u>Results</u>	<u>Remarks</u>
See Note A	See Note B	See Note C	See Note D	See Note E	See Note F	See Note G

NOTES:

- A. The ASME Section XI category designation for the equipment support is listed in this column.
- B. The ASME Section XI class no., e.g., 1, 2, or 3, for the system on which the equipment support being examined is listed in this column.
- C. The equipment support number and support description are listed in this column.
- D. This column lists the applicable NDE procedure(s) used during the examination. When a class 3 support lists VT-V-715 (VT-1) in addition to VT-V-735 (VT-3), the class 3 support also received a VT-1 on the integral attachment per IWD-2500-1 and Code Case N-509 (RR-20).
- E. This column references the examination data sheet(s) which serve to document the examination and lists the examiner, any pertinent remarks, etc.
- F. The results of the examinations are indicated in this column.
- G. The remarks column is used to describe any pertinent features of the examination such as limitations, reportable results, INFs, etc. Refer to INF section in this report for their disposition.

FIGURE 2. EXPLANATION OF EQUIPMENT SUPPORT SUMMARY TABLE FORMAT

EQUIPMENT SUPPORT EXAMINATIONS

No equipment support examinations were performed during the 2R8 maintenance/refueling outage.

<u>ASME Sect. XI Cat.</u>	<u>ISI Class</u>	<u>NPS (In.)</u>	<u>Support No. & Description</u>	<u>Examination Procedure(s)</u>	<u>Exam Sheet No.</u>	<u>Results</u>	<u>Remarks</u>
See Note A	See Note B	See Note C	See Note D	See Note E	See Note F	See Note G	See Note H

NOTES:

- A. The ASME Section XI category designation for the piping support is listed in this column.
- B. The ASME Section XI class no., e.g., 1, 2, 3, for the system on which the piping support being examined is listed in this column.
- C. This column indicates the nominal pipe size in inches for the piping on which the piping support is being examined.
- D. The piping support number and support description are listed in this column.
- E. This column lists the applicable NDE procedure(s) used during the examination. When a class 3 support lists VT-V-715 (VT-1) in addition to VT-V-735 (VT-3), the class 3 support also received a VT-1 on the integral attachment per IWD-2500-1 and Code Case N-509 (RR-20).
- F. This column references the data sheet(s) which serve to document the examination and list the examiner, any pertinent remarks, etc.
- G. The results of the examinations are indicated in this column.
- H. The remarks column is used to describe any pertinent features of the examination such as limitations, reportable results, INFs, etc. Refer to INF section in this report for their disposition.

FIGURE 3. EXPLANATION OF PIPING SUPPORT SUMMARY TABLE FORMAT

PIPING SUPPORT EXAMINATIONS

No piping support examinations were performed during the 2R8 maintenance/refueling outage.

<u>Tag Number</u>	<u>ISI Class</u>	<u>Snubber Mfgr/Size</u>	<u>Scope Examined</u>	<u>Results</u>
See Note A	See Note B	See Note C	See Note D	See Note E

NOTES:

- A. The unique tag number for the snubber being examined is listed in this column.
- B. The ASME Section XI class no., e.g., 1, 2, 3, for the system on which the snubber being examined is listed in this column.
- C. This column lists the name of the manufacturer of any snubbers functionally tested and the size of the snubber, e.g., PSA-1/4. Manufacturer designations are abbreviated and can be found in the List of Abbreviations.
- D. This column lists the scope of examination in which the snubber is functionally tested, i.e., original scope or expanded scope. Snubbers included in the expanded scope of examination are generally as a result of other snubber functional test failures.
- E. The results of the functional test of the snubber tested is listed in this column.

FIGURE 4. EXPLANATION OF SNUBBER FUNCTIONAL TEST RESULTS SUMMARY TABLE FORMAT

**VEGP-2 EIGHTH MAINTENANCE/REFUELING OUTAGE
SNUBBER FUNCTIONAL TESTS**

TYPE I SNUBBERS

TAG NUMBER	ISI CLASS	SNUBBER MFGR/SIZE	SCOPE EXAMINED	RESULTS
21201-239-H001	2	PSA-1/2	EXPANDED	PASS
21204-057-H019	2	PSA-1/2	PREV FAILURE	PASS
21208-047-H604	1	PSA-1/2	PREV FAILURE	PASS
21217-073-H623	3	PSA-1/4	ORIGINAL	PASS
21305-063-H004A	-	PSA-1/2	PREV FAILURE	PASS
21305-063-H004B	-	PSA-1/2	PREV FAILURE	PASS
22402-022-H004	-	PSA-1/4	ORIGINAL	PASS
22402-023-H003	-	PSA-1/4	ORIGINAL	PASS

TYPE II SNUBBERS

TAG NUMBER	ISI CLASS	SNUBBER MFGR/SIZE	SCOPE EXAMINED	RESULTS
21201-030-H608	1	PSA-3	ORIGINAL	PASS
21201-030-H611	1	PSA-3	ORIGINAL	PASS
21206-005-H008	2	PSA-3	ORIGINAL	PASS
21208-001-H026	1	PSA-3	ORIGINAL	PASS
21301-015-H007	2	PSA-3	ORIGINAL	PASS
21301-094-H002	-	PSA-10	EXPANDED	FAILED
21305-155-H003	2	PSA-3	ORIGINAL	PASS

TYPE III SNUBBERS

TAG NUMBER	ISI CLASS	SNUBBER MFGR/SIZE	SCOPE EXAMINED	RESULTS
21201-053-H005	1	PSA-35	ORIGINAL	PASS
21204-126-H020	1	PSA-35	ORIGINAL	PASS
21305-056-H022B	-	PSA-35	ORIGINAL	PASS

**VEGP-2 EIGHTH MAINTENANCE/REFUELING OUTAGE
 SNUBBER FUNCTIONAL TESTS
 (continued)**

TYPE IV SNUBBERS

TAG NUMBER	ISI CLASS	SNUBBER MFGR/SIZE	SCOPE EXAMINED	RESULTS
21201-014-H641	2	AD-41	ORIGINAL	PASS
21201-051-H006	1	AD-41	ORIGINAL	PASS
21201-106-H001	-	AD-71	ORIGINAL	PASS
21202-231-H030	2	AD-153	ORIGINAL	PASS
21204-192-H001	2	AD-503	ORIGINAL	PASS
21208-007-H002	1	AD-501	ORIGINAL	PASS
21208-008-H025	2	AD-73	ORIGINAL	PASS
21208-011-H045	2	AD-41	ORIGINAL	PASS
21208-055-H046	2	AD-153	ORIGINAL	PASS
21208-225-H004	2	AD-41	PREV. FAILURE	PASS
21217-071-H628A	3	AD-41	ORIGINAL	PASS
21301-118-H011	2	AD-151	ORIGINAL	PASS
21301-121-H004	2	AD-43	ORIGINAL	PASS
21301-127-H024	2	AD-503	ORIGINAL	PASS
21301-128-H006	2	AD-501	ORIGINAL	PASS
21301-129-H016	2	AD-151	ORIGINAL	PASS
21301-136-H003	2	AD-71	ORIGINAL	PASS
21301-137-H004	2	AD-151L	ORIGINAL	PASS
21301-139-H003	2	AD-71	ORIGINAL	PASS
21301-168-H001	-	AD-41	ORIGINAL	PASS
21301-168-H012	-	AD-73	EXPANDED	PASS
21301-213-H003	2	AD-73	ORIGINAL	PASS
21302-108-H005	2	AD-503	ORIGINAL	PASS
21302-109-H013	2	AD-503	ORIGINAL	PASS
21302-109-H015	2	AD-501	ORIGINAL	PASS
21302-110-H019	2	AD-501	ORIGINAL	PASS

**VEGP-2 EIGHTH MAINTENANCE/REFUELING OUTAGE
 SNUBBER FUNCTIONAL TESTS
 (continued)**

TYPE V SNUBBERS

TAG NUMBER	ISI CLASS	SNUBBER MFGR/SIZE	SCOPE EXAMINED	RESULTS
21201-064-H614A	-	AD-1603	ORIGINAL	PASS
21201-064-H614B	-	AD-1603	EXPANDED	PASS
21201-064-H625	-	AD-1601	EXPANDED	PASS
21202-004-H073	3	AD-1601	ORIGINAL	PASS
21204-023-H001	1	AD-5501	ORIGINAL	PASS
21204-023-H005	1	AD-1603	EXPANDED	PASS
21204-023-H009	1	AD-1601	ORIGINAL	PASS
21204-024-H038	1	AD-1601	EXPANDED	PASS
21204-025-H006	1	AD-1601	EXPANDED	PASS
21204-043-H013	1	AD-1601	EXPANDED	PASS
21204-125-H007	1	AD-5501	EXPANDED	PASS
21205-007-H019	2	AD-1603	ORIGINAL	PASS
21208-008-H018	2	AD-1603	EXPANDED	PASS
21301-014-H005	2	AD-1603	EXPANDED	PASS
21301-015-H004	2	AD-1603	ORIGINAL	FAILED
21301-104-H004	2	AD-5501	EXPANDED	PASS
21301-104-H005	2	AD-5501	EXPANDED	PASS
21301-104-H006	2	AD-5501	EXPANDED	PASS
21301-105-H002	2	AD-5503	ORIGINAL	PASS
21301-105-H003	2	AD-12501	CR#199901715	PASS
21301-105-H006	2	AD-5501	EXPANDED	PASS
21301-106-H002	2	AD-5503	EXPANDED	PASS
21301-106-H005	2	AD-5501	EXPANDED	FAILED
21301-106-H006	2	AD-5501	EXPANDED	PASS
21301-107-H004	2	AD-5501	ORIGINAL	PASS
21301-107-H005	2	AD-5501	EXPANDED	PASS

**VEGP-2 EIGHTH MAINTENANCE/REFUELING OUTAGE
SNUBBER FUNCTIONAL TESTS**

(continued)

TYPE V SNUBBERS (continued)

TAG NUMBER	ISI CLASS	SNUBBER MFGR/SIZE	SCOPE EXAMINED	RESULTS
21301-107-H006	2	AD-5501	EXPANDED	PASS
21302-109-H018	2	AD-1603	ORIGINAL	PASS
21302-109-H024	2	AD-1603	EXPANDED	PASS
21302-110-H013	2	AD-1601	ORIGINAL	PASS
21305-058-H003	2	AD-12501	EXPANDED	PASS
21305-058-H005	2	AD-12501	ORIGINAL	PASS
21305-060-H003	2	AD-12501	EXPANDED	PASS
21305-060-H005	2	AD-12501	EXPANDED	PASS
21305-062-H006	2	AD-12501	ORIGINAL	PASS
21305-064-H006	2	AD-12501	EXPANDED	PASS
22403-036-H601	-	AD-1601	EXPANDED	PASS

TYPE VI SNUBBERS

TAG NUMBER	ISI CLASS	SNUBBER MFGR/SIZE	SCOPE EXAMINED	RESULTS
21201-B6-002-S08	2	PM-25701	ORIGINAL	PASS

SYSTEM PRESSURE TESTS

The following pressure tests were included in the scope of the eighth maintenance/refueling outage (2R8) at VEGP-2. These pressure tests included system inservice tests and system leakage tests. No functional tests or hydrostatic tests were performed during 2R8. Boundaries for the pressure tests that were performed during 2R8 are described in the VEGP-2 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 Inservice Test Schedule (ITs)

IT Number	Exam. Cat.	Test Description
10	C-H	CVCS Inservice Test with Normal Charging Pump Operating (Outside Containment) (See Note 1)

System Leakage Test Schedule (LT)

LT Number	Exam. Cat.	Test Description
1	B-P	Class 1 System Leakage Test

NOTE 1: Most portions of this pressure test boundary were examined prior to the end of the seventh maintenance/refueling outage. The remaining portions were examined after the end of the seventh maintenance/refueling outage after the incorporation of a design change (DCP-V2N0056) which replaced the positive displacement charging pump with a centrifugal-type normal charging pump.

INDICATION NOTIFICATION FORMS

No Indication Notification Forms were required during the 2R8 maintenance/refueling outage.

**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-2 since the last maintenance/refueling outage (2R7) through the completion of the eighth maintenance/refueling outage (2R8) in May 2001. 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-2 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-2 reports for the following travelers are included herein:

96236	99138	99181	99224	99264	99282
96348	99139	99189**	99226	99265	99283
99050	99140	99190**	99227	99266	99285
99051	99141	99191	99228	99267	00015
99052	99142	99202	99229	99271	00087
99115	99143	99204	99232	99272	00090
99124	99144	99209	99233	99273	00139
99125	99145	99210	99257	99274	00141
99127	99146	99211	99258	99275	00157
99128	99148	99218	99259	99276	00193
99129	99149	99219	99260	99277	01003
99130**	99150**	99221	99261	99278	01011
99131	99170	99222**	99262	99279	
99133	99179**	99223	99263	99280	

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

99130 is certified with 99222,
99150 is certified with 99179, and
99189 is certified with 99190.

ORIGINAL

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

As Required By The Provisions Of The ASME Code Section XI

Traveler # 96-236

1. Owner Georgia Power Company Date 9/12/96
 Name 333 Piedmont Avenue, Atlanta GA. Sheet 1 of 1
2. Plant Vogtle Electric Generating Plant Unit 2
Waynesboro, GA 30830 MWO # 29601768
 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-249-1 Code Case
 (b) Applicable Edition of section XI Utilities For Repairs Or Replacements 1983

6. Identification Of Components Repairs Or Replacement Components

DATA
10/16/96

NAME OF COMPONENT	NAME OF MANUFACTURER	MANUFACTURER'S 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	V2-1208-066-H019	1988 Date 10/16/96	REPLACEMENT	YES

7. Description Of Work Snubber AC-43, S/N 402 was replaced with AD-43, S/N 258 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.

Type Code Symbol Stamp N/A

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

Signed K.R. Williams **APPROVED BY** Date 10/16 19 96
MAINTENANCE MANAGER
 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 8-7-96 to 11-28-00, 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 11-28-2000 99C 5-23-01

ORIGINAL

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

As Required By The Provisions Of The ASME Code Section XI

Traveler # 96348

- 1 Owner Georgia Power Company Name 333 Piedmont Avenue, Atlanta GA Date 10-8-96 Sheet 1 of 1
2 Plant Vogtle Electric Generating Plant Unit 2 Waynesboro, GA 30830 Address MWON 29602477 Repair Organization P.O. No., Job No., etc.
3 Work Performed By Nuclear Operations Maintenance Name Plant Vogtle Address
4 Identification Of System 1217 - Auxiliary Component Cooling Water
5 (a) Applicable Construction Code ASME SEC III 1977 Edition, Winter 1977 Addenda, N-249-1 Code Case (b) Applicable Edition Of Section XI Utilities For Repairs Or Replacements 1983
6 Identification Of Components Repairs 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 Products, N/A, N/A, 2-1217-150-H630, 1988, Replacement, Yes.

- 7. Description Of Work Snubber AD-71 Serial # 389 was replaced with AD 71 Serial # 617. to support surveillance testing. Transition tube was repaired.
8. Tests Conducted: N/A X Hydrostatic Other Pneumatic Nominal Operating Pressure Pressure PSI Test Temp F

CERTIFICATE OF COMPLIANCE
We certify that the statements made in the report are correct and this replacement and repair 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 KR... APPROVED BY MAINTENANCE MANAGER Date 10/16, 1996
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION
I, the undersigned, holding a valid commission issued by the national Board of boiler and Pressure vessel inspectors and the State or 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 10-7-96 to 11-28-00, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.
By signing this certificate, neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection.
Inspector's Signature Date 11-28-2000
Commissions GA 803 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 # 99050

1. Owner Southern Nuclear Operating Company Date 09/15/99
Name 40 Inveness Center Parkway, Birmingham, AL Sheet 1 Of 1
2. Plant Vogtle Electric Generating Plant Unit 2
Address Waynesboro, GA 30830 MWO # 29900308
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 1974 Edition, Summer 1975 Addenda, N/A Code Case
(b) Applicable Edition of section XI Utilities 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	ROCKWELL INTERNATIONAL	BX844	N/A	2-1208-U4-483	1985	REPLACEMENT	YES

Handwritten: 09-15-99

7. Description Of Work Performed locking tack weld on valve cap to body connection per WPCS 990050.

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 K.R. Johnson Maint Men Date 9/20 19 99
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 01/21/99 to 11-19-99, 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 Frank L. Bellai Jr. Commissions GA497
National Board, State, Province and Endorsements

Date 11-19 19 99

ORIGINAL

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

As Required By The Provisions Of The ASME Code Section XI

Traveler # 99051

1. Owner Southern Nuclear Operating Company Date 03/23/00
Name 40 Inverness Center Parkway, Birmingham, AL Sheet 1 Of 3
2. Plant Vogtle Electric Generating Plant Unit 2
Address Waynesboro, GA 30830 MWO # WO# 29900499, PO# 7038022 and PO# 7038895
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 1971 Edition, Winter 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)
SAFETY VALVE	CROSBY VALVE & GAGE CO.	N60446-02-0028	N/A	2PSV-8010B	1978	REPLACEMENT	YES

7. Description Of Work Valve was replaced. The replacement valve was purchased under PO 7038022 from Union Electric's, Plant Calloway as S/N N60446-00-0028. The setpoint pressure for this valve was changed by Crosby Valve & Gage Company under PO 7038895 in accordance with DCP 97-V2N0009. Crosby Valve & Gage Company assigned S/N N60446-02-0028 to this valve upon completion of the setpoint change. A copy of Form NV-1 for the original serial numbered replacement valve 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. Repair or replacement

Type Code Symbol Stamp N/A

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

Signed RR Holmes Maint Mgr Date 7/3 20 00
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 01/25/99 to 07-10-00, 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 7-10 20 00

ORIGINAL

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

As Required By The Provisions Of The ASME Code Section XI

Traveler # 99052

1. Owner Southern Nuclear Operating Company Date 03/30/00
40 Inverness Center Parkway, Birmingham, AL
 Name
 Sheet 1 Of 3

2. Plant Vogtle Electric Generating Plant Unit 2
Waynesboro, GA 30830
 Address MWO # WO# 29900499, PO# 7038220 and PO# 7038895
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 1971 Edition, Winter 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)
SAFETY VALVE	CROSBY VALVE & GAGE CO.	N60446-02-0006	N/A	2PSV-8010A	1978	REPLACEMENT	YES

7. Description Of Work Valve was replaced. The replacement valve was purchased under PO 7038220 from Union Electric's, Plant Calloway as S/N N60446-00-0006. The setpoint pressure for this valve was changed by Crosby Valve & Gage Company under PO 7038895 in accordance with DCP 97-V2N0009. Crosby Valve & Gage Company assigned S/N N60446-02-0006 to this valve upon completion of the setpoint change. The valve nozzle, disc insert and spindle assembly were also replaced during this modification. A copy of Form NV-1 for the original serial numbered replacement valve is attached.

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. Repair or replacement

Type Code Symbol Stamp N/A

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

Signed R. L. Holmes, Maintenance Date 7/11 20 00
 Owner or Owner's Designee, Title

Back 07/11/00

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 01/25/99 to 7-18-00, 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 7-18 20 00

ORIGINAL

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

As Required By The Provisions Of The ASME Code Section XI

Traveler # 99115

1. Owner Southern Nuclear Operating Company Date 08/12/99
Name 40 Inverness Center Parkway, Birmingham, AL Sheet 1 of 3
2. Plant Vogtle Electric Generating Plant Unit 2
Address Waynesboro, GA 30830 MWO # 29901418
Repair Organization P.O. No., Job No., etc.
3. Work Performed by Nuclear Operations Maintenance Plant Vogtle
Name Address
4. Identification Of System 1202 / Nuclear Service Cooling Water System
5. (a) Applicable Construction Code ASME SEC III 1974 Edition, Winter 1975 Addenda, N/A Code Case
(b) Applicable Edition of section XI Utilities 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 & GAGE CO.	N67951-00-0011	N/A	2PSV-11744	1999	REPLACEMENT	YES

7. Description Of Work Safety relief valve S/N N67951-00-0003 was replaced with S/N N67951-00-0011. A copy of Form NV-1 for the replacement valve 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 RR Lohes Mant Mgr Date 11/10 19 99
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 04/21/99 to 12-07-99 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.

Frank Bellais Commissions GA 497
Inspector's Signature National Board, State, Province and Endorsements

Date 12-07 19 99

ORIGINAL

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

As Required By The Provisions Of The ASME Code Section XI

Traveler # 99125

1. Owner Southern Nuclear Operating Company Date 02/28/00
Name
40 Inverness Center Parkway, Birmingham, AL Sheet 1 Of 1
2. Plant Vogtle Electric Generating Plant Unit 2
Address Waynesboro, GA 30830 MWO # 29901681 and 29901683
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 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)
1208 PIPING SYSTEM	SOUTHERN NUCLEAR OPERATING CO.	N/A	N/A	2K3-1208-003-01	1999	REPLACEMENT	NO

7. Description Of Work Installed piping modifications per DCP 97-V2N0056. This modification includes the installation of a flow orifice 2FO-10124, fabricated under Section XI Traveler# 99132 and WO# 29901681.

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 Frank E. Bellido Date 2/29 1999
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 06/14/99 to 03-22-00, 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 Frank E. Bellido Commissions GA 497
National Board, State, Province and Endorsements

Date 03-22 19 2000

ORIGINAL

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

As Required By The Provisions Of The ASME Code Section XI

Traveler # 99127

1. Owner Southern Nuclear Operating Company Date 03/07/00
Name
40 Inverness Center Parkway, Birmingham, AL Sheet 1 Of 3
2. Plant Vogtle Electric Generating Plant Unit 2
Waynesboro, GA 30830 MWO # 29901682
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 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)
1208 PIPING SYSTEM	SOUTHERN NUCLEAR OPERATING CO.	N/A	N/A	2K3-1208-123-01	1999	REPLACEMENT	NO

7. Description Of Work Installed piping modifications per DCP 97-V2N0056. This modification included the installation of various pipe fittings to accommodate installation of the new charging pump as well as 2" drain valve (2-1208-X4-607). A copy of Form NPV-1 for this valve S/N C2499 is attached.

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 RPH Date 3/8 2000
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 06/14/99 to 04-05-00, 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.

Frank E. Bellais Commissions GA 497
Inspector's Signature National Board, State, Province and Endorsements

Date 04-05 20 00

ORIGINAL

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

As Required By The Provisions Of The ASME Code Section XI

- Traveler # 99128
1. Owner Southern Nuclear Operating Company Date 03/03/00
Name 40 Inverness Center Parkway, Birmingham, AL Sheet 1 Of 1
2. Plant Vogtle Electric Generating Plant Unit 2
Address Waynesboro, GA 30830 MWO # 29901732
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 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)
1208 PIPING SYSTEM	SOUTHERN NUCLEAR OPERATING CO.	N/A	N/A	2K3-1208-003-01 2K3-1208-003-03 2K3-1208-099-01	1999	REPLACEMENT	NO

7. Description Of Work Installed piping modifications per DCP 97-V2N0056. This modification included the installation of various pipe fittings to accommodate installation of the new charging pump.

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 K. Bellano Date 3/3 20 00
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 06/14/99 to 05-01-2000, 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.

Frank A. Bellano Commissions GA 497
Inspector's Signature National Board, State, Province and Endorsements

Date 05-01 20 00

ORIGINAL

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

As Required By The Provisions Of The ASME Code Section XI

Traveler # 99129

1. Owner Southern Nuclear Operating Company Date 02/22/00
 Name 40 Inverness Center Parkway, Birmingham, AL Sheet 1 Of 1
2. Plant Vogtle Electric Generating Plant Unit 2
 Address Waynesboro, GA 30830 MWO # 29901624 and 29902725
 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 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)
1208 PIPING SYSTEM	SOUTHERN NUCLEAR OPERATING CO.	N/A	N/A	2K3-1208-144-01	1999	REPLACEMENT	NO

7. Description Of Work Installed piping modifications per DCP 97-V2N0056. The modification included installation of orifice plate 2FO-10123 which was fabricated under Traveler# 99221; the addition of a pressure indicator 2PI-8474; and the shortening of the pump discharge spool.
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 Frank A. Bellair Date 2/24/00
 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 06/21/99 to 2-29-00, 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.

Frank A. Bellair Commissions GA 497
 Inspector's Signature National Board, State, Province and Endorsements

Date 02-29-00

02/22/00

ORIGINAL

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

As Required By The Provisions Of The ASME Code Section XI

Traveler # 99222 and 99130

1. Owner Southern Nuclear Operating Company Date 11/30/99
Name
40 Inverness Center Parkway, Birmingham, AL Sheet 1 Of 1
2. Plant Vogtle Electric Generating Plant Unit 2
Address Waynesboro, GA 30830 MWO # 29901625 and 29902725
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)
1208 PIPING SYSTEM	PULLMAN POWER PRODUCTS	N/A	N/A	2K3-1208-146-01	1988	REPLACEMENT	YES

7. Description Of Work Fabricated and installed orifice plate 2FO10122 with new bolting materials. Also, installed a sockolet on line 1208-154-4" per DCP 97-V2N0049.
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 KK [Signature] Maint mgr Date 12/1 19 99
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 06/21/99 to 02-16-00, 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 [Signature] Commissions GA 497
National Board, State, Province and Endorsements

Date 02-16 16 2000

11/30/99

ORIGINAL

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

As Required By The Provisions Of The ASME Code Section XI

Traveler # 99131

1. Owner Southern Nuclear Operating Company Date 02/22/00
 Name 40 Inverness Center Parkway, Birmingham, AL Sheet 1 Of 3
2. Plant Vogtle Electric Generating Plant Unit 2
 Address Waynesboro, GA 30830 MWO # 29901685
 Repair Organization P.O. No., Job No., etc.
3. Work Performed by Nuclear Operations Maintenance Plant Vogtle
 Name Address
4. Identification Of System 1217 / Auxiliary Component Cooling Water 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 1999 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)
1217 PIPING SYSTEM	SOUTHERN NUCLEAR OPERATING CO.	N/A	N/A	2K3-1217-182-02 2K3-1217-183-03 2K3-1217-184-01 2K3-1217-186-01	1999	REPLACEMENT	NO

7. Description Of Work Installed piping modifications per DCP 97-V2N0056. Modifications include the installation of a 1-1/2" globe valve. A copy of Form NPV-1 for this valve S/N H050ABJ is attached.

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 [Signature] Date 2/24/00
 Owner or Owner's Designee, Title 06/14/99

Print
02-22-00

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 06/14/99 to 03-01-00, 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 [Signature] Commissions GA 497
 National Board, State, Province and Endorsements

Date 03-01 10 2000

ORIGINAL

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

Traveler # 99133

1. Owner Southern Nuclear Operating Company Date 03/03/00
 Name 40 Inverness Center Parkway, Birmingham, AL Sheet 1 Of 1

2. Plant Vogtle Electric Generating Plant Unit 2
 Address Waynesboro, GA 30830 MWO # 29901732
 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 SEC III 1977 Edition, Winter 1977 Addenda, N/A Code Case
 (b) Applicable Edition of Section XI Utilized For Repairs Or Replacements 1999 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)
1204 PIPING SYSTEM	SOUTHERN NUCLEAR OPERATING CO.	N/A	N/A	2K3-1204-057-02	1999	REPLACEMENT	NO

7. Description Of Work Installed piping modifications per DCP 97-V2N0056. This modification included the installation of a tee in line 1204-057-3" to join line 1208-003-3".

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 KR Holmes Maint mgr Date Unknown Original signed between 03/03/00 and 05/01/00
 Owner or Owner's Designee, Title Part 06/06/01

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 05-01-2000 to 06/14/99, 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.

Frank E. Bellain Commissions GA497
 Inspector's Signature National Board, State, Province and Endorsements

Date 05-01 20 00

Data 03/03/00

ORIGINAL

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

As Required By The Provisions Of The ASME Code Section XI

Traveler # 99138

1. Owner Southern Nuclear Operating Company Date 02/16/00
 Name 40 Inverness Center Parkway, Birmingham, AL Sheet 1 Of 1
2. Plant Vogtle Electric Generating Plant Unit 2
 Address Waynesboro, GA 30830 MWO # 29901687
 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)
1208 PIPE SUPPORT	SOUTHERN NUCLEAR OPERATING CO.	N/A	N/A	V2-1208-003-H606	1999	REPLACEMENT	NO

7. Description Of Work Installed pipe support per DCP 97-V2N0056.
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 KR Hanna Maint Mgr Date 2/18 2000
 Owner or Owner's Designee, Title 20 DCP 03-17-00

DATA
02/16/00

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 06/14/99 to 03-20-2000, 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 Frank de Bellain Commissions GA 497
 National Board, State, Province and Endorsements

Date 03-20 ~~19~~ 2000

ORIGINAL

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

As Required By The Provisions Of The ASME Code Section XI

Traveler # 99139

1. Owner Southern Nuclear Operating Company Date 03/03/00
Name
40 Inverness Center Parkway, Birmingham, AL Sheet 1 Of 1
2. Plant Vogtle Electric Generating Plant Unit 2
Address Waynesboro, GA 30830 MWO # 29901732
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)
1208 PIPE SUPPORT	SOUTHERN NUCLEAR OPERATING CO.	N/A	N/A	V2-1208-003-H605	1999	REPLACEMENT	NO

7. Description Of Work Installed pipe support per DCP 97-V2N0056.

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 KR [Signature] Maint mg Date 4/7 20 00
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 06/14/99 to 05-01-2000, 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.

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Frank A. Bellair Jr Commissions GA497
Inspector's Signature National Board, State, Province and Endorsements

Date 05-01 20 00

ORIGINAL

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

As Required By The Provisions Of The ASME Code Section XI

Traveler # 99140

1. Owner Southern Nuclear Operating Company Date 03/03/00
Name
40 Inverness Center Parkway, Birmingham, AL Sheet 1 Of 1
2. Plant Vogtle Electric Generating Plant Unit 2
Address Waynesboro, GA 30830 MWO # 29901732
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)
1208 PIPE SUPPORT	SOUTHERN NUCLEAR OPERATING CO.	N/A	N/A	V2-1208-003-H607	1999	REPLACEMENT	NO

7. Description Of Work Installed pipe support per DCP 97-V2N0056.

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 R. L. Hines Date 4/7 20 00
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 06/14/99 to 05-01-2000, 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.

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Frank E. Bellair Jr. Commissions GA 497
Inspector's Signature National Board, State, Province and Endorsements

Date 05-01 20 00

03/03/00

ORIGINAL

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

As Required By The Provisions Of The ASME Code Section XI

Traveler # 99141

1. Owner Southern Nuclear Operating Company Date 03/03/00
Name
40 Inverness Center Parkway, Birmingham, AL Sheet 1 Of 1
2. Plant Vogtle Electric Generating Plant Unit 2
Address Waynesboro, GA 30830 MWO # 29901732
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 1999
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)
1208 PIPE SUPPORT	SOUTHERN NUCLEAR OPERATING CO.	N/A	N/A	V2-1208-003-H029	1999	REPLACEMENT	NO

7. Description Of Work Installed pipe support per DCP 97-V2N0056.

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 KR Johnson Maint mgr Date 4/7 20 00
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

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Inspector's Signature Frank A. Belkin Jr Commissions GA 497
National Board, State, Province and Endorsements

Date 05-01 2000

ORIGINAL

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

As Required By The Provisions Of The ASME Code Section XI

Traveler # 99142

1. Owner Southern Nuclear Operating Company Date 02/16/00
Name 40 Inverness Center Parkway, Birmingham, AL Sheet 1 Of 1
2. Plant Vogtle Electric Generating Plant Unit 2
Address Waynesboro, GA 30830 MWO # 29901687
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)
1208 PIPE SUPPORT	SOUTHERN NUCLEAR OPERATING CO.	N/A	N/A	V2-1208-123-H604	1999	REPLACEMENT	NO

7. Description Of Work Installed pipe support per DCP 97-V2N0056.
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 R. L. Johnson, Maint Mgr Date 2/18 ~~10~~ 99
Owner or Owner's Designee, Title 2000 Book 03-17-00

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 06/14/99 to 03-20-00, 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.

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Frank A. Bellais Jr Commissions GA 497
Inspector's Signature National Board, State, Province and Endorsements

Date 03-20 ~~10~~ 2000

ORIGINAL

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

As Required By The Provisions Of The ASME Code Section XI

Traveler # 99143

1. Owner Southern Nuclear Operating Company Date 02/16/00
Name 40 Inverness Center Parkway, Birmingham, AL Sheet 1 Of 1
2. Plant Vogtle Electric Generating Plant Unit 2
Address Waynesboro, GA 30830 MWO # 29901687
Repair Organization P.O. No., Job No., etc.
3. Work Performed by Nuclear Operations Maintenance Plant Vogtle
Name Address
4. Identification Of System 1217 / Auxiliary Component Cooling Water 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)
1217 PIPE SUPPORT	SOUTHERN NUCLEAR OPERATING CO.	N/A	N/A	V2-1217-182-H601	1999	REPLACEMENT	NO

7. Description Of Work Installed pipe support per DCP 97-V2N0056.

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 Frank L. Bellair Jr Date 2/18 19 00
Owner or Owner's Designee, Title 20 SA 03-17-00

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 06/14/99 to 03-20-00, 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.

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Frank L. Bellair Jr Commissions GA 497
Inspector's Signature National Board, State, Province and Endorsements

Date 03-20 19 2000

ORIGINAL

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

As Required By The Provisions Of The ASME Code Section XI

Traveler # 99144

1. Owner Southern Nuclear Operating Company Date 02/16/00
 Name 40 Inverness Center Parkway, Birmingham, AL Sheet 1 Of 1
2. Plant Vogtle Electric Generating Plant Unit 2
 Address Waynesboro, GA 30830 MWO # 29901687
 Repair Organization P.O. No., Job No., etc.
3. Work Performed by Nuclear Operations Maintenance Plant Vogtle
 Name Address
4. Identification Of System 1217 / Auxiliary Component Cooling Water 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)
1217 PIPE SUPPORT	SOUTHERN NUCLEAR OPERATING CO.	N/A	N/A	V2-1217-183-H621	1999	REPLACEMENT	NO

7. Description Of Work Installed pipe support per DCP 97-V2N0056.

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 K.C. Hobbs Maint mgr Date 2/18 ¹⁰ ₂₀ 03-17-00
 Owner or Owner's Designee, Title

Done 02/16/00

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 06/14/99 to 03-20-00, 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.

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Frank E. Bellais Jr Commissions GA497
 Inspector's Signature National Board, State, Province and Endorsements

Date 03-20 ¹⁹ ₂₀₀₀

ORIGINAL

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

As Required By The Provisions Of The ASME Code Section XI

Traveler # 99145

1. Owner Southern Nuclear Operating Company Date 02/16/00
Name 40 Inverness Center Parkway, Birmingham, AL Sheet 1 Of 1
2. Plant Vogtle Electric Generating Plant Unit 2
Address Waynesboro, GA 30830 MWO # 29901687
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 1999
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)
1208 PIPE SUPPORT	SOUTHERN NUCLEAR OPERATING CO.	N/A	N/A	V2-1208-501-H602	1999	REPLACEMENT	NO

7. Description Of Work Installed pipe support per DCP 97-V2N0056.

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 KR Jones maint mgr Date 2/18 19 00
Owner or Owner's Designee, Title 20 SA 03-17-00

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 06/14/99 to 03-20-00, 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.

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Inspector's Signature Frank E. Bellan Jr Commissions GA 497
National Board, State, Province and Endorsements

Date 03-20 19 2000

Done
02/16/00

ORIGINAL

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

As Required By The Provisions Of The ASME Code Section XI

Traveler # 99146

1. Owner Southern Nuclear Operating Company Date 02/16/00
Name 40 Inveness Center Parkway, Birmingham, AL Sheet 1 Of 1
2. Plant Vogtle Electric Generating Plant Unit 2
Address Waynesboro, GA 30830 MWO # 29901687
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)
1208 PIPE SUPPORT	SOUTHERN NUCLEAR OPERATING CO.	N/A	N/A	V2-1208-501-H603	1999	REPLACEMENT	NO

7. Description Of Work Installed pipe support per DCP 97-V2N0056.
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 Robert M. McIntyre Date 2/18
Owner or Owner's Designee, Title SA 03-17-00

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 06/14/99 to 03-20-00, 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.

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Frank L. Bellair Jr. Commissions GA497
Inspector's Signature National Board, State, Province and Endorsements

Date 03-20 2000

ORIGINAL

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

As Required By The Provisions Of The ASME Code Section XI

Traveler # 99148

1. Owner Southern Nuclear Operating Company Date 02/16/00
Name 40 Inveness Center Parkway, Birmingham, AL Sheet 1 Of 1
2. Plant Vogtle Electric Generating Plant Unit 2
Address Waynesboro, GA 30830 MWO # 29901687
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 1999
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)
1208 PIPE SUPPORT	SOUTHERN NUCLEAR OPERATING CO.	N/A	N/A	V2-1208-123-H603	1999	REPLACEMENT	NO

7. Description Of Work Installed pipe support per DCP 97-V2N0056.
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 KP Danks maint mgr Date 2/18/00
Owner or Owner's Designee, Title SEA03-17-00

CERTIFICATE OF INSERVICE INSPECTION

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Frank J. Bellas Jr Commissions GA497
Inspector's Signature National Board, State, Province and Endorsements

Date 03-20 ~~19~~ 2000

sent
02/16/00

ORIGINAL

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

As Required By The Provisions Of The ASME Code Section XI

Traveler # 99149

1. Owner Southern Nuclear Operating Company Date 02/16/00
 Name 40 Inverness Center Parkway, Birmingham, AL Sheet 1 Of 1
2. Plant Vogtle Electric Generating Plant Unit 2
 Address Waynesboro, GA 30830 MWO # 29901687
 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)
1208 PIPE SUPPORT	SOUTHERN NUCLEAR OPERATING CO.	N/A	N/A	V2-1208-501-H601	1999	REPLACEMENT	NO

7. Description Of Work Installed pipe support per DCP 97-V2N0056.

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 RRL Debra Mait Date 2/18 19 02
 Owner or Owner's Designee, Title 20 03-17-00

02/14/00

CERTIFICATE OF INSERVICE INSPECTION

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Frank E. Bellais Commissions GA 497
 Inspector's Signature National Board, State, Province and Endorsements

Date 03-20 ~~19~~ 2000

ORIGINAL

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

As Required By The Provisions Of The ASME Code Section XI

Traveler # 99150/ 99179

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

Date 12/9/99

Sheet 1 Of 2

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

Unit 2

MWO # 29901719
Repair Organization P.O. No., Job No., etc.

3. Work Performed by Nuclear Operations Maintenance
Name

Plant Vogtle
Address

4. Identification Of System 1202 / NUCLEAR SERVICE COOLING WATER SYSTEM

5. (a) Applicable Construction Code ASME SEC III 1977 Edition, Winter 77 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). Rows list PIPING SYSTEM components from PULLMAN POWER PRODUCTS.

7. Description Of Work Replaced existing studs and nuts with corrosion resistant material per REA 97-VAA678 at the bolted connections in the following locations: 2FE1818A, 2HV1806, 2FE1818B, 2HV1822, 2HV2143, 2FE2132A, 2HV-1808, 2FE-1820A, 2HV-1830, 2FE-1820B, 2HV2138, 2FE2132B, 2-1202U4-197, 2HV-11687, 21202U4-199, 2HV-11688; blind flanges near 2FE-1820A, 2FE1820B, 2HV11687, and flanged spacer near 2-1204-P6-003.

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

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

Section XI Travelers 99150/ 99179

Page 2 of 2

12/14/99

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 R. P. Wilson Maint mgr Date 12/9 19 99
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 6-1-99 to 12-14-99, 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 Frank A. Bellair Jr Commissions GA497
National Board, State, Province and Endorsements

Date 12-14 19 99

ORIGINAL

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

As Required By The Provisions Of The ASME Code Section XI

Traveler # 99170

1. Owner Southern Nuclear Operating Company Date 11/17/99
 Name 40 Inverness Center Parkway, Birmingham, AL Sheet 1 Of 1
2. Plant Vogtle Electric Generating Plant Unit 2
 Address Waynesboro, GA 30830 MWO # 29901380
 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 SEC 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	V2-1301-105-H003	1988	REPLACEMENT	YES

7. Description Of Work Snubber AD-12501, serial # 53 was replaced with AD-12501, serial # 23 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.

Type Code Symbol Stamp N/A

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

Signed KR Helms maint mgr Date 11/16 19 99
 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 06/02/99 to 12-07-99, 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.

Signed Frank L. Bellair Jr Commissions GA 497
 Inspector's Signature National Board, State, Province and Endorsements

Date 12-07 19 99

ORIGINAL

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

Traveler # 99181

1. Owner Southern Nuclear Operating Company Date 11/23/99
 Name 40 Inverness Center Parkway, Birmingham, AL Sheet 1 Of 2
2. Plant Vogtle Electric Generating Plant Unit 2
 Address Waynesboro, GA 30830 MWO # 29901721
 Repair Organization P.O. No., Job No., etc.
3. Work Performed by Nuclear Operations Maintenance Plant Vogtle
 Name Address
4. Identification Of System 1202 / Nuclear Service Cooling Water 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)
1202 PIPING SYSTEM	PULLMAN POWER PRODUCTS	N/A	N/A	2K4-1202-188-03 2K4-1202-192-04	1988	REPLACEMENT	YES
1202 PIPING SYSTEM	PULLMAN POWER PRODUCTS	N/A	N/A	2K4-1202-196-05 2K4-1202-138-02	1988	REPLACEMENT	YES
1202 PIPING SYSTEM	PULLMAN POWER PRODUCTS	N/A	N/A	2K4-1202-139-02 2K4-1202-225-03	1988	REPLACEMENT	YES
1202 PIPING SYSTEM	PULLMAN POWER PRODUCTS	N/A	N/A	2K4-1202-223-03 2K4-1202-001-05	1988	REPLACEMENT	YES

7. Description Of Work Installed replacement studs and nuts in accordance with REA 97-VAA678 on piping flanges located at the inlet and outlet of Containment Cooling Units 2-1501-A7-001-000; 2-1501-A7-002-000; 2-1501-A7-005-000; 2-1501-A7-006-01; 2-1511-E7-002-000; and 2-1515-A7-001-000. Also replaced bolting in flanges located at 2FE-2221; 2FE-2224; 2FO-2222; 2FO-2225; 2FE-2227; 2FE-2230; 2FO-2184; 2FE-2186; 2FO-2188; 2FE-2190; 2FO-2228 and 2FO-2231 (reference Section XI Traveler numbers 99181 through 99188).
8. Test Conducted: Hydrostatic Pneumatic Nominal Operating Pressure
 Other Pressure N/A PSI Test Temp. N/A °F

ORIGINAL

Traveler # 99181

Sheet 2 of 2

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 R.R. Johns Maint Mgr Date 12/9 19 99
Owner or Owner's Designee, Title

Done
12/07/99

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 06/15/99 to 12-09-99, 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.

Frank J. Bellair Jr Commissions GA 497
Inspector's Signature National Board, State, Province and Endorsements

Date 12-09 19 99

ORIGINAL

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

As Required By The Provisions Of The ASME Code Section XI

Traveler # 99189; 99190

1. Owner Southern Nuclear Operating Company Date 11/24/99
Name 40 Inverness Center Parkway, Birmingham, Ala. Sheet 1 Of 2
2. Plant Vogtle Electric Generating Plant Unit 2
Address Waynesboro, GA 30830 MWO # 29901723
Repair Organization P.O. No., Job No., etc.
3. Work Performed by Nuclear Operations Maintenance Plant Vogtle
Name Address
4. Identification Of System 1202 / NUCLEAR SERVICE COOLING WATER SYSTEM
5. (a) Applicable Construction Code ASME SEC III 1977 Edition, Winter 77 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)
PIPING SYSTEM	PULLMAN POWER PRODUCTS	N/A	N/A	2K7-1202-215-01	1988	REPLACEMENT	YES
PIPING SYSTEM	PULLMAN POWER PRODUCTS	N/A	N/A	2K7-1202-099-01	1988	REPLACEMENT	YES
PIPING SYSTEM	PULLMAN POWER PRODUCTS	N/A	N/A	2K7-1202-098-01	1988	REPLACEMENT	YES
PIPING SYSTEM	PULLMAN POWER PRODUCTS	N/A	N/A	2K7-1202-213-01	1988	REPLACEMENT	YES
PIPING SYSTEM	PULLMAN POWER PRODUCTS	N/A	N/A	2K7-1202-228-01	1988	REPLACEMENT	YES
PIPING SYSTEM	PULLMAN POWER PRODUCTS	N/A	N/A	2K7-1202-232-01	1988	REPLACEMENT	YES
PIPING SYSTEM	PULLMAN POWER PRODUCTS	N/A	N/A	2K7-1202-098-02	1988	REPLACEMENT	YES
PIPING SYSTEM	PULLMAN POWER PRODUCTS	N/A	N/A	2K7-1202-099-02	1988	REPLACEMENT	YES

7. Description Of Work Replaced existing studs and nuts with corrosion resistant material per REA 97-VAA678 at the following locations: 2HV-8109, 2FE-1821A, 2HV-1831, 2FE-1821B, 2HV1807, 2FE-1819A, 2HV-1823, 2FE-1819B, 2HV-2135, 2HV-2261, 2FE2133A, 2HV2139, 2HV-2262, 2FE2133B, 2HV-11689, 2HV-11690, and Flanges near 2-1202-U4-185; 2-1202-X4-070; 2-1202-U4-184; 2-1202-X4-053.

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

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

Traveler Number - 99189; 99190

Page 2 of 2

Handwritten initials and date: 12/2/99

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 J.R. Hobbs Maintenance 12/2 19 99
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 6-4-99 to 12-09-99, 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.

Frank L. Bellair Jr Commissions GA 497
Inspector's Signature National Board, State, Province and Endorsements

Date 12-09 19 99

ORIGINAL

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

As Required By The Provisions Of The ASME Code Section XI

Traveler # 99191

1. Owner Southern Nuclear Operating Company Date 11/23/99
 Name 40 Inverness Center Parkway, Birmingham, AL Sheet 1 Of 2
2. Plant Vogtle Electric Generating Plant Unit 2
 Address Waynesboro, GA 30830 MWO # 29901722
 Repair Organization P.O. No., Job No., etc.
3. Work Performed by Nuclear Operations Maintenance Plant Vogtle
 Name Address
4. Identification Of System 1202 / Nuclear Service Cooling Water 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)
1202 PIPING SYSTEM	PULLMAN POWER PRODUCTS	N/A	N/A	2K4-1202-211-01 2K4-1202-205-01	1988	REPLACEMENT	YES
1202 PIPING SYSTEM	PULLMAN POWER PRODUCTS	N/A	N/A	2K4-1202-209-02 2K4-1202-212-02	1988	REPLACEMENT	YES
1202 PIPING SYSTEM	PULLMAN POWER PRODUCTS	N/A	N/A	2K4-1202-216-04 2K4-1202-220-04	1988	REPLACEMENT	YES
1202 PIPING SYSTEM	PULLMAN POWER PRODUCTS	N/A	N/A	2K4-1202-229-05 2K4-1202-140-01	1988	REPLACEMENT	YES
1202 PIPING SYSTEM	PULLMAN POWER PRODUCTS	N/A	N/A	2K4-1202-141-01 2K4-1202-231-05	1988	REPLACEMENT	YES

7. Description Of Work Installed replacement studs and nuts in accordance with REA 97-VAA678 on piping flanges located at the inlet and outlet of Containment Cooling Units 2-1501-A7-002-000; 2-1501-A7-003-000; 2-1501-A7-004-000; 2-1501-A7-007-01; 2-1501-A7-008-01; 2-1511-E7-001-000; and 2-1515-A7-002-000. Also replaced bolting in flanges located at 2FO-2210; 2FE-2209; 2FE-2212; 2FO-2214; 2FE-2215; 2FE-2218; 2FO-2216; 2FO-2219; 2FO-2185; 2FE-2191 and 2FO-2189 (reference Section XI Traveler numbers 99191 through 99200).
8. Test Conducted: Hydrostatic Pneumatic Nominal Operating Pressure
 Other Pressure N/A PSI Test Temp. N/A °F

ORIGINAL

Traveler # 99191Sheet 2 of 2

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 KE James Mont mg Date 12/9 19 99
Owner or Owner's Designee, TitleDone
12/07/99

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 06/15/99 to 12-09-99, 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 Frank E. Bellain Jr Commissions GA 497
National Board, State, Province and EndorsementsDate 12-09 19 99

ORIGINAL

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

- Traveler # 99202
- Owner Southern Nuclear Operating Company Date 03/09/00
40 Inverness Center Parkway, Birmingham, AL Sheet 1 Of 2
 Name
 - Plant Vogtle Electric Generating Plant Unit 2
Waynesboro, GA 30830 MWO # 29901858
 Address Repair Organization P.O. No., Job No., etc.
 - Work Performed by Nuclear Operations Maintenance Plant Vogtle
 Name Address
 - Identification Of System 1302 / Auxiliary Feedwater System
 - (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 1999
 - 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	ANCHOR / DARLING VALVE CO.	E-9001-26-15	N/A	2-1302-U4-043	1980	REPAIR / REPLACEMENT	YES

7. Description Of Work Valve bonnet was replaced under Traveler# 99202. A copy of Form N-1 for the replacement bonnet is attached. The valve body was also weld repaired in the pressure seal area under Traveler# 99266.

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 REPAIR / 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 TR Johnson McIntyre Date 3/14 20 00
 Owner or Owner's Designee, Title

Done
03/09/00

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 06/15/99 to 04-04-00, 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 Frank E. Bellair Commissions GA 497
 National Board, State, Province and Endorsements

Date 04-04 20 00

ORIGINAL

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

Traveler # 99204

1. Owner Southern Nuclear Operating Company Date 12/05/00
 Name 40 Inverness Center Parkway, Birmingham, AL Sheet 1 Of 7
2. Plant Vogtle Electric Generating Plant Unit + 2 Dec 12/00
Waynesboro, GA 30830 MWO # 29901677 and 29902366
 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 1974 Edition, Summer 1975 Addenda, N/A Code Case
 (b) Applicable Edition of section XI Utilities 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)
PUMP	INGERSOLL-DRESSER PUMP CO.	0398019	N/A	X1208-P4-001 2 Dec 12-00 00	1999	REPLACEMENT	YES
PUMP PEDESTALS	PENN IRON WORKS, INC.	129132-1A1 & 129132-1B2	76 & 79	X1208-P4-001 2 Dec 12-00 00	1998	REPLACEMENT	YES

7. Description Of Work The positive displacement pump was replaced by a centrifugal normal charging pump per DCP 97-V2N0056. This replacement also includes welding of the suction and discharge nozzle flanges and their bolting to the pump. Copies of Form NPV-1 for the replacement pump and NF-1 for the replacement pump pedestals are attached.

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. repair or replacement

Type Code Symbol Stamp N/A

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

Signed K.R. Johnson Date 12/16/2000
 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 06/23/99 to 12-11-00, 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 12-11 20 00

Dec 12/05/00

ORIGINAL

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

As Required By The Provisions Of The ASME Code Section XI

- Traveler # 99209
1. Owner Southern Nuclear Operating Company Date 12/02/99
Name 40 Inverness Center Parkway, Birmingham, AL Sheet 1 Of 1
2. Plant Vogtle Electric Generating Plant Unit 2
Address Waynesboro, GA 30830 MWO # 29901923
Repair Organization P.O. No., Job No., etc.
3. Work Performed by Nuclear Operations Maintenance Plant Vogtle
Name Address
4. Identification Of System 2101 / Containment Building 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)
EQUIPMENT HATCH	CHICAGO BRIDGE AND IRON	N/A	N/A	2-2101-R2-016	1988	REPAIR	NO

7. Description Of Work Welded load in ramp to equipment hatch barrel per DCP 99-V2N0037.
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		<u>REPAIR</u>	conforms to the
rules of the ASME Code, Section XI.		repair or replacement	
Type Code Symbol Stamp	<u>N/A</u>		
Certificate of Authorization No.	<u>N/A</u>	Expiration Date	<u>N/A</u>
Signed <u>KR Holmes Maint Mgr</u>	Date	<u>12/6 19 99</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 Hartford, Connecticut</u> have inspected the components described in this Owner's Report during the period <u>07/21/99</u> to <u>12-13-99</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>Frank S. Ballais Jr</u>	Commissions <u>GA 499</u> National Board, State, Province and Endorsements
Date <u>12-13</u>	19 <u>99</u>

Date
12/02/99

ORIGINAL

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

As Required By The Provisions Of The ASME Code Section XI

Traveler # 99210

1. Owner Southern Nuclear Operating Company Date 03/13/00
 Name 40 Inverness Center Parkway, Birmingham, AL Sheet 1 Of 3
2. Plant Vogtle Electric Generating Plant Unit 2
 Address Waynesboro, GA 30830 MWO # 29900185
 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 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	CONTROL COMPONENTS, INC.	23469-1-3	N/A	2PV3020	1982	REPAIR / REPLACEMENT	YES

7. Description Of Work Valve plug was replaced. Pressure seal area of valve body was welded and machined to restore optimum sealing surface. 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 REPAIR / 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 K. Johnson Date 3/14 20 00
 Owner or Owner's Designee, Title

Post 03/14/00

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 08/04/99 to 5-3-00, 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 [Signature] Commissions GA 497
 National Board, State, Province and Endorsements

Date 05-03 20 00

ORIGINAL

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

Traveler # 99211

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

Date 5/24/2000

Sheet 1 Of 1

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

Unit 2

MWO # 29900967
Repair Organization P.O. No., Job No., etc.

3. Work Performed by Nuclear Operations Maintenance
Name

Plant Vogtle
Address

4. Identification Of System 1202 / NUCLEAR SERVICE COOLING WATER

5. (a) Applicable Construction Code ASME SEC III 1974 Edition, Winter '75 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 & Gage Co.	N67951-00-0003	N/A	2PSV11752	1984	REPLACEMENT	YES
N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

7. Description Of Work : Relief valve S/N N67951-00-0003 was replaced with spare relief valve S/N N67951-00-0003 to facilitate valve testing. The replacement valve was previously installed as 2PSV-11744.

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 R.R. Adams Maint Mgr Date 5/26
Owner or Owner's Designee, Title 20 19-00
5/26/00

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 8-30-99 to 6-23-00, 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 Frank A. Bellair Commissions GA 497
National Board, State, Province and Endorsements

Date 6-23 18 2000

ORIGINAL

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

As Required By The Provisions Of The ASME Code Section XI

Traveler # 99218

1. Owner Southern Nuclear Operating Company Date 5/24/2000
 Name 40 Inverness Center Parkway, Birmingham, Ala.
 Sheet 1 Of 1

2. Plant Vogtle Electric Generating Plant Unit 2
 Address Waynesboro, GA 30830 MWO # 29901912
 Repair Organization P.O. No., Job No., etc.

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

4. Identification Of System 1202 / NUCLEAR SERVICE COOLING WATER SYSTEM

5. (a) Applicable Construction Code ASME SEC III 1974 Edition, Winter '75 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 & Gage Co.	N67936-00-0002	N/A	2PSV11759	1984	REPLACEMENT	YES
N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

7. Description Of Work : Relief valve S/N N67936-00-0003 was replaced with spare relief valve S/N N67936-00-0002 to facilitate valve testing. The replacement valve was previously installed as 1PSV-11766.

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 K.R. Johns Maint Mgr Date 5/26 2000
 Owner or Owner's Designee, Title 5/26/00

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 9-16-99 to 6-23-00, 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.

Frank A. Ballais Jr Commissions GA497
 Inspector's Signature National Board, State, Province and Endorsements

Date 6-23 18 2000

ORIGINAL

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

As Required By The Provisions Of The ASME Code Section XI

Traveler # 99219

1. Owner Southern Nuclear Operating Company Date 5/23/2000
Name 40 Inverness Center Parkway, Birmingham, Ala. Sheet 1 Of 1
2. Plant Vogtle Electric Generating Plant Unit 2
Address Waynesboro, GA 30830 MWO # 29901913
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 SEC III 1971 Edition, Winter '72 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 & Gage Co.	N569000-00-0049	N/A	2PSV8121	1977	REPLACEMENT	YES
N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

7. Description Of Work : Relief valve S/N N56900-00-0025 was replaced with spare relief valve S/N N56900-00-0049 to facilitate valve testing. The replacement valve was previously installed as 1PSV-8121.

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 KR Johnson Date 5/26 2000
Owner or Owner's Designee, Title Maint KR 5/26/00

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 9-16-99 to 06-23-00, 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 Frank E. Bellair Commissions GA 497
National Board, State, Province and Endorsements

Date 06-23 2000

ORIGINAL

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

As Required By The Provisions Of The ASME Code Section XI

- Traveler # 99221
1. Owner Southern Nuclear Operating Company Date 05/03/00
Name 40 Inverness Center Parkway, Birmingham, AL Sheet 1 Of 1
2. Plant Vogtle Electric Generating Plant Unit 2
Address Waynesboro, GA 30830 MWO # 29900570
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, 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)
HEAT EXCHANGER	SENTRY EQUIPMENT CORP.	796018	1307	2-1205-P6-002-M01	1979	REPLACEMENT	YES

7. Description Of Work Motor heat exchanger end covers and channels were replaced.
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 R.R. Holmes maint mg Date 5/4 20 00
Owner or Owner's Designee, Title

*Devt
05/03/00*

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 01/25/99 to 5-15-00, 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 Frank J. Bellair Commissions GA 497
National Board, State, Province and Endorsements

Date 5-15 20 00

ORIGINAL

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

As Required By The Provisions Of The ASME Code Section XI

Traveler # 99223

1. Owner Southern Nuclear Operating Company Date 11/17/99
Name 40 Inverness Center Parkway, Birmingham, AL Sheet 1 Of 1
2. Plant Vogtle Electric Generating Plant Unit 2
Address Waynesboro, GA 30830 MWO # 29901501
Repair Organization P.O. No., Job No., etc.
3. Work Performed by Nuclear Operations Maintenance Plant Vogtle
Name Address
4. Identification Of System 1501 / Containment Cooling 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)
1501 PIPING SYSTEM	PULLMAN POWER PRODUCTS	N/A	N/A	2V4-1501-034-01 2V4-1501-035-01	1988	REPLACEMENT	YES

7. Description Of Work Installed replacement studs and nuts on piping flanges located on Containment Cooler unit 2-1501-A7-006.
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 KR Johnson Maint mgr Date 11/17 1999
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 09/28/99 to 12-01-99, 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 Frank E. Bellais Jr Commissions GA497
National Board, State, Province and Endorsements

Date 12-01 19 99

ORIGINAL

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

As Required By The Provisions Of The ASME Code Section XI

Traveler # 99224

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

Date 12/ 9/99

Sheet 1 Of 2

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

Unit 2

MWO # 29801500
Repair Organization P.O. No., Job No., etc.

3. Work Performed by Nuclear Operations Maintenance
Name

Plant Vogtle
Address

4. Identification Of System 1501 / Containment Air Cooling System

5. (a) Applicable Construction Code ASME SEC III 1977 Edition, Winter 77 Addenda, N/A Code Case
(b) Applicable Edition of section XI Utilities 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). Rows include HEAT EXCHANGER HEADER with various serial numbers and identification codes.

7. Description Of Work Replaced existing studs and nuts with corrosion resistant material per Specification AX4AJ16-123 on inlet-outlet manifolds as shown on isometric drawings 2V4-1501-028-01, & 2V4-1501-029-01.

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

ORIGINAL

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

As Required By The Provisions Of The ASME Code Section XI

Traveler Number - 99224

Page 2 of 2

12/8/99

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 R.P. Adams Maint Mgr Date 12/9 19 99 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 9-28-99 to 12-14-99, 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 Frank A. Ballais Jr Commissions GA497 National Board, State, Province and Endorsements

Date 12-14 19 99

ORIGINAL

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

As Required By The Provisions Of The ASME Code Section XI

Traveler # 99226

1. Owner Southern Nuclear Operating Company Date 11/17/99
 Name 40 Inverness Center Parkway, Birmingham, AL Sheet 1 Of 1
2. Plant Vogtle Electric Generating Plant Unit 2
 Address Waynesboro, GA 30830 MWO # 29900559
 Repair Organization P.O. No., Job No., etc.
3. Work Performed by Nuclear Operations Maintenance Plant Vogtle
 Name Address
4. Identification Of System 1202 / Nuclear Service Cooling Water 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)
1202 PIPING SYSTEM	PULLMAN POWER PRODUCTS	N/A	N/A	2K7-1202-228-01 2K7-1202-328-01	1988	REPLACEMENT	YES

7. Description Of Work Installed replacement studs and nuts on piping blind flanges located on lines 1202-530-8" and 1202-531-8".

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 K. L. [Signature] Date 11/17 19 99
 Owner or Owner's Designee, Title

dit
11/17/99

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 10/04/99 to 12-06-99, 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 Frank E. Bellais Jr Commissions GA 497
 National Board, State, Province and Endorsements

Date 12-06-99 19 99

ORIGINAL

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

As Required By The Provisions Of The ASME Code Section XI

- Traveler # 99227
1. Owner Southern Nuclear Operating Company Date 12/08/99
Name 40 Inverness Center Parkway, Birmingham, AL Sheet 1 Of 1
2. Plant Vogtle Electric Generating Plant Unit 2
Address Waynesboro, GA 30830 MWO # 29902563
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)
1205 PIPING SYSTEM	PULLMAN POWER PRODUCTS	N/A	N/A	2K3-1205-008-01	1988	REPLACEMENT	YES

7. Description Of Work Installed replacement studs and nuts in the piping flanges located at 2FO-10443.
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 R. Hobbs, Maint Mgr Date 12/15 19 99
Owner or Owner's Designee, Title

Done
12/13/99

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 10/03/99 to 12-16-99, 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.

Frank D. Bellais Commissions GA 497
Inspector's Signature National Board, State, Province and Endorsements

Date 12-16 19 99

ORIGINAL

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

Traveler # 992281. Owner Southern Nuclear Operating Company
Name
40 Inverness Center Parkway, Birmingham,
Ala.

Date

12/10/99

Sheet

1

Of

12. Plant Vogtle Electric Generating Plant
Waynesboro, GA 30830
Address

Unit

2

MWO #

29902566

Repair Organization P.O. No., Job No., etc.

3. Work Performed by Nuclear Operations Maintenance
NamePlant Vogtle

Address

4. Identification Of System

1205 / RESIDUAL HEAT REMOVAL SYSTEM5. (a) Applicable Construction Code ASME SEC III 1977 Edition, Winter '77 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>PIPING SYSTEM</u>	<u>Pullman Power Company Inc.</u>	<u>N/A</u>	<u>N/A</u>	<u>2K3-1208-008-01</u>	<u>1988</u>	<u>REPLACEMENT</u>	<u>YES</u>
<u>N/A</u>	<u>N/A</u>	<u>N/A</u>	<u>N/A</u>	<u>N/A</u>	<u>N/A</u>	<u>N/A</u>	<u>N/A</u>

7. Description Of Replacement of studs and nuts in piping flanges for 2FV-0619.
Work8. 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/ASigned K. Holmes

Owner or Owner's Designee, Title

Date

12/1019 99

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 10-03-99 to 12-14-99, 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.

Frank J. Bellais Jr.
Inspector's Signature

Commissions

GA 497

National Board, State, Province and Endorsements

Date

12-1319 99

ORIGINAL

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

As Required By The Provisions Of The ASME Code Section XI

Traveler # 99229

1. Owner Southern Nuclear Operating Company Date 12/15/99
Name
40 Inverness Center Parkway, Birmingham, AL Sheet 1 Of 1

2. Plant Vogtle Electric Generating Plant Unit 2
Address Waynesboro, GA 30830 MWO # 29902620
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)
1205 PIPING SYSTEM	PULLMAN POWER PRODUCTS	N/A	N/A	2K3-1205-007-02	1988	REPLACEMENT	YES

7. Description Of Work Installed replacement studs and nuts in the piping flanges located at 2FV-0618.

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 KKK [Signature] Maint Mgr Date 12/17 19 99
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 10/03/99 to 03-02-00, 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.

Frank E. Bellain Commissions GA 497
Inspector's Signature National Board, State, Province and Endorsements

Date 03-02 10 2000

2001
12/15/99

ORIGINAL

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

As Required By The Provisions Of The ASME Code Section XI

Traveler # 99232

1. Owner Southern Nuclear Operating Company Date 04/03/00
Name 40 Inverness Center Parkway, Birmingham, AL Sheet 1 Of 3
2. Plant Vogtle Electric Generating Plant Unit 2
Address Waynesboro, GA 30830 MWO # 29801685
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, Summer 1979 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	GARRETT	P-144	N/A	2PV0455A	1984	REPLACEMENT	YES

7. Description Of Work Installed replacement valve plug. A copy of Form N-2 for the replacement plug. S/N N96012-38-0027 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 K. L. Holmes Maint Mgr Date 4/7 20 00
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 10/07/99 to 05-01-2000, 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 Frank E. Ballain Commissions GA 497
National Board, State, Province and Endorsements

Date 05-01 20 00

ORIGINAL

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

As Required By The Provisions Of The ASME Code Section XI

Traveler # 99233

1. Owner Southern Nuclear Operating Company Date 12/07/99
 Name 40 Inverness Center Parkway, Birmingham, AL Sheet 1 Of 2
2. Plant Vogtle Electric Generating Plant Unit 2
Waynesboro, GA 30830 Address MWO # 29900514
 Repair Organization P.O. No., Job No., etc.
3. Work Performed by Nuclear Operations Maintenance Plant Vogtle
 Name Address
4. Identification Of System 1302 / Auxiliary Feedwater 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
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	ANCHOR DARLING VALVE CO.	E9001-110-6	N/A	2-1302-U4-120	1983	REPLACEMENT	YES

7. Description Of Work Installed replacement valve bonnet. A copy of Form N-2 for the replacement bonnet 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 K. E. Duhon Date 12/9 19 99
 Owner or Owner's Designee, Title

Check 12/07/99

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 10/10/99 to 12-09-99, 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 Frank D. Bellais Jr Commissions GA 497
 National Board, State, Province and Endorsements

Date 12-09 19 99

ORIGINAL

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

As Required By The Provisions Of The ASME Code Section XI

Traveler # 99257

1. Owner Southern Nuclear Operating Company Date 11/29/99
 Name 40 Inverness Center Parkway, Birmingham, AL Sheet 1 Of 1
2. Plant Vogtle Electric Generating Plant Unit 2
 Address Waynesboro, GA 30830 MWO # 29900436
 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 1971 Edition, Summer 1972 Addenda, 1484-2 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)
1201	WESTINGHOUSE	1983	35	2-1201-B6-002	1982	REPLACEMENT	YES

7. Description Of Work Installed replacement bolt and a helical threaded insert on nozzle side handhole at the support plate.

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 Frank E. Bellair Date 5/4 20 00
 Owner or Owner's Designee, Title

*Frank E. Bellair
05/05/00*

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 10/13/99 to 05-10-00, 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 Frank E. Bellair Commissions GA497
 National Board, State, Province and Endorsements

Date 05-10 20 00

ORIGINAL

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

Traveler # 99258

1. Owner Southern Nuclear Operating Company Date 11/29/99
 Name 40 Inverness Center Parkway, Birmingham, AL Sheet 1 Of 1
2. Plant Vogtle Electric Generating Plant Unit 2
 Address Waynesboro, GA 30830 MWO # 29900440
 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 1971 Edition, Summer 1972 Addenda, 1484-2 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)
1201	WESTINGHOUSE	1982	34	2-1201-B6-003	1982	REPLACEMENT	YES

7. Description Of Work Installed replacement bolt on hot leg side secondary inspection handhole.

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 KR Vedres Maint mg Date 12/1 19 99
 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 10/13/99 to 12-07-99, 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.

Inspected by Frank A. Bellas Commissions GA 497
 Inspector's Signature National Board, State, Province and Endorsements

Date 12-07 19 99

11/29/99

ORIGINAL

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

As Required By The Provisions Of The ASME Code Section XI

Traveler # 99259

1. Owner Southern Nuclear Operating Company Date 11/22/99
Name 40 Inverness Center Parkway, Birmingham, AL Sheet 1 Of 1
2. Plant Vogtle Electric Generating Plant Unit 2
Address Waynesboro, GA 30830 MWO # 29902743
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)
1208 PIPING SYSTEM	PULLMAN POWER PRODUCTS	N/A	N/A	2K4-1208-020-02	1988	REPLACEMENT	YES

7. Description Of Work Installed replacement studs and nuts on piping flanges located at 2FE0157.

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 KK Wilson Maint Mgr Date 12/15 19 99
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 10/15/99 to 12-16-99, 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.

Frank D. Bellis Jr Commissions GA 497
Inspector's Signature National Board, State, Province and Endorsements

Date 12-16 19 99

ORIGINAL

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

As Required By The Provisions Of The ASME Code Section XI

Traveler # 99260

1. Owner Southern Nuclear Operating Company Date 01/06/00
Name 40 Inverness Center Parkway, Birmingham, AL Sheet 1 Of 1
2. Plant Vogtle Electric Generating Plant Unit 2
Address Waynesboro, GA 30830 MWO # 29902400
Repair Organization P.O. No., Job No., etc.
3. Work Performed by Nuclear Operations Maintenance Plant Vogtle
Name Address
4. Identification Of System 1202 / Nuclear Service Cooling Water 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)
1202 PIPING SYSTEM	PULLMAN POWER PRODUCTS	N/A	N/A	2K5-1202-031-01	1988	REPLACEMENT	YES

7. Description Of Work Installed replacement studs and nuts in piping flanges located at valves 2HV-11605 and 2-1202-U4-031.
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 KR Holmes Date 1/6/00
Owner or Owner's Designee, Title 19

Desk
01/06/00

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 10/15/99 to 03-02-00, 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 Frank D. Bellair Jr Commissions GA 497
National Board, State, Province and Endorsements

Date 03-02 16 2000

ORIGINAL

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

As Required By The Provisions Of The ASME Code Section XI

- Traveler # 99261
- Owner Southern Nuclear Operating Company Date 11/17/99
 Name 40 Inverness Center Parkway, Birmingham, AL Sheet 1 Of 1
 - Plant Vogtle Electric Generating Plant Unit 2
 Address Waynesboro, GA 30830 MWO # 29902934
 Repair Organization P.O. No., Job No., etc.
 - Work Performed by Nuclear Operations Maintenance Plant Vogtle
 Name Address
 - Identification Of System 1302 / Auxiliary Feedwater System
 - (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 1999
 - 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)
1302 PIPING SYSTEM	PULLMAN POWER PRODUCTS	N/A	N/A	2K2-1302-002-01	1988	REPLACEMENT	YES

7. Description Of Work Installed replacement studs and nuts on piping flanges located at 2FE5287.

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 KR Wilson Maint Mgr Date 12.11 19 99
 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 10/18/99 to 12-06-99, 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.

Frank S. Bellais Commissions BA 497
 Inspector's Signature National Board, State, Province and Endorsements

Date 12-06 19 99

Handwritten: 2014 11/29/99

ORIGINAL

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

As Required By The Provisions Of The ASME Code Section XI

- Traveler # 99262
1. Owner Southern Nuclear Operating Company Date 11/22/99
Name 40 Inverness Center Parkway, Birmingham, AL Sheet 1 Of 1
2. Plant Vogtle Electric Generating Plant Unit 2
Address Waynesboro, GA 30830 MWO # 29902933
Repair Organization P.O. No., Job No., etc.
3. Work Performed by Nuclear Operations Maintenance Plant Vogtle
Name Address
4. Identification Of System 1302 / Auxiliary Feedwater 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

DATA
12/02/99
3/2/00
12/02/99

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)
1200 PIPING SYSTEM	PULLMAN POWER PRODUCTS	N/A	N/A	2K3-1302-030-01	1988	REPLACEMENT	YES

7. Description Of Work Installed replacement studs and nuts on piping flanges located at 2FE5286.
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 KR Holmes Maint mgr Date 11/24 19 99
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 10/18/99 to 12-06-99, 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.

Frank de Belland Commissions GA 497
Inspector's Signature National Board, State, Province and Endorsements

Date 12-06 19 99

ORIGINAL

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

As Required By The Provisions Of The ASME Code Section XI

Traveler # 99263

1. Owner Southern Nuclear Operating Company Date 11/17/99
 Name 40 Inverness Center Parkway, Birmingham, AL Sheet 1 Of 1
2. Plant Vogtle Electric Generating Plant Unit 2
 Address Waynesboro, GA 30830 MWO # 29902935
 Repair Organization P.O. No., Job No., etc.
3. Work Performed by Nuclear Operations Maintenance Plant Vogtle
 Name Address
4. Identification Of System 1302 / Auxiliary Feedwater 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)
1302 PIPING SYSTEM	PULLMAN POWER PRODUCTS	N/A	N/A	2K2-1302-003-01	1988	REPLACEMENT	YES

7. Description Of Work Installed replacement studs and nuts on piping flanges located at 2FO5284.

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 KR Holmes maint mgr Date 11/16 19 99
 Owner or Owner's Designee, Title

Sent 11/17/99

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 10/18/99 to 12-02-99, 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 Frank A. Bellais Jr Commissions GA 497
 National Board, State, Province and Endorsements

Date 12-02 19 99

ORIGINAL

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

As Required By The Provisions Of The ASME Code Section XI

Traveler # 99264

1. Owner Southern Nuclear Operating Company Date 11/22/99
Name 40 Inverness Center Parkway, Birmingham, AL Sheet 1 Of 1
2. Plant Vogtle Electric Generating Plant Unit 2
Address Waynesboro, GA 30830 MWO # 29902932
Repair Organization P.O. No., Job No., etc.
3. Work Performed by Nuclear Operations Maintenance Plant Vogtle
Name Address
4. Identification Of System 1302 / Auxiliary Feedwater 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)
<u>1302</u> 1200 PIPING SYSTEM	PULLMAN POWER PRODUCTS	N/A	N/A	2K3-1302-030-01	1988	REPLACEMENT	YES

DW
12/02/99
306
12-02-99

7. Description Of Work Installed replacement studs and nuts on piping flanges located at 2FO5282.
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] Date 11/24 19 99
Owner or Owner's Designee, Title

DW
11/22/99

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 10/18/99 to 12-02-99, 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 497
Inspector's Signature National Board, State, Province and Endorsements

Date 12-02 19 99

ORIGINAL

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

As Required By The Provisions Of The ASME Code Section XI

Traveler # 99265

1. Owner Southern Nuclear Operating Company Date 02/15/00
Name
40 Inverness Center Parkway, Birmingham, AL Sheet 1 Of 1
2. Plant Vogtle Electric Generating Plant Unit 2
Address Waynesboro, GA 30830 MWO # 29802330
Repair Organization P.O. No., Job No., etc.
3. Work Performed by Nuclear Operations Maintenance Plant Vogtle
Name Address
4. Identification Of System 1302 / Auxiliary Feedwater 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
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	ANCHOR / DARLING VALVE CO.	E-9001-25-1	N/A	3-1302-U4-116	1980	REPLACEMENT	YES

7. Description Of Work Installed replacement valve disc. A copy of Form N-2 for the replacement disc 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.
repair or replacement

Type Code Symbol Stamp N/A

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

Signed FR Holmes maint mgr Date 2/29 08 2/21/00
Owner or Owner's Designee, Title FR

FR
02/15/00

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 10/18/99 to 4-4-00, 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 Frank J. Bellino Jr Commissions GA 497
National Board, State, Province and Endorsements

Date 04-04 19 2000

ORIGINAL

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

As Required By The Provisions Of The ASME Code Section XI

Traveler # 99266

1. Owner Southern Nuclear Operating Company Date 03/07/00
Name 40 Inveness Center Parkway, Birmingham, AL Sheet 1 Of 3
2. Plant Vogtle Electric Generating Plant Unit 2
Address Waynesboro, GA 30830 MWO # 29902485
Repair Organization P.O. No., Job No., etc.
3. Work Performed by Nuclear Operations Maintenance Plant Vogtle
Name Address
4. Identification Of System 1203 / Component Cooling Water System
5. (a) Applicable Construction Code ASME SEC 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	FISHER CONTROLS CO.	7785019	6382	2HV-11817	1981	REPLACEMENT	YES

7. Description Of Work Installed replacement retaining ring (S/N 2) in valve. A copy of Form N-2 for the replacement retaining ring is attached. The material change of the replacement retaining ring is approved for short term installation as approved by CR# 2000000008.

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 KR Disher Maint Mgr Date 3/8 20 00
Owner or Owner's Designee, Title

Rec'd
03/07/00

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 10/20/99 to 04-06-00, 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.

Signed Frank A. Bellais Jr Commissions GA497
Inspector's Signature National Board, State, Province and Endorsements

Date 04-06 20 00

ORIGINAL

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

As Required By The Provisions Of The ASME Code Section XI

Traveler # 99267

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

Date 11/23/99

Sheet 1 Of 1

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

Unit 2

MWO # 29903046
Repair Organization P.O. No., Job No., etc.

3. Work Performed by Nuclear Operations Maintenance
Name

Plant Vogtle
Address

4. Identification Of System 1204 / SAFETY INJECTION

5. (a) Applicable Construction Code ASME SEC III 1974 Edition, Summer '75 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, Rockwell International, BR140, N/A, 2-1204-U4-143, 1983, REPAIRED, YES. Row 2: N/A, N/A, N/A, N/A, N/A, N/A, N/A, N/A.

7. Description Of Work Performed locking tackweld on valve after maintenance.

8. Test Conducted: Hydrostatic [] Pneumatic [] Nominal Operating Pressure [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 REPAIR 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 KR Johnson, Mant Mgr Date 11/24 1999
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 10-18-99 to 12-07-99, 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: [Signature] Commissions: GA 497
National Board, State, Province and Endorsements

Date 12-07 1999

ORIGINAL

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

As Required By The Provisions Of The ASME Code Section XI

Traveler # 99271

1. Owner Southern Nuclear Operating Company Date 01/03/00
 Name 40 Inveness Center Parkway, Birmingham, AL Sheet 1 Of 3
2. Plant Vogtle Electric Generating Plant Unit 2
 Address Waynesboro, GA 30830 MWO # 29903124
 Repair Organization P.O. No., Job No., etc.
3. Work Performed by Nuclear Operations Maintenance Plant Vogtle
 Name Address
4. Identification Of System 1202 / Nuclear Service Cooling Water System
5. (a) Applicable Construction Code ASME SEC 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 & GAGE CO.	N67936-00-0005	N/A	2PSV-11766	1997	REPLACEMENT	YES

7. Description Of Work Installed replacement valve. A copy of Form NV-1 for the replacement valve 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 KR Helms Mcint Mgr Date 1/5 ~~19~~ 2000
 Owner or Owner's Designee, Title

*Dist
01/03/00*

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 10/20/99 to 04-03-00, 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.

Frank A. Bellain Commissions GA 497
 Inspector's Signature National Board, State, Province and Endorsements

Date 04-03 19 2000

1/5/2000

ORIGINAL

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

As Required By The Provisions Of The ASME Code Section XI

- Traveler # 99272
1. Owner Southern Nuclear Operating Company Date 11/17/99
Name 40 Inverness Center Parkway, Birmingham, AL Sheet 1 Of 1
2. Plant Vogtle Electric Generating Plant Unit 2
Address Waynesboro, GA 30830 MWO # 29902568
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 1999
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	2K3-1205-006-01	1988	REPLACEMENT	YES

7. Description Of Work Installed replacement studs and nuts on piping flanges located 2FE0611.
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 KR Holmes Mant Mg Date 11/17 19 99
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 10/21/99 to 12-02-99, 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.

Frank J. Bellais Commissions GA 497
Inspector's Signature National Board, State, Province and Endorsements

Date 12-02 19 99

ORIGINAL

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

Traveler # 99273

1. Owner Southern Nuclear Operating Company Date 12/16/99
Name 40 Inverness Center Parkway, Birmingham, AL Sheet 1 Of 1
2. Plant Vogtle Electric Generating Plant Unit 2
Address Waynesboro, GA 30830 MWO # 29902622
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)
1205 PIPING SYSTEM	PULLMAN POWER PRODUCTS	N/A	N/A	2K3-1205-009-01	1988	REPLACEMENT	YES

7. Description Of Work Installed replacement studs and nuts in the piping flanges located at 2FE-0618.8. 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 replacementType Code Symbol Stamp N/ACertificate of Authorization N/A Expiration Date N/ASigned RR Johnson Maintenance Date 1/31/00
Owner or Owner's Designee, Title 1900

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 10/21/99 to 03-02-00, 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 Frank L. Bellini Commissions GA 497
National Board, State, Province and EndorsementsDate 03-02 19 2000

ORIGINAL

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

Traveler # 99274

1. Owner Southern Nuclear Operating Company Date 08/15/00
Name 40 Inverness Center Parkway, Birmingham, AL Sheet 1 Of 3
2. Plant Vogtle Electric Generating Plant Unit 2
Address Waynesboro, GA 30830 MWO # 29901788
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 1974 Edition, N/A 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 CONTROLS CO.	9318722	2628	2FV-0121	1985	REPLACEMENT	YES

7. Description Of Work Valve plug was replaced. A copy of Form N-2 for the replacement valve 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 replacementType Code Symbol Stamp N/ACertificate of Authorization No. N/A Expiration Date N/ASigned RR Holmes Maint mgr Date 8/22 2000
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 10/20/99 to 8-30-00, 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 MB Chapman Commissions GA 203
National Board, State, Province and EndorsementsDate 8-30 2000Sent
08/15/00

ORIGINAL

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

As Required By The Provisions Of The ASME Code Section XI

Traveler # 99275

1. Owner Southern Nuclear Operating Company Date 11/17/99
Name 40 Inverness Center Parkway, Birmingham, AL Sheet 1 Of 3
2. Plant Vogtle Electric Generating Plant Unit 2
Address Waynesboro, GA 30830 MWO # 29802005
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	FISHER CONTROLS CO.	5945210	2938	2HV-8149A	1978	REPLACEMENT	YES

7. Description Of Work Installed replacement plug assembly in valve. This replacement activity was not reviewed by the ANIII or Quality Control prior to implementation as documented by condition report number ~~210990559~~ 1999 001595. A copy of Form N-2 for the replacement plug is attached. 12-08-99 3/5 12-08-99
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 KR Dobson Maint Rep Date 11/27 19 99
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 5-15-00 to 5-15-00, 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 fault of any kind arising from or connected with this inspection.

Frank J. Bellair Jr Commissions GA 497
Inspector's Signature National Board, State, Province and Endorsements

Date 5-15 2000

DNA
11/22/99

ORIGINAL

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

As Required By The Provisions Of The ASME Code Section XI

- Traveler # 99276
- Owner Southern Nuclear Operating Company Date 11/16/99
40 Inverness Center Parkway, Birmingham, AL Sheet 1 Of 1
 Name
 - Plant Vogtle Electric Generating Plant Unit 2
Waynesboro, GA 30830 MWO # 29902034
 Address Repair Organization P.O. No., Job No., etc.
 - Work Performed by Nuclear Operations Maintenance Plant Vogtle
 Name Address
 - Identification Of System 1208 / Chemical and Volume Control System
 - (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
 - 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)
1208 PIPING SYSTEM	PULLMAN POWER PRODUCTS	N/A	N/A	2K3-1208-116-01	1988	REPLACEMENT	YES

7. Description Of Work Installed replacement studs and nuts on piping flanges located at 2FE0111.

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 KR Roberts Mant Mgr Date 11/16 19 99
 Owner or Owner's Designee, Title

Handwritten: 11/17/99

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 10/21/99 to 12-02-99, 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.

Frank E. Ballain Jr Commissions GA 497
 Inspector's Signature National Board, State, Province and Endorsements

Date 12-02 19 99

ORIGINAL

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

As Required By The Provisions Of The ASME Code Section XI

Traveler # 99277

1. Owner Southern Nuclear Operating Company Date 11/22/99
Name 40 Inverness Center Parkway, Birmingham, AL Sheet 1 Of 1
2. Plant Vogtle Electric Generating Plant Unit 2
Address Waynesboro, GA 30830 MWO # 29902742
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)
1208 PIPING SYSTEM	PULLMAN POWER PRODUCTS	N/A	N/A	2J4-1208-037-01	1988	REPLACEMENT	YES

7. Description Of Work Installed replacement studs and nuts on piping flanges located at 2FE0156.

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 K.R. Adams Maint Mgr Date 11/24 19 99
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 10/24/99 to 12-02-99, 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 Frank Bellair Commissions GA 497
National Board, State, Province and Endorsements

Date 12-02 19 99

907
11/22/99

ORIGINAL

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

As Required By The Provisions Of The ASME Code Section XI

Traveler # 99278

1. Owner Southern Nuclear Operating Company Date 01/23/01
 Name 40 Inverness Center Parkway, Birmingham, AL Sheet 1 Of 1

2. Plant Vogtle Electric Generating Plant Unit 2
Waynesboro, GA 30830 MWO # 29902632
 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)
1208 PIPING SYSTEM	PULLMAN POWER PRODUCTS	N/A	N/A	2K3-1208-055-01	1989	REPLACEMENT	YES

7. Description Of Work Installed replacement studs and nuts on piping flanges at inlet to letdown reheat exchanger 2-1208-E6-007.

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 K.R. Johnson Maint Mgr Date 1/26 20 01
 Owner or Owner's Designee, Title

Dart
01/23/01

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 10/26/00 to 1-25-01, 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 1-25 20 01

ORIGINAL

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

As Required By The Provisions Of The ASME Code Section XI

Traveler # 99279

1. Owner Southern Nuclear Operating Company Date 04/06/01
Name 40 Inverness Center Parkway, Birmingham, AL Sheet 1 Of 1
2. Plant Vogtle Electric Generating Plant Unit 2
Address Waynesboro, GA 30830 MWO # 29902633
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 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)
HEAT EXCHANGER	JOSEPH OAT CORPORATION	2322-4B	1055	2-1208-E6-003	1978	REPLACEMENT	YES

7. Description Of Work Installed replacement studs and nuts on letdown heat exchanger head in accordance with MDC# 99-V2M062.

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] Date 4/10 20 01
Owner or Owner's Designee, Title Maint. Mgr.

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 10/27/00 to 4-12-01, 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 Ramon P. Hernandez Commissions GA167
National Board, State, Province and Endorsements

Date 4/12 20 01

ORIGINAL

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

As Required By The Provisions Of The ASME Code Section XI

Traveler # 99280

1. Owner Southern Nuclear Operating Company Date 12/08/99
Name 40 Inverness Center Parkway, Birmingham, AL
2. Plant Vogtle Electric Generating Plant Unit 2
Waynesboro, GA 30830 MWO # 29902741
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)
1208 PIPING SYSTEM	PULLMAN POWER PRODUCTS	N/A	N/A	2K4-1208-041-01	1988	REPLACEMENT	YES

7. Description Of Work Installed replacement studs and nuts on piping flanges at 2FE-0154.

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 KR Doherty Mant My Date 12/10 19 99
Owner or Owner's Designee, Title

OK
12/08/99

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 10/28/99 to 12-13-99, 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.
Frank J. Bellain Commissions GA497
Inspector's Signature National Board, State, Province and Endorsements
Date 12-13 19 99

ORIGINAL

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

As Required By The Provisions Of The ASME Code Section XI

Traveler # 99282

1. Owner Southern Nuclear Operating Company Date 11/08/99
Name 40 Inverness Center Parkway, Birmingham, AL Sheet 1 Of 1
2. Plant Vogtle Electric Generating Plant Unit 2
Address Waynesboro, GA 30830 MWO # 29903364
Repair Organization P.O. No., Job No., etc.
3. Work Performed by Nuclear Operations Maintenance Plant Vogtle
Name Address
4. Identification Of System 1501 / Containment Cooling 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)
1501 PIPING SYSTEM	PULLMAN POWER PRODUCTS	N/A	N/A	2V4-1501-038-01	1988	REPLACEMENT	YES

7. Description Of Work Installed replacement nut on cooler 2-1501-A7-008-000 outlet header flange saddle support.

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 KR Johnson Maint Mgr Date 11/10 19 99
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 11/08/99 to 11-18-99, 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.

Frank S. Bellais Commissions GA 497
Inspector's Signature National Board, State, Province and Endorsements

Date 11-18 19 99

ORIGINAL

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

As Required By The Provisions Of The ASME Code Section XI

Traveler # 99283

1. Owner Southern Nuclear Operating Company Date 11/08/99
40 Inverness Center Parkway, Birmingham, AL Sheet 1 Of 1
 Name
2. Plant Vogtle Electric Generating Plant Unit 2
Waynesboro, GA 30830 MWO # 29903363
 Address Repair Organization P.O. No., Job No., etc.
3. Work Performed by Nuclear Operations Maintenance Plant Vogtle
 Name Address
4. Identification Of System 1501 / Containment Cooling 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)
1501 PIPING SYSTEM	PULLMAN POWER PRODUCTS	N/A	N/A	2V4-1501-033-01	1988	REPLACEMENT	YES

7. Description Of Work Installed replacement nut on cooler 2-1501-A7-005-000 outlet header flange saddle support.

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 Frank E. Bellan Date 11/10 1999
 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 11/08/99 to 11-18-99, 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.

Frank E. Bellan Commissions GA 497
 Inspector's Signature National Board, State, Province and Endorsements

Date 11-18 19 99

ORIGINAL

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

As Required By The Provisions Of The ASME Code Section XI

Traveler # 99285

1. Owner Southern Nuclear Operating Company Date 03/09/00
Name 40 Inverness Center Parkway, Birmingham, AL Sheet 1 Of 1
2. Plant Vogtle Electric Generating Plant Unit 2
Address Waynesboro, GA 30830 MWO # 29903481
Repair Organization P.O. No., Job No., etc.
3. Work Performed by Nuclear Operations Maintenance Plant Vogtle
Name Address
4. Identification Of System 1217 / Auxiliary Component Cooling Water 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)
1217 PIPING SYSTEM	PULLMAN POWER PRODUCTS	N/A	N/A	2K3-1217-183-03	1987	REPAIR	YES

7. Description Of Work A weld on line 2-1217-183-1-1/2" had to be cut out and rewelded to facilitate piping installation under DCP 97-V2N0056. Pressure test performed in conjunction with Section XI Traveler# 99131 under WO# 29901685.

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 REPAIR 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 KR Harris Maint mgr Date 3/14 20 00
Owner or Owner's Designee, Title

DATA
03/09/00

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 11/16/99 to 04-06-00, 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 Frank A. Bellair Commissions GA 097
National Board, State, Province and Endorsements

Date 04-06 20 00

ORIGINAL

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

As Required By The Provisions Of The ASME Code Section XI

Traveler # 00015

1. Owner Southern Nuclear Operating Company Date 05/17/00
Name 40 Inverness Center Parkway, Birmingham, AL Sheet 1 Of 3
2. Plant Vogtle Electric Generating Plant Unit 2
Address Waynesboro, GA 30830 MWO # 20000132
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 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	CONTROL COMPONENTS INC.	23469-1-4	N/A	2PV-3030	1982	REPLACEMENT	YES

7. Description Of Work Valve plug was replaced. A copy of Form N-2 for the replacement valve 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 KR Walker Date 5/17 20 00
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 02/29/00 to 5-18-00, 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 Frank E. Bellair Jr Commissions GA 497
National Board, State, Province and Endorsements

Date 5-18 20 00

ORIGINAL

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

As Required By The Provisions Of The ASME Code Section XI

Traveler # 00087

1. Owner Southern Nuclear Operating Company Date 09/05/00
Name 40 Inverness Center Parkway, Birmingham, AL Sheet 1 Of 1
2. Plant Vogtle Electric Generating Plant Unit 2
Address Waynesboro, GA 30830 MWO # 20001127
Repair Organization P.O. No., Job No., etc.
3. Work Performed by Nuclear Operations Maintenance Plant Vogtle
Name Address
4. Identification Of System 2101 / Containment Building System
5. (a) Applicable Construction Code ASME SEC III 1975 Edition, Winter 1975 Addenda, N/A Code Case
(b) Applicable Edition of Section XI Utilized For Repairs Or Replacements 1992
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)
CONTAINMENT BUILDING	WALSH CONSTRUCTION CO.	N/A	N/A	2-2101-CNMTBLDG	1988	REPLACEMENT	NO

7. Description Of Work Concrete was replaced around the grease vents.

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 KR Johnson Maint. Mgr. Date 9/14/00 20 00
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 06/21/00 to 9-18-00, 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 9-18 20 00

DATA
09-13-00

ORIGINAL

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

As Required By The Provisions Of The ASME Code Section XI

Traveler # 00090

1. Owner Southern Nuclear Operating Company Date 02/08/01
Name 40 Inverness Center Parkway, Birmingham, AL Sheet 1 Of 1
2. Plant Vogtle Electric Generating Plant Unit 2
Address Waynesboro, GA 30830 MWO # 20001032
Repair Organization P.O. No., Job No., etc.
3. Work Performed by Nuclear Operations Maintenance Plant Vogtle
Name Address
4. Identification Of System 1902 / Waste Processing System - Gas
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)
HEAT EXCHANGER	AMETEK SCHUTTE & KOERTING DIV.	78H-104	255	2-1902-C6-002	1978	REPLACEMENT	YES

7. Description Of Work Installed replacement studs and nuts on heat exchanger head.

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 PK Holmes Maint Mgr Date 2/9 20 01
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 07/18/00 to 2-13-01, 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 2-13 20 01

ORIGINAL

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

As Required By The Provisions Of The ASME Code Section XI

Traveler # 00139

1. Owner Southern Nuclear Operating Company Date 04/03/01
 Name 40 Inverness Center Parkway, Birmingham, AL Sheet 1 Of 1

2. Plant Vogtle Electric Generating Plant Unit 2
 Address Waynesboro, GA 30830 MWO # 20001879
 Repair Organization P.O. No., Job No., etc.

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

4. Identification Of System 1202 / Nuclear Service Cooling Water System

5. (a) Applicable Construction Code ASME SEC 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)
RELIEF VALVE	CROSBY	N67951-00-0001	N/A	2PSV-11746	1984	REPLACEMENT	YES

7. Description Of Work Relief valve S/N N67951-00-0007 was removed for inservice testing and was replaced by relief valve S/N N67951-00-0001. Relief valve S/N 67951-00-0001 was originally installed as 1PSV-11744, removed under MWO# 10001472 and returned to warehouse stock as a spare.

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] Date 4/3/2001 20 01
 Owner or Owner's Designee, Title Maint. Mgr.

Dak
04/03/01

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 11/02/00 to 4-8-01, 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.

Ramon P. Valladares Commissions GA167
 Inspector's Signature National Board, State, Province and Endorsements

Date 4-8-01 20 01

ORIGINAL

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

As Required By The Provisions Of The ASME Code Section XI

Traveler # 00141

1. Owner Southern Nuclear Operating Company Date 02/21/01
Name 40 Inverness Center Parkway, Birmingham, AL Sheet 1 Of 1
2. Plant Vogtle Electric Generating Plant Unit 2
Address Waynesboro, GA 30830 MWO # 20001880
Repair Organization P.O. No., Job No., etc.
3. Work Performed by Nuclear Operations Maintenance Plant Vogtle
Name Address

4. Identification Of System 1202 / Nuclear Service Cooling Water System
5. (a) Applicable Construction Code ASME SEC 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)
RELIEF VALVE	CROSBY	N67951-00-0006	N/A	2PSV-11752	1984	REPLACEMENT	YES

7. Description Of Work Relief valve S/N N67936-00-0003 was removed for inservice testing and was replaced by relief valve S/N N67936-00-0006. Relief valve S/N 67936-00-0006 was originally installed as 1PSV-11752, removed under MWO# 10000136, and returned to warehouse stock as a spare.

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] Date 2/21 20 01
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 11/16/00 to 2-22-01, 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 2-22 20 01

ORIGINAL

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

As Required By The Provisions Of The ASME Code Section XI

Traveler # 00157

1. Owner Southern Nuclear Operating Company Date 04/06/01
Name 40 Inverness Center Parkway, Birmingham, AL Sheet 1 Of 1
2. Plant Vogtle Electric Generating Plant Unit 2
Address Waynesboro, GA 30830 MWO # 29902633
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)
1208 PIPING SYSTEM	PULLMAN POWER PRODUCTS	N/A	N/A	2K3-1208-055-01 2K3-1208-066-01	1989	REPLACEMENT	YES

7. Description Of Work Installed replacement studs and nuts on piping flanges at the tube side inlet and outlet to letdown exchanger 2-1208-E6-003.
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 James W. N. Maint. Mgr. Date 4/6 20 01
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 12/06/00 to 04-07-01, 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.

Ramon P. Valladares Commissions GA167
Inspector's Signature National Board, State, Province and Endorsements

Date 4-7-01 20 01

ORIGINAL

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

Traveler # 00193

1. Owner Southern Nuclear Operating Company Date 02/09/01
Name 40 Inverness Center Parkway, Birmingham, AL Sheet 1 Of 3
2. Plant Vogtle Electric Generating Plant Unit + 2 *Dick 05/31/01*
Address Waynesboro, GA 30830 MWO # 20000453
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 SEC III 1974 Edition, Summer 1974 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)
HEAT EXCHANGER	SENTRY EQUIPMENT CORP.	786103	1279	X-1204-P6-003-2 M01 <i>Dick 05/31/01</i>	1978	REPLACEMENT	YES
HEAT EXCHANGER	SENTRY EQUIPMENT CORP.	786104	1280	X-1204-P6-003-2 M01 <i>Dick 05/31/01</i>	1978	REPLACEMENT	YES

7. Description Of Work Installed replacement water boxes (plenums) on motor heat exchangers per REA 98-VAA600. Copy of Form N-2 for the replacement water boxes is attached S/N 1279-1, 1279-2, 1280-1 and 1280-2. The bolts on these heat exchangers were also replaced.

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/ACertificate of Authorization No. N/A Expiration Date N/ASigned K.R. Lohoez Maint Mgr Date 2/13 20 01
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 12/15/00 to 2-19-01, 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 2-19 20 01

*Dick
02/09/01*

ORIGINAL

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

As Required By The Provisions Of The ASME Code Section XI

Traveler # 01003

1. Owner Southern Nuclear Operating Company Date 03/01/01
Name
40 Inverness Center Parkway, Birmingham, AL Sheet 1 Of 3
2. Plant Vogtle Electric Generating Plant Unit 2
Address Waynesboro, GA 30830 MWO # 20000451
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 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)
HEAT EXCHANGER	SENTRY EQUIPMENT CORP.	78100	1276	2-1208-P6-002-M01	1978	REPLACEMENT	YES
HEAT EXCHANGER	SENTRY EQUIPMENT CORP.	78101	1277	2-1208-P6-002-M01	1978	REPLACEMENT	YES

7. Description Of Work Installed replacement water boxes (plenums) on motor heat exchangers per REA 98-VAA600. Copy of Form N-2 for the replacement water boxes is attached S/N 1276-1, 1276-2, 1277-1 and 1277-2.

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 Don F. Lippert MAINT. SUPV Date March 6 2001
Owner or Owner's Designee, Title 757 6/6/01 757 6/6/01

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 01/09/01 to 3-8-01, 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 3-8 20 01

ORIGINAL

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

Traveler # 01011

1. Owner Southern Nuclear Operating Company Date 04/03/01
 Name 40 Inverness Center Parkway, Birmingham, AL Sheet 1 Of 3
2. Plant Vogtle Electric Generating Plant Unit #2 Part 05/31/01
 Address Waynesboro, GA 30830 MWO # 20000454
 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 SEC III 1974 Edition, Summer 1974 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)
HEAT EXCHANGER	SENTRY EQUIPMENT CORP.	786102	1278	#1204-P6-004-M01 2 Part 05/31/01	1978	REPLACEMENT	YES
HEAT EXCHANGER	SENTRY EQUIPMENT CORP.	786105	1281	#1204-P6-004-M01 2 Part 05/31/01	1978	REPLACEMENT	YES

7. Description Of Work Installed replacement water boxes (plenums) on motor heat exchangers per REA 98-VAA600. Copy of Form N-2 for the replacement water boxes is attached S/N 1278-1, 1278-2, 1281-1 and 1281-2.

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 J. D. W. Maint. Mgr. Date 4/3 20 01
 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 01/29/01 to 4-7-01, 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.

Ramon P. Madanes Commissions GA167
 Inspector's Signature National Board, State, Province and Endorsements

Date 4-7-01 20 01

sent 04/05/01