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Nuclear Licensing Director

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July 20, 2012

Docket Nos.: 50-348

NL-12-1499

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

**Joseph M. Farley Nuclear Plant – Unit 1
Refueling Outage 1R24 Inservice Inspection Report**

Ladies and Gentlemen:

Southern Nuclear Operating Company (SNC) submits the Joseph M. Farley Nuclear Plant (FNP) - Unit 1, Interval 4, Period 2, Outage 1 Inservice Inspection Report (Enclosure). This report describes and summarizes the inservice inspection activities performed during the spring 2012 maintenance/refueling outage. Paragraph IWA-6240 of the American Society of Mechanical Engineers (ASME) Boiler and Pressure Vessel Code, Section XI, 2001 Edition with addenda through 2003, requires submittal of the enclosed report.

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

This letter contains no NRC commitments. If you have any questions, please contact Lesa Hill at (205) 992-5727.

Sincerely,

A handwritten signature in black ink, appearing to read "Mark J. Ajluni".

M. J. Ajluni
Nuclear Licensing Director

MJA/RMJ/lac

Enclosure: Joseph M. Farley Nuclear Plant - Unit 1, Inservice Inspection Report,
Refueling Outage 1R24, Owners Report

U. S. Nuclear Regulatory Commission

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cc: Southern Nuclear Operating Company

Mr. S. E. Kuczynski, Chairman, President & CEO

Mr. D. G. Bost, Executive Vice President & Chief Nuclear Officer

Mr. T. A. Lynch, Vice President – Farley

Mr. B. L. Ivey, Vice President – Regulatory Affairs

Mr. B. J. Adams, Vice President – Fleet Operations

RTYPE: CFA04.054

U. S. Nuclear Regulatory Commission

Mr. V. M. McCree, Regional Administrator

Mr. R. E. Martin, NRR Project Manager – Farley

Mr. E. L. Crowe, Senior Resident Inspector – Farley

Joseph M. Farley Nuclear Plant – Unit 1
Refueling Outage 1R24 Inservice Inspection Report

Enclosure

Joseph M. Farley Nuclear Plant - Unit 1
Inservice Inspection Report
Refueling Outage 1R24
Owners Report

INSERVICE INSPECTION REPORT

REFUELING 24

INTERVAL 4

PERIOD 2

OUTAGE 1

J.M. FARLEY UNIT 1

NUCLEAR PLANT

Hwy 95 South

COLUMBIA, ALABAMA 36319

**Southern Nuclear Operating
Company**

**40 Inverness Center Parkway
Birmingham, Alabama 35242**

**Volume 1
Owners Report**

INSERVICE INSPECTION REPORT

REFUELING 24

INTERVAL 4

PERIOD 2

OUTAGE 1

J.M. FARLEY UNIT 1

NUCLEAR PLANT

Hwy 95 South

COLUMBIA, ALABAMA 36319

Commercial Service Date: December 1, 1977

**Southern Nuclear Operating
Company**

**40 Inverness Center Parkway
Birmingham, Alabama 35242**

FNP 1R24 FINAL REPORT INDEX

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VOLUME 1

CONTAINS THE INFORMATION TO MEET THE REQUIREMENTS OF ASME CODE 2001 EDITION, 2003 ADDENDA, SECTION XI, SUBSECTION IWA-6230 FOR SUBMITTAL OF A SUMMARY REPORT TO THE NRC FOLLOWING EACH REFUELING OUTAGE.

VOLUMES 2 AND 3

CONTAINS THE SUPPORTING DOCUMENTATION FOR THE EXAMINATIONS PERFORMED (RETAINED ON SITE BY FNP)

VOLUME 4

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

TAB A

FORM NIS-1 OWNER'S REPORT FOR INSERVICE INSPECTION

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

1. Owner Southern Nuclear Operating Company
40 Inverness Center Parkway
Birmingham, AL. 35242 (as agent for Alabama Power Co.)
(Name and Address of Owner)
2. Plant J. M. Farley Nuclear Plant
Hwy 95 South
Columbia, AL. 36319
(Name and Address of Plant)
3. Plant Unit 1
4. Owner Certificate of Authorization (if required) N/A
5. Commercial Service Date 12/01/77
6. National Board Number for Unit see listed N. B. for each component
7. Components Inspected

| Component or Appurtenance | Manufacturer or Installer | Manufacturer or Installer Serial No. | State or Province No. | National Board No. |
|---------------------------|---------------------------|--------------------------------------|-----------------------|--------------------|
| Reactor Vessel | Combustion Engineering | CE 69105 | N/A | 21385 |
| Pressurizer | Westinghouse Tampa | 1561 | N/A | W10793 |
| Steam Gen C | Westinghouse Pensacola | ALAD-40309 | N/A | 75 |
| Class 1 Piping | Daniel Construction | N/A | N/A | N/A |
| Class 2 Piping | Daniel Construction | N/A | N/A | N/A |
| | | | | |

8. Examination Dates 11/15/10 to 04/30/12
9. Inspection Period Identification: Second Period 11/30/10 to 11/30/14
10. Inspection Interval Identification: Fourth Interval 12/01/07 to 11/30/17
11. Applicable Edition of Section XI 2001 Addenda 2003
12. Date/Revision of Inspection Plan: Volume 1 – 09/02/11, Version 7; Volume 2 – 03/21/12, Version 6; Volume 3 – 07/27/11, Version 3; Volume 6 – 11/17/11, Version 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 Tabs B and C
14. Abstract of Results of Examinations and Tests. See Tab B
15. Abstract of Corrective Measures. See Tab B

FORM NIS-1

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

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 16 July 2012 Signed Southern Nuclear Operating Co. By John G Horn
(Owner) 7-17-12

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 HSB-CT of Hartford, Connecticut have inspected the components described in this Owner's Report during the period 03/09/12 to 07/13/2012, 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 by 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.

[Signature] Commissions NB12603A1N, GA690
Inspector's Signature National Board, State, Province, and Endorsements

Date 07/17 20 12

**OWNER'S REPORT
FOR
INSERVICE INSPECTION**

DATE: 7/11/12

OWNER NAME AND ADDRESS: Southern Nuclear Operating Co.
40 Inverness Parkway
Birmingham, Alabama 35242
(as agent for Alabama Power Co.)

**NAME AND ADDRESS OF
NUCLEAR GENERATING PLANT:** Joseph M. Farley Nuclear Plant
Highway 95 South
Columbia, Alabama 36319

**NAME ASSIGNED TO NUCLEAR
POWER UNIT:** Joseph M. Farley Nuclear Plant
Unit 1

**OWNER CERTIFICATE OF
AUTHORIZATION:** N/A

COMMERCIAL SERVICE DATE: 12/01/1977

NATIONAL BOARD NUMBER: See listed NB's for each component

**NAME OF COMPONENTS OR PARTS OF
COMPONENTS INVOLVED:** Representative samples of the following
components and systems were examined using
nondestructive examination techniques.

CLASS 1

| COMPONENT OR SYSTEM | SYSTEM DESIGNATION | ALA SKETCH |
|-----------------------------|-----------------------|--|
| Reactor Vessel | B11 | 1-1100, 1-1200 |
| Reactor Coolant System | B13 | 1-4100, 1-4101, 1-4103, 1-4104, 1-4204, 1-4205, 1-4300, 1-4301, 1-4304, |
| Steam Generator C | B21 | 1-3300 |
| Pressurizer | B31 | 1-2100 |
| Reactor Coolant Pump B | B41 | 1-5200 |
| Safety Injection System | E11 | 1-4202, 1-4203, |
| Chemical and Volume Control | E21 | 1-4207 |
| Safety Injection System | E21 | 1-4200, 1-4204, 1-4208, 1-4209, 1-4305, 1-4505 |

CLASS 2

| COMPONENT OR SYSTEM | SYSTEM DESIGNATION | ALA SKETCH |
|-----------------------------|---------------------------|--|
| Steam Generator C | B21 | 2-3300 |
| Chemical and Volume Control | E21 | 2-4513, 2-4527 |
| Containment Spray | E13 | 2-5150 |
| Feedwater | N21 | 2-4150 |
| Main Steam System | N11 | 2-4201, 2-4500 |
| RHR System | E11 | 2-4501, 2-4502, 2-4504, 2-4506, 2-4514, 2-4515, 2-4517, |
| Safety Injection | E21 | 2-4604, 2-4605, 2-4612, 2-4625, 2-4632, 2-4630, 2-4634, 2-4635 |

HYDROSTATIC TESTING: SEE TAB B

NAME OF AUTHORIZED NUCLEAR INSERVICE INSPECTOR: Rodney Senn

**NAME AND MAILING ADDRESS
OF INSPECTOR'S EMPLOYER:**

Hartford Steam Boiler Inspection and
Insurance Company of Connecticut
One State Street
Hartford, CT 06103

ABSTRACT: SEE TAB B

TAB B

BALANCE OF PLANT EXAMINATION SUMMARY

J. M. FARLEY NUCLEAR PLANT UNIT NO 1 INTERVAL 4 PERIOD 2 OUTAGE 1 BALANCE OF PLANT EXAMINATION SUMMARY

INTRODUCTION

The ASME Boiler and Pressure Vessel Code, Section XI, 2001 Edition (Code), 2003 Addenda, is the applicable code for conducting inservice inspection activities during the fourth ten-year inspection interval at Farley Unit 1. Examinations and tests required by the Code are scheduled in accordance with "Inspection Program B" as defined in Code paragraphs IWB-2412 and IWC-2412. This "Owner's Report for Inservice Inspection" is for those second inspection period examinations and tests which were performed between November 30, 2010 (date of last examination performed during the twenty-third maintenance/refueling outage, 1R23 / 4-1-2) and April 30, 2012 (date of last examination performed during the twenty-fourth maintenance/refueling outage, 1R24 / 4-2-1). Farley received approval for FNP-ISI-ALT-01 to start the fourth ISI interval on December 1, 2007.

The examinations were performed in accordance with the approved Outage Plan. The primary areas of examination included Pressurizer and Steam Generator dissimilar metal welds and various Class 1 and Class 2 piping welds and supports. The tables documenting the Class 1 and 2 vessel and piping examinations as well as component supports examined are under Tab C of this report.

Farley Nuclear Plant has implemented ASME Section XI, Appendix VIII, "Performance Demonstration for Ultrasonic Examination Systems," as required by 10CFR 50.55a, amended by the *Federal Register* Notices 64 FR 51370 dated September 22, 1999, as later modified by 69 FR58804, dated October 1, 2004. The 2004 Rule incorporated the 2001 Edition with NRC caveats. Farley has, except where requests for relief, technical alternatives or exemptions have been approved, complied with the requirements for expedited implementation of the applicable Appendix VIII supplements using the EPRI Performance Demonstration Initiative (PDI).

In addition to the summary of inservice inspection activities, this report addresses Code-applicable repairs and replacements documented at FNP-1 since 1R23 through the end of 1R24. Class 1 and Class 2 Owner's Reports for Repairs or Replacements (Form NIS-2) are provided herein.

It should be noted that an arrangement with an Authorized Inspection Agency was provided for those examinations and tests required by the Code. ASME Section XI examinations and tests are itemized in the applicable sections by reference to Examination Category. Examinations which do not meet the Code-required coverage either reference request(s) for relief or indicate that additional relief is required.

This report does include a summary of the Steam Generator Tube Inspections activities which are required per FNP Technical Specification 5.6.10. A more detailed report will be provided one hundred eighty (180) days after the initial entry into MODE 4 following completion of an inspection performed in accordance with Technical Specification 5.5.9. There were no Steam Generator tube inspections performed during the 24th refueling outage.

RESULTS

Certain examinations resulted in recordable indication areas being noted on the basis of procedure recording criteria, which generally are more conservative than specified in the ASME Section XI Acceptance Standards. Indications were evaluated and dispositioned by Indication Evaluation Reports (IER's). A listing of IER's is attached and the data sheets are available at FNP for review. The results are summarized below.

SUMMARY OF INDICATIONS

CLASS 1

(A) VOLUMETRIC EXAMINATIONS

- There were no reportable Class 1 Volumetric indications.
- Fourteen (14) class 1 welds had limited volumetric coverage during UT examinations because of physical limitations due to the geometric configuration of the welded areas. More than ninety percent (90%) of the required volume must be examined as addressed in ASME Section XI Code Case N-460 for adequate ASME Section XI Code-required examination coverage to be attained. As noted herein, the subject code case has been approved by the NRC for use as documented in NRC Regulatory Guide 1.147. It is impractical to achieve the ASME Section XI Code-required coverage due to the geometric configuration of the welded areas. These limited examinations will be submitted to the NRC through the relief request process as allowed by 10 CFR 50.55a.

(B) SURFACE EXAMINATIONS

- There were no reportable Class 1 Surface indications.

(C) VISUAL EXAMINATIONS

- There was one (1) reportable Class 1 Visual indication. See IER-003.
- There were 4 bolted connections from the Class 1 pressure tests with various degrees of boron accumulation. In each case the boron was removed and either an evaluation or a re-examination found each one acceptable.

CLASS 2

(A) VOLUMETRIC EXAMINATIONS

- There were no reportable Class 2 Volumetric indications.
- No class 2 welds had limited volumetric coverage during UT examinations because of physical limitations due to the geometric configuration of the welded areas.

(B) SURFACE EXAMINATIONS

- There were no reportable Class 2 Surface indications.

(C) VISUAL EXAMINATIONS

- There was one (1) reportable Class 2 Visual indication. See IER-002.

ADDITIONAL EXAMINATIONS

The following is a summary of additional examinations which were performed during this outage in accordance with the 2001 Edition, 2003 Addenda of ASME Section XI:

- **Class 1 System Leakage Testing**

In accordance with IWB-5210(a), a system leakage test of the Class 1 Reactor Coolant System Pressure Boundary was performed prior to startup following the 24th refueling outage. In addition, to meet the requirements of IWB-5222(b), the boundary of this system leakage test was extended to include all Class 1 pressure retaining components. This testing was completed on 04/24/2012. There were 17 recorded indications of leakage. In each case, the boron was removed and necessary corrective actions were taken. The results of this testing is documented in FNP-1-STP-156.2, under Work Order, WO:SNC343124).

To meet the requirements of IWA-5242(a), insulation was removed from required insulated Class 1 pressure retaining bolted connections for VT-2 visual examination after the system was depressurized. There was a total of total of 4 pressure retaining bolted connections which had some degree of boron accumulation. In each case, the boron was removed and any necessary correction actions were taken. The results of this testing is also documented in FNP-1-STP-156.2, under Work Order, SNC343124).

- **Class 2 System Leakage Testing**

In accordance with IWC-5210(a), system leakage testing was performed during the 24th refueling outage on portions of the following systems: Residual Heat Removal, Chemical and Volume Control, Safety Injection, Main Steam, Main Feedwater, Auxiliary Feedwater, and Containment Spray. There were 36 recorded indications associated with these tests. In each case, necessary corrective action was performed. The results of this testing is documented in FNP-1-STP-156.1, under Work Order, SNC62237.

- **IWE/IWL Examinations**

Visual examination of the RPV cavity revealed areas of blistering and discolored coating which required enhanced examination. The damaged coating was removed and the containment liner in those areas was visually and ultrasonically examined to verify the integrity of the containment liner. The nominal wall thickness was verified and was determined to be within specifications prior to the coating being reapplied.

SNC received a green non-cited violation for not including the leak-chase test ports in the scope of the IWE examinations for containment moisture barriers. Previously, SNC had understood the containment moisture barrier to be the caulking material that was placed at the interface of the containment liner and the working floor (concrete slab on 105' elevation at Farley Nuclear Plant) as depicted in Figure IWE-2500-1. The NRC interprets the term "moisture barrier" more generally to include any interface that has the potential to provide a leak path to the containment liner below the concrete. Under this interpretation the leak chase test ports will be added to the IWE inspection plan, categorized as part of the moisture barrier.

- **Steam Generator Inspection Summary**

Steam generator tube inspections were not required to be performed during 1R24 as allowed by Technical Specification 5.5.9.d. The most recent steam generator tube inspections were performed in 1R23. The 1R23 Operational Assessment expects the steam generator tube performance criteria will be met until the next eddy current inspection is performed in 1R26.

STATUS OF EXAMINATIONS REQUIRED FOR CURRENT INTERVAL

This 1R24 Outage was the 1st Outage, 2nd Period of the 4th Interval. The results from this outage, combined with the “scheduled” examinations from the next refueling outage (1R25, Fall 2013) will represent 100% of the total Class 1 and 2 scope for the current period and interval. Farley Unit 1 is within ASME Code compliance, pending NRC approval of the volumetric and/or surface examination limitations. Requests for relief will be submitted within the required time frame specified by 10 CFR 50.55a. See Table 1 for completion percentages.

- **Applicable Code Cases**

The applicable Code Cases for the 1R24 Outage included:

| | | |
|---------|-------|-------|
| N-552 | N-663 | N-460 |
| N-648-1 | N-700 | |

**Farley Unit 1
1R24 Outage
Completion Percentages**

| Cat. | Item No. | Code Case / ALT | Population | Percent of Population Required To Be Examined | Total Exams Required During 4 th Interval | No. of Exams Completed | | | | % of Total Exams Completed for Interval |
|--------|----------|-----------------|------------|---|--|------------------------|-----------------------|-----------------------|-----------------------|---|
| | | | | | | 1R24 | Period 1 1R22/1R23 | Period 2 1R24/1R25 | Period 3 1R26/1R27 | |
| B-A | B1.11 | ALT-09 | 3 | 100 | 3 | 0 | 0 | 0 | 0 | 0 |
| B-A | B1.12 | ALT-09 | 4 | 100 | 4 | 0 | 0 | 0 | 0 | 0 |
| B-A | B1.21 | ALT-09 | 2 | 100 | 2 | 0 | 0 | 0 | 0 | 0 |
| B-A | B1.22 | ALT-09 | 6 | 100 | 6 | 0 | 0 | 0 | 0 | 0 |
| B-A | B1.30 | ALT-09 | 1 | 100 | 1 | 0 | 0 | 0 | 0 | 0 |
| Total: | | | 16 | | 16 | 0 | 0 | 0 | 0 | 0 |
| | | | | | | | | | | |
| B-B | B2.11 | | 2 | 100 | 2 | 0 | 1 | 0 | 0 | 50 |
| B-B | B2.12 | | 2 | 100 | 2 | 0 | 1 | 0 | 0 | 50 |
| B-B | B2.40 | | 3 | 33.33 | 1 | 1 | 0 | 1 | 0 | 100 |
| Total: | | | 7 | | 5 | 1 | 2 | 1 | 0 | 60 |
| | | | | | | | | | | |
| B-D | B3.100 | N-648-1 | 6 | 100 | 6 | 0 | 0 | 0 | 0 | 0 |
| B-D | B3.110 | | 6 | 100 | 6 | 4 | 1 | 4 | 0 | 83 |
| B-D | B3.120 | | 6 | 100 | 6 | 4 | 1 | 4 | 0 | 83 |
| B-D | B3.140 | | 6 | 100 | 6 | 0 | 2 | 0 | 0 | 33 |
| B-D | B3.90 | ALT-09 | 6 | 100 | 6 | 0 | 0 | 0 | 0 | 0 |
| Total: | | | 30 | | 30 | 8 | 4 | 8 | 0 | 40 |
| | | | | | | | | | | |
| B-F | B5.70 | N-663 | 6 | 100 | 6 | 2 | 1 | 2 | 0 | 50 |
| Total: | | | 6 | | 6 | 2 | 1 | 2 | 0 | 50 |
| | | | | | | | | | | |
| B-G-1 | B6.10 | | 1 | 100 | 1 | 0 | 1 | 0 | 0 | 100 |
| B-G-1 | B6.180 | | 3 | 33.33 | 1 | 0 | 1 | 0 | 0 | 100 |
| B-G-1 | B6.190 | | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| B-G-1 | B6.20 | | 1 | 100 | 1 | 0 | 1 | 0 | 0 | 100 |
| B-G-1 | B6.40 | | 1 | 100 | 1 | 0 | 0 | 0 | 0 | 0 |
| B-G-1 | B6.50 | | 1 | 100 | 1 | 0 | 1 | 0 | 0 | 100 |
| Total: | | | 10 | | 5 | 0 | 4 | 0 | 0 | 80 |
| | | | | | | | | | | |

**Farley Unit 1
1R24 Outage
Completion Percentages**

| Cat. | Item No. | Code Case / ALT | Population | Percent of Population Required To Be Examined | Total Exams Required During 4 th Interval | No. of Exams Completed | | | | % of Total Exams Completed for Interval |
|--------|-----------|-----------------|------------|---|--|------------------------|-----------------------|-----------------------|-----------------------|---|
| | | | | | | 1R24 | Period 1 1R22/1R23 | Period 2 1R24/1R25 | Period 3 1R26/1R27 | |
| B-G-2 | B7.20 | | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| B-G-2 | B7.30 | | 6 | 0 | 0 | 0 | 6 | 0 | 0 | 0 |
| B-G-2 | B7.50 | | 9 | 33.33 | 2 | 0 | 4 | 0 | 0 | 100 |
| B-G-2 | B7.60 | | 3 | 0 | 0 | 0 | 1 | 0 | 0 | 0 |
| B-G-2 | B7.70 | | 24 | 25 | 1 | 0 | 1 | 0 | 0 | 100 |
| Total: | | | 43 | | 3 | 0 | 12 | 0 | 0 | 333 |
| | | | | | | | | | | |
| B-J | B9.11 | N-663 | 360 | 25 | 90 | 28 | 22 | 28 | 0 | 64 |
| B-J | B9.21 | | 55 | 25 | 14 | 3 | 7 | 3 | 0 | 71 |
| B-J | B9.31 | | 14 | 25 | 4 | 0 | 0 | 0 | 0 | 25 |
| B-J | B9.32 | | 24 | 25 | 6 | 0 | 2 | 0 | 0 | 50 |
| B-J | B9.40 | | 244 | 25 | 61 | 2 | 8 | 2 | 0 | 23 |
| Total: | | | 697 | | 175 | 33 | 39 | 33 | 0 | 49.1 |
| | | | | | | | | | | |
| B-K | B10.10 | | 1 | 100 | 1 | 0 | 1 | 0 | 0 | 100 |
| B-K | B10.10(R) | N-700 | 3 | 33.33 | 1 | 0 | 0 | 0 | 0 | 100 |
| B-K | B10.20 | | 37 | 12 | 4 | 0 | 1 | 0 | 0 | 50 |
| Total: | | | 41 | | 6 | 0 | 2 | 0 | 0 | 66.6 |
| | | | | | | | | | | |
| B-L-2 | B12.20 | | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total: | | | 3 | | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | | | | | | |
| B-M-2 | B12.50(1) | | 4 | 25 | 1 | 0 | 1 | 0 | 0 | 100 |
| B-M-2 | B12.50(2) | | 6 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| B-M-2 | B12.50(3) | | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| B-M-2 | B12.50(4) | | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| B-M-2 | B12.50(5) | | 6 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total: | | | 24 | | 1 | 0 | 1 | 0 | 0 | 100 |
| | | | | | | | | | | |
| B-N-1 | B13.10 | | 1 | 100 | 1 | 1 | 1 | 1 | 0 | 100 |

**Farley Unit 1
1R24 Outage
Completion Percentages**

| Cat. | Item No. | Code Case / ALT | Population | Percent of Population Required To Be Examined | Total Exams Required During 4 th Interval | No. of Exams Completed | | | | % of Total Exams Completed for Interval |
|--------|-----------|-----------------|------------|---|--|------------------------|-----------------------|-----------------------|-----------------------|---|
| | | | | | | 1R24 | Period 1 1R22/1R23 | Period 2 1R24/1R25 | Period 3 1R26/1R27 | |
| Total: | | | 1 | | 1 | 1 | 1 | 1 | 0 | 100 |
| B-N-2 | B13.60 | | 4 | 100 | 4 | 0 | 0 | 0 | 0 | 0 |
| Total: | | | 4 | | 4 | 0 | 0 | 0 | 0 | 0 |
| B-N-3 | B13.70 | | 1 | 100 | 1 | 0 | 0 | 0 | 0 | 0 |
| Total: | | | 1 | | 1 | 0 | 0 | 0 | 0 | 0 |
| B-O | B14.10(1) | | 38 | 18.3 | 7 | 0 | 0 | 0 | 0 | 0 |
| Total: | | | 38 | | 7 | 0 | 0 | 0 | 0 | 0 |
| C-A | C1.20 | | 3 | 33.33 | 1 | 0 | 0 | 0 | 0 | 0 |
| C-A | C1.30 | | 3 | 33.33 | 1 | 1 | 0 | 1 | 0 | 100 |
| Total: | | | 6 | | 2 | 1 | 0 | 1 | 0 | 50 |
| C-B | C2.21 | | 3 | 33.33 | 1 | 0 | 0 | 0 | 0 | 0 |
| C-B | C2.22 | | 3 | 33.33 | 1 | 1 | 0 | 1 | 0 | 100 |
| Total: | | | 6 | | 2 | 1 | 0 | 1 | 0 | 50 |
| C-C | C3.10 | | 6 | 16.66 | 1 | 0 | 0 | 0 | 0 | 0 |
| C-C | C3.20 | | 210 | 10.1 | 21 | 3 | 8 | 3 | 0 | 67 |
| C-C | C3.30 | | 12 | 10 | 1 | 0 | 0 | 0 | 0 | 0 |
| Total: | | | 228 | | 23 | 3 | 8 | 3 | 0 | 60.8 |
| C-F-1 | C5.11 | N-663 | 876 | 7.5 | 66 | 24 | 6 | 24 | 0 | 45 |
| C-F-1 | C5.21 | | 402 | 7.5 | 30 | 13 | 1 | 13 | 0 | 47 |
| C-F-1 | C5.30 | | 338 | 7.5 | 25 | 8 | 13 | 8 | 0 | 84 |
| C-F-1 | C5.41 | | 18 | 7.5 | 1 | 0 | 1 | 0 | 0 | 100 |
| Total: | | | 1634 | | 122 | 6 | 21 | 45 | 0 | 54 |

**Farley Unit 1
1R24 Outage
Completion Percentages**

| Cat. | Item No. | Code Case / ALT | Population | Percent of Population Required To Be Examined | Total Exams Required During 4 th Interval | No. of Exams Completed | | | | % of Total Exams Completed for Interval |
|--------|-----------|-----------------|------------|---|--|------------------------|-----------------------|-----------------------|-----------------------|---|
| | | | | | | 1R24 | Period 1 1R22/1R23 | Period 2 1R24/1R25 | Period 3 1R26/1R27 | |
| C-F-2 | C5.51 | N-663 | 210 | 11.9 | 25 | 2 | 5 | 2 | 0 | 64 |
| C-F-2 | C5.60 | | 12 | 8.33 | 1 | 0 | 0 | 0 | 0 | 0 |
| C-F-2 | C5.81 | | 24 | 8.33 | 2 | 0 | 1 | 0 | 0 | 100 |
| Total: | | | 246 | | 28 | 2 | 6 | 2 | 0 | 64.2 |
| | | | | | | | | | | |
| D-A | D1.10 | | 9 | 44 | 4 | 1 | 0 | 1 | 0 | 50 |
| D-A | D1.20 | | 295 | 11.5 | 34 | 0 | 9 | 0 | 0 | 53 |
| Total: | | | 304 | | 38 | 1 | 9 | 1 | 0 | 52.6 |
| | | | | | | | | | | |
| F-A | F1.10A(1) | | 7 | 25 | 2 | 1 | 0 | 1 | 0 | 50 |
| F-A | F1.10B(1) | | 56 | 26 | 15 | 3 | 5 | 3 | 0 | 60 |
| F-A | F1.10C(1) | | 31 | 25 | 8 | 2 | 3 | 2 | 0 | 63 |
| F-A | F1.10D(1) | | 65 | 27 | 18 | 7 | 6 | 7 | 0 | 72 |
| F-A | F1.10E(1) | | 41 | 24 | 10 | 2 | 4 | 2 | 0 | 70 |
| F-A | F1.10F(1) | | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| F-A | F1.10S(1) | | 54 | 27 | 15 | 2 | 7 | 2 | 0 | 73 |
| F-A | F1.20A(1) | | 63 | 15 | 9 | 2 | 3 | 2 | 0 | 56 |
| F-A | F1.20B(1) | | 139 | 14 | 19 | 7 | 6 | 7 | 0 | 68 |
| F-A | F1.20C(1) | | 17 | 28 | 5 | 2 | 0 | 2 | 0 | 60 |
| F-A | F1.20D(1) | | 138 | 15.7 | 22 | 6 | 6 | 6 | 0 | 59 |
| F-A | F1.20E(1) | | 81 | 15 | 12 | 5 | 5 | 2 | 0 | 67 |
| F-A | F1.20F(1) | | 27 | 14.8 | 4 | 2 | 1 | 2 | 0 | 75 |
| F-A | F1.20G(1) | | 14 | 20 | 3 | 0 | 3 | 0 | 0 | 100 |
| F-A | F1.20S(1) | | 53 | 16.9 | 9 | 3 | 1 | 3 | 0 | 56 |
| F-A | F1.30A(1) | | 75 | 9.5 | 7 | 0 | 2 | 0 | 0 | 71 |
| F-A | F1.30B(1) | | 127 | 9.8 | 12 | 1 | 3 | 1 | 0 | 83 |
| F-A | F1.30C(1) | | 5 | 20 | 1 | 0 | 1 | 0 | 0 | 100 |
| F-A | F1.30D(1) | | 332 | 10.7 | 36 | 0 | 12 | 0 | 0 | 72 |
| F-A | F1.30E(1) | | 119 | 12.5 | 15 | 0 | 5 | 0 | 0 | 80 |
| F-A | F1.30F(1) | | 111 | 10.6 | 12 | 0 | 5 | 0 | 0 | 67 |

| Farley Unit 1 1R24 Outage Completion Percentages | | | | | | | | | | |
|--|-----------|-----------------|------------|---|--|------------------------|-----------------------|-----------------------|-----------------------|---|
| Cat. | Item No. | Code Case / ALT | Population | Percent of Population Required To Be Examined | Total Exams Required During 4 th Interval | No. of Exams Completed | | | | % of Total Exams Completed for Interval |
| | | | | | | 1R24 | Period 1 1R22/1R23 | Period 2 1R24/1R25 | Period 3 1R26/1R27 | |
| F-A | F1.30H(1) | | 31 | 9.5 | 3 | 0 | 1 | 0 | 0 | 33 |
| F-A | F1.30S(1) | | 9 | 21 | 2 | 0 | 1 | 0 | 0 | 50 |
| F-A | F1.40(1) | | 72 | 45.5 | 33 | 9 | 9 | 9 | 0 | 64 |
| Total: | | | 1668 | | 272 | 1 | 89 | | 0 | 67.6 |

TAB C

EXAMINATION PROGRAM PLAN

**Farley Unit 1
Class 1 Components**

| ASME Section XI | Examination/Area | Examination Procedure(s) | Cal Block(s) | Exam/Cal Sheet No(s). | Results | Remarks |
|----------------------------|---|-------------------------------------|-------------------------|----------------------------------|----------------|--|
| N-722 B15.80 | ALA1-1100C-BMI-BMV RPV BOTTOM HEAD MOUNTED INSTRUMENTATION BMV | NMP-ES-024-208 | NA | S12F1V028 | Accept | Direct VT-2 exam. |
| B-N-1 B13.10 | ALA1-1200-VS INT RPV INTERIOR | WDI-STD-088 VENDOR | NA | NA | Sat | See Wes Dyne Field Service Report WDI-PJF-1305358-FSR-001 |
| B-D B3.110 | ALA1-2100-11 SAFETY NOZZLE TO PZR TOP HEAD | NMP-ES-024-401 NMP-ES-024-516 | APR-7 | S12F1M001 S12F1U019 | NRI NRI | 78.6% Code Coverage – Relief Request required. |
| B-D B3.120 | ALA1-2100-11IR PZR NOZZLE INNER RADIUS | NMP-ES-024-513 | APR-7 | S12F1U016 | NRI | Code Case N-552 |
| B-D B3.110 | ALA1-2100-12 SAFETY NOZZLE TO PZR TOP HEAD | NMP-ES-024-401 NMP-ES-024-516 | APR-7 | S12F1M002 S12F1U020 | NRI NRI | 78.6% Code Coverage – Relief Request required. |
| B-D B3.120 | ALA1-2100-12IR PZR NOZZLE INNER RADIUS | NMP-ES-024-513 | APR-7 | S12F1U017 | NRI | Code Case N-552 |
| B-D B3.110 | ALA1-2100-13 SAFETY NOZZLE TO PZR TOP HEAD | NMP-ES-024-401 NMP-ES-024-516 | APR-7 | S12F1M003 S12F1U021 | NRI NRI | 78.6% Code Coverage – Relief Request required. |
| B-D B3.120 | ALA1-2100-13IR PZR NOZZLE INNER RADIUS | NMP-ES-024-513 | APR-7 | S12F1U018 | NRI | Code Case N-552 |
| B-D B3.110 | ALA1-2100-14 SURGE NOZZLE TO PZR BOTTOM HEAD | NMP-ES-024-401 NMP-ES-024-516 | APR-7 | S12F1M004 S12F1U022 | NRI NRI | 75.2% Code Coverage – Relief Request required. |
| B-D B3.120 | ALA1-2100-14IR PZR NOZZLE INNER RADIUS | NMP-ES-024-513 | APR-7 | S12F1U025 | NRI | Code Case N-552 |
| B-B B2.40 | ALA1-3300-1R SG CHANNEL HEAD TO TUBESHEET | NMP-ES-024-516 | ALA-59 | S12F1U035 | NRI | NA |
| N-770-1 A-2 | ALA1-4100-1DM RV NOZZLE TO SAFE END | PDI-ISI-254-SE-NB VENDOR | NA | NA | NI | See Wes Dyne Field Service Report WDI-PJF-1305358-FSR-001 |
| B-J B9.11(1) | ALA1-4101-5 ELBOW TO PIPE | NMP-ES-024-501 | ALA-67 | S12F1U013 | NRI | Scanned per Owner Elected program, thermal stratification, plus base metal of elbow. 50% coverage. |
| B-J B9.11(1) | ALA1-4103-3 PIPE TO ELBOW | NMP-ES-024-501 | ALA-67 | S12F1U041 | NRI | Scanned all accessible base material per MRP-146. Scanned upper 180° of elbow base material. |
| B-J B9.11(1) | ALA1-4103-4 VALVE TO PIPE | NMP-ES-024-501 | ALA-67 | S12F1U042 | NRI | 50% Code Coverage – Relief Request required. Scanned bottom 180° base material of accessible areas between welds 3 & 4. |
| B-J B9.11(1) | ALA1-4104-3 PIPE TO ELBOW | NMP-ES-024-501 | ALA-67 | S12F1U014 | NRI | Scanned all accessible areas per MRP-146. |

**Farley Unit 1
Class 1 Components**

| ASME Section XI | Examination/Area | Examination Procedure(s) | Cal Block(s) | Exam/Cal Sheet No(s). | Results | Remarks |
|----------------------------|---|-------------------------------------|-------------------------|----------------------------------|----------------|--|
| B-J B9.11(1) | ALA1-4104-4 VALVE TO PIPE | NMP-ES-024-501 | ALA-67 | S12F1U015 | NRI | 50% Code Coverage – Relief Request required. Scanned all accessible areas per MRP-146 and base material on bottom between welds 3 & 4 |
| N-770-1 A-2 | ALA1-4200-1DM RV NOZZLE TO SAFE END | PDI-ISI-254-SE-NB VENDOR | NA | NA | NI | See Wes Dyne Field Service Report WDI-PJF-1305358-FSR-001 |
| B-J B9.11(1) | ALA1-4202-2 ELBOW TO PIPE | NMP-ES-024-501 | ALA6, ALA-67 | S12F1U026 | NRI | Exam volume increased to ½" for RBI. |
| B-J B9.11(1) | ALA1-4202-3 PIPE TO ELBOW | NMP-ES-024-501 | ALA-67 | S12F1U027 | NRI | 75% Code Coverage – Relief Request required. Scanned weld, ½" & upper 180° base material of elbow per MRP-146. |
| B-J B9.11(1) | ALA1-4202-4 VALVE TO PIPE | NMP-ES-024-501 | ALA-67 | S12F1U028 | NRI | 50% Code Coverage – Relief Request required. Scanned weld, ½" & bottom 180° base material between welds 3 & 4 per MRP-146. |
| B-J B9.11(1) | ALA1-4202-16 PIPE TO REDUCER | NMP-ES-024-501 | ALA-67 | S12F1U003 | NRI | NA |
| B-J B9.11(1) | ALA1-4202-17 ELBOW TO PIPE | NMP-ES-024-501 | ALA-67 | S12F1U001 | NRI | NA |
| B-J B9.11(1) | ALA1-4202-18 PIPE TO ELBOW | NMP-ES-024-501 | ALA-67 | S12F1U004 | NRI | NA |
| B-J B9.11(1) | ALA1-4202-20 PIPE TO PIPE | NMP-ES-024-501 | ALA-67 | S12F1U002 | NRI | NA |
| B-J B9.11(1) | ALA1-4203-8 ELBOW TO PIPE | NMP-ES-024-501 | ALA-67 | S12F1U005 | NRI | NA |
| B-J B9.11(1) | ALA1-4203-9 PIPE TO ELBOW | NMP-ES-024-501 | ALA-67 | S12F1U006 | NRI | NA |
| B-J B9.11(1) | ALA1-4204-3 PIPE TO ELBOW | NMP-ES-024-501 | ALA-6, ALA-67 | S12F1U036 | NRI | 98% code coverage. Scanned upper 180° of D/S elbow base material per MRP-146. Exam volume extended ½" beyond weld toe. |
| B-J B9.11(1) | ALA1-4204-4 VALVE TO PIPE | NMP-ES-024-501 | ALA-67 | S12F1U037 | NRI | 50% Code Coverage – Relief Request required. Scanned base material on lower half of pipe between welds 3 & 4 per MRP-146. Exam volume extended ½" beyond weld toe. |

**Farley Unit 1
Class 1 Components**

| ASME Section XI | Examination/Area | Examination Procedure(s) | Cal Block(s) | Exam/Cal Sheet No(s). | Results | Remarks |
|----------------------------|---|-------------------------------------|-------------------------|----------------------------------|----------------|--|
| B-J B9.11(1) | ALA1-4204-5 PIPE TO VALVE | NMP-ES-024-501 | ALA-67 | S12F1U040 | NRI | 50% Code Coverage – Relief Request required. Exam volume extended ½" beyond weld toe. |
| B-J B9.11(1) | ALA1-4204-6 ELBOW TO PIPE | NMP-ES-024-501 | ALA-67 | S12F1U029 | NRI | Exam volume extended ½" beyond weld toe. |
| B-J B9.11(1) | ALA1-4204-7 PIPE TO ELBOW | NMP-ES-024-501 | ALA-67 | S12F1U030 | NRI | Exam volume extended ½" beyond weld toe. |
| B-J B9.11(1) | ALA1-4204-8 PIPE TO ELBOW | NMP-ES-024-501 | ALA-67 | S12F1U023 | NRI | Exam volume extended ½" beyond weld toe. |
| B-J B9.11(1) | ALA1-4204-9 PIPE TO ELBOW | NMP-ES-024-501 | ALA-67 | S12F1U024 | NRI | Exam volume extended ½" beyond weld toe. |
| B-J B9.11(1) | ALA1-4205-31 PIPE TO ELBOW | NMP-ES-024-501 | ALA-67 | S12F1U038 | NRI | Exam volume extended ½" beyond weld toe. |
| B-J B9.11(1) | ALA1-4205-32 ELBOW TO ELBOW | NMP-ES-024-501 | ALA-67 | S12F1U039 | NRI | Exam volume extended ½" beyond weld toe. |
| B-J B9.21(1) | ALA1-4207-3 PIPE TO ELBOW | NMP-ES-024-501 | ALA-67 | S12F1U031 | NRI | Scanned weld, ½" & bottom 180° base material between welds 3 & 4 per MRP-146. |
| B-J B9.21(1) | ALA1-4207-4 VALVE TO PIPE | NMP-ES-024-501 | ALA-67 | S12F1U032 | NRI | 46% Code Coverage – Relief Request required. Scanned weld, ½" & bottom 180° base material between welds 3 & 4 per MRP-146. |
| B-J B9.21(1) | ALA1-4209-11BW FLANGE TO PUMP | NMP-ES-024-501 | ALA-67 | S12F1U034 | NRI | 48% Code Coverage – Relief Request required. |
| N-770-1 A-2 | ALA1-4300-1DM RV NOZZLE TO SAFE END | PDI-ISI-254-SE-NB VENDOR | NA | NA | NI | See Wes Dyne Field Service Report WDI-PJF-1305358-FSR-001 |
| B-J B9.11(1) | ALA1-4301-5 ELBOW TO PIPE | NMP-ES-024-501 | ALA-67 | S12F1U033 | NRI | Examined weld & base material per MP-146, elbow base material. |
| B-J B9.11(1) | ALA1-4304-5 PIPE TO ELBOW | NMP-ES-024-501 | ALA-67 | S12F1U044 | NRI | Scanned upper 180° elbow base material and base material between welds 5 & 6 per MRP-146. |
| B-J B9.11(1) | ALA1-4304-6 VALVE TO PIPE | NMP-ES-024-501 | ALA-67 | S12F1U047 | NRI | 40% Code Coverage – Relief Request required. Exam volume extended ½". |

**Farley Unit 1
Class 1 Components**

| ASME Section XI | Examination/Area | Examination Procedure(s) | Cal Block(s) | Exam/Cal Sheet No(s). | Results | Remarks |
|----------------------------|-------------------------------------|-------------------------------------|-------------------------|----------------------------------|----------------|--|
| B-J B9.11(1) | ALA1-4305-3 PIPE TO ELBOW | NMP-ES-024-501 | ALA-67 | S12F1U049 | NRI | Examined bottom 180° of base material between welds 3 & 4 and upper 180° of elbow for thermo strat. Exam volume increased to ½" past weld toe. |
| B-J B9.11(1) | ALA1-4305-4 VALVE TO PIPE | NMP-ES-024-501 | ALA-67 | S12F1U048 | NRI | 24% Code Coverage – Relief Request required. Exam volume increased to ½" past weld toe. |
| B-J B9.40(1) | ALA1-4505-3 PIPE TO ELBOW | NMP-ES-024-501 | ALA-67 | S12F1U045 | NRI | Examined base material of bottom 180° between socket welds 3 & 4 per Site Engineering. |
| B-J B9.40(1) | ALA1-4505-4 VALVE TO PIPE | NMP-ES-024-501 | ALA-67 | S12F1U046 | NRI | Examined base material of bottom 180° between socket welds 3 & 4 per Site Engineering. |

**Farley Unit 1
Class 2 Components**

| ASME Section XI | Examination/Area | Examination Procedure(s) | Cal Block(s) | Exam/Cal Sheet No(s). | Results | Remarks |
|----------------------------|---|-------------------------------------|-------------------------|----------------------------------|----------------|---|
| C-A C1.30(1) | ALA2-3300-2R LOWER SHELL BARREL A TO UPPER TUBESHEET | NMP-ES-024-516 | ALA-56 | S12F1U043 | NRI | 94% Code Coverage. |
| C-F-2 C5.51(1) | ALA2-4201-24 TEE TO PIPE | NMP-ES-024-502 | ALA-65 | S12F1U010 | NRI | Exam included Risk Informed extended volume. |
| C-F-2 C5.51(1) | ALA2-4201-25 TEE TO CAP | NMP-ES-024-502 | ALA-65 | S12F1U009 | NRI | Exam included Risk Informed extended volume. |
| HELB | ALA2-4500-11 PIPE TO ELBOW | NMP-ES-024-502 | ALA-65 | S12F1U011 | NRI | Exam credited for Risk Informed. |
| HELB | ALA2-4500-12 ELBOW TO PIPE | NMP-ES-024-502 | ALA-65 | S12F1U012 | NRI | Exam credited for Risk Informed. |
| HELB | ALA2-4500-40 PIPE TO TEE | NMP-ES-024-502 | ALA-65 | S12F1U007 | NRI | Exam credited for Risk Informed |
| HELB | ALA2-4500-41 TEE TO CAP | NMP-ES-024-502 | ALA-65 | S12F1U008 | NRI | Exam credited for Risk Informed |
| C-C C3.20 | ALA2-4506-RHR10-R22 (WS) WELDED ATTACHMENT | NMP-ES-024-301 | NA | S11F1P002 | NRI | NA |
| C-C C3.20 | ALA2-4513-CVC-R205 (W4) WELDED ATTACHMENT | NMP-ES-024-301 | NA | S11F1P001 | NRI | NA |
| C-C C3.20 | ALA2-4604-SI-R4 (WS) WELDED ATTACHMENT | NMP-ES-024-301 | NA | S11F1P003 | NRI | NA |

**Farley Unit 1
Supports**

| ASME Section XI | Examination/Area | Examination Procedure(s) | Cal Block(s) | Exam/Cal Sheet No(s). | Results | Remarks |
|----------------------------|---|-------------------------------------|-------------------------|----------------------------------|----------------|---|
| F-A F1.10D(1) | ALA1-4202-SI-R158 TWO DIRECTIONAL RESTRAINT | NMP-ES-024-203 | NA | S12F1V044 | Sat | NA |
| F-A F1.10A(1) | ALA1-4203-SI-A14 ANCHOR | NMP-ES-024-203 | NA | S12F1V050 | Sat | NA |
| F-A F1.10D(1) | ALA1-4203-SI-R180 TWO DIRECTIONAL RESTRAINT | NMP-ES-024-203 | NA | S12F1V038 | Sat | NA |
| F-A F1.10E(1) | ALA1-4203-SI-R215 SWAY STRUT | NMP-ES-024-203 | NA | S12F1V039 | Sat | NA |
| F-A F1.10B(1) | ALA1-4204-SI-R239 ONE DIRECTIONAL RESTRAINT | NMP-ES-024-203 | NA | S12F1V035 | Sat | NA |
| F-A F1.10D(1) | ALA1-4204-SI-R240 TWO DIRECTIONAL RESTRAINT | NMP-ES-024-203 | NA | S12F1V034 | Sat | NA |
| F-A F1.10D(1) | ALA1-4204-SI-R249 TWO DIRECTIONAL RESTRAINT W/ATTACH | NMP-ES-024-203 | NA | S12F1V036 | Sat | NA |
| F-A F1.10D(1) | ALA1-4204-SI-R252 TWO DIRECTIONAL RESTRAINT | NMP-ES-024-203 | NA | S12F1V037 | Sat | NA |
| F-A F1.10D(1) | ALA1-4205-RC-R18 TWO DIRECTIONAL RESTRAINT W/ATTACH | NMP-ES-024-203 | NA | S12F1V045 | Sat | NA |
| F-A F1.10C(1) | ALA1-4205-RC-R20 SPRING CAN (2) W/ATTACH | NMP-ES-024-203 | NA | S12F1V046 | Sat | NA |
| F-A F1.10B(1) | ALA1-4205-RC-R26 ONE DIRECTIONAL RESTRAINT | NMP-ES-024-203 | NA | S12F1V053 | Sat | NA |
| F-A F1.10E(1) | ALA1-4207-CVCS-R508 SWAY STRUT | NMP-ES-024-203 | NA | S12F1V032 | Sat | NA |
| F-A F1.10C(1) | ALA1-4207-CVCS-R514 SPRING CAN | NMP-ES-024-203 | NA | S12F1V033 | Sat | IER-003 – CR 438256 to replace load scale. Acceptable. |
| F-A F1.10S(1) | ALA1-4207-CVCS-R515 HYDRAULIC SNUBBER | NMP-ES-024-203 | NA | S12F1V031 | Accept | NA |
| F-A F1.10D(1) | ALA1-4208-SS-4023 TWO DIRECTIONAL RESTRAINT | NMP-ES-024-203 | NA | S12F1V041 | Sat | NA |
| F-A F1.10B(1) | ALA1-4209-SS-5688 ONE DIRECTIONAL RESTRAINT | NMP-ES-024-203 | NA | S12F1V040 | Sat | NA |
| F-A F1.10S(1) | ALA1-4305-SI-R266 HYDRAULIC SNUBBER | NMP-ES-024-203 | NA | S12F1V030 | Accept | NA |
| F-A F1.40(1) | ALA1-5200-CS-1 REACTOR COOLANT PUMP B Q1B41P001B | NMP-ES-024-203 | NA | S12F1V023 | Sat | NA |

**Farley Unit 1
Supports**

| ASME Section XI | Examination/Area | Examination Procedure(s) | Cal Block(s) | Exam/Cal Sheet No(s). | Results | Remarks |
|----------------------------|---|-------------------------------------|-------------------------|----------------------------------|----------------|--|
| F-A F1.40(1) | ALA1-5200-CS-2 REACTOR COOLANT PUMP B Q1B41P001B | NMP-ES-024-203 | NA | S12F1V024 | Sat | NA |
| F-A F1.40(1) | ALA1-5200-CS-3 REACTOR COOLANT PUMP B Q1B41P001B | NMP-ES-024-203 | NA | S12F1V025 | Sat | NA |
| F-A F1.20S(1) | ALA2-4150-FW-R45 HYDRAULIC SNUBBER | NMP-ES-024-203 | NA | S12F1V022 | Accept | NA |
| F-A F1.20S(1) | ALA2-4201-MS-R127 HYDRAULIC SNUBBER W/ATTACH | NMP-ES-024-203 | NA | S12F1V047 | Reject | IER-002 – CR 440026. Acceptable per NMP-ES-057- 003. Examine 1R25. |
| F-A F1.20B(1) | ALA2-4201-MS-R81 ONE DIRECTIONAL RESTRAINT | NMP-ES-024-203 | NA | S12F1V019 | Sat | NA |
| F-A F1.20E(1) | ALA2-4501-RHR5-R40 SWAY STRUT | NMP-ES-024-203 | NA | S12F1V001 | Sat | NA |
| F-A F1.20S(1) | ALA2-4502-RHR6-R68 HYDRAULIC SNUBBER | NMP-ES-024-203 | NA | S12F1V003 | Accept | NA |
| F-A F1.20F(1) | ALA2-4504-RHR2-R74 3 DIRECTIONAL RESTRAINT W/ATTACH | NMP-ES-024-203 | NA | S12F1V020 | Sat | NA |
| F-A F1.20B(1) | ALA2-4504-RHR2-R78 ONE DIRECTIONAL RESTRAINT | NMP-ES-024-203 | NA | S12F1V004 | Sat | NA |
| F-A F1.20B(1) | ALA2-4506-RHR10-R22 ONE DIRECTIONAL RESTRAINT W/ATTACH | NMP-ES-024-203 | NA | S12F1V021 | Sat | NA |
| F-A F1.20D(1) | ALA2-4513-CVC-R205 TWO DIRECTIONAL RESTRAINT W/ATTACH | NMP-ES-024-203 | NA | S12F1V005 | Sat | NA |
| F-A F1.20D(1) | ALA2-4514-SI-R302 TWO DIRECTIONAL RESTRAINT | NMP-ES-024-203 | NA | S12F1V006 | Sat | NA |
| F-A F1.20C(1) | ALA2-4515-SI-R84 SPRING CAN | NMP-ES-024-203 | NA | S12F1V018 | Sat | NA |
| F-A F1.20E(1) | ALA2-4517-SI-R204 SWAY STRUT (2) | NMP-ES-024-203 | NA | S12F1V052 | Sat | NA |
| F-A F1.20D(1) | ALA2-4527-CVC-R62 TWO DIRECTIONAL RESTRAINT | NMP-ES-024-203 | NA | S12F1V007 | Sat | NA |
| F-A F1.20R(1) | ALA2-4604-SI-R4 3 DIRECTIONAL RESTRAINT W/ATTACH | NMP-ES-024-203 | NA | S12F1V008 | Sat | NA |
| F-A F1.20B(1) | ALA2-4605-SI-R9 ONE DIRECTIONAL RESTRAINT | NMP-ES-024-203 | NA | S12F1V009 | Sat | NA |

**Farley Unit 1
Supports**

| ASME Section XI | Examination/Area | Examination Procedure(s) | Cal Block(s) | Exam/Cal Sheet No(s). | Results | Remarks |
|----------------------------|--|-------------------------------------|-------------------------|----------------------------------|----------------|----------------|
| F-A F1.20B(1) | ALA2-4612-SI-R268 ONE DIRECTIONAL RESTRAINT | NMP-ES-024-203 | NA | S12F1V027 | Sat | NA |
| F-A F1.20D(1) | ALA2-4612-SI-R272 TWO DIRECTIONAL RESTRAINT | NMP-ES-024-203 | NA | S12F1V049 | Sat | NA |
| F-A F1.20D(1) | ALA2-4616-SS-2008 TWO DIRECTIONAL RESTRAINT | NMP-ES-024-203 | NA | S12F1V051 | Sat | NA |
| F-A F1.20B(1) | ALA2-4617-SS-4007 ONE DIRECTIONAL RESTRAINT | NMP-ES-024-203 | NA | S12F1V048 | Sat | NA |
| F-A F1.20A(1) | ALA2-4617-SS-4016 ANCHOR 2 U-BOLTS | NMP-ES-024-203 | NA | S12F1V043 | Sat | NA |
| F-A F1.20C(1) | ALA2-4625-SI-R32 SPRING CAN | NMP-ES-024-203 | NA | S12F1V010 | Sat | NA |
| F-A F1.20B(1) | ALA2-4625-SI-R37 ONE DIRECTIONAL RESTRAINT | NMP-ES-024-203 | NA | S12F1V011 | Sat | NA |
| F-A F1.20D(1) | ALA2-4632-SI-R55 TWO DIRECTIONAL RESTRAINT | NMP-ES-024-203 | NA | S12F1V012 | Sat | NA |
| F-A F1.20A(1) | ALA2-4635-SS-1983 ANCHOR 2 U-BOLTS | NMP-ES-024-203 | NA | S12F1V042 | Sat | NA |
| F-A F1.40(1) | ALA2-5150-CS-1 CTMT SPRAY PMP (A) Q1E13P001A-A | NMP-ES-024-203 | NA | S12F1V013 | Sat | NA |

TAB D

SUMMARY OF RECORDED INDICATIONS

APR
SUMMARY OF RECORDED INDICATIONS
2012 UNIT 1RF24

| SKETCH | ID | ITEM DESCRIPTION | INDICATION DESCRIPTION | ACCEPTED PER | | MONITOR | IER NUMBER |
|-----------|-------------------|--------------------------------|---|--------------|-------------|----------|---------------|
| | | | | EVALUATION | REPAIR/REPL | | |
| RPV Sump | IWE E-A E11.11 | RPV Sump and Floor SNC64083 | Paint blistering, peeling, chip and discoloration | X | - | CR433106 | 001 |
| ALA2-4201 | F-A F1.20S(1) | ALA2-4201-MS-R-127 | Leak at the coupler fitting. | X | - | CR440026 | 002 |
| ALA1-4207 | F-A F1.10C(1) | ALA1-4207-CVCS-R514 | Worn/degraded load scale. | - | X | CR438256 | 003 |
| D170239 | F-A F1.40(1) | D170239-SW501A | General corrosion, loose & peeling paint noted throughout, 1 anchor stud nut backed off from flange ring 1/4" to 1/8" | - | X | CR442339 | 004 |
| D170239 | F-A F1.40(1) | D170239-SW501B | General corrosion, loose & peeling paint noted throughout, 50% of thread loss on stud above nut engagement, rust on coatings. | X | - | CR443074 | 005 |
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TAB E

FORM NIS-2 OWNER'S REPORTS FOR REPAIRS AND REPLACEMENTS

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 FNP-1 since the last maintenance/refueling outage (1R23) through the completion of the twenty-fourth maintenance/refueling outage (1R24). Reports are identified by their respective job number which is denoted on each of the NIS-2 reports. The originals of the NIS-2 reports are filed with their respective packages at the plant site. Only those NIS-2 reports applicable to FNP-1 are included in this report document. Any attachments, e.g., code data reports, etc., referenced in the NIS-2 reports will be made available for review upon request at the plant site.

The NIS-2s for the following job number packages are included herein:

| | | | | |
|------------|----------|----------|----------|----------|
| 1111109101 | SNC56779 | SNC66770 | SNC66822 | SNC54806 |
| SNC359356 | SNC56780 | SNC66773 | SNC66824 | SNC66836 |
| SNC359357 | SNC56781 | SNC66774 | SNC66825 | SNC66838 |
| SNC359358 | SNC60147 | SNC66775 | SNC66826 | SNC61573 |
| SNC359359 | SNC63541 | SNC66776 | SNC66830 | SNC61579 |
| SNC359360 | SNC63980 | SNC66778 | SNC66832 | SNC53438 |
| SNC359361 | SNC64092 | SNC66781 | SNC66839 | |
| SNC383919 | SNC64112 | SNC66782 | SNC66841 | |
| SNC384548 | SNC64165 | SNC66784 | SNC67355 | |
| SNC385056 | SNC64621 | SNC66786 | SNC88354 | |
| SNC55708 | SNC65840 | SNC66787 | SNC66486 | |
| SNC55830 | SNC66768 | SNC66788 | SNC60381 | |
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Figure 1

FORM NIS-2 OWNER'S REPORT FOR REPAIR/REPLACEMENT ACTIVITY
As Required By The Provisions Of The ASME Code Section XI

1. Owner Southern Nuclear Operating Company Date April 16, 2012
Name
40 Inverness Ctr Pkwy, Birmingham, Al. 35242
Address
 2. Plant Joseph M. Farley Nuclear Plant (FNP) Sheet 1 of 2
Name Unit FNP Unit 1
7388 N. State Hwy 95, Columbia, Al. 36319 WO# SNC 66778
Address Repair/Replacement Organization P.O. No., Job No., etc.
 3. Work Performed by FNP Maintenance Department Type Code Symbol N/A
Name Stamp
7388 N. State Hwy 95, Columbia, Al. 36319 Authorization N/A
Address No. Expiration Date N/A
 4. Identification of System Q1E21SNUBBCVCSR530, E21- Chemical and Volume Control System, CLASS 1
 5. (a) Applicable Construction Code See Remarks. Edition, N/A Addenda, N/A Code Case
 (b) Applicable Edition of Section XI Used for Repair/Replacement Activity 2001 EDITION, 2003 ADDENDA
 (c) Applicable Section XI Code Case(s) N/A

6. Identification Of Components

| Name of Component | Name of Manufacturer | Manufacturer Serial No. | National Board No. | Other Identification | Year Built | Corrected, Removed, or Installed | ASME Code Stamped (Yes or No) |
|-------------------|----------------------|-------------------------|--------------------|----------------------|------------|----------------------------------|-------------------------------|
| HYDRAULIC SNUBBER | ITT GRINNELL | CVCS-R530 | N/A | N/A | 1974 | REMOVED | NO |
| HYDRAULIC SNUBBER | ANVIL | 38729 | N/A | N/A | 2011 | INSTALLED | NO |
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7. Description of Work Replaced ITT Grinnell snubber with Anvil snubber


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

Figure 1

WLO# 5N266778

FORM NIS-2 (Back)

9. Remarks Designed per AISC 1969 Ed, Welded per AWS D1.1-86
Applicable Manufacturer's Data Reports to be attached
CERTIFICATE OF COMPLIANCE - ANVIL

| CERTIFICATE OF COMPLIANCE | | | |
|--|---|-----------------|---------------------|
| We certify that the statements made in the report are correct and that this <u>Replacement</u> conforms to the rules of the ASME Code, Section XI. <div style="text-align: center;">repair or replacement</div> | | | |
| Type Code Symbol Stamp | N/A | | |
| Certificate of Authorization No. | N/A | Expiration Date | N/A |
| Signed |  Owner or Owner's Designee, Title | | Date <u>6/19/12</u> |

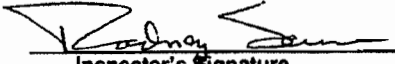
| CERTIFICATE OF INSERVICE INSPECTION | | | |
|---|--|---|--|
| I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the state or Province of <u>GEORGIA</u> and employed by <u>HSB CT</u> of <u>HARTFORD CT</u> have inspected the components described in this Owner's Report during the period <u>06/27/2012</u> to <u>06/27/2012</u> and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI. | | | |
| By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection. | | | |
|  Inspector's Signature | | Commissions <u>NB12603 AIN, GA690</u> National Board, State, Province and Endorsements | |
| Date <u>06/27/2012</u> | | | |

Figure 1

FORM NIS-2 OWNER'S REPORT FOR REPAIR/REPLACEMENT ACTIVITY
As Required By The Provisions Of The ASME Code Section XI

1. Owner Southern Nuclear Operating Company Date April 25, 2012
Name
40 Inverness Ctr Pkwy, Birmingham, Al. 35242 Sheet 1 of 2
Address
2. Plant Joseph M. Farley Nuclear Plant (FNP) Unit FNP Unit 1
Name
7388 N. State Hwy 95, Columbia, Al. 36319 WO# SNC 66830
Address Repair/Replacement Organization P.O. No., Job No., etc.
3. Work Performed by FNP Maintenance Department Type Code Symbol N/A
Name Stamp
7388 N. State Hwy 95, Columbia, Al. 36319 Authorization N/A
Address No. Expiration N/A
Date
4. Identification of System Q1EE21SNUBBCVCSR517: E21: Chemical Volume Control System/ HHSI: Class 1
5. (a) Applicable Construction Code SECTION III 1971 Edition, SUMMER 1971 Addenda, N/A Code Case
(b) Applicable Edition of Section XI Used for Repair/Replacement Activity 2001 EDITION, 2003 ADDENDA
(c) Applicable Section XI Code Case(s) N/A

6. Identification Of Components

| Name of Component | Name of Manufacturer | Manufacturer Serial No. | National Board No. | Other Identification | Year Built | Corrected, Removed, or Installed | ASME Code Stamped (Yes or No) |
|-------------------|----------------------|-------------------------|--------------------|----------------------|------------|----------------------------------|-------------------------------|
| HYDRAULIC SNUBBER | ITT GRINNELL | 11720 | N/A | N/A | 1983 | REMOVED | NO |
| HYDRAULIC SNUBBER | ANVIL | 38726 | N/A | N/A | 2011 | INSTALLED | NO |
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7. Description of Work
- Replaced ITT Grinnell snubber with Anvil snubber. Scheduled upgrade per ED C092099701

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

Figure 1

FORM NIS-2 (Back)

W0# SNCL6830

9. Remarks Certificate of Compliance: Anvil
Applicable Manufacturer's Data Reports to be attached

| CERTIFICATE OF COMPLIANCE | | | |
|--|--|-----------------|----------------|
| We certify that the statements made in the report are correct and that this <u>Replacement</u> conforms to the rules of the ASME Code, Section XI. <div style="text-align: center;">repair or replacement</div> | | | |
| Type Code Symbol Stamp | N/A | | |
| Certificate of Authorization No. | N/A | Expiration Date | N/A |
| Signed | <u><i>Ant. S. P. ...</i></u> Owner or Owner's Designee, Title | Date | <u>6/19/12</u> |

| CERTIFICATE OF INSERVICE INSPECTION | |
|---|---|
| I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the state or Province of <u>GEORGIA</u> and employed by <u>HSB CT</u> of <u>HARTFORD CT</u> have inspected the components described in this Owner's Report during the period <u>07/05/2012</u> to <u>07/13/2012</u> , and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI. | |
| By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection. | |
| <u><i>[Signature]</i></u> Inspector's Signature | Commissions <u>NB1263A1N, GA690</u> National Board, State, Province and Endorsements |
| Date <u>07/05/2012</u> | |

Figure 1

FORM NIS-2 OWNER'S REPORT FOR REPAIR/REPLACEMENT ACTIVITY
As Required By The Provisions Of The ASME Code Section XI

1. Owner Southern Nuclear Operating Company Date April 25, 2012
40 Inverness Ctr Pkwy, Birmingham, Al. 35242
 Name Address
 2. Plant Joseph M. Farley Nuclear Plant (FNP) Unit FNP Unit 1
7388 N. State Hwy 95, Columbia, Al. 36319
 Name Address
 WO# SNC 64621
 Repair/Replacement Organization P.O. No., Job No., etc.
 3. Work Performed by FNP Maintenance Department Type Code Symbol N/A
7388 N. State Hwy 95, Columbia, Al. 36319 Stamp
 Name Authorization N/A
 Address Expiration Date N/A
 4. Identification of System Q1P16V005C: P16 : Service Water: Class 3
 5. (a) Applicable Construction Code SECTION III 1971 Edition, SUMMER 1972 Addenda, N/A Code Case
 (b) Applicable Edition of Section XI Used for Repair/Replacement Activity 2001 EDITION, 2003 ADDENDA
 (c) Applicable Section XI Code Case(s) N/A

6. Identification Of Components

| Name of Component | Name of Manufacturer | Manufacturer Serial No. | National Board No. | Other Identification | Year Built | Corrected, Removed, or Installed | ASME Code Stamped (Yes or No) |
|----------------------|----------------------|-------------------------|--------------------|----------------------|------------|----------------------------------|-------------------------------|
| 2" VALVE BODY BONNET | BNL | A060102-1-10 (X84) | N/A | N/A | 2006 | REMOVED | NO |
| 2" VALVE BALL | BNL | X67 | N/A | N/A | 2006 | REMOVED | NO |
| ½" BOLT (4) | TRUST MFRG. | F2TR | N/A | N/A | 2006 | REMOVED | NO |
| ½" NUT (4) | TRUST MFRG. | F3TR | N/A | N/A | 2006 | REMOVED | NO |
| 2" VALVE BODY BONNET | BNL | A070809-1-80 (93A-3) | N/A | N/A | 2008 | INSTALLED | NO |
| 2" VALVE BALL | BNL | 129A-2 | N/A | N/A | 2008 | INSTALLED | NO |
| ½" BOLT (4) | TRUST MFRG. | CC86 | N/A | N/A | 2008 | INSTALLED | NO |
| ½" NUT (4) | TRUST MFRG. | U1 | N/A | N/A | 2008 | INSTALLED | NO |

7. Description of Work
- Replaced 2" 3-Piece ball valve body and ball. Left weld ends from original valve attached to pipe.

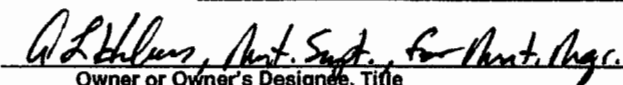
8. Test Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☒ Exempt ☐
 Other ☐ Pressure _____ psi Test Temp. _____ °F

Figure 1

FORM NIS-2 (Back)

WO # SLC 4621

9. Remarks NPV-1 Form, Certificate of Conformance
Applicable Manufacturer's Data Reports to be attached

| CERTIFICATE OF COMPLIANCE | | | |
|--|---|-----------------|---------------------|
| We certify that the statements made in the report are correct and that this <u>Replacement</u> conforms to the rules of the ASME Code, Section XI. <div style="text-align: center;">repair or replacement</div> | | | |
| Type Code Symbol Stamp | N/A | | |
| Certificate of Authorization No. | N/A | Expiration Date | N/A |
| Signed |  Owner or Owner's Designee, Title | | Date <u>6/22/12</u> |

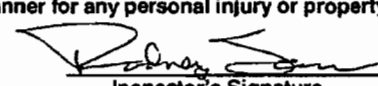
| CERTIFICATE OF INSERVICE INSPECTION | |
|---|---|
| I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the state or Province of <u>GEORGIA</u> and employed by <u>HSB CT</u> of <u>HARTFORD CT</u> have inspected the components described in this Owner's Report during the period <u>02/10/2012</u> to <u>07/05/2012</u> , and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI. | |
| By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection. | |
|  Inspector's Signature | Commissions <u>NB1260341N, GA 690</u> National Board, State, Province and Endorsements |
| Date <u>07/05/2012</u> | |

Figure 1

FORM NIS-2 OWNER'S REPORT FOR REPAIR/REPLACEMENT ACTIVITY
As Required By The Provisions Of The ASME Code Section XI

1. Owner Southern Nuclear Operating Company Date April 16, 2012
40 Inverness Ctr Pkwy, Birmingham, AL 35242
 Name
 Address

2. Plant Joseph M. Farley Nuclear Plant (FNP) Unit FNP Unit 1
7388 N. State Hwy 95, Columbia, AL 36319
 Name
 Address

3. Work Performed by FNP Maintenance Department Type Code Symbol N/A
7388 N. State Hwy 95, Columbia, AL 36319 Stamp
 Name Authorization N/A
 Address Expiration Date N/A
 Repair/Replacement Organization P.O. No., Job No., etc.

4. Identification of System Q1B13SNUBBRCR173, B-13- Piping and Instrument, CLASS 1

5. (a) Applicable Construction Code See Remarks. Edition, N/A Addenda, N/A Code Case
 (b) Applicable Edition of Section XI Used for Repair/Replacement Activity 2001 EDITION, 2003 ADDENDA
 (c) Applicable Section XI Code Case(s) N/A

6. Identification Of Components

| Name of Component | Name of Manufacturer | Manufacturer Serial No. | National Board No. | Other Identification | Year Built | Corrected, Removed, or Installed | ASME Code Stamped (Yes or No) |
|-------------------|----------------------|-------------------------|--------------------|----------------------|------------|----------------------------------|-------------------------------|
| HYDRAULIC SNUBBER | ITT GRINNELL | RC-R173 | N/A | N/A | 1974 | REMOVED | NO |
| HYDRAULIC SNUBBER | ANVIL | 38273 | N/A | N/A | 2011 | INSTALLED | NO |
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7. Description of Work Replaced ITT Grinnell hydraulic snubber with Anvil hydraulic snubber

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

Figure 1

FORM NIS-2 (Back)

W/O# SNC 383919

9. Remarks Designed per AISC 1969 Ed, Welded per AWS D1.1-86
Applicable Manufacturer's Data Reports to be attached
CERTIFICATE OF COMPLIANCE : ANVIL

CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and that 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

A. L. Williams, Dist. Supt. for that State
 Owner or Owner's Designee Title

Date 6/19/12

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 HSB CT of HARTFORD CT have inspected the components described in this Owner's Report during the period 04/09/2012 to 06/26/2012 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.

Raymond S. ...
 Inspector's Signature

Commissions

NB12603A1N, GA690
 National Board, State, Province and Endorsements

Date 06/27/2012

Figure 1

FORM NIS-2 OWNER'S REPORT FOR REPAIR/REPLACEMENT ACTIVITY
As Required By The Provisions Of The ASME Code Section XI

1. Owner Southern Nuclear Operating Company Date April 25, 2012
40 Inverness Ctr Pkwy, Birmingham, Al. 35242
 Name
 Address
2. Plant Joseph M. Farley Nuclear Plant (FNP) Unit FNP Unit 1
7388 N. State Hwy 95, Columbia, Al. 36319
 Name
 Address
3. Work Performed by FNP Maintenance Department Type Code Symbol N/A
7388 N. State Hwy 95, Columbia, Al. 36319 Stamp
 Name Authorization N/A
 Address Expiration N/A
 Date
4. Identification of System Q1P17SNUBBCCWR417: P17: Component Cooling Water: Class 3
5. (a) Applicable Construction Code SECTION III 1971 Edition, SUMMER 1972 Addenda, N/A Code Case
 (b) Applicable Edition of Section XI Used for Repair/Replacement Activity 2001 EDITION, 2003 ADDENDA
 (c) Applicable Section XI Code Case(s) N/A

6. Identification Of Components

| Name of Component | Name of Manufacturer | Manufacturer Serial No. | National Board No. | Other Identification | Year Built | Corrected, Removed, or Installed | ASME Code Stamped (Yes or No) |
|-------------------|----------------------|-------------------------|--------------------|----------------------|------------|----------------------------------|-------------------------------|
| HYDRAULIC SNUBBER | ITT GRINNELL | CCW-4417 | N/A | N/A | 1975 | REMOVED | NO |
| HYDRAULIC SNUBBER | LISEGA | 3110036/014 | N/A | N/A | 2011 | INSTALLED | NO |
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7. Description of Work
- Replaced ITT Grinnell snubber with Lisega snubber due to scheduled upgrade per ED SNC336822

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

Figure 1

FORM NIS-2 (Back)

WO# SNC 66770

9. Remarks Certificate of Compliance: Lisega
Applicable Manufacturer's Data Reports to be attached

| CERTIFICATE OF COMPLIANCE | | | |
|--|--|-----------------|----------------|
| We certify that the statements made in the report are correct and that this <u>Replacement</u> conforms to the rules of the ASME Code, Section XI. <div style="text-align: center;">repair or replacement</div> | | | |
| Type Code Symbol Stamp | N/A | | |
| Certificate of Authorization No. | N/A | Expiration Date | N/A |
| Signed | <u><i>Ad Helms, Int. Supt. for Int. Mgr.</i></u> Owner or Owner's Designee, Title | Date | <u>6/22/12</u> |

| CERTIFICATE OF INSERVICE INSPECTION | |
|---|--|
| I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the state or Province of <u>GEORGIA</u> and employed by <u>WSB CT</u> of <u>HARTFORD CT</u> have inspected the components described in this Owner's Report during the period <u>07/05/2012</u> to <u>07/02/2012</u> and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI. | |
| By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection. | |
| <u><i>Robey Sam</i></u> Inspector's Signature | Commissions <u>NB12603A IN, GA 690</u> National Board, State, Province and Endorsements |
| Date <u>07/05/2012</u> | |

Figure 1

FORM NIS-2 OWNER'S REPORT FOR REPAIR/REPLACEMENT ACTIVITY
As Required By The Provisions Of The ASME Code Section XI

1. Owner Southern Nuclear Operating Company Date April 16, 2012
Name
40 Inverness Ctr Pkwy, Birmingham, Al. 35242
Address
 2. Plant Joseph M. Farley Nuclear Plant (FNP) Sheet 1 of 2
Name Unit FNP Unit 1
7388 N. State Hwy 95, Columbia, Al. 36319 WO# SNC 66787
Address Repair/Replacement Organization P.O. No., Job No., etc.
 3. Work Performed by FNP Maintenance Department Type Code Symbol N/A
Name Stamp
7388 N. State Hwy 95, Columbia, Al. 36319 Authorization N/A
Address No. Expiration Date N/A
 4. Identification of System Q1B21SNUBBFT415A, B-21- Steam Generator, CLASS 2
 5. (a) Applicable Construction Code See Remarks. Edition, N/A Addenda, N/A Code Case
 (b) Applicable Edition of Section XI Used for Repair/Replacement Activity 2001 EDITION, 2003 ADDENDA
 (c) Applicable Section XI Code Case(s) N/A

6. Identification Of Components

| Name of Component | Name of Manufacturer | Manufacturer Serial No. | National Board No. | Other Identification | Year Built | Corrected, Removed, or Installed | ASME Code Stamped (Yes or No) |
|--------------------|----------------------|-------------------------|--------------------|----------------------|------------|----------------------------------|-------------------------------|
| MECHANICAL SNUBBER | PACIFIC SCIENTIFIC | 34207 | N/A | N/A | 1983 | REMOVED | NO |
| HYDRAULIC SNUBBER | LISEGA | 3110195/013 | N/A | N/A | 2010 | INSTALLED | NO |
| | | | | | | | |
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7. Description of Work
- Replaced Pacific Scientific mechanical snubber with Lisega hydraulic snubber

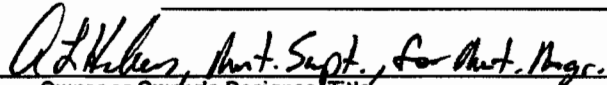
8. Test Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☐ Exempt ☒
 Other ☐ Pressure _____ psi Test Temp. _____ °F

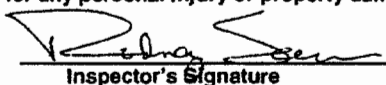
Figure 1

FORM NIS-2 (Back)

WO# SNC66787

9. Remarks Designed per AISC 1969 Ed, Welded per AWS D1.1-86
Applicable Manufacturer's Data Reports to be attached
CERTIFICATE OF COMPLIANCE: LISEGA

| CERTIFICATE OF COMPLIANCE | | | |
|--|---|-----------------|---------------------|
| We certify that the statements made in the report are correct and that this <u>Replacement</u> conforms to the rules of the ASME Code, Section XI. <div style="text-align: center;">repair or replacement</div> | | | |
| Type Code Symbol Stamp | N/A | | |
| Certificate of Authorization No. | N/A | Expiration Date | N/A |
| Signed |  Owner or Owner's Designee, Title | | Date <u>6/19/12</u> |

| CERTIFICATE OF INSERVICE INSPECTION | |
|---|--|
| I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the state or Province of <u>GEORGIA</u> and employed by <u>HSB CT</u> of <u>HARTFORD CT</u> have inspected the components described in this Owner's Report during the period <u>04/11/2012</u> to <u>06/29/2012</u> , and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI. | |
| By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection. | |
|  Inspector's Signature | Commissions <u>NB12603A1N, CA690</u> National Board, State, Province and Endorsements |
| Date <u>06/29/2012</u> | |

FORM NIS-2 OWNER'S REPORT FOR REPAIR/REPLACEMENT ACTIVITY
As Required By The Provisions Of The ASME Code Section XI

6. Identification Of Components

7. Description of Work *Replaced ITT Grinnell snubber with Lisega snubber. Scheduled upgrade per ED SNC336822*

Version 24.9 44 of 139

Figure 1

FORM NIS-2 (Back)

W0# SMC66775

9. Remarks Certificate of Compliance: Lisega
Applicable Manufacturer's Data Reports to be attached

| CERTIFICATE OF COMPLIANCE | | | |
|--|--|-----------------|----------------|
| We certify that the statements made in the report are correct and that this <u>Replacement</u> conforms to the rules of the ASME Code, Section XI. <div style="text-align: center;">repair or replacement</div> | | | |
| Type Code Symbol Stamp | N/A | | |
| Certificate of Authorization No. | N/A | Expiration Date | N/A |
| Signed | <u><i>Ad. Williams, Int. Supt., Res. Int. Mgr.</i></u> Owner or Owner's Designee, Title | Date | <u>6/19/12</u> |

| CERTIFICATE OF INSERVICE INSPECTION | |
|---|--|
| I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the state or Province of <u>GEORGIA</u> and employed by <u>HSB CT</u> of <u>HARTFORD CT</u> have inspected the components described in this Owner's Report during the period <u>04/12/2012</u> to <u>06/29/2012</u> , and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI. | |
| By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection. | |
| <u><i>[Signature]</i></u> Inspector's Signature | Commissions <u>NB12603A1N, GA690</u> National Board, State, Province and Endorsements |
| Date <u>06/29/2012</u> | |

Figure 1

FORM NIS-2 OWNER'S REPORT FOR REPAIR/REPLACEMENT ACTIVITY
As Required By The Provisions Of The ASME Code Section XI

1. Owner Southern Nuclear Operating Company Date April 16, 2012
40 Inverness Ctr Pkwy, Birmingham, Al. 35242
 Name Address
 2. Plant Joseph M. Farley Nuclear Plant (FNP) Unit FNP Unit 1
7388 N. State Hwy 95, Columbia, Al. 36319
 Name Address
 WO# SNC 66832
 Repair/Replacement Organization P.O. No., Job No., etc.
 3. Work Performed by FNP Maintenance Department Type Code Symbol N/A
7388 N. State Hwy 95, Columbia, Al. 36319 Name Stamp
 Authorization N/A
 No. Expiration Date N/A
 Address
 4. Identification of System Q1E21SNUBBCVCSR525, CLASS 1
 5. (a) Applicable Construction Code See Remarks. Edition, N/A Addenda, N/A Code Case
 (b) Applicable Edition of Section XI Used for Repair/Replacement Activity 2001 EDITION, 2003 ADDENDA
 (c) Applicable Section XI Code Case(s) N/A

6. Identification Of Components

| Name of Component | Name of Manufacturer | Manufacturer Serial No. | National Board No. | Other Identification | Year Built | Corrected, Removed, or Installed | ASME Code Stamped (Yes or No) |
|-------------------|----------------------|-------------------------|--------------------|----------------------|------------|----------------------------------|-------------------------------|
| HYDRAULIC SNUBBER | ITT GRINNELL | CVCS-R525 | N/A | N/A | 1974 | REMOVED | NO |
| HYDRAULIC SNUBBER | ANVIL | 38725 | N/A | N/A | 2012 | INSTALLED | NO |
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7. Description of Work
- Replaced ITT Grinnell snubber with Anvil snubber

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

WO#SNC 66832

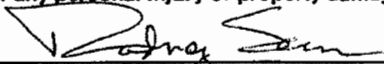
| | | |
|----|---------|--|
| 9. | Remarks | Designed per AISC 1969 Ed, Welded per AWS D1.1-86 Applicable Manufacturer's Data Reports to be attached Certificate of Compliance: ANVIL |
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|--|---------------------|
| <p align="center">CERTIFICATE OF COMPLIANCE</p> <p>We certify that the statements made in the report are correct and that this <u>Replacement</u> conforms to the rules of the ASME Code, Section XI.</p> <p align="center">repair or replacement</p> | |
| Type Code Symbol Stamp | N/A |
| Certificate of Authorization No. | N/A |
| Expiration Date | N/A |
| Signed <u>Robert T. Smith, P.E.</u> | Date <u>6/19/12</u> |
| Owner or Owner's Designee, Title | |

CERTIFICATE OF INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the state or Province of CONNECTICUT and employed by HSB CT of HARTFORD CT have inspected the components described in this Owner's Report during the period 04/13/2012 to 06/29/2012, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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


Inspector's Signature

Commissions NB12603A1N, GA690
National Board, State, Province and Endorsements

Date 06/29/2012

Figure 1

FORM NIS-2 OWNER'S REPORT FOR REPAIR/REPLACEMENT ACTIVITY
As Required By The Provisions Of The ASME Code Section XI

1. Owner Southern Nuclear Operating Company Date April 16, 2012
40 Inverness Ctr Pkwy, Birmingham, Al. 35242
 Name Address
 2. Plant Joseph M. Farley Nuclear Plant (FNP) Sheet 1 of 2
7388 N. State Hwy 95, Columbia, Al. 36319 Unit FNP Unit 1
 Name Address WO# SNC 66822
 Address Repair/Replacement Organization P.O. No., Job No., etc.
 3. Work Performed by FNP Maintenance Department Type Code Symbol N/A
7388 N. State Hwy 95, Columbia, Al. 36319 Stamp Authorization No. N/A
 Name Expiration Date N/A
 Address
 4. Identification of System Q1E21SNUBBCVCR451A, E21 - Chemical Volume Control System CLASS 2 per 6/14/12
 5. (a) Applicable Construction Code See Remarks Edition, Addenda, Code Case
 (b) Applicable Edition of Section XI Used for Repair/Replacement Activity 2001 EDITION, 2003 ADDENDA
 (c) Applicable Section XI Code Case(s) N/A

6. Identification Of Components

| Name of Component | Name of Manufacturer | Manufacturer Serial No. | National Board No. | Other Identification | Year Built | Corrected, Removed, or Installed | ASME Code Stamped (Yes or No) |
|-------------------|----------------------|-------------------------|--------------------|----------------------|------------|----------------------------------|-------------------------------|
| HYDRAULIC SNUBBER | ITT GRINNELL | MSR-201 | N/A | N/A | 1975 | REMOVED | NO |
| HYDRAULIC SNUBBER | LISEGA | 3310544/002 | N/A | N/A | 2011 | INSTALLED | NO |
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7. Description of Work
- Replaced ITT Grinnell hydraulic snubber with Lisega hydraulic snubber.

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

Figure 1

WO# SNC66822

FORM NIS-2 (Back)

9. Remarks CERTIFICATE OF COMPLIANCE: LISEGA
Applicable Manufacturer's Data Reports to be attached
Designed per AISC 1969 Edition per AWS D1.1-86

| CERTIFICATE OF COMPLIANCE | | | |
|--|---|-----------------|----------------|
| We certify that the statements made in the report are correct and that this <u>REPLACEMENT</u> conforms to the rules of the ASME Code, Section XI. <div style="text-align: center;">repair or replacement</div> | | | |
| Type Code Symbol Stamp | N/A | | |
| Certificate of Authorization No. | N/A | Expiration Date | N/A |
| Signed | <u>A. L. Helms, Int. Supt., for Int. Mgr.</u> Owner or Owner's Designee, Title | Date | <u>6/15/12</u> |

| CERTIFICATE OF INSERVICE INSPECTION | |
|---|---|
| I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the state or Province of <u>GEORGIA</u> and employed by <u>HSB CT</u> of <u>HARTFORD CT</u> have inspected the components described in this Owner's Report during the period <u>04/12/2012</u> to <u>06/27/2012</u> , and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI. | |
| By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection. | |
| Inspector's Signature <u>Redney Sam</u> | Commissions <u>NR12603A1N, GA690</u> National Board, State, Province and Endorsements |
| Date <u>06/27/2012</u> | |

Figure 1

FORM NIS-2 OWNER'S REPORT FOR REPAIR/REPLACEMENT ACTIVITY
As Required By The Provisions Of The ASME Code Section XI

1. Owner Southern Nuclear Operating Company Date April 25, 2012
40 Inverness Ctr Pkwy, Birmingham, Al. 35242
 Name Address
 Sheet 1 of 2
2. Plant Joseph M. Farley Nuclear Plant (FNP) Unit FNP Unit 1
7388 N. State Hwy 95, Columbia, Al. 36319
 Name Address
 WO# SNC 66839
 Repair/Replacement Organization P.O. No., Job No., etc.
3. Work Performed by FNP Maintenance Department Type Code Symbol N/A
7388 N. State Hwy 95, Columbia, Al. 36319
 Name Stamp
 Authorization N/A
 No. Expiration Date N/A
 Address
4. Identification of System Q1E21SNUBBCVCSR681: E21: Chemical Volume Control System/ HHSI, CLASS 1
5. (a) Applicable Construction Code SECTION III 1971 Edition, SUMMER 1971 Addenda, N/A Code Case
 (b) Applicable Edition of Section XI Used for Repair/Replacement Activity 2001 EDITION, 2003 ADDENDA
 (c) Applicable Section XI Code Case(s) N/A

6. Identification Of Components

| Name of Component | Name of Manufacturer | Manufacturer Serial No. | National Board No. | Other Identification | Year Built | Corrected, Removed, or Installed | ASME Code Stamped (Yes or No) |
|-------------------|----------------------|-------------------------|--------------------|----------------------|------------|----------------------------------|-------------------------------|
| HYDRAULIC SNUBBER | ITT GRINNELL | CVCS-R681 | N/A | N/A | 1974 | REMOVED | NO |
| HYDRAULIC SNUBBER | LISEGA | 3110512/009 | N/A | N/A | 2011 | INSTALLED | NO |
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7. Description of Work
- Replaced ITT Grinnell snubber with Lisega snubber. Scheduled upgrade per ED SNC336822

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

Figure 1

FORM NIS-2 (Back)

Wo# 5466839

9. Remarks Certificate of Compliance: Lisega.
Applicable Manufacturer's Data Reports to be attached

| CERTIFICATE OF COMPLIANCE | | | |
|--|--|-----------------|----------------|
| We certify that the statements made in the report are correct and that this <u>Replacement</u> conforms to the rules of the ASME Code, Section XI. <div style="text-align: center;">repair or replacement</div> | | | |
| Type Code Symbol Stamp | N/A | | |
| Certificate of Authorization No. | N/A | Expiration Date | N/A |
| Signed | <u>AL Kellogg, Plant Supt., For M.T. Ingersoll</u> Owner or Owner's Designee, Title | Date | <u>6/19/12</u> |

| CERTIFICATE OF INSERVICE INSPECTION | |
|---|--|
| I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the state or Province of <u>GEORGIA</u> and employed by <u>HSB CT</u> of <u>HARTFORD CT</u> have inspected the components described in this Owner's Report during the period <u>04/13/2012</u> to <u>06/29/2012</u> , and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI. | |
| By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection. | |
| Inspector's Signature <u>[Signature]</u> | Commissions <u>NB2603A12, CA690</u> National Board, State, Province and Endorsements |
| Date <u>06/29/2012</u> | |

Figure 1

FORM NIS-2 OWNER'S REPORT FOR REPAIR/REPLACEMENT ACTIVITY
As Required By The Provisions Of The ASME Code Section XI

1. Owner Southern Nuclear Operating Company Date April 16, 2012
 Name
 40 Inverness Ctr Pkwy, Birmingham, Al. 35242
 Address
2. Plant Joseph M. Farley Nuclear Plant (FNP) Sheet 1 of 2
 Name
 7388 N. State Hwy 95, Columbia, Al. 36319
 Address
3. Work Performed by FNP Maintenance Department Unit FNP Unit 1
 Name
 7388 N. State Hwy 95, Columbia, Al. 36319
 Address
4. Identification of System Q1E21SNUBBSIR129, E21- Chemical and Volume Control System, CLASS 1
5. (a) Applicable Construction Code See Remarks. Edition, N/A Addenda, N/A Code Case
 (b) Applicable Edition of Section XI Used for Repair/Replacement Activity 2001 EDITION, 2003 ADDENDA
 (c) Applicable Section XI Code Case(s) N/A

6. Identification Of Components

| Name of Component | Name of Manufacturer | Manufacturer Serial No. | National Board No. | Other Identification | Year Built | Corrected, Removed, or Installed | ASME Code Stamped (Yes or No) |
|-------------------|----------------------|-------------------------|--------------------|----------------------|------------|----------------------------------|-------------------------------|
| HYDRAULIC SNUBBER | ITT GRINNELL | SI-R129 | N/A | N/A | 1974 | REMOVED | NO |
| | | | | | | | |
| HYDRAULIC SNUBBER | LISEGA | 3110202/053 | N/A | N/A | 2011 | INSTALLED | NO |
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7. Description of Work
- Replaced ITT Grinnell snubber with Lisega snubber

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

Figure 1

FORM NIS-2 (Back)

W0# SNC66784

9. Remarks Designed per AISC 1969 Ed, Welded per AWS D1.1-86
Applicable Manufacturer's Data Reports to be attached
CERTIFICATE OF COMPLIANCE: HSEGA

CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and that 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

A. R. Kline, Int. Supt. for Int. Phys.
 Owner or Owner's Designee, Title

Date

6/19/12

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 HSB CT of HARTFORD CT have inspected the components described in this Owner's Report during the period 04/13/2012 to 06/27/2012 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.

Raymond S. ...
 Inspector's Signature

Commissions

NB12603A1N GA690
 National Board, State, Province and Endorsements

Date

06/27/2012

Figure 1

FORM NIS-2 OWNER'S REPORT FOR REPAIR/REPLACEMENT ACTIVITY
As Required By The Provisions Of The ASME Code Section XI

1. Owner Southern Nuclear Operating Company Date April 25, 2012
Name
40 Inverness Ctr Pkwy, Birmingham, Al. 35242
Address
 2. Plant Joseph M. Farley Nuclear Plant (FNP) Unit FNP Unit 1
Name
7388 N. State Hwy 95, Columbia, Al. 36319
Address
WO# SNC 66786
Repair/Replacement Organization P.O. No., Job No., etc.
 3. Work Performed by FNP Maintenance Department Type Code Symbol N/A
Name Stamp _____
7388 N. State Hwy 95, Columbia, Al. 36319 Authorization N/A
Address No. _____
 Expiration N/A
 Date _____
 4. Identification of System Q1B21SNUBBFT416A: B21: Steam Generator: Class 2
 5. (a) Applicable Construction Code SECTION III 1971 Edition, SUMMER 1971 Addenda, N/A Code Case
 (b) Applicable Edition of Section XI Used for Repair/Replacement Activity 2001 EDITION, 2003 ADDENDA
 (c) Applicable Section XI Code Case(s) N/A

6. Identification Of Components

| Name of Component | Name of Manufacturer | Manufacturer Serial No. | National Board No. | Other Identification | Year Built | Corrected, Removed, or Installed | ASME Code Stamped (Yes or No) |
|--------------------|----------------------|-------------------------|--------------------|----------------------|------------|----------------------------------|-------------------------------|
| MECHANICAL SNUBBER | PACIFIC SCIENTIFIC | 26238 | N/A | N/A | 1986 | REMOVED | NO |
| HYDRAULIC SNUBBER | LISEGA | 31000732/010 | N/A | N/A | 2011 | INSTALLED | NO |
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7. Description of Work Replaced Pacific Scientific mechanical snubber with Lisega hydraulic snubber.
Scheduled upgrade per ED 96-0-0225 Rev. 1

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

Figure 1

FORM NIS-2 (Back)

W0# SNC 66786

9. Remarks Certificate of Compliance: Lisege and Pacific Scientific
Applicable Manufacturer's Data Reports to be attached

| CERTIFICATE OF COMPLIANCE | | | |
|--|--|-----------------|----------------|
| We certify that the statements made in the report are correct and that this <u>Replacement</u> conforms to the rules of the ASME Code, Section XI. <div style="text-align: center;">repair or replacement</div> | | | |
| Type Code Symbol Stamp | N/A | | |
| Certificate of Authorization No. | N/A | Expiration Date | N/A |
| Signed | <u>A. L. Whelan, Asst. Supt., for Asst. Mgr.</u> Owner or Owner's Designee, Title | Date | <u>6/19/12</u> |

| CERTIFICATE OF INSERVICE INSPECTION | |
|---|---|
| I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the state or Province of <u>GEORGIA</u> and employed by <u>HSB CT</u> of <u>HARTFORD CT</u> have inspected the components described in this Owner's Report during the period <u>04/11/2012</u> to <u>06/26/2012</u> , and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI. | |
| By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection. | |
| Inspector's Signature <u>[Signature]</u> | Commissions <u>NB12603A1N, GA690</u> National Board, State, Province and Endorsements |
| Date <u>06/27/2012</u> | |

Figure 1

FORM NIS-2 OWNER'S REPORT FOR REPAIR/REPLACEMENT ACTIVITY
As Required By The Provisions Of The ASME Code Section XI

1. Owner Southern Nuclear Operating Company Date April 25, 2012
Name
40 Inverness Ctr Pkwy, Birmingham, Al. 35242 Sheet 1 of 2
Address
2. Plant Joseph M. Farley Nuclear Plant (FNP) Unit FNP Unit 1
Name
7388 N. State Hwy 95, Columbia, Al. 36319 WO# SNC 66773
Address Repair/Replacement Organization P.O. No., Job No., etc.
3. Work Performed by FNP Maintenance Department Type Code Symbol N/A
Name Stamp
7388 N. State Hwy 95, Columbia, Al. 36319 Authorization N/A
Address No.
Expiration Date N/A
4. Identification of System Q1E13SNUBBCSR290A: E13: Containment Spray: Class 3
5. (a) Applicable Construction Code SECTION III 1971 Edition, SUMMER 1971 Addenda, N/A Code Case
(b) Applicable Edition of Section XI Used for Repair/Replacement Activity 2001 EDITION, 2003 ADDENDA
(c) Applicable Section XI Code Case(s) N/A

6. Identification Of Components

| Name of Component | Name of Manufacturer | Manufacturer Serial No. | National Board No. | Other Identification | Year Built | Corrected, Removed, or Installed | ASME Code Stamped (Yes or No) |
|-------------------|----------------------|-------------------------|--------------------|----------------------|------------|----------------------------------|-------------------------------|
| HYDRAULIC SNUBBER | ITT GRINNELL | 19546 | N/A | N/A | 1977 | REMOVED | NO |
| HYDRAULIC SNUBBER | ANVIL | 38465 | N/A | N/A | 2011 | INSTALLED | NO |
| ADAPTER PLATE | ANVIL | N/A | N/A | HT: 2H667 | 2011 | INSTALLED | NO |
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7. Description of Work
- Replaced ITT Grinnell snubber with Anvil snubber and Adapter plate. Scheduled upgrade per ED C092050401.

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

Figure 1

FORM NIS-2 (Back)

W0# SNC66773

9. Remarks Certificate of Compliance: Anvil
Applicable Manufacturer's Data Reports to be attached

| CERTIFICATE OF COMPLIANCE | | | |
|--|--|-----------------|----------------|
| We certify that the statements made in the report are correct and that this <u>Replacement</u> conforms to the rules of the ASME Code, Section XI. <div style="text-align: center;">repair or replacement</div> | | | |
| Type Code Symbol Stamp | N/A | | |
| Certificate of Authorization No. | N/A | Expiration Date | N/A |
| Signed | <u><i>A. L. Walker, Ph.D. Supt., for Int. Mgr.</i></u> Owner or Owner's Designee, Title | Date | <u>6/19/12</u> |

| CERTIFICATE OF INSERVICE INSPECTION | |
|---|--|
| I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the state or Province of <u>GEORGIA</u> and employed by <u>HSB CT</u> of <u>HARTFORD CT</u> have inspected the components described in this Owner's Report during the period <u>03/15/2012</u> to <u>06/26/2012</u> , and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI. | |
| By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection. | |
| <u><i>D. D. S. S.</i></u> Inspector's Signature | Commissions <u>NB12603A1N, GA69D</u> National Board, State, Province and Endorsements |
| Date <u>06/27/2012</u> | |

Figure 1

FORM NIS-2 OWNER'S REPORT FOR REPAIR/REPLACEMENT ACTIVITY
As Required By The Provisions Of The ASME Code Section XI

1. Owner Southern Nuclear Operating Company Date April 25, 2012
40 Inverness Ctr Pkwy, Birmingham, Al. 35242
 Name
 Address

2. Plant Joseph M. Farley Nuclear Plant (FNP) Sheet 1 of 2
7388 N. State Hwy 95, Columbia, Al. 36319
 Name
 Address

3. Work Performed by FNP Maintenance Department Unit FNP Unit 1
7388 N. State Hwy 95, Columbia, Al. 36319
 Name
 Address

4. Identification of System Q1E21SNUBBCVCSR503B: E21: Chemical Volume Control System/HHSI, CLASS 2

5. (a) Applicable Construction Code SECTION III 1971 Edition, SUMMER 1971 Addenda, N/A Code Case
 (b) Applicable Edition of Section XI Used for Repair/Replacement Activity 2001 EDITION, 2003 ADDENDA
 (c) Applicable Section XI Code Case(s) N/A

6. Identification Of Components

| Name of Component | Name of Manufacturer | Manufacturer Serial No. | National Board No. | Other Identification | Year Built | Corrected, Removed, or Installed | ASME Code Stamped (Yes or No) |
|-------------------|----------------------|-------------------------|--------------------|----------------------|------------|----------------------------------|-------------------------------|
| HYDRAULIC SNUBBER | ITT GRINNELL | CVCS-R503 | N/A | N/A | 1974 | REMOVED | NO |
| HYDRAULIC SNUBBER | LISEGA | 3110036/013 | N/A | N/A | 2011 | INSTALLED | NO |
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7. Description of Work Replaced ITT Grinnell snubber with Lisega snubber. Scheduled upgrade per ED SNC336822.

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

Figure 1

FORM NIS-2 (Back)

W6 # SNC 66776

9. Remarks Certificate of Compliance: Lisega
Applicable Manufacturer's Data Reports to be attached

| CERTIFICATE OF COMPLIANCE | | | |
|--|---|-----------------|----------------|
| We certify that the statements made in the report are correct and that this <u>Replacement</u> conforms to the rules of the ASME Code, Section XI. <div style="text-align: center;">repair or replacement</div> | | | |
| Type Code Symbol Stamp | N/A | | |
| Certificate of Authorization No. | N/A | Expiration Date | N/A |
| Signed | <u>Q. L. Williams, Asst. Supt. for Asst. Mgr.</u> Owner or Owner's Designee, Title | Date | <u>6/19/12</u> |

| CERTIFICATE OF INSERVICE INSPECTION | |
|---|---|
| I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the state or Province of <u>GEORGIA</u> and employed by <u>HSB CT</u> of <u>HARTFORD CT</u> have inspected the components described in this Owner's Report during the period <u>06/13/2012</u> to <u>06/27/2012</u> , and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI. | |
| By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection. | |
| Inspector's Signature <u>Redney Sam</u> | Commissions <u>NB12603A1N, GA690</u> National Board, State, Province and Endorsements |
| Date <u>06/27/2012</u> | |

Figure 1

FORM NIS-2 OWNER'S REPORT FOR REPAIR/REPLACEMENT ACTIVITY
As Required By The Provisions Of The ASME Code Section XI

1. Owner Southern Nuclear Operating Company Date April 16, 2012
40 Inverness Ctr Pkwy, Birmingham, Al. 35242 Sheet 1 of 2
Address
2. Plant Joseph M. Farley Nuclear Plant (FNP) Unit FNP Unit 1
7388 N. State Hwy 95, Columbia, Al. 36319 WO# SNC 66825
Address Repair/Replacement Organization P.O. No., Job No., etc.
3. Work Performed by FNP Maintenance Department Type Code Symbol N/A
Name Stamp N/A
7388 N. State Hwy 95, Columbia, Al. 36319 Authorization N/A
Address No. N/A
Expiration Date N/A
4. Identification of System Q1E21SNUBBCVCSR503A, E21- Chemical and Volume Control System, CLASS 2
5. (a) Applicable Construction Code See Remarks. Edition, N/A Addenda, N/A Code Case
(b) Applicable Edition of Section XI Used for Repair/Replacement Activity 2001 EDITION, 2003 ADDENDA
(c) Applicable Section XI Code Case(s) N/A

6. Identification Of Components

| Name of Component | Name of Manufacturer | Manufacturer Serial No. | National Board No. | Other Identification | Year Built | Corrected, Removed, or Installed | ASME Code Stamped (Yes or No) |
|-------------------|----------------------|-------------------------|--------------------|----------------------|------------|----------------------------------|-------------------------------|
| HYDRAULIC SNUBBER | ITT GRINNELL | 14677 | N/A | N/A | 1977 | REMOVED | NO |
| HYDRAULIC SNUBBER | LISEGA | 3110036/011 | N/A | N/A | 2011 | INSTALLED | NO |
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7. Description of Work
- Replaced ITT Grinnell snubber with Lisega snubber


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

Figure 1

FORM NIS-2 (Back)

WLO # SNC 66825

9. Remarks Designed per AISC 1969 Ed, Welded per AWS D1.1-86
Applicable Manufacturer's Data Reports to be attached
CERTIFICATE OF CONFORMANCE: LSEGA

| CERTIFICATE OF COMPLIANCE | | | |
|--|---|-----------------|---------------------|
| We certify that the statements made in the report are correct and that this <u>Replacement</u> conforms to the rules of the ASME Code, Section XI. <div style="text-align: center;">repair or replacement</div> | | | |
| Type Code Symbol Stamp | N/A | | |
| Certificate of Authorization No. | N/A | Expiration Date | N/A |
| Signed |  Owner or Owner's Designee, Title | | Date <u>6/19/12</u> |

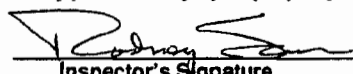
| CERTIFICATE OF INSERVICE INSPECTION | |
|---|--|
| I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the state or Province of <u>GEORGIA</u> and employed by <u>HSB CT</u> of <u>HARTFORD CT</u> have inspected the components described in this Owner's Report during the period <u>06/27/2012</u> to <u>07/13/2012</u> and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI. | |
| By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection. | |
|  Inspector's Signature | Commissions <u>NB12603A1N, C169D</u> National Board, State, Province and Endorsements |
| Date <u>06/27/2012</u> | |

Figure 1

FORM NIS-2 OWNER'S REPORT FOR REPAIR/REPLACEMENT ACTIVITY
As Required By The Provisions Of The ASME Code Section XI

1. Owner Southern Nuclear Operating Company Date April 25, 2012
Name
40 Inverness Ctr Pkwy, Birmingham, Al. 35242 Sheet 1 of 2
Address
2. Plant Joseph M. Farley Nuclear Plant (FNP) Unit FNP Unit 1
Name
7388 N. State Hwy 95, Columbia, Al. 36319 WO# SNC 66826
Address Repair/Replacement Organization P.O. No., Job No., etc.
3. Work Performed by FNP Maintenance Department Type Code Symbol N/A
Name Stamp
7388 N. State Hwy 95, Columbia, Al. 36319 Authorization N/A
Address No.
Expiration N/A
Date
4. Identification of System Q1E21SNUBBCVCSR504; E21: Chemical Volume Control System/ HHSI: Class 2
5. (a) Applicable Construction Code SECTION III 1971 Edition, SUMMER 1971 Addenda, N/A Code Case
(b) Applicable Edition of Section XI Used for Repair/Replacement Activity 2001 EDITION, 2003 ADDENDA
(c) Applicable Section XI Code Case(s) N/A

6. Identification Of Components

| Name of Component | Name of Manufacturer | Manufacturer Serial No. | National Board No. | Other Identification | Year Built | Corrected, Removed, or Installed | ASME Code Stamped (Yes or No) |
|-------------------|----------------------|-------------------------|--------------------|----------------------|------------|----------------------------------|-------------------------------|
| HYDRAULIC SNUBBER | ITT GRINNELL | 13918 | N/A | N/A | 1983 | REMOVED | NO |
| HYDRAULIC SNUBBER | LISEGA | 3110036/015 | N/A | N/A | 2011 | INSTALLED | NO |
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7. Description of Work
- Replaced ITT Grinnell snubber with Lisega snubber. Scheduled upgrade per ED SNC336822

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

Figure 1

FORM NIS-2 (Back)

W0# SNC66826

9. Remarks Certificate of Compliance: Lisega, NIS-2 Form: ITT Grinnell
Applicable Manufacturer's Data Reports to be attached

| CERTIFICATE OF COMPLIANCE | | | |
|--|--|-----------------|----------------|
| We certify that the statements made in the report are correct and that this <u>Replacement</u> conforms to the rules of the ASME Code, Section XI. <div style="text-align: center;">repair or replacement</div> | | | |
| Type Code Symbol Stamp | N/A | | |
| Certificate of Authorization No. | N/A | Expiration Date | N/A |
| Signed | <u><i>John H. Lewis, Mkt. Supt., for Mkt. Mgr.</i></u> Owner or Owner's Designee, Title | Date | <u>6/19/12</u> |

| CERTIFICATE OF INSERVICE INSPECTION | |
|---|--|
| I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the state or Province of <u>GEORGIA</u> and employed by <u>HSB CT</u> of <u>HARTFORD CT</u> have inspected the components described in this Owner's Report during the period <u>04/13/2012</u> to <u>06/27/2012</u> , and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI. | |
| By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection. | |
| <u><i>Redney Sam</i></u> Inspector's Signature | Commissions <u>NB12603A1N, GA690</u> National Board, State, Province and Endorsements |
| Date <u>06/27/2012</u> | |

Figure 1

FORM NIS-2 OWNER'S REPORT FOR REPAIR/REPLACEMENT ACTIVITY
As Required By The Provisions Of The ASME Code Section XI

1. Owner Southern Nuclear Operating Company Date April 16, 2012
40 Inverness Ctr Pkwy, Birmingham, Al. 35242
 Name
 Address

2. Plant Joseph M. Farley Nuclear Plant (FNP) Unit FNP Unit 1
7388 N. State Hwy 95, Columbia, Al. 36319
 Name
 Address

3. Work Performed by FNP Maintenance Department Type Code Symbol N/A
7388 N. State Hwy 95, Columbia, Al. 36319 Stamp
 Name Authorization N/A
 Address Expiration N/A
 Date

4. Identification of System Q1P17SNUBBCCWR428, P17- Component Cooling Water, CLASS 3

5. (a) Applicable Construction Code See Remarks. Edition, N/A Addenda, N/A Code Case
 (b) Applicable Edition of Section XI Used for Repair/Replacement Activity 2001 EDITION, 2003 ADDENDA
 (c) Applicable Section XI Code Case(s) N/A

6. Identification Of Components

| Name of Component | Name of Manufacturer | Manufacturer Serial No. | National Board No. | Other Identification | Year Built | Corrected, Removed, or Installed | ASME Code Stamped (Yes or No) |
|-------------------|----------------------|-------------------------|--------------------|----------------------|------------|----------------------------------|-------------------------------|
| HYDRAULIC SNUBBER | ITT GRINNELL | CCW-R428 | N/A | N/A | 1975 | REMOVED | NO |
| HYDRAULIC SNUBBER | LISEGA | 3110524/013 | N/A | N/A | 2011 | INSTALLED | NO |
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7. Description of Work Replaced ITT Grinnell hydraulic snubber with Lisega hydraulic snubber

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

Figure 1

FORM NIS-2 (Back)

WO # SNC 64165

9. Remarks Designed per AISC 1969 Ed, Welded per AWS D1.1-86
Applicable Manufacturer's Data Reports to be attached
CERTIFICATE OF COMPLIANCE : LISEGA

CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and that 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

A. L. Helms, Int. Supt., for Int. Mgr. Date 6/19/12
 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 HSB CT of HARTFORD CT have inspected the components described in this Owner's Report during the period 06/14/2012 to 06/27/2012 and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

[Signature]
 Inspector's Signature

Commissions

NB12603 AIN, GA690
 National Board, State, Province and Endorsements

Date 06/27/2012

Figure 1

FORM NIS-2 OWNER'S REPORT FOR REPAIR/REPLACEMENT ACTIVITY
As Required By The Provisions Of The ASME Code Section XI

1. Owner Southern Nuclear Operating Company Date April 25, 2012
40 Inverness Ctr Pkwy, Birmingham, Al. 35242 Sheet 1 of 2
 Address
2. Plant Joseph M. Farley Nuclear Plant (FNP) Unit FNP Unit 1
7388 N. State Hwy 95, Columbia, Al. 36319 WO# SNC 66774
 Address Repair/Replacement Organization P.O. No., Job No., etc.
3. Work Performed by FNP Maintenance Department Type Code Symbol N/A
7388 N. State Hwy 95, Columbia, Al. 36319 Stamp
 Address Authorization N/A
 No. Expiration N/A
 Date
4. Identification of System Q1E13SNUBBCSR296A: E13: Containment Spray: Class 3
5. (a) Applicable Construction Code SECTION III 1971 Edition, SUMMER 1971 Addenda, N/A Code Case
 (b) Applicable Edition of Section XI Used for Repair/Replacement Activity 2001 EDITION, 2003 ADDENDA
 (c) Applicable Section XI Code Case(s) N/A

6. Identification Of Components

| Name of Component | Name of Manufacturer | Manufacturer Serial No. | National Board No. | Other Identification | Year Built | Corrected, Removed, or Installed | ASME Code Stamped (Yes or No) |
|-------------------|----------------------|-------------------------|--------------------|----------------------|------------|----------------------------------|-------------------------------|
| HYDRAULIC SNUBBER | ITT GRINNELL | 14595 | N/A | N/A | 1975 | REMOVED | NO |
| HYDRAULIC SNUBBER | ANVIL | 38728 | N/A | N/A | 2012 | INSTALLED | NO |
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7. Description of Work
- Replace ITT Grinnell snubber with Anvil snubber. Scheduled upgrade per ED C092050401.

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

Figure 1

FORM NIS-2 (Back)

WO# SNC66774

9. Remarks Certificate of Compliance : Anvil
Applicable Manufacturer's Data Reports to be attached

| CERTIFICATE OF COMPLIANCE | | | |
|--|---|-----------------|----------------|
| We certify that the statements made in the report are correct and that this <u>Replacement</u> conforms to the rules of the ASME Code, Section XI. <u>repair or replacement</u> | | | |
| Type Code Symbol Stamp | N/A | | |
| Certificate of Authorization No. | N/A | Expiration Date | N/A |
| Signed | <u>R. L. Kikus, Int. Supt. for Int. Ingr.</u> Owner or Owner's Designee, Title | Date | <u>6/15/12</u> |

| CERTIFICATE OF INSERVICE INSPECTION | |
|--|--|
| I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the state or Province of <u>GEORGIA</u> and employed by <u>HSB CT</u> of <u>HARTFORD CT</u> <u>06/19/12</u> have inspected the components described in this Owner's Report during the period <u>03/09/2012</u> to <u>06/19/12</u> , and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI. | |
| By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection. | |
| Inspector's Signature <u>Rodney Sam</u> | Commissions <u>NB12603 AIN, GA690</u> National Board, State, Province and Endorsements |
| Date <u>06/22/2012</u> | |

Figure 1

FORM NIS-2 OWNER'S REPORT FOR REPAIR/REPLACEMENT ACTIVITY
As Required By The Provisions Of The ASME Code Section XI

1. Owner Southern Nuclear Operating Company Date April 23, 2012
40 Inverness Ctr Pkwy, Birmingham, Al. 35242 Sheet 1 of 2
Address
2. Plant Joseph M. Farley Nuclear Plant (FNP) Unit FNP Unit 1
7388 N. State Hwy 95, Columbia, Al. 36319 WO# SNC 65840
Address Repair/Replacement Organization P.O. No., Job No., etc.
3. Work Performed by FNP Maintenance Department Type Code Symbol N/A
Name Stamp N/A
7388 N. State Hwy 95, Columbia, Al. 36319 Authorization No. N/A
Address Expiration Date N/A
4. Identification of System Q1N11V002C: N11: MAIN STEAM: CLASS 2
5. (a) Applicable Construction Code SECTION III 1971 Edition, SUMMER 1971 Addenda, N/A Code Case
 (b) Applicable Edition of Section XI Used for Repair/Replacement Activity 2001 EDITION, 2003 ADDENDA
 (c) Applicable Section XI Code Case(s) N/A
6. Identification Of Components

| Name of Component | Name of Manufacturer | Manufacturer Serial No. | National Board No. | Other Identification | Year Built | Corrected, Removed, or Installed | ASME Code Stamped (Yes or No) |
|-------------------|----------------------|-------------------------|--------------------|----------------------|------------|----------------------------------|-------------------------------|
| DISC | LUKENS STEEL CO. | 5-340 | N/A | N/A | 1974 | REMOVED | YES |
| DISC | WEIR | FNP18 | N/A | N/A | 2008 | INSTALLED | YES |
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7. Description of Work Removed old disc due to normal wear and replaced with new.

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

Figure 1

Wo# SNC 65840

FORM NIS-2 (Back)

| | | |
|----|---------|---|
| 9. | Remarks | NPV-1 Form |
| | | Applicable Manufacturer's Data Reports to be attached |
| | | |
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| CERTIFICATE OF COMPLIANCE | | | |
|---|----------------------------------|-----------------|----------------|
| We certify that the statements made in the report are correct and that this <u>Replacement</u> 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 | <u>Richard R. Leonard Smith</u> | Date | <u>4/30/12</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>HSB CT</u> of <u>HARTFORD CT</u> have inspected the components described in this Owner's Report during the period <u>04/11/2012</u> to <u>05/02/2012</u> , and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI. | |
| By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection. | |
| <u>[Signature]</u> Inspector's Signature | Commissions <u>12603 AIN, GA690</u> National Board, State, Province and Endorsements |
| Date <u>05/02/2012</u> | |

Figure 1

FORM NIS-2 OWNER'S REPORT FOR REPAIR/REPLACEMENT ACTIVITY
As Required By The Provisions Of The ASME Code Section XI

1. Owner Southern Nuclear Operating Company Date April 16, 2012
40 Inverness Ctr Pkwy, Birmingham, Al. 35242 Sheet 1 of 2
 Address
 2. Plant Joseph M. Farley Nuclear Plant (FNP) Unit FNP Unit 1
7388 N. State Hwy 95, Columbia, Al. 36319 WO# SNC 66788
 Address Repair/Replacement Organization P.O. No., Job No., etc.
 3. Work Performed by FNP Maintenance Department Type Code Symbol N/A
7388 N. State Hwy 95, Columbia, Al. 36319 Stamp
 Authorization N/A
 No. Expiration N/A
 Date
 Address
 4. Identification of System Q1B21SNUBBFT414B, B-21- Steam Generator, CLASS 1
 5. (a) Applicable Construction Code See Remarks. Edition, N/A Addenda, N/A Code Case
 (b) Applicable Edition of Section XI Used for Repair/Replacement Activity 2001 EDITION, 2003 ADDENDA
 (c) Applicable Section XI Code Case(s) N/A

6. Identification Of Components

| Name of Component | Name of Manufacturer | Manufacturer Serial No. | National Board No. | Other Identification | Year Built | Corrected, Removed, or Installed | ASME Code Stamped (Yes or No) |
|--------------------|----------------------|-------------------------|--------------------|----------------------|------------|----------------------------------|-------------------------------|
| MECHANICAL SNUBBER | PACIFIC SCIENTIFIC | 38215 | N/A | N/A | 1986 | REMOVED | NO |
| HYDRAULIC SNUBBER | LISEGA | 3110689/006 | N/A | N/A | 2011 | INSTALLED | NO |
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7. Description of Work Replaced Pacific Scientific mechanical snubber with Lisega hydraulic snubber

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

Figure 1

FORM NIS-2 (Back)

No# SNC66788

9. Remarks Designed per AISC 1969 Ed, Welded per AWS D1.1-86
Applicable Manufacturer's Data Reports to be attached
CERTIFICATE OF CONFORMANCE: LISA

| CERTIFICATE OF COMPLIANCE | | | |
|--|---|-----------------|----------------|
| We certify that the statements made in the report are correct and that this <u>Replacement</u> conforms to the rules of the ASME Code, Section XI. <div style="text-align: center;">repair or replacement</div> | | | |
| Type Code Symbol Stamp | N/A | | |
| Certificate of Authorization No. | N/A | Expiration Date | N/A |
| Signed | <u><i>D. L. Wilson, Pres. Supt. for Mkt. Mgr.</i></u> Owner or Owner's Designee, Title | Date | <u>6/19/12</u> |

| CERTIFICATE OF INSERVICE INSPECTION | | | |
|---|--|-------------|--|
| I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the state or Province of <u>GEORGIA</u> and employed by <u>H&B CT</u> of <u>HARTFORD CT</u> have inspected the components described in this Owner's Report during the period <u>06/12/2012</u> to <u>06/25/2012</u> , and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI. | | | |
| By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection. | | | |
| <u><i>Rodney Sam</i></u> Inspector's Signature | | Commissions | <u>NB12603 AIN, GA 690</u> National Board, State, Province and Endorsements |
| Date <u>06/25/2012</u> | | | |

Figure 1

FORM NIS-2 OWNER'S REPORT FOR REPAIR/REPLACEMENT ACTIVITY
As Required By The Provisions Of The ASME Code Section XI

1. Owner Southern Nuclear Operating Company Date June 19, 2012
Name
40 Inverness Ctr Pkwy, Birmingham, Al. 35242 Sheet 1 of 2
Address
2. Plant Joseph M. Farley Nuclear Plant (FNP) Unit FNP Unit 1
Name
7388 N. State Hwy 95, Columbia, Al. 36319 WO# SNC 67355
Address Repair/Replacement Organization P.O. No., Job No., etc.
3. Work Performed by FNP Maintenance Department Type Code Symbol N/A
Name Stamp
7388 N. State Hwy 95, Columbia, Al. 36319 Authorization N/A
Address No. Expiration N/A
Date
4. Identification of System Q1P16V005D- P16- Service Water System- Class 3
5. (a) Applicable Construction Code SECTION III 1971 Edition, SUMMER 1972 Addenda, N/A Code Case
(b) Applicable Edition of Section XI Used for Repair/Replacement Activity 2001 EDITION, 2003 ADDENDA
(c) Applicable Section XI Code Case(s) N/A

6. Identification Of Components

| Name of Component | Name of Manufacturer | Manufacturer Serial No. | National Board No. | Other Identification | Year Built | Corrected, Removed, or Installed | ASME Code Stamped (Yes or No) |
|-------------------|----------------------|-------------------------|--------------------|----------------------|------------|----------------------------------|-------------------------------|
| 2" BALL VALVE | BNL | A060102-1-5 | N/A | N/A | 2006 | REMOVED | YES |
| | | | | | | | |
| 2" BALL VALVE | BNL | A070809-1-51 | N/A | N/A | 2007 | INSTALLED | YES |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |

7. Description of Work Replaced BNL ball valve with new BNL ball valve due to degradation
8. Test Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☒ Exempt ☐
Other ☐ Pressure _____ psi Test Temp. _____ °F

Figure 1

FORM NIS-2 (Back)

WO# SNC67355

9. Remarks NPV-1 Forms, Certificate of Compliance
Applicable Manufacturer's Data Reports to be attached

| CERTIFICATE OF COMPLIANCE | | | |
|--|--|-----------------|----------------|
| We certify that the statements made in the report are correct and that this <u>Replacement</u> 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 | <u>Ad. H. H. Hunt, Sr. Supt. for Hunt Mfg.</u> | Date | <u>6/14/12</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>HSB CT</u> of <u>HARTFORD CT</u> have inspected the components described in this Owner's Report during the period <u>06/25/2012</u> to <u>02/10/12</u> and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI. | |
| By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection. | |
|  Inspector's Signature | Commissions <u>HB1260341N, GA690</u> National Board, State, Province and Endorsements |
| Date <u>06/25/2012</u> | |

Figure 1

FORM NIS-2 OWNER'S REPORT FOR REPAIR/REPLACEMENT ACTIVITY
As Required By The Provisions Of The ASME Code Section XI

| | | | | |
|----|---|---|-----------------------------|--|
| 1. | Owner | <u>Southern Nuclear Operating Company</u> Name <u>40 Inverness Ctr Pkwy, Birmingham, Al. 35242</u> Address <u>Joseph M. Farley Nuclear Plant (FNP)</u> Name <u>7388 N. State Hwy 95, Columbia, Al. 36319</u> Address | Date | <u>April 23, 2012</u> |
| 2. | Plant | | Sheet | <u>1</u> of <u>2</u> |
| | | | Unit | <u>FNP Unit 1</u> |
| | | | | <u>WO# SNC 359359</u> |
| | | | | <u>Repair/Replacement Organization P.O. No., Job No., etc.</u> |
| 3. | Work Performed by | <u>FNP Maintenance Department</u> Name <u>7388 N. State Hwy 95, Columbia, Al. 36319</u> Address | Type Code Symbol | <u>N/A</u> |
| | | | Stamp | <u></u> |
| | | | Authorization | <u>N/A</u> |
| | | | No. | <u></u> |
| | | | Expiration | <u>N/A</u> |
| | | | Date | <u></u> |
| 4. | Identification of System | <u>N1N23FO2861C: N23: Aux. Feedwater: Class 3</u> | | |
| 5. | (a) Applicable Construction Code | <u>SECTION III 1971 Edition,</u> | <u>SUMMER 1971 Addenda,</u> | <u>N/A</u> Code Case |
| | (b) Applicable Edition of Section XI Used for Repair/Replacement Activity | <u>2001 EDITION, 2003 ADDENDA</u> | | |
| | (c) Applicable Section XI Code Case(s) | <u>N/A</u> | | |
| 6. | Identification Of Components | | | |

[illegible]

7. **Description of Work** *Removed old orifice plate due to normal wear, and installed new orifice plate with correct bore.*

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

Figure 1

FORM NIS-2 (Back)

WO# SNE 359359

9. Remarks CMTR, Certificate of Conformance
Applicable Manufacturer's Data Reports to be attached

CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and that 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

AR Phillips, Mnt. Supt. for Mnt. Mgr.
 Owner or Owner's Designee, Title

Date 6/21/12

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 HSB CT of HARTFORD CT have inspected the components described in this Owner's Report during the period 04/17/2012 to 06/25/2012, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

[Signature]
 Inspector's Signature

Commissions

NB12603A12, GA690
 National Board, State, Province and Endorsements

Date 06/25/2012

Figure 1

FORM NIS-2 OWNER'S REPORT FOR REPAIR/REPLACEMENT ACTIVITY
As Required By The Provisions Of The ASME Code Section XI

1. Owner Southern Nuclear Operating Company Date April 23, 2012
40 Inverness Ctr Pkwy, Birmingham, AL 35242
 Name Address
 2. Plant Joseph M. Farley Nuclear Plant (FNP) Unit FNP Unit 1
7388 N. State Hwy 95, Columbia, AL 36319
 Name Address
 WO# SNC 359361
 Repair/Replacement Organization P.O. No., Job No., etc.
 3. Work Performed by FNP Maintenance Department Type Code Symbol N/A
7388 N. State Hwy 95, Columbia, AL 36319 Stamp Authorization No. N/A
 Name Expiration Date N/A
 Address
 4. Identification of System N1N23FO2862C: N23: Aux. Feedwater: Class 3
 5. (a) Applicable Construction Code SECTION III 1971 Edition, SUMMER 1971 Addenda, N/A Code Case
 (b) Applicable Edition of Section XI Used for Repair/Replacement Activity 2001 EDITION, 2003 ADDENDA
 (c) Applicable Section XI Code Case(s) N/A

6. Identification Of Components

| Name of Component | Name of Manufacturer | Manufacturer Serial No. | National Board No. | Other Identification | Year Built | Corrected, Removed, or Installed | ASME Code Stamped (Yes or No) |
|-------------------|------------------------|-------------------------|--------------------|----------------------|------------|----------------------------------|-------------------------------|
| 4" ORIFICE PLATE | UNK | UNK | N/A | N/A | UNK | REMOVED | UNK |
| 4" ORIFICE PLATE | MID-SOUTH NUCLEAR INC. | N/A | N/A | HT: 7NL2 | 2012 | INSTALLED | YES |
| | | | | | | | |
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7. Description of Work
- Removed old orifice plate due to normal wear, and installed new orifice plate with correct bore.

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

Figure 1

W0# SUC 359361

FORM NIS-2 (Back)

9. Remarks CMTR, Certificate of Conformance
Applicable Manufacturer's Data Reports to be attached

CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and that 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

A. L. Helms, Int. Supt., Per Int. Mgr.
 Owner or Owner's Designee, Title

Date 6/21/12

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 HSB CT of HARTFORD CT have inspected the components described in this Owner's Report during the period 04/17/2012 to 06/25/2012, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

[Signature]
 Inspector's Signature

Commissions

NB12603A1N, GA690
 National Board, State, Province and Endorsements

Date 06/25/2012

Figure 1

FORM NIS-2 OWNER'S REPORT FOR REPAIR/REPLACEMENT ACTIVITY
As Required By The Provisions Of The ASME Code Section XI

1. Owner Southern Nuclear Operating Company Date April 23, 2012
40 Inverness Ctr Pkwy, Birmingham, Al. 35242 Sheet 1 of 2
 Address
2. Plant Joseph M. Farley Nuclear Plant (FNP) Unit FNP Unit 1
7388 N. State Hwy 95, Columbia, Al. 36319 WO# SNC 359357
 Address Repair/Replacement Organization P.O. No., Job No., etc.
3. Work Performed by FNP Maintenance Department Type Code Symbol N/A
7388 N. State Hwy 95, Columbia, Al. 36319 Stamp Authorization No. N/A
 Address Expiration Date N/A
4. Identification of System N1N23FO2861A: N23: Aux. Feedwater: Class 3
5. (a) Applicable Construction Code SECTION III 1971 Edition, SUMMER 1971 Addenda, N/A Code Case
 (b) Applicable Edition of Section XI Used for Repair/Replacement Activity 2001 EDITION, 2003 ADDENDA
 (c) Applicable Section XI Code Case(s) N/A

6. Identification Of Components

| Name of Component | Name of Manufacturer | Manufacturer Serial No. | National Board No. | Other Identification | Year Built | Corrected, Removed, or Installed | ASME Code Stamped (Yes or No) |
|-------------------|------------------------|-------------------------|--------------------|----------------------|------------|----------------------------------|-------------------------------|
| 4" ORIFICE PLATE | UNK | UNK | N/A | N/A | UNK | REMOVED | UNK |
| 4" ORIFICE PLATE | MID-SOUTH NUCLEAR INC. | N/A | N/A | HT: 7NL2 | 2012 | INSTALLED | YES |
| | | | | | | | |
| | | | | | | | |
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| | | | | | | | |

7. Description of Work Removed old orifice plate due to normal wear, and installed new orifice plate with correct bore.

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

06/20/12 08:37:47

SHARED

FNP-0-GMP-0.2

Figure 1

W0# SNC359357

FORM NIS-2 (Back)

9. Remarks

CMTA, CERTIFICATE OF ^{CON} PERFORMANCE

Applicable Manufacturer's Data Reports to be attached

CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and that 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

A. L. Kahars, Mkt. Supt. For Mkt. Mgr.
Owner or Owner's Designee, Title

Date 6/21/12

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 HSB CT of HARTFORD CT have inspected the components described in this Owner's Report during the period 06/25/2012 to 07/17/2012 and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

[Signature]
Inspector's Signature

Commissions

NB12603A1N, GA 690
National Board, State, Province and Endorsements

Date 06/25/2012

Figure 1

FORM NIS-2 OWNER'S REPORT FOR REPAIR/REPLACEMENT ACTIVITY
As Required By The Provisions Of The ASME Code Section XI

1. Owner Southern Nuclear Operating Company Date April 23, 2012
40 Inverness Ctr Pkwy, Birmingham, Al. 35242 Sheet 1 of 2
 Address
2. Plant Joseph M. Farley Nuclear Plant (FNP) Unit FNP Unit 1
7388 N. State Hwy 95, Columbia, Al. 36319 WO# SNC 359356
 Address Repair/Replacement Organization P.O. No., Job No., etc.
3. Work Performed by FNP Maintenance Department Type Code Symbol N/A
7388 N. State Hwy 95, Columbia, Al. 36319 Stamp N/A
 Address Authorization No. N/A
 Expiration Date N/A
4. Identification of System N1N23FQ2862A: N23: Aux. Feedwater: Class 3
5. (a) Applicable Construction Code SECTION III 1971 Edition, SUMMER 1971 Addenda, N/A Code Case
 (b) Applicable Edition of Section XI Used for Repair/Replacement Activity 2001 EDITION, 2003 ADDENDA
 (c) Applicable Section XI Code Case(s) N/A

6. Identification Of Components

| Name of Component | Name of Manufacturer | Manufacturer Serial No. | National Board No. | Other Identification | Year Built | Corrected, Removed, or Installed | ASME Code Stamped (Yes or No) |
|-------------------|------------------------|-------------------------|--------------------|----------------------|------------|----------------------------------|-------------------------------|
| 4" ORIFICE PLATE | UNK | UNK | N/A | N/A | UNK | REMOVED | UNK |
| 4" ORIFICE PLATE | MID-SOUTH NUCLEAR INC. | N/A | N/A | HT: 7NL2 | 2012 | INSTALLED | YES |
| | | | | | | | |
| | | | | | | | |
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| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |

7. Description of Work Removed old orifice plate due to normal wear, and installed new orifice plate with correct bore.
8. Test Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☒ Exempt ☐
 Other ☐ Pressure _____ psi Test Temp. _____ °F

06/20/12 08:37:22

SHARED

FNP-0-GMP-0.2

Figure 1

FORM NIS-2 (Back)

WO#51359356

9. Remarks CMTN, CERTIFICATE OF CONFORMANCE
Applicable Manufacturer's Data Reports to be attached

CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and that 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

Ad. Khush, Mnt. Supt. for Mnt. Insp.
Owner or Owner's Designee Title

Date 6/21/12

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 HSB CT of HARTFORD CT have inspected the components described in this Owner's Report during the period 06/25/2012 to 06/17/2012, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

[Signature]
Inspector's Signature

Commissions

NB12603A1N, GA690
National Board, State, Province and Endorsements

Date 06/25/2012

06/20/12 08:38:12

FNP-0-GMP-0.2

Figure 1

WD# SNC 359358

FORM NIS-2 (Back)

9. Remarks CMTN, CERTIFICATE OF CONFORMANCE
Applicable Manufacturer's Data Reports to be attached

CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and that 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

A. L. Hekker, Maint. Supt., for Maint. Mgrs.
Owner or Owner's Designee, Title

Date

6/21/12

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 HSB CT of HARTFORD CT have inspected the components described in this Owner's Report during the period 04/17/2012 to 06/25/2012, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

[Signature]
Inspector's Signature

Commissions

NB12603 A1N, QA690

National Board, State, Province and Endorsements

Date

06/25/2012

Figure 1

FORM NIS-2 OWNER'S REPORT FOR REPAIR/REPLACEMENT ACTIVITY
As Required By The Provisions Of The ASME Code Section XI

| | | | |
|---|---|-------------------|---|
| 1. Owner | <u>Southern Nuclear Operating Company</u> Name <u>40 Inverness Ctr Pkwy, Birmingham, Al. 35242</u> Address | Date | <u>April 23, 2012</u> |
| 2. Plant | <u>Joseph M. Farley Nuclear Plant (FNP)</u> Name <u>7388 N. State Hwy 95, Columbia, Al. 36319</u> Address | Sheet | <u>1</u> of <u>2</u> |
| 3. Work Performed by | <u>FNP Maintenance Department</u> Name <u>7388 N. State Hwy 95, Columbia, Al. 36319</u> Address | Unit | <u>FNP Unit 1</u> <u>WO# SNC 359360</u> Repair/Replacement Organization P.O. No., Job No., etc. |
| 4. Identification of System | <u>N1N23FO2862B: N23: Aux. Feedwater: Class 3</u> | Type Code Symbol | <u>N/A</u> |
| 5. (a) Applicable Construction Code | <u>SECTION III 1971 Edition,</u> | Stamp | <u>N/A</u> |
| (b) Applicable Edition of Section XI Used for Repair/Replacement Activity | <u>2001 EDITION, 2003 ADDENDA</u> | Authorization No. | <u>N/A</u> |
| (c) Applicable Section XI Code Case(s) | <u>N/A</u> | Expiration Date | <u>N/A</u> |

6. Identification Of Components

[illegible]

7. **Description of Work** *Removed old orifice plate due to normal wear, and installed new orifice plate with correct bore.*

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

Figure 1

FORM NIS-2 (Back)

W0# SNE 359360

9. Remarks CMTR, Certificate of Conformance
Applicable Manufacturer's Data Reports to be attached

CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and that 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

A. L. Helms, Plant Supt. for Plant. Mgr.
 Owner or Owner's Designee, Title

Date 6/21/12

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 HSB CT of HARTFORD CT have inspected the components described in this Owner's Report during the period 06/17/2012 to 06/25/2012, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

[Signature]
 Inspector's Signature

Commissions

NB12603A1N GA69D
 National Board, State, Province and Endorsements

Date 06/25/2012

Figure 1

FORM NIS-2 OWNER'S REPORT FOR REPAIR/REPLACEMENT ACTIVITY
As Required By The Provisions Of The ASME Code Section XI

1. Owner Southern Nuclear Operating Company Date April 23, 2012
40 Inverness Ctr Pkwy, Birmingham, AL 35242
 Name Address
 2. Plant Joseph M. Farley Nuclear Plant (FNP) Unit FNP Unit 1
7388 N. State Hwy 95, Columbia, AL 36319
 Name Address
 WO# SNC 60147
 Repair/Replacement Organization P.O. No., Job No., etc.
 3. Work Performed by FNP Maintenance Department Type Code Symbol N/A
 Name Stamp
 Authorization N/A
 No. Expiration
 Date N/A
7388 N. State Hwy 95, Columbia, AL 36319
 Address
 4. Identification of System Q1P16V0011A: P16: SERVICE WATER CODE CLASS 3
 5. (a) Applicable Construction Code SECTION III 1971 Edition, SUMMER 1971 Addenda, N/A Code Case
 (b) Applicable Edition of Section XI Used for Repair/Replacement Activity 2001 EDITION, 2003 ADDENDA
 (c) Applicable Section XI Code Case(s) N/A

6. Identification Of Components

| Name of Component | Name of Manufacturer | Manufacturer Serial No. | National Board No. | Other Identification | Year Built | Corrected, Removed, or Installed | ASME Code Stamped (Yes or No) |
|-------------------|---------------------------|-------------------------|--------------------|----------------------|------------|----------------------------------|-------------------------------|
| RELIEF VALVE | LONERGAN CO. | 210130-5-1 | N/A | N/A | 1972 | REMOVED | YES |
| ½" NUTS | | | N/A | N/A | | REMOVED | NO |
| ½" X 13 UNC STUDS | | | N/A | N/A | | REMOVED | NO |
| RELIEF VALVE | ANDERSON GREENWOOD CROSBY | N99904-00-0020 | N/A | N/A | 2011 | INSTALLED | YES |
| ½" NUTS | TRUST MFG. | HT: 466900 | N/A | N/A | 2011 | INSTALLED | NO |
| ½" X 13 UNC STUDS | NOVA | HT: 10061010 | N/A | N/A | 2011 | INSTALLED | NO |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |

7. Description of Work
- Replaced Lonergan valve with Crosby valve. Not a valve failure.

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

Figure 1

W0# SNC 6047

FORM NIS-2 (Back)

9. Remarks CERTIFICATE OF COMPLIANCE: MIDSOUTH NUCLEAR CONSOLIDATED PERSON
NV-1
 Applicable Manufacturer's Data Reports to be attached

CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and that 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

A. L. Helms, Int. Supt. for Int. Mgr.
 Owner or Owner's Designee, Title

Date 6/19/12

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 H3B CT of WATERFORD CT have inspected the components described in this Owner's Report during the period 04/05/2012 to 06/25/2012, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

[Signature]
 Inspector's Signature

Commissions

NB12603A1N, GA690

National Board, State, Province and Endorsements

Date 06/25/2012

Figure 1

FORM NIS-2 OWNER'S REPORT FOR REPAIR/REPLACEMENT ACTIVITY
As Required By The Provisions Of The ASME Code Section XI

1. Owner Southern Nuclear Operating Company Date June 21, 2012
40 Inverness Ctr Pkwy, Birmingham, Al. 35242
 Name
 Address
2. Plant Joseph M. Farley Nuclear Plant (FNP) Sheet 1 of 2
7388 N. State Hwy 95, Columbia, Al. 36319
 Name
 Address
3. Work Performed by FNP Maintenance Department Unit FNP Unit 1
 Name
7388 N. State Hwy 95, Columbia, Al. 36319
 Address
4. Identification of System Q1B13SNUBBRCR219- B13- CLASS 1
5. (a) Applicable Construction Code SECTION III 1971 Edition, SUMMER 1972 Addenda, N/A Code Case
 (b) Applicable Edition of Section XI Used for Repair/Replacement Activity 2001 EDITION, 2003 ADDENDA
 (c) Applicable Section XI Code Case(s) N/A
6. Identification Of Components

| Name of Component | Name of Manufacturer | Manufacturer Serial No. | National Board No. | Other Identification | Year Built | Corrected, Removed, or Installed | ASME Code Stamped (Yes or No) |
|-------------------|----------------------|-------------------------|--------------------|----------------------|------------|----------------------------------|-------------------------------|
| HYDRAULIC SNUBBER | ITT GRINNELL | RC-R54 | N/A | N/A | 1974 | REMOVED | NO |
| HYDRAULIC SNUBBER | LISEGA | 3110512/017 | N/A | N/A | 2011 | INSTALLED | NO |
| | | | | | | | |
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7. Description of Work Replace ITT Grinnell snubber with Lisega snubber due to scheduled upgrade.

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

Figure 1

W0# SNC 64112

FORM NIS-2 (Back)

9. Remarks Designed per AISC 1969 Ed. Welded per AWS D1. 1-86
Applicable Manufacturer's Data Reports to be attached
CERTIFICATE OF COMPLIANCE: L1SEGA

| CERTIFICATE OF COMPLIANCE | | | |
|--|---|-----------------|---------------------|
| We certify that the statements made in the report are correct and that this <u>Replacement</u> 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 | <u>A. J. Williams, Dist. Supt., for Dist. Insp.</u> | | Date <u>6/21/12</u> |
| Owner or Owner's Designee, Title | | | |

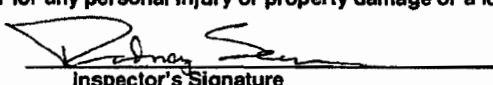
| CERTIFICATE OF INSERVICE INSPECTION | | | |
|---|--|---|--|
| I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the state or Province of <u>Georgia</u> and employed by <u>HSB CT</u> of <u>HANFORD CT</u> | | | |
| have inspected the components described in this Owner's Report during the period <u>04/07/2012</u> to <u>06/25/2012</u> , and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI. | | | |
| By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection. | | | |
|  Inspector's Signature | | Commissions <u>NB12603AN, GA690</u> National Board, State, Province and Endorsements | |
| Date <u>06/25/2012</u> | | | |

Figure 1

FORM NIS-2 OWNER'S REPORT FOR REPAIR/REPLACEMENT ACTIVITY
As Required By The Provisions Of The ASME Code Section XI

1. Owner Southern Nuclear Operating Company Date April 23, 2012
 Name
 40 Inverness Ctr Pkwy, Birmingham, AL 35242
 Address
2. Plant Joseph M. Farley Nuclear Plant (FNP) Sheet 1 of 2
 Name
 7388 N. State Hwy 95, Columbia, AL 36319
 Address
3. Work Performed by FNP Maintenance Department Unit FNP Unit 1
 Name
 7388 N. State Hwy 95, Columbia, AL 36319
 Address
4. Identification of System Q1P16V0011B- P16- SERVICE WATER, Class 3
5. (a) Applicable Construction Code SECTION III 1971 Edition, SUMMER 1971 Addenda, N/A Code Case
 (b) Applicable Edition of Section XI Used for Repair/Replacement Activity 2001 EDITION, 2003 ADDENDA
 (c) Applicable Section XI Code Case(s) N/A

6. Identification Of Components

| Name of Component | Name of Manufacturer | Manufacturer Serial No. | National Board No. | Other Identification | Year Built | Corrected, Removed, or Installed | ASME Code Stamped (Yes or No) |
|-------------------|---------------------------|-------------------------|--------------------|----------------------|------------|----------------------------------|-------------------------------|
| SAFETY VALVE | LONERGAN CO. | 210130-5-2 | N/A | N/A | 1972 | REMOVED | YES |
| ½" NUTS | UNK | UNK | N/A | N/A | UNK | REMOVED | NO |
| ½" X 13 UNC STUDS | UNK | UNK | N/A | N/A | UNK | REMOVED | NO |
| SAFETY VALVE | ANDERSON GREENWOOD CROSBY | N99904-00-0016 | N/A | QP100626 | 2011 | INSTALLED | YES |
| ½" NUTS | TRUST MFG. | HT: 466900 | N/A | AKEU | 2011 | INSTALLED | NO |
| ½" X 13 UNC STUDS | NOVA | HT: 10061010 | N/A | 5M77 | 2011 | INSTALLED | NO |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |

7. Description of Work Removed Lonergan safety valve, and replaced with Crosby safety valve. Not a valve failure. Studs and nuts replaced to accommodate new valve design.

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

Figure 1

WO# SNC55708

FORM NIS-2 (Back)

9. Remarks

Applicable Manufacturer's Data Reports to be attached

NV-1 form for new valve attached. Transaction numbers for WO# SNC55708: 2772041, 3286957, 3286959.

CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and that 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

A. L. Weber, Ant. Supt. for Mnt. Ingr.
Owner or Owner's Designee, Title

Date

6/15/12

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 HSB CT of HARTFORD CT have inspected the components described in this Owner's Report during the period 04/05/2012 to 06/25/2012, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

[Signature]
Inspector's Signature

Commissions

NB12603A1N 4A690

National Board, State, Province and Endorsements

Date

06/25/2012

SHARED

Figure 1

Version 24.0

FORM NIS-2 OWNER'S REPORT FOR REPAIR/REPLACEMENT ACTIVITY
As Required By The Provisions Of The ASME Code Section XI

1. **Owner** Southern Nuclear Operating Co. **Date** 4/23/2012
Name
40 Inverness Center Parkway, Birmingham, AL
35242 **Sheet** 1 **of** 2
Address
2. **Plant** Joseph M. Farley Nuclear Plant (FNP) **Unit** FNP Unit 1
Name
7388 North State Hwy 95, Columbla, AL
36319 **P16 - WO SNC384548**
Address **Repair/Replacement Organization P.O. No., Job No., etc.**
3. **Work Performed by** Aquilex WSI **Type Code Symbol** N/A
Name **Stamp**
2225 Skyland Court, Norcross, GA 30071 **Authorization** N/A
No. **Expiration** N/A
Date
4. **Identification of System** Q1P16 / 8" HBC-233 (SW "B" Train Vacuum Breaker) - Class 3
5. (a) **Applicable Construction Code** 1971 **Edition,** Summer 1971 **Addenda,** N/A **Code Case**
(b) **Applicable Edition of Section XI Used for Repair/Replacement Activity** 2001 Edition, 2003 Addenda
(c) **Applicable Section XI Code Case(s)** N/A
6. **Identification Of Components**

| Name of Component | Name of Manufacturer | Manufacturer Serial No. | National Board No. | Other Identification | Year Built | Corrected, Removed, or Installed | ASME Code Stamped (Yes or No) |
|------------------------------|---------------------------------|-------------------------|--------------------|----------------------|------------|----------------------------------|-------------------------------|
| 8" ELBOW | TAYLOR FORGE | LVSD-1 | N/A | QP000950 | 2001 | INSTALLED | NO |
| ER70S-2 (1/8") FILLER METAL | ESAB WELDING & CUTTING PRODUCTS | 065918 | N/A | QP100997 | 2010 | INSTALLED | NO |
| ER70S-2 (3/32") FILLER METAL | ESAB WELDING & CUTTING PRODUCTS | 065735 | N/A | QP060542/001 | 2005 | INSTALLED | NO |
| 8" ELBOW | DANIEL | UNKNOWN | N/A | FNP-295 | 1975 | REMOVED | NO |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |

7. **Description of Work** Pinhole leak discovered on elbow to valve weld. Elbow replaced. Also performed a base metal build-up on inside of pipe and inside of valve end to obtain fit-up to elbow.

8. **Test Conducted:** Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☒ Exempt ☐
Other ☐ Pressure 100 psi Test Temp. 95 °F

04/24/12 08:36:21

SHARED

FNP-0-GMP-0.2

Figure 1

W0# SNC384548

FORM NIS-2 (Back)

9. Remarks Transaction No: 588112 (Elbow), ER70S-2 1/8" and 3/32" MIP 0001, 0002, 0004, 0005, 0006, & 0008.
Applicable Manufacturer's Data Reports to be attached
No changes to original construction requirements.

WORK CONTROLLED AND INSPECTED PER SNA QA PROGRAM BUT PERFORMED BY
AQUILEX-WSI WELDING PERSONNEL USING AQUILEX-WSI WPS 01-01-TS-200 REV. 5 ^{REV. 5} _{5/14/12}

| CERTIFICATE OF COMPLIANCE | | | |
|--|--|-----------------|----------------|
| We certify that the statements made in the report are correct and that this <u>replacement</u> 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 | <u>Ad Wilson for Leonard Smith</u> Owner or Owner's Designee, Title | Date | <u>4/30/12</u> |

| CERTIFICATE OF INSERVICE INSPECTION | | | |
|---|--|-------------|---|
| I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the state or Province of <u>Georgia</u> and employed by <u>HSB CT</u> of <u>HARTFORD CT</u> | | | |
| have inspected the components described in this Owner's Report during the period <u>05/14/2012</u> to <u>04/19/2012</u> and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI. | | | |
| By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection. | | | |
| Inspector's Signature <u>Raymond Smith</u> | | Commissions | <u>12603 AIN, GA69D</u> National Board, State, Province and Endorsements |
| Date <u>05/14/2012</u> | | | |

Figure 1

FORM NIS-2 OWNER'S REPORT FOR REPAIR/REPLACEMENT ACTIVITY
As Required By The Provisions Of The ASME Code Section XI

1. Owner Southern Nuclear Operating Company Date April 24, 2012
40 Inverness Ctr Pkwy, Birmingham, Al. 35242 Sheet 1 of 2
 Address
2. Plant Joseph M. Farley Nuclear Plant (FNP) Unit FNP Unit 1
7388 N. State Hwy 95, Columbia, Al. 36319 WO# SNC60381
 Address Repair/Replacement Organization P.O. No., Job No., etc.
3. Work Performed by FNP Maintenance Department Type Code Symbol N/A
7388 N. State Hwy 95, Columbia, Al. 36319 Stamp
 Address Authorization N/A
 No. Expiration N/A
 Date
4. Identification of System Q1P16F501A: P16: Service Water: Class 3
5. (a) Applicable Construction Code SECTION III 1971 Edition, SUMMER 1972 Addenda, N/A Code Case
 (b) Applicable Edition of Section XI Used for Repair/Replacement Activity 2001 EDITION, 2003 ADDENDA
 (c) Applicable Section XI Code Case(s) N/A

6. Identification Of Components

| Name of Component | Name of Manufacturer | Manufacturer Serial No. | National Board No. | Other Identification | Year Built | Corrected, Removed, or Installed | ASME Code Stamped (Yes or No) |
|-------------------|----------------------|-------------------------|--------------------|----------------------|------------|----------------------------------|-------------------------------|
| NUTS (8) | ENERGY STEEL | GX5 | N/A | N/A | 1986 | REMOVED | NO |
| STUDS (8) | ENERGY STEEL | GX4 | N/A | N/A | 1986 | REMOVED | NO |
| | | | | | | | |
| NUTS (8) | NOVA | B87035 | N/A | N/A | 2006 | INSTALLED | NO |
| STUDS (8) | ENERGY STEEL | GX4 | N/A | N/A | 1986 | INSTALLED | NO |
| | | | | | | | |
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7. Description of Work
- Replaced studs and nuts with new due to erosion.

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

Figure 1

FORM NIS-2 (Back)

WDF SNC60381

9. Remarks

Applicable Manufacturer's Data Reports to be attached

TRANSACTION NO. FOR NEW STUDS AND NUTS IS 208189.

CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and that 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

Ad Helms, Mnt. Supt. for Mnt. Mgr.
Owner or Owner's Designee, Title

Date 6/20/12

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 HSB CT of HARTFORD CT have inspected the components described in this Owner's Report during the period 05/03/2011 to 07/11/2012, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

[Signature]
Inspector's Signature

Commissions

NB12603A IN, GA690
National Board, State, Province and Endorsements

Date 07/11/2012

Figure 1

FORM NIS-2 OWNER'S REPORT FOR REPAIR/REPLACEMENT ACTIVITY
As Required By The Provisions Of The ASME Code Section XI

1. Owner Southern Nuclear Operating Company Date April 23, 2012
40 Inverness Ctr Pkwy, Birmingham, Al. 35242 Sheet 1 of 2
Address
2. Plant Joseph M. Farley Nuclear Plant (FNP) Unit FNP Unit 1
7388 N. State Hwy 95, Columbia, Al. 36319 WO# SNC 63541
Address Repair/Replacement Organization P.O. No., Job No., etc.
3. Work Performed by FNP Maintenance Department Type Code Symbol N/A
Name Stamp N/A
7388 N. State Hwy 95, Columbia, Al. 36319 Authorization No. N/A
Address Expiration Date N/A
4. Identification of System Q1N23V0068C: N23: AUX FEEDWATER: CLASS 3
5. (a) Applicable Construction Code SECTION III 1971 Edition, SUMMER 1971 Addenda, N/A Code Case
 (b) Applicable Edition of Section XI Used for Repair/Replacement Activity 2001 EDITION, 2003 ADDENDA
 (c) Applicable Section XI Code Case(s) N/A

6. Identification Of Components

| Name of Component | Name of Manufacturer | Manufacturer Serial No. | National Board No. | Other Identification | Year Built | Corrected, Removed, or Installed | ASME Code Stamped (Yes or No) |
|-------------------|---------------------------|-------------------------|--------------------|----------------------|------------|----------------------------------|-------------------------------|
| RELIEF VALVE | LONERAGON CO. | 21089-6-5 | N/A | N/A | UNK | REMOVED | YES |
| RELIEF VALVE | ANDERSON GREENWOOD CROSBY | N99846-00-0009 | N/A | N/A | 2010 | INSTALLED | YES |
| | | | | | | | |
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7. Description of Work
- Removed Lonergon valve, and replaced with Crosby valve. Not a valve failure.

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

Figure 1

FORM NIS-2 (Back)

Wo # SNC63541

9. Remarks

Applicable Manufacturer's Data Reports to be attached

ADDISON GREENWOOD CROSBY NV-1

| CERTIFICATE OF COMPLIANCE | | | |
|---|--|-----------------|----------------|
| We certify that the statements made in the report are correct and that this <u>Replacement</u> 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 | <u>[Signature]</u> Owner or Owner's Designee, Title | Date | <u>6/20/12</u> |

| CERTIFICATE OF INSERVICE INSPECTION | | | |
|---|--|--|--|
| I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the state or Province of <u>GEORGIA</u> and employed by <u>HSB CT</u> of <u>HARTFORD CT</u> have inspected the components described in this Owner's Report during the period <u>07/05/2012</u> to <u>09/05/2012</u> and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI. | | | |
| By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection. | | | |
| <u>[Signature]</u> Inspector's Signature | | Commissions <u>NB12603A1N, GA690</u> National Board, State, Province and Endorsements | |
| Date <u>07/05/2012</u> | | | |

Figure 1

FORM NIS-2 OWNER'S REPORT FOR REPAIR/REPLACEMENT ACTIVITY
As Required By The Provisions Of The ASME Code Section XI

1. Owner Southern Nuclear Operating Company Date February 23, 2012
40 Inverness Ctr Pkwy, Birmingham, Al. 35242
 Name Address
 Sheet 1 of 2
2. Plant Joseph M. Farley Nuclear Plant (FNP) Unit FNP Unit 1
7388 N. State Hwy 95, Columbia, Al. 36319
 Name Address
WO# 1081258001 (SNC54806) PWO-6/24/12
 Repair/Replacement Organization P.O. No., Job No., etc.
3. Work Performed by FNP Maintenance Department Type Code Symbol N/A
7388 N. State Hwy 95, Columbia, Al. 36319
 Name Address
 Stamp Authorization N/A
 No. Expiration Date N/A
4. Identification of System P12 - Q1P12P001A - CODE CLASS 3
5. (a) Applicable Construction Code SECTION III 1971 Edition, SUMMER 1971 Addenda, N/A Code Case
 (b) Applicable Edition of Section XI Used for Repair/Replacement Activity 2001 EDITION, 2003 ADDENDA
 (c) Applicable Section XI Code Case(s) N/A

6. Identification Of Components

| Name of Component | Name of Manufacturer | Manufacturer Serial No. | National Board No. | Other Identification | Year Built | Corrected, Removed, or Installed | ASME Code Stamped (Yes or No) |
|--------------------|----------------------|-------------------------|--------------------|----------------------|------------|----------------------------------|-------------------------------|
| BACK PULL-OUT ASSY | GOULDS PUMPS | N781B975 | 443 | FNP2-661 | 1978 | REMOVED | YES |
| BACK PULL-OUT ASSY | GOULDS PUMPS | N726B306-1 | 48 | FNP2-169 | 1975 | INSTALLED | YES |
| | | | | | | | |
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7. Description of Work
- REPLACE BACK PULL-OUT ASSEMBLY PER WO# 108258001

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

Figure 1

FORM NIS-2 (Back)

WO# SNC54806

9. Remarks

Applicable Manufacturer's Data Reports to be attached

Spare back pull-out assembly was rebuilt per WO# 108258001 and installed in RMW Pump Q1P12P001A per WO# 1081258001.

Transaction number for installed pull-out assembly is 206540.

CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and that 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. L. Williams, Maint. Supt. for Maint. Mgr.
Owner or Owner's Designee, Title

Date 6/20/12

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 HSB CT of HARTFORD CT have inspected the components described in this Owner's Report during the period 07/12/2012 to 02/23/2012, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

[Signature]
Inspector's Signature

Commissions

NB12603A1N, GA690
National Board, State, Province and Endorsements

Date 07/12/2012

Figure 1

FORM NIS-2 OWNER'S REPORT FOR REPAIR/REPLACEMENT ACTIVITY
As Required By The Provisions Of The ASME Code Section XI

1. Owner Southern Nuclear Operating Company Date April 25, 2012
40 Inverness Ctr Pkwy, Birmingham, Al. 35242
 Name _____
 Address _____
2. Plant Joseph M. Farley Nuclear Plant (FNP) Sheet 1 of 2
7388 N. State Hwy 95, Columbia, Al. 36319 Unit FNP Unit 1
 Name _____
 Address _____
3. Work Performed by FNP Maintenance Department Type Code Symbol N/A
 Name _____ Stamp _____
 Address 7388 N. State Hwy 95, Columbia, Al. 36319 Authorization No. N/A
 Expiration Date N/A
4. Identification of System Q1P16V006C: P16 : Service Water: Class 3
5. (a) Applicable Construction Code SECTION III 1971 Edition, SUMMER 1972 Addenda, N/A Code Case _____
 (b) Applicable Edition of Section XI Used for Repair/Replacement Activity 2001 EDITION, 2003 ADDENDA
 (c) Applicable Section XI Code Case(s) N/A

6. Identification Of Components

| Name of Component | Name of Manufacturer | Manufacturer Serial No. | National Board No. | Other Identification | Year Built | Corrected, Removed, or Installed | ASME Code Stamped (Yes or No) |
|-------------------|---------------------------|-------------------------|--------------------|----------------------|------------|----------------------------------|-------------------------------|
| RELIEF VALVE | ANDERSON GREENWOOD CROSBY | NJL40JGG9199-DG0150 | N/A | N/A | 1999 | REMOVED | YES |
| RELIEF VALVE | ANDERSON GREENWOOD CROSBY | N99904-00-0019 | N/A | N/A | 2011 | INSTALLED | YES |
| | | | | | | | |
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7. Description of Work
- Replaced relief valve due to corrosion. Change was approved by ED 1103283101

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

Figure 1

FORM NIS-2 (Back)

Job# SN66486

9. Remarks NPV-1 FORMApplicable Manufacturer's Data Reports to be attached

CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and that 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

A. L. Helms, Mnt. Supt., for Mnt. Mgr.
Owner or Owner's Designee, Title

Date

6/19/12

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 HSB CT of HARTFORD CT have inspected the components described in this Owner's Report during the period 03/26/2012 to 07/11/2012, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

[Signature]
Inspector's Signature

Commissions

NB12603A1N, GA690

National Board, State, Province and Endorsements

Date 07/11/2012

Figure 1

FORM NIS-2 OWNER'S REPORT FOR REPAIR/REPLACEMENT ACTIVITY
As Required By The Provisions Of The ASME Code Section XI

1. Owner Southern Nuclear Operating Company Date April 16, 2012
40 Inverness Ctr Pkwy, Birmingham, Al. 35242
 Name
 Address
2. Plant Joseph M. Farley Nuclear Plant (FNP) Sheet 1 of 2
7388 N. State Hwy 95, Columbia, Al. 36319 Unit FNP Unit 1
 Name
 Address WO# SNC 385056
 Repair/Replacement Organization P.O. No., Job No., etc.
3. Work Performed by FNP Maintenance Department Type Code Symbol N/A
7388 N. State Hwy 95, Columbia, Al. 36319 Stamp
 Name Authorization N/A
 No. Expiration N/A
 Date
4. Identification of System Q1E21SNUBBSS1992B, E21- Chemical Volume Control System - CLASS 1 ^{PRV} 6/20/12
5. (a) Applicable Construction Code See Remarks. Edition, N/A Addenda, N/A Code Case
 (b) Applicable Edition of Section XI Used for Repair/Replacement Activity 2001 EDITION, 2003 ADDENDA
 (c) Applicable Section XI Code Case(s) N/A

6. Identification Of Components

| Name of Component | Name of Manufacturer | Manufacturer Serial No. | National Board No. | Other Identification | Year Built | Corrected, Removed, or Installed | ASME Code Stamped (Yes or No) |
|-------------------|----------------------|-------------------------|--------------------|----------------------|------------|----------------------------------|-------------------------------|
| HYDRAULIC SNUBBER | LISEGA | 99614750/43 | N/A | N/A | 1999 | REMOVED | NO |
| HYDRAULIC SNUBBER | LISEGA | 3110195/015 | N/A | N/A | 2010 | INSTALLED | NO |
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7. Description of Work
- Replaced Lisega hydraulic snubber with Lisega hydraulic snubber

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

Figure 1

FORM NIS-2 (Back)

WLO# SHC 385056

9. Remarks Designed per AISC 1989 Ed, Welded per AWS D1.1-86, NIS-2 Form, Certificate of Compliance
Applicable Manufacturer's Data Reports to be attached

CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and that 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

A. L. Helms, Mnt. Supt., for Mnt. Mgr.
 Owner or Owner's Designee, Title

Date 6/22/12

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 MSB CT of HARTFORD CT have inspected the components described in this Owner's Report during the period 06/12/2012 to 06/26/2012, 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.

Rodney Sam
 Inspector's Signature

Commissions

NB12603A1N, GA69D

National Board, State, Province and Endorsements

Date 06/26/2012

Figure 1

FORM NIS-2 OWNER'S REPORT FOR REPAIR/REPLACEMENT ACTIVITY
As Required By The Provisions Of The ASME Code Section XI

1. Owner Southern Nuclear Operating Company Date April 23, 2012
40 Inverness Ctr Pkwy, Birmingham, Al. 35242 Sheet 1 of 2
Address
2. Plant Joseph M. Farley Nuclear Plant (FNP) Unit FNP Unit 1
7388 N. State Hwy 95, Columbia, Al. 36319 WO# SNC 63980
Address Repair/Replacement Organization P.O. No., Job No., etc.
3. Work Performed by FNP Maintenance Department Type Code Symbol N/A
Name Stamp N/A
7388 N. State Hwy 95, Columbia, Al. 36319 Authorization No. N/A
Address Expiration Date N/A
4. Identification of System Q1P16V0679: P16: SERVICE WATER: CLASS 3
5. (a) Applicable Construction Code SECTION III 1971 Edition, SUMMER 1971 Addenda, N/A Code Case
 (b) Applicable Edition of Section XI Used for Repair/Replacement Activity 2001 EDITION, 2003 ADDENDA
 (c) Applicable Section XI Code Case(s) N/A
6. Identification Of Components

| Name of Component | Name of Manufacturer | Manufacturer Serial No. | National Board No. | Other Identification | Year Built | Corrected, Removed, or Installed | ASME Code Stamped (Yes or No) |
|-------------------|----------------------|-------------------------|--------------------|----------------------|------------|----------------------------------|-------------------------------|
| DISC | US STEEL CORP. | 3-629 | N/A | N/A | 1975 | REMOVED | YES |
| DISC POST | CANN & SAUL | 3-629 | N/A | N/A | 1975 | REMOVED | YES |
| | | | | | | | |
| DISC | WEIR VALVES | HT: R8308 | N/A | TR: 40362 | 2011 | INSTALLED | YES |
| DISC POST | WEIR VALVES | HT: 3171 | N/A | TR: 40361 | 2011 | INSTALLED | YES |
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7. Description of Work Removed Disc and Disc Post assembly and replaced with new assembly. Normal wear to parts.

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

Figure 1

FORM NIS-2 (Back)

W0# 54563980

9. Remarks

FORM N-2 ^{part} 6/26/12

Applicable Manufacturer's Data Reports to be attached

CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and that 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

Ad. Holmes, Maint. Supt., for Maint. Mgr.
Owner or Owner's Designee, Title

Date 6/15/12

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 HSB CT of HARTFORD CT have inspected the components described in this Owner's Report during the period 06/26/2012 to 04/05/2012, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

[Signature]
Inspector's Signature

Commissions

HB126034IN, GA690
National Board, State, Province and Endorsements

Date 06/26/2012

Figure 1

FORM NIS-2 OWNER'S REPORT FOR REPAIR/REPLACEMENT ACTIVITY
As Required By The Provisions Of The ASME Code Section XI

1. Owner Southern Nuclear Operating Company Date April 16, 2012
 Name
 40 Inverness Ctr Pkwy, Birmingham, AL 35242 Sheet 1 of 2
 Address
 2. Plant Joseph M. Farley Nuclear Plant (FNP) Unit FNP Unit 1
 Name
 7388 N. State Hwy 95, Columbia, AL 36319 WO# SNC 66841
 Address Repair/Replacement Organization P.O. No., Job No., etc.
 3. Work Performed by FNP Maintenance Department Type Code Symbol N/A
 Name Stamp
 7388 N. State Hwy 95, Columbia, AL 36319 Authorization N/A
 Address Expiration N/A
 Date
 4. Identification of System Q1B13SNUBBRCR7B, B-13- Piping and Instrument - CLASS 1 ^{plus} 6/20/12
 5. (a) Applicable Construction Code See Remarks. Edition, N/A Addenda, N/A Code Case
 (b) Applicable Edition of Section XI Used for Repair/Replacement Activity 2001 EDITION, 2003 ADDENDA
 (c) Applicable Section XI Code Case(s) N/A
 6. Identification Of Components

| Name of Component | Name of Manufacturer | Manufacturer Serial No. | National Board No. | Other Identification | Year Built | Corrected, Removed, or Installed | ASME Code Stamped (Yes or No) |
|-------------------|----------------------|-------------------------|--------------------|----------------------|------------|----------------------------------|-------------------------------|
| HYDRAULIC SNUBBER | ITT GRINNELL | RC-R7 | N/A | N/A | 1974 | REMOVED | NO |
| HYDRAULIC SNUBBER | ANVIL | 37936 | N/A | N/A | 2010 | INSTALLED | NO |
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7. Description of Work Replaced ITT Grinnell hydraulic snubber with Anvil hydraulic snubber

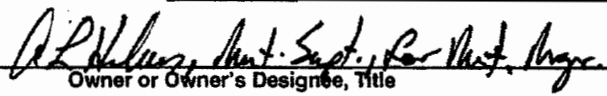
8. Test Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☐ Exempt ☒
 Other ☐ Pressure _____ psi Test Temp. _____ °F

Figure 1

FORM NIS-2 (Back)

W0# SHC66841

9. Remarks Designed per AISC 1969 Ed, Welded per AWS D1.1-86, Certificate of Compliance
Applicable Manufacturer's Data Reports to be attached

| CERTIFICATE OF COMPLIANCE | | | |
|--|---|-----------------|---------------------|
| We certify that the statements made in the report are correct and that this <u>Replacement</u> conforms to the rules of the ASME Code, Section XI. <div style="text-align: center;">repair or replacement</div> | | | |
| Type Code Symbol Stamp | N/A | | |
| Certificate of Authorization No. | N/A | Expiration Date | N/A |
| Signed |  Owner or Owner's Designee, Title | | Date <u>6/22/12</u> |

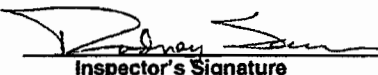
| CERTIFICATE OF INSERVICE INSPECTION | |
|---|--|
| I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the state or Province of <u>GEORGIA</u> and employed by <u>HSB CT</u> of <u>HARTFORD CT</u> have inspected the components described in this Owner's Report during the period <u>04/11/2012</u> to <u>06/26/2012</u> , and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI. | |
| By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection. | |
|  Inspector's Signature | Commissions <u>NB12603A1N, GA69D</u> National Board, State, Province and Endorsements |
| Date <u>06/26/2012</u> | |

Figure 1

FORM NIS-2 OWNER'S REPORT FOR REPAIR/REPLACEMENT ACTIVITY
As Required By The Provisions Of The ASME Code Section XI

1. Owner Southern Nuclear Operating Company Date April 16, 2012
40 Inverness Ctr Pkwy, Birmingham, Al. 35242 Sheet 1 of 2
 Address
 2. Plant Joseph M. Farley Nuclear Plant (FNP) Unit FNP Unit 1
7388 N. State Hwy 95, Columbia, Al. 36319 WO# SNC 66824
 Address Repair/Replacement Organization P.O. No., Job No., etc.
 3. Work Performed by FNP Maintenance Department Type Code Symbol N/A
7388 N. State Hwy 95, Columbia, Al. 36319 Stamp
 Address Authorization N/A
 No. Expiration N/A
 Date
 4. Identification of System Q1E21SNUBBCVCSR496, E21- Chemical and Volume Control System - CLASS 1 ^{Per 6/26/12}
 5. (a) Applicable Construction Code See Remarks. Edition, N/A Addenda, N/A Code Case
 (b) Applicable Edition of Section XI Used for Repair/Replacement Activity 2001 EDITION, 2003 ADDENDA
 (c) Applicable Section XI Code Case(s) N/A
 6. Identification Of Components

| Name of Component | Name of Manufacturer | Manufacturer Serial No. | National Board No. | Other Identification | Year Built | Corrected, Removed, or Installed | ASME Code Stamped (Yes or No) |
|-------------------|----------------------|-------------------------|--------------------|----------------------|------------|----------------------------------|-------------------------------|
| HYDRAULIC SNUBBER | ITT GRINNELL | 17387 | N/A | N/A | 1983 | REMOVED | NO |
| HYDRAULIC SNUBBER | LISEGA | 3110544/001 | N/A | N/A | 2011 | INSTALLED | NO |
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7. Description of Work Replaced ITT Grinnell snubber with Lisega snubber

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

Figure 1

FORM NS-2 (Back)

Note SNC 66824

9. Remarks Designed per AISC 1969 Ed, Welded per AWS D1.1-86, Certificate of Compliance
Applicable Manufacturer's Data Reports to be attached

| CERTIFICATE OF COMPLIANCE | | | |
|--|---|-----------------|----------------|
| We certify that the statements made in the report are correct and that this <u>Replacement</u> conforms to the rules of the ASME Code, Section XI. <div style="text-align: center;">repair or replacement</div> | | | |
| Type Code Symbol Stamp | N/A | | |
| Certificate of Authorization No. | N/A | Expiration Date | N/A |
| Signed | <u>AP. Hekim, Chief Supt., for Mr. L. Heger</u> Owner or Owner's Designee, Title | Date | <u>6/22/12</u> |

| CERTIFICATE OF INSERVICE INSPECTION | |
|---|---|
| I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the state or Province of <u>GEORGIA</u> and employed by <u>HSB CT</u> of <u>HARTFORD CT</u> have inspected the components described in this Owner's Report during the period <u>06/12/2012</u> to <u>06/26/2012</u> , and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI. | |
| By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection. | |
| Inspector's Signature <u>[Signature]</u> | Commissions <u>NB12603A1N, GA690</u> National Board, State, Province and Endorsements |
| Date <u>06/26/2012</u> | |

Figure 1

FORM NIS-2 OWNER'S REPORT FOR REPAIR/REPLACEMENT ACTIVITY
As Required By The Provisions Of The ASME Code Section XI

1. Owner Southern Nuclear Operating Company Date April 25, 2012
40 Inverness Ctr Pkwy, Birmingham, Al. 35242 Sheet 1 of 2
Address
2. Plant Joseph M. Farley Nuclear Plant (FNP) Unit FNP Unit 1
7388 N. State Hwy 95, Columbia, Al. 36319 WO# SNC 66781
Address Repair/Replacement Organization P.O. No., Job No., etc.
3. Work Performed by FNP Maintenance Department Type Code Symbol N/A
Name Stamp N/A
7388 N. State Hwy 95, Columbia, Al. 36319 Authorization No. N/A
Address Expiration Date N/A
4. Identification of System Q1E11SNUBBRHR10R29: E11: Residual Heat Removal: Class 2
5. (a) Applicable Construction Code SECTION III 1971 Edition, SUMMER 1971 Addenda, N/A Code Case
 (b) Applicable Edition of Section XI Used for Repair/Replacement Activity 2001 EDITION, 2003 ADDENDA
 (c) Applicable Section XI Code Case(s) N/A

6. Identification Of Components

| Name of Component | Name of Manufacturer | Manufacturer Serial No. | National Board No. | Other Identification | Year Built | Corrected, Removed, or Installed | ASME Code Stamped (Yes or No) |
|-------------------|----------------------|-------------------------|--------------------|----------------------|------------|----------------------------------|-------------------------------|
| HYDRAULIC SNUBBER | ITT GRINNELL | RHR10-R29 | N/A | N/A | 1974 | REMOVED | NO |
| HYDRAULIC SNUBBER | LISEGA | 3110512/015 | N/A | N/A | 2011 | INSTALLED | NO |
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7. Description of Work Replaced ITT Grinnell snubber with Lisega snubber. Scheduled upgrade per ED SNC336822
8. Test Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☐ Exempt ☒
 Other ☐ Pressure _____ psi Test Temp. _____ °F

Figure 1

FORM NIS-2 (Back)

No# SNC66781

| | | |
|----|---------|---|
| 9. | Remarks | Certificate of Compliance: <u>Lisega</u> |
| | | Applicable Manufacturer's Data Reports to be attached |
| | | |
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| CERTIFICATE OF COMPLIANCE | | | |
|--|---|-----------------|----------------|
| We certify that the statements made in the report are correct and that this <u>Replacement</u> 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 | <u>A. L. Helms, Plant Supt., for Plant Mgr.</u> | Date | <u>6/15/12</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>HSBCT</u> of <u>HARTFORD CT</u> | |
| have inspected the components described in this Owner's Report during the period <u>03/16/2012</u> to <u>06/26/2012</u> , and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI. | |
| By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection. | |
| <u>[Signature]</u> Inspector's Signature | Commissions <u>NB12603A1N, GA690</u> National Board, State, Province and Endorsements |
| Date <u>06/26/2012</u> | |

Figure 1

FORM NIS-2 OWNER'S REPORT FOR REPAIR/REPLACEMENT ACTIVITY
As Required By The Provisions Of The ASME Code Section XI

1. Owner Southern Nuclear Operating Company Date April 25, 2012
40 Inverness Ctr Pkwy, Birmingham, Al. 35242 Sheet 1 of 2
 Address
 2. Plant Joseph M. Farley Nuclear Plant (FNP) Unit FNP Unit 1
7388 N. State Hwy 95, Columbia, Al. 36319 WO# SNC 64092
 Address Repair/Replacement Organization P.O. No., Job No., etc.
 3. Work Performed by FNP Maintenance Department Type Code Symbol N/A
 Name Stamp
7388 N. State Hwy 95, Columbia, Al. 36319 Authorization N/A
 Address Expiration Date N/A
 4. Identification of System Q1P17SNUBBCCWR412: P17: Component Cooling Water: Class 3
 5. (a) Applicable Construction Code SECTION III 1971 Edition, SUMMER 1972 Addenda, N/A Code Case
 (b) Applicable Edition of Section XI Used for Repair/Replacement Activity 2001 EDITION, 2003 ADDENDA
 (c) Applicable Section XI Code Case(s) N/A

6. Identification Of Components

| Name of Component | Name of Manufacturer | Manufacturer Serial No. | National Board No. | Other Identification | Year Built | Corrected, Removed, or Installed | ASME Code Stamped (Yes or No) |
|-------------------|----------------------|-------------------------|--------------------|----------------------|------------|----------------------------------|-------------------------------|
| HYDRAULIC SNUBBER | ITT GRINNELL | CCW-R412 | N/A | N/A | 1975 | REMOVED | NO |
| HYDRAULIC SNUBBER | LISEGA | 3110524/014 | N/A | N/A | 2011 | INSTALLED | NO |
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7. Description of Work
- Replaced ITT Grinnell snubber with Liseega snubber due to scheduled upgrade.

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

Figure 1

FORM NIS-2 (Back)

WLO# SNC64092

9. Remarks Certificate of Compliance: Lisega
Applicable Manufacturer's Data Reports to be attached
ED SNC336822

CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and that 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

A. L. Helms, Int. Supt. For Int. Ingr.
 Owner or Owner's Designee Title

Date

6/22/12

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 HSB CT of HARTFORD CT have inspected the components described in this Owner's Report during the period 06/26/2012 to 07/06/2012 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.

Raymond S. ...
 Inspector's Signature

Commissions

NB12603A1N, GA690

National Board, State, Province and Endorsements

Date

06/26/2012

Figure 1

FORM NIS-2 OWNER'S REPORT FOR REPAIR/REPLACEMENT ACTIVITY
As Required By The Provisions Of The ASME Code Section XI

1. Owner Southern Nuclear Operating Company Date June 22, 2012
40 Inverness Ctr Pkwy, Birmingham, Al. 35242 Sheet 1 of 2
 Address
 2. Plant Joseph M. Farley Nuclear Plant (FNP) Unit FNP Unit 1
7388 N. State Hwy 95, Columbia, Al. 36319 WO# SNC 66768
 Address Repair/Replacement Organization P.O. No., Job No., etc.
 3. Work Performed by FNP Maintenance Department Type Code Symbol N/A
7388 N. State Hwy 95, Columbia, Al. 36319 Stamp Authorization N/A
 Address Expiration Date N/A
 4. Identification of System Q1P17SNUBBCCWR400- P17- Component Cooling Water- Class 3
 5. (a) Applicable Construction Code SECTION III 1971 Edition, SUMMER 1971 Addenda, N/A Code Case
 (b) Applicable Edition of Section XI Used for Repair/Replacement Activity 2001 EDITION, 2003 ADDENDA
 (c) Applicable Section XI Code Case(s) N/A

6. Identification Of Components

| Name of Component | Name of Manufacturer | Manufacturer Serial No. | National Board No. | Other Identification | Year Built | Corrected, Removed, or Installed | ASME Code Stamped (Yes or No) |
|-------------------|----------------------|-------------------------|--------------------|----------------------|------------|----------------------------------|-------------------------------|
| HYDRAULIC SNUBBER | ITT GRINNELL | CCW-R400 | N/A | N/A | 1975 | REMOVED | NO |
| HYDRAULIC SNUBBER | LISEGA | 3110613/002 | N/A | N/A | 2011 | INSTALLED | NO |
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7. Description of Work Replaced ITT Grinnell snubber with Lisega snubber due to scheduled upgrade
8. Test Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☐ Exempt ☒
 Other ☐ Pressure _____ psi Test Temp. _____ °F

Figure 1

FORM NIS-2 (Back)

WID# SNC66768

9. Remarks Certificate of Compliance, ED: SNC336822
Applicable Manufacturer's Data Reports to be attached

| CERTIFICATE OF COMPLIANCE | | | |
|--|--|-----------------|---------------------|
| We certify that the statements made in the report are correct and that this <u>Replacement</u> conforms to the rules of the ASME Code, Section XI. <div style="text-align: center;">repair or replacement</div> | | | |
| Type Code Symbol Stamp | N/A | | |
| Certificate of Authorization No. | N/A | Expiration Date | N/A |
| Signed | <u>W. L. Hobbs, Dist. Supt., for Dist. Insp.</u> Owner or Owner's Designee, Title | | Date <u>6/22/12</u> |

| CERTIFICATE OF INSERVICE INSPECTION | |
|---|--|
| I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the state or Province of <u>GEORGIA</u> and employed by <u>HSB CT</u> of <u>HARTFORD CT</u> have inspected the components described in this Owner's Report during the period <u>06/26/2012</u> to <u>06/26/2012</u> and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI. | |
| By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection. | |
| <u>Wayne Sam</u> Inspector's Signature | Commissions <u>NB12603A1N, GA690</u> National Board, State, Province and Endorsements |
| Date <u>06/26/2012</u> | |

Figure 1

FORM NIS-2 OWNER'S REPORT FOR REPAIR/REPLACEMENT ACTIVITY
As Required By The Provisions Of The ASME Code Section XI

1. Owner Southern Nuclear Operating Company Date April 16, 2012
40 Inverness Ctr Pkwy, Birmingham, Al. 35242 Sheet 1 of 2
 Address
 2. Plant Joseph M. Farley Nuclear Plant (FNP) Unit FNP Unit 1
7388 N. State Hwy 95, Columbia, Al. 36319 WO# SNC 55830
 Address Repair/Replacement Organization P.O. No., Job No., etc.
 3. Work Performed by FNP Maintenance Department Type Code Symbol N/A
7388 N. State Hwy 95, Columbia, Al. 36319 Stamp
 Authorization N/A
 No. Expiration Date N/A
 Address
 4. Identification of System Q1B13SNUBBRCR226, B13- Piping and Instrument : Class 1
 5. (a) Applicable Construction Code See Remarks. Edition, N/A Addenda, N/A Code Case
 (b) Applicable Edition of Section XI Used for Repair/Replacement Activity 2001 EDITION, 2003 ADDENDA
 (c) Applicable Section XI Code Case(s) N/A

6. Identification Of Components

| Name of Component | Name of Manufacturer | Manufacturer Serial No. | National Board No. | Other Identification | Year Built | Corrected, Removed, or Installed | ASME Code Stamped (Yes or No) |
|-------------------|----------------------|-------------------------|--------------------|----------------------|------------|----------------------------------|-------------------------------|
| HYDRAULIC SNUBBER | ITT GRINNELL | 26733T | N/A | N/A | 1983 | REMOVED | NO |
| HYDRAULIC SNUBBER | LISEGA | 3110530/006 | N/A | N/A | 2011 | INSTALLED | NO |
| | | | | | | | |
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7. Description of Work Replaced ITT Grinnell hydraulic snubber with Lisega hydraulic snubber
8. Test Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☐ Exempt ☒
 Other ☐ Pressure _____ psi Test Temp. _____ °F

Figure 1

FORM NIS-2 (Back)

Wo # SNL 55830

9. Remarks Designed per AISC 1989 Ed, Welded per AWS D1.1-86
Applicable Manufacturer's Data Reports to be attached
Certificate of Compliance: Lisega

CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and that 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

A. L. Williams, Int. Supt. for Plant Mgr.
 Owner or Owner's Designee, Title

Date

6/21/12

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 HSB CT of Hartford CT have inspected the components described in this Owner's Report during the period 06/29/2012 to 07/12/2012 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.

Robney Sam
 Inspector's Signature

Commissions

NB12603A1N, GA690

National Board, State, Province and Endorsements

Date

06/29/2012

Figure 1

FORM NIS-2 OWNER'S REPORT FOR REPAIR/REPLACEMENT ACTIVITY
As Required By The Provisions Of The ASME Code Section XI

1. Owner Southern Nuclear Operating Company Date January 30, 2012
 Name
 40 Inverness Ctr Pkwy, Birmingham, Al. 35242
 Address
 Sheet 1 of 2
2. Plant Joseph M. Farley Nuclear Plant (FNP) Unit FNP Unit 1
 Name
 7388 N. State Hwy 95, Columbia, Al. 36319
 Address
 G31 - WO# 1111109101
 Repair/Replacement Organization P.O. No., Job No., etc.
3. Work Performed by FNP Maintenance Department Type Code Symbol Stamp N/A
 Name
 7388 N. State Hwy 95, Columbia, Al. 36319
 Address
 Authorization No. N/A
 Expiration Date N/A
4. Identification of System TPNS: Q1G31H0001B, - Code Class 3
5. (a) Applicable Construction Code ASME Section III, 1971 Edition, Summer 1971 Addenda, N/A Code Case
 (b) Applicable Edition of Section XI Used for Repair/Replacement Activity 2001 Edition, 2003 Addenda
 (c) Applicable Section XI Code Case(s) N/A
6. Identification Of Components

| Name of Component | Name of Manufacturer | Manufacturer Serial No. | National Board No. | Other Identification | Year Built | Corrected, Removed, or Installed | ASME Code Stamped (Yes or No) |
|-------------------|----------------------|-------------------------|--------------------|----------------------|------------|----------------------------------|-------------------------------|
| WELD WIRE | ARCOS | CT8659 | N/A | QP070369 | 2007 | INSTALLED | NO |
| WELD WIRE | ARCOS | AT8600 | N/A | QP070369 | 2007 | INSTALLED | NO |
| WELD WIRE | ARCOS | CT9218 | N/A | QP101111 | 2010 | INSTALLED | NO |
| | | | | | | | |
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7. Description of Work Repaired tube plugging and performed weld repairs per repair plans PMD-301 and PMD 302 per Work Order 1111109101 instructions.
8. Test Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☒ Exempt ☐
 Other ☐ Pressure 50 psig psi Test Temp. 120 °F

Figure 1

FORM NIS-2 (Back)

Wo # 1111 09101

9. Remarks

Applicable Manufacturer's Data Reports to be attached

All welding performed by qualified welders using a qualified procedure IAW ASME Section IX requirements. Transaction

Numbers for rod material are 84992, 85002, 85003, 85102, 85103, and 85142 (CMTRs attached).

CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and that this REPAIR ^{2/8/12} 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

FOR LEONARD SMITH, MNT MGR ^{2/8/12} Date 2/3/12
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 HSB CT of HARTFORD CT have inspected the components described in this Owner's Report during the period 05/16/2011 to 04/25/2012, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

Inspector's Signature

Commissions

12603 AIN, GA69D
National Board, State, Province and Endorsements

Date 04/25/2012

Figure 1

FORM NIS-2 OWNER'S REPORT FOR REPAIR/REPLACEMENT ACTIVITY
As Required By The Provisions Of The ASME Code Section XI

1. Owner Southern Nuclear Operating Company Date April 25, 2012
Name
40 Inverness Ctr Pkwy, Birmingham, Al. 35242 Sheet 1 of 2
Address
2. Plant Joseph M. Farley Nuclear Plant (FNP) Unit FNP Unit 1
Name
7388 N. State Hwy 95, Columbia, Al. 36319 WO# SNC 66782
Address Repair/Replacement Organization P.O. No., Job No., etc.
3. Work Performed by FNP Maintenance Department Type Code Symbol N/A
Name Stamp
7388 N. State Hwy 95, Columbia, Al. 36319 Authorization N/A
Address No. Expiration N/A
Date
4. Identification of System Q1E11SNUBBSIR100: E11: Residual Heat Removal: Class 2
5. (a) Applicable Construction Code SECTION III 1971 Edition, SUMMER 1971 Addenda, N/A Code Case
(b) Applicable Edition of Section XI Used for Repair/Replacement Activity 2001 EDITION, 2003 ADDENDA
(c) Applicable Section XI Code Case(s) N/A

6. Identification Of Components

| Name of Component | Name of Manufacturer | Manufacturer Serial No. | National Board No. | Other Identification | Year Built | Corrected, Removed, or Installed | ASME Code Stamped (Yes or No) |
|-------------------|----------------------|-------------------------|--------------------|----------------------|------------|----------------------------------|-------------------------------|
| HYDRAULIC SNUBBER | ITT GRINNELL | SI-R100 | N/A | N/A | 1974 | REMOVED | NO |
| HYDRAULIC SNUBBER | LISEGA | 3110512/010 | N/A | N/A | 2011 | INSTALLED | NO |
| | | | | | | | |
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7. Description of Work
- Replaced ITT Grinnell snubber with Lisega snubber. Scheduled upgrade per ED SNC3326822

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

Figure 1

FORM NIS-2 (Back)

WO# SNC66782

9. Remarks Certificate of Compliance: Liseqa
Applicable Manufacturer's Data Reports to be attached

| CERTIFICATE OF COMPLIANCE | | | |
|--|---|-----------------|----------------|
| We certify that the statements made in the report are correct and that this <u>Replacement</u> conforms to the rules of the ASME Code, Section XI. <u>repair or replacement</u> | | | |
| Type Code Symbol Stamp | N/A | | |
| Certificate of Authorization No. | N/A | Expiration Date | N/A |
| Signed | <u>AL Chiles, Asst. Supt., for Plant Mgr.</u> Owner or Owner's Designee, Title | Date | <u>6/19/12</u> |

| CERTIFICATE OF INSERVICE INSPECTION | | | |
|---|--|--|--|
| I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the state or Province of <u>GEORGIA</u> and employed by <u>HSB CT</u> of <u>HARTFORD CT</u> have inspected the components described in this Owner's Report during the period <u>03/16/2012</u> to <u>06/27/2012</u> , and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI. | | | |
| By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection. | | | |
| <u>[Signature]</u> Inspector's Signature | | Commissions <u>NE12603A1N, GA690</u> National Board, State, Province and Endorsements | |
| Date <u>06/27/2012</u> | | | |

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

As Required By The Provisions Of The ASME Code Section XI

1. Owner SOUTHERN NUCLEAR OPERATING CO. Date 5/29/12
 Name
40 INVERNESS CENTER PARKWAY
BIRMINGHAM AL. 35242
 Address
2. Plant JOSEPH M. FARLEY NUCLEAR PLANT Unit FNP UNIT 5
 Name
7388 NORTH STATE HWY. 95
COLUMBIA AL 36319
 Address
R43 WO SNC88354
 Repair/Replacement Organization P.O. No., Job No., etc.
3. Work Performed by SOUTHERN NUCLEAR Type Code Symbol Stamp N/A
 Name
FARLEY NUCLEAR PLANT Authorization No. N/A
 Address Expiration Date N/A
4. Identification of System TPNS: QSR43H0504 1C D/G LUB OIL HEAT EXCHANGER TUBE BUNDLE CLASS 3
5. (a) Applicable Construction Code ASME SECTION III Edition, 2001 Addenda, 2003 Code Case
 (b) Applicable Edition of Section XI Used for Repair/Replacement Activity
 (c) Applicable Section XI Code Case(s) N/A

6. Identification Of Components

| Name of Component | Name of Manufacturer | Manufacturer Serial No. | National Board No. | Other Identification | Year Built | Corrected, Removed, or Installed | ASME Code Stamped (Yes or No) |
|------------------------|---------------------------|-------------------------|--------------------|----------------------|------------|----------------------------------|-------------------------------|
| LUB OIL HX TUBE BUNDLE | AMERICAN STANDARD | 6-61342-03-2 | 24006 | | 1973 | REMOVED | NO |
| LUB OIL HX TUBE BUNDLE | ENERGY STEEL & SUPPLY CO. | N36324-1 | | P/N 4-107-15-096-014 | 2010 | INSTALLED | YES |
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7. Description of Work REPLACED TUBE BUNDLE
8. Test Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☒ Exempt ☐
 Other ☐ Pressure _____ psi Test Temp. _____ °F

Page 1 of 2

FORM NIS-2 (Back)

W04 SNE88354

9. Remarks REPLACED TUBE BUNDLE IN LUB OIL HEAT EXCHANGER ON 1C D/G

Applicable Manufacturer's Data Reports to be attached

CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and that 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 Jonathan L. McLe MOD Supervisor Date 6/13/12
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 HSBCT of HARTFORD CT have inspected the components described in this Owner's Report during the period 05/29/2012 to 06/13/2012, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

[Signature]
Inspector's Signature

Commissions NB12603 AIN, G4690
National Board, State, Province and Endorsements

Date 06/19/2012

04/06/12 06:51:18

FNP-0-GMP-0.2

APPENDIX C

FORM NIS-2 OWNER'S REPORT FOR REPAIR/REPLACEMENT ACTIVITY
As Required By The Provisions Of The ASME Code Section XI

- | | | | | |
|----|---|---|--|---|
| 1. | Owner | <u>SOUTHERN NUCLEAR OPERATING CO.</u> Name <u>40 INVERNESS CENTER PARKWAY</u> <u>BIRMINGHAM, AL. 35242</u> | Date | <u>4/3/12</u> |
| | | | Sheet | <u>1</u> of <u>2</u> |
| 2. | Plant | <u>JOSEPH M. FARLEY NUCLEAR PLANT</u> Address <u>7388 NORTH STATE HWY. 95</u> <u>COLUMBIA, AL. 36319</u> | Unit | <u>FNP UNIT 1</u> <u>E21-SNC56779</u> |
| | | <u>Address</u> | <u>Repair/Replacement Organization P.O. No., Job No., etc.</u> | |
| 3. | Work Performed by | <u>SOUTHERN NUCLEAR</u> <u>OPERATING CO/ SITE DESIGN</u> <u>MODS</u> Name <u>FARLEY NUCLEAR PLANT</u> <u>7388 NORTH STATE HWY. 95</u> <u>COLUMBIA, AL. 36319</u> Address | Type Code Symbol Stamp | <u>N/A</u> |
| | | | Authorization No. | <u>N/A</u> |
| | | | Expiration Date | <u>N/A</u> |
| 4. | Identification of System | <u>Q1E21MOV8106 (V265) CHG PUMPS MINIFLOW ISO ASME CLASS 2</u> | | |
| 5. | (a) Applicable Construction Code | <u>68 Draft pump and valve code</u> | Edition, | <u>SUMMER 1970</u> Addenda, _____ Code Case _____ |
| | (b) Applicable Edition of Section XI Used for Repair/Replacement Activity | <u>2001 ED. 2003 AD</u> | | |
| | (c) Applicable Section XI Code Case(s) | _____ | | |
| 6. | Identification Of Components | <u>Received Certificate of Compliance No code data report received K Burkett 4/3/12</u> | | |

| Name of Component | Name of Manufacturer | Manufacturer Serial No. | National Board No. | Other Identification | Year Built | Corrected, Removed, or Installed | ASME Code Stamped (Yes or No) |
|-------------------|----------------------|-------------------------|--------------------|---|------------|----------------------------------|-------------------------------|
| BONNET ASSEMBLY | VELAN | 164 | N/A | | 1968 | REMOVED | |
| BONNET | VELAN | 19025 | N/A | HT 50814 DWG 1090968701M015/016 | 2012 | INSTALLED | NO |
| LEAK OFF PIPE | VELAN | | N/A | 2IQH DWG 1090968701M015/016 | 2012 | INSTALLED | NO |
| BONNET STUDS | VELAN | TRACE LL69 | N/A | HT 562414 15A DWG 1090968701M015/016 | 2012 | INSTALLED | NO |
| BONNET NUTS | VELAN | | N/A | 16A DWG 1090968701M015/016 | 2012 | INSTALLED | NO |
| | | | | | | | |
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7. **Description of Work** *Replaced top works assembly bonnet, studs and nuts leak off piping, stem, packing, yoke and operator*

Page 124 of 139

Page 1 of 2

ANM
~~Page 1 of 5~~

04/04/12 14:38:35

FNP-0-GMP-0.2

APPENDIX C

W0#5NC56779

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

FORM NIS-2 (Back)

9. Remarks

Applicable Manufacturer's Data Reports to be attached

CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and that this _____ 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 J. McLaughlin SUPERVISOR
Owner or Owner's Designee, Title

Date

5/3/12

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 HSB CT of HARTFORD CT have inspected the components described in this Owner's Report during the period 05/03/2012 to 04/06/2012, 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.

Robert S. [Signature]
Inspector's Signature

Commission s

12603A1N, GA690

National Board, State, Province and Endorsements

Date 05/03/2012

APPENDIX C

FORM NIS-2 OWNER'S REPORT FOR REPAIR/REPLACEMENT ACTIVITY
As Required By The Provisions Of The ASME Code Section XI

1. Owner SOUTHERN NUCLEAR OPERATING CO. Date 2/27/12
 Name
 40 INVERNESS CENTER PARKWAY
 BIRMINGHAM, AL. 35242 Sheet 1 of 2
 Address
2. Plant JOSEPH M. FARLEY NUCLEAR PLANT Unit FNP UNIT 1
 Name
 7388 NORTH STATE HWY. 95
 COLUMBIA, AL. 36319 E21-SNC56780
 Address Repair/Replacement Organization P.O. No., Job No., etc.
3. Work Performed by SOUTHERN NUCLEAR Type Code Symbol N/A
 OPERATING CO/ SITE DESIGN Stamp
 MODS Name Authorization N/A
 FARLEY NUCLEAR PLANT No. N/A
 7388 NORTH STATE HWY. 95 Expiration Date N/A
 COLUMBIA, AL. 36319 Address
4. Identification of System Q1E21MOV8107 (V257) CHG PUMPS TO REGEN HX ASME CLASS 2
5. (a) Applicable Construction Code 68 Draft pump and valve code Edition, SUMMER 1970 Addenda, Code Case
 (b) Applicable Edition of Section XI Used for Repair/Replacement Activity 2001 ED. 2003 AD
 (c) Applicable Section XI Code Case(s) _____
6. Identification Of Components Received Certificate of Compliance No code data report received K Burkett 4/3/12

| Name of Component | Name of Manufacturer | Manufacturer Serial No. | National Board No. | Other Identification | Year Built | Corrected, Removed, or Installed | ASME Code Stamped (Yes or No) |
|-------------------|----------------------|-------------------------|--------------------|--|------------|----------------------------------|-------------------------------|
| BONNET ASSEMBLY | VELAN | 166 | N/A | | 1968 | REMOVED | |
| BONNET | VELAN | 19026 | N/A | HT 50814 DWG 1090968701M015/016 | 2012 | INSTALLED | NO |
| LEAK OFF PIPE | VELAN | | N/A | 2IQH DWG 1090968701M015/016 | 2012 | INSTALLED | NO |
| BONNET STUDS | VELAN | TRACE LL69 | N/A | HT562414 15A DWG 1090968701M015/016 | 2012 | INSTALLED | NO |
| BONNET NUTS | VELAN | | N/A | 16A DWG 1090968701M015/016 | 2012 | INSTALLED | NO |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |

7. Description of Work Replaced top works assembly bonnet, studs and nuts leak off piping, stem, packing, yoke and operator

04/04/12 14:57:50

FNP-0-GMP-0.2

APPENDIX C

W0# SNC56780

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

FORM NIS-2 (Back)

9. Remarks

Applicable Manufacturer's Data Reports to be attached

CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and that this _____ 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

John A. Haly Supervisor
Owner or Owner's Designee, Title

Date

5/3/12

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 ASB CT of HARTFORD CT have inspected the components described in this Owner's Report during the period 04/06/2012 to 05/03/2012 and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

[Signature]
Inspector's Signature

Commission

s

12603A1N, GA690

National Board, State, Province and Endorsements

Date 05/03/2012

APPENDIX C

FORM NIS-2 OWNER'S REPORT FOR REPAIR/REPLACEMENT ACTIVITY
As Required By The Provisions Of The ASME Code Section XI

1. Owner SOUTHERN NUCLEAR OPERATING CO. Date 2/27/12
 Name
 40 INVERNESS CENTER PARKWAY
 BIRMINGHAM, AL. 35242
 Address
 7388 NORTH STATE HWY. 95
 COLUMBIA, AL. 36319
 Address
2. Plant JOSEPH M. FARLEY NUCLEAR PLANT Unit FNP UNIT 1
 Name
 7388 NORTH STATE HWY. 95
 COLUMBIA, AL. 36319
 Address
 E21- SNC56781
 Repair/Replacement Organization P.O. No., Job No., etc.
3. Work Performed by SOUTHERN NUCLEAR Type Code Symbol N/A
 OPERATING CO/ SITE DESIGN
 MODS
 Name
 FARLEY NUCLEAR PLANT
 7388 NORTH STATE HWY. 95
 COLUMBIA, AL. 36319
 Address
 Type Code Symbol Stamp
 Authorization No. N/A
 Expiration Date N/A
4. Identification of System Q1E21MOV8108 (V258) CHG PUMPS TO REGEN HX ASME CLASS 2
5. (a) Applicable Construction Code 68 Draft pump and valve code Edition, SUMMER 1970 Addenda, Code Case
 (b) Applicable Edition of Section XI Used for Repair/Replacement Activity 2001 ED. 2003 AD
 (c) Applicable Section XI Code Case(s)
6. Identification Of Components Received Certificate of Compliance No code data report received K Burkett 4/3/12

| Name of Component | Name of Manufacturer | Manufacturer Serial No. | National Board No. | Other Identification | Year Built | Corrected, Removed, or Installed | ASME Code Stamped (Yes or No) |
|-------------------|----------------------|-------------------------|--------------------|---|------------|----------------------------------|-------------------------------|
| BONNET ASSEMBLY | VELAN | 169 | N/A | | 1968 | REMOVED | |
| BONNET | VELAN | 18556 | N/A | HT 252017 DWG 1090968701M015/016 | 2012 | INSTALLED | NO |
| LEAK OFF PIPE | VELAN | | N/A | 21QH DWG 1090968701M015/016 | 2012 | INSTALLED | NO |
| BONNET STUDS | VELAN | TRACE LL69 | N/A | HT 562414 15A DWG 1090968701M015/016 | 2012 | INSTALLED | NO |
| BONNET NUTS | VELAN | | N/A | 16A DWG 1090968701M015/016 | 2012 | INSTALLED | NO |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |

7. Description of Work Replaced top works assembly bonnet, studs and nuts leak off piping, stem, packing, yoke and operator

04/04/12 14:47:44

FNP-0-GMP-0.2

APPENDIX C

WOP# SNC56781

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

FORM NIS-2 (Back)

9. Remarks

Applicable Manufacturer's Data Reports to be attached

CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and that this _____ 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

 SUPERVISOR
Owner or Owner's Designee, Title

Date

5/3/12

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 HSE CT of HARTFORD CT have inspected the components described in this Owner's Report during the period 05/03/2012 to 05/06/2012 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

Commission s

12603A1N, GA69D
National Board, State, Province and Endorsements

Date

05/03/2012

Figure 1

FORM NIS-2 OWNER'S REPORT FOR REPAIR/REPLACEMENT ACTIVITY
As Required By The Provisions Of The ASME Code Section XI

1. Owner Southern Nuclear Operating Company Date 6/22/12
40 Inverness Ctr Pkwy, Birmingham, Al. 35242
 Name Address
 2. Plant Joseph M. Farley Nuclear Plant (FNP) Sheet 1 of 2
7388 N. State Hwy 95, Columbia, Al. 36319 Unit FNP Unit 1
 Name Address
 3. Work Performed by FNP Maintenance Department WO# SNC 61579
 Name Repair/Replacement Organization P.O. No., Job No., etc.
7388 N. State Hwy 95, Columbia, Al. 36319
 Address
 Type Code Symbol N/A
 Stamp
 Authorization N/A
 No.
 Expiration N/A
 Date
 4. Identification of System Q1N11V0011A- N11- Main Steam- Class 2
 5. (a) Applicable Construction Code SECTION III 1971 Edition, SUMMER 1972 Addenda, N/A Code Case
 (b) Applicable Edition of Section XI Used for Repair/Replacement Activity 2001 EDITION, 2003 ADDENDA
 (c) Applicable Section XI Code Case(s) N/A

6. Identification Of Components

| Name of Component | Name of Manufacturer | Manufacturer Serial No. | National Board No. | Other Identification | Year Built | Corrected, Removed, or Installed | ASME Code Stamped (Yes or No) |
|-------------------|----------------------|-------------------------|--------------------|----------------------|------------|----------------------------------|-------------------------------|
| SAFETY VALVE | DRESSER | BP-09816 | N/A | N/A | 1974 | REMOVED | YES |
| 1-3/8" STUD (12) | UNK | UNK | N/A | N/A | UNK | REMOVED | NO |
| 1-3/8" NUT (24) | UNK | UNK | N/A | N/A | UNK | REMOVED | NO |
| | | | | | | | |
| SAFETY VALVE | DRESSER | BP-09815 | N/A | N/A | 1974 | INSTALLED | YES |
| 1-3/8" STUD (12) | NOVA | 3T94 | N/A | N/A | 2009 | INSTALLED | NO |
| 1-3/8" NUT (24) | NOVA | 3R72 | N/A | N/A | 2009 | INSTALLED | NO |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |

7. Description of Work Replace safety valve, with reconciled replacement, and replace degraded studs and nuts with new

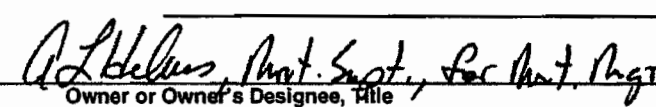
8. Test Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☒ Exempt ☐
 Other ☐ Pressure _____ psi Test Temp. _____ °F

Figure 1

Wo# 54061579

FORM NIS-2 (Back)

9. Remarks Dresser Reconciliation (OS426-92-27), Certificate of Compliance, NV-1 Form
Applicable Manufacturer's Data Reports to be attached

| CERTIFICATE OF COMPLIANCE | | | |
|--|---|-----------------|---------------------|
| We certify that the statements made in the report are correct and that this <u>Replacement</u> conforms to the rules of the ASME Code, Section XI. <div style="text-align: center;">repair or replacement</div> | | | |
| Type Code Symbol Stamp | N/A | | |
| Certificate of Authorization No. | N/A | Expiration Date | N/A |
| Signed |  Owner or Owner's Designee, Title | | Date <u>6/22/12</u> |

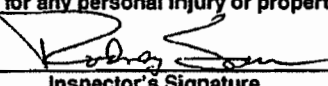
| CERTIFICATE OF INSERVICE INSPECTION | |
|---|--|
| I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the state or Province of <u>GEORGIA</u> and employed by <u>HSB CT</u> of <u>HARTFORD CT</u> have inspected the components described in this Owner's Report during the period <u>07/12/2012</u> to <u>07/12/2012</u> , and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI. | |
| By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection. | |
|  Inspector's Signature | Commissions <u>NB12603AIN, GA690</u> National Board, State, Province and Endorsements |
| Date <u>07/12/2012</u> | |

Figure 1

FORM NIS-2 OWNER'S REPORT FOR REPAIR/REPLACEMENT ACTIVITY
As Required By The Provisions Of The ASME Code Section XI

1. Owner Southern Nuclear Operating Company Date 6/22/12
40 Inverness Ctr Pkwy, Birmingham, Al. 35242 Sheet 1 of 2
Address
2. Plant Joseph M. Farley Nuclear Plant (FNP) Unit FNP Unit 1
7388 N. State Hwy 95, Columbia, Al. 36319 WO# SNC 61573
Address Repair/Replacement Organization P.O. No., Job No., etc.
3. Work Performed by FNP Maintenance Department Type Code Symbol Stamp N/A
7388 N. State Hwy 95, Columbia, Al. 36319 Authorization No. N/A
Address Expiration Date N/A
4. Identification of System Q1N11V0011C- N11- Main Steam- Class 2
5. (a) Applicable Construction Code SECTION III 1971 Edition, SUMMER 1972 Addenda, N/A Code Case
 (b) Applicable Edition of Section XI Used for Repair/Replacement Activity 2001 EDITION, 2003 ADDENDA
 (c) Applicable Section XI Code Case(s) N/A
6. Identification Of Components

| Name of Component | Name of Manufacturer | Manufacturer Serial No. | National Board No. | Other Identification | Year Built | Corrected, Removed, or Installed | ASME Code Stamped (Yes or No) |
|-------------------|----------------------|-------------------------|--------------------|----------------------|------------|----------------------------------|-------------------------------|
| SAFETY VALVE | DRESSER | BP-09801 | N/A | N/A | 1974 | REMOVED | YES |
| 1-3/8" STUD (12) | UNK | UNK | N/A | N/A | UNK | REMOVED | NO |
| 1-3/8" NUT (24) | UNK | UNK | N/A | N/A | UNK | REMOVED | NO |
| | | | | | | | |
| SAFETY VALVE | DRESSER | BP-09805 | N/A | N/A | 1974 | INSTALLED | YES |
| 1-3/8" STUD (12) | NOVA | 3T94 | N/A | N/A | 2009 | INSTALLED | NO |
| 1-3/8" NUT (24) | NOVA | 3R72 | N/A | N/A | 2009 | INSTALLED | NO |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |

7. Description of Work Replace safety valve, with reconciled replacement, and replace degraded studs and nuts with new

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

Figure 1

FORM NIS-2 (Back)

W0# SNC 61573

9. Remarks Dresser Roconciliation (OS426-92-27), Certificate of Compliance, NV-1 Form
Applicable Manufacturer's Data Reports to be attached

| CERTIFICATE OF COMPLIANCE | | | |
|--|---|-----------------|----------------|
| We certify that the statements made in the report are correct and that this <u>Replacement</u> 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 | <u>AR Helms, Asst. Supt., for Mnt. Mgr.</u> | Date | <u>6/22/12</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>HSB CT</u> of <u>HARTFORD CT</u> | |
| have inspected the components described in this Owner's Report during the period <u>07/12/2012</u> to <u>09/02/2012</u> and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI. | |
| By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection. | |
| Inspector's Signature <u>[Signature]</u> | Commissions <u>NB12603A1N, GA690</u> National Board, State, Province and Endorsements |
| Date <u>07/12/2012</u> | |

Figure 1

**FORM NIS-2 OWNER'S REPORT FOR REPAIR/REPLACEMENT ACTIVITY
As Required By The Provisions Of The ASME Code Section XI**

1. Owner Southern Nuclear Operating Company Date April 24, 2012
40 Inverness Ctr Pkwy, Birmingham, Al. 35242
 Name
 Address
 2. Plant Joseph M. Farley Nuclear Plant (FNP) Sheet 1 of 2
7388 N. State Hwy 95, Columbia, Al. 36319 Unit FNP Unit 1
 Name
 Address
 WO# SNC 53438
 Repair/Replacement Organization P.O. No., Job No., etc.
 3. Work Performed by FNP Maintenance Department Type Code Symbol N/A
 Name Stamp
 Authorization N/A
7388 N. State Hwy 95, Columbia, Al. 36319 No.
 Expiration N/A
 Date
 Address
 4. Identification of System Q1N11V0011D: N11: Main Steam: Class 2
 5. (a) Applicable Construction Code SECTION III 1971 Edition, WINTER 1971 Addenda, N/A Code Case
 (b) Applicable Edition of Section XI Used for Repair/Replacement Activity 2001 EDITION, 2003 ADDENDA
 (c) Applicable Section XI Code Case(s) N/A

6. Identification Of Components

| Name of Component | Name of Manufacturer | Manufacturer Serial No. | National Board No. | Other Identification | Year Built | Corrected, Removed, or Installed | ASME Code Stamped (Yes or No) |
|-------------------|----------------------|-------------------------|--------------------|----------------------|------------|----------------------------------|-------------------------------|
| SAFETY VALVE | DRESSER | BP-09810 | N/A | N/A | 1974 | REMOVED | YES |
| 1-3/8" STUD (12) | UNK | UNK | N/A | N/A | UNK | REMOVED | NO |
| 1-3/8" NUT (24) | UNK | UNK | N/A | N/A | UNK | REMOVED | NO |
| | | | | | | | |
| SAFETY VALVE | DRESSER | BU-06108 | N/A | N/A | 1980 | INSTALLED | YES |
| 1-3/8" STUD (12) | NOVA | 4E34 | N/A | N/A | 2010 | INSTALLED | NO |
| 1-3/8" NUT (24) | NOVA | 3R72 | N/A | N/A | 2009 | INSTALLED | NO |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |

7. Description of Work Scheduled replacement of safety valve.

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


Figure 1

FORM NIS-2 (Back)

W0# SNC 53438

9. Remarks NOVA: Certificate of Compliance and CMTR
Applicable Manufacturer's Data Reports to be attached

DRESSER VALVE PU-06108 REFURBISHED WITH EXTENDED WEAR PARTS.
REPLACED STUDS & NUTS. TRANSACTION NUMBERS 3149707, 3151367, 3151361.
NV-1 FORM & N-2 FORM ATTACHED. PAG 6/20/12

| CERTIFICATE OF COMPLIANCE | | | |
|--|---|-----------------|---------------------|
| We certify that the statements made in the report are correct and that this <u>Replacement</u> conforms to the rules of the ASME Code, Section XI. <div style="text-align: center;">repair or replacement</div> | | | |
| Type Code Symbol Stamp | <u>N/A</u> | | |
| Certificate of Authorization No. | <u>N/A</u> | Expiration Date | <u>N/A</u> |
| Signed |  Owner or Owner's Designee, Title | | Date <u>6/21/12</u> |

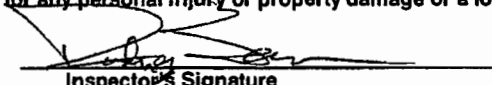
| CERTIFICATE OF INSERVICE INSPECTION | |
|---|--|
| I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the state or Province of <u>GEORGIA</u> and employed by <u>HSB CT</u> of <u>HARTFORD CT</u> have inspected the components described in this Owner's Report during the period <u>07/12/2012</u> to <u>07/02/2012</u> and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI. | |
| By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection. | |
|  Inspector's Signature | Commissions <u>NB12603A1N, GA690</u> National Board, State, Province and Endorsements |
| Date <u>07/12/2012</u> | |

Figure 1

FORM NIS-2 OWNER'S REPORT FOR REPAIR/REPLACEMENT ACTIVITY
As Required By The Provisions Of The ASME Code Section XI

1. Owner Southern Nuclear Operating Company Date April 16, 2012
40 Inverness Ctr Pkwy, Birmingham, Al. 35242 Sheet 1 of 2
 Address
 2. Plant Joseph M. Farley Nuclear Plant (FNP) Unit FNP Unit 1
7388 N. State Hwy 95, Columbia, Al. 36319 WO# SNC 66838
 Address Repair/Replacement Organization P.O. No., Job No., etc.
 3. Work Performed by FNP Maintenance Department Type Code Symbol N/A
7388 N. State Hwy 95, Columbia, Al. 36319 Stamp
 Address Authorization N/A
 No. Expiration N/A
 Date
 4. Identification of System Q1E21SNUBBCVCSR528B, E21- Chemical and Volume Control System CLASS 1 7/12/12
 5. (a) Applicable Construction Code See Remarks. Edition, N/A Addenda, N/A Code Case
 (b) Applicable Edition of Section XI Used for Repair/Replacement Activity 2001 EDITION, 2003 ADDENDA
 (c) Applicable Section XI Code Case(s) N/A

6. Identification Of Components

| Name of Component | Name of Manufacturer | Manufacturer Serial No. | National Board No. | Other Identification | Year Built | Corrected, Removed, or Installed | ASME Code Stamped (Yes or No) |
|-------------------|----------------------|-------------------------|--------------------|----------------------|------------|----------------------------------|-------------------------------|
| HYDRAULIC SNUBBER | ITT GRINNELL | CVCS-R528 | N/A | N/A | 1974 | REMOVED | NO |
| HYDRAULIC SNUBBER | LISEGA | 3110831/002 | N/A | N/A | 2011 | INSTALLED | NO |
| | | | | | | | |
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7. Description of Work
- Replaced ITT Grinnell snubber with Lisega snubber

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

Figure 1

FORM NIS-2 (Back)

WO # SNE 66830

9. Remarks Designed per AISC 1989 Ed, Welded per AWS D1.1-86
Applicable Manufacturer's Data Reports to be attached
CERTIFICATE OF CONFORMANCE

CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and that 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. Vaught Asst. Maint MGR
 Owner or Owner's Designee, Title

Date

7-12-12

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 MSB CT of HARTFORD CT have inspected the components described in this Owner's Report during the period 07/13/2012 to 07/13/2012, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

[Signature]
 Inspector's Signature

Commissions

NB12603A1N, GA690

National Board, State, Province and Endorsements

Date

07/13/2012

Figure 1

FORM NIS-2 OWNER'S REPORT FOR REPAIR/REPLACEMENT ACTIVITY
As Required By The Provisions Of The ASME Code Section XI

1. Owner Southern Nuclear Operating Company Date April 16, 2012
 Name
 40 Inverness Ctr Pkwy, Birmingham, Al. 35242
 Address
 2. Plant Joseph M. Farley Nuclear Plant (FNP) Sheet 1 of 2
 Name
 7388 N. State Hwy 95, Columbia, Al. 36319 Unit FNP Unit 1
 Address
 WO# SNC 66836
 Repair/Replacement Organization P.O. No., Job No., etc.
 3. Work Performed by FNP Maintenance Department Type Code Symbol N/A
 Name Stamp
 7388 N. State Hwy 95, Columbia, Al. 36319 Authorization N/A
 Address Expiration Date N/A
 4. Identification of System Q1E21SNUBBCVCSR528A, E21- Chemical and Volume Control System CLASS 1 due 7/12/12
 5. (a) Applicable Construction Code See Remarks. Edition, N/A Addenda, N/A Code Case
 (b) Applicable Edition of Section XI Used for Repair/Replacement Activity 2001 EDITION, 2003 ADDENDA
 (c) Applicable Section XI Code Case(s) N/A

6. Identification Of Components

| Name of Component | Name of Manufacturer | Manufacturer Serial No. | National Board No. | Other Identification | Year Built | Corrected, Removed, or Installed | ASME Code Stamped (Yes or No) |
|-------------------|----------------------|-------------------------|--------------------|----------------------|------------|----------------------------------|-------------------------------|
| HYDRAULIC SNUBBER | ITT GRINNELL | CVCS-R528 | N/A | N/A | 1974 | REMOVED | NO |
| HYDRAULIC SNUBBER | LISEGA | 3110831/001 | N/A | N/A | 2011 | INSTALLED | NO |
| | | | | | | | |
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| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |

7. Description of Work
- Replaced ITT Grinnell snubber with Lisega snubber

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

Figure 1

FORM NIS-2 (Back)

Wo# SNC 66836

9. Remarks Designed per AISC 1969 Ed, Welded per AWS D1.1-86
Applicable Manufacturer's Data Reports to be attached
CERTIFICATE OF CONFORMANCE

| CERTIFICATE OF COMPLIANCE | | | |
|--|----------------------------|-----------------|----------------|
| We certify that the statements made in the report are correct and that this <u>Replacement</u> 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 | <u>R. Vaught Asst. MGR</u> | Date | <u>7-12-12</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>HSB CT</u> of <u>HARTFORD CT</u> have inspected the components described in this Owner's Report during the period <u>07/13/2012</u> to <u>07/13/2012</u> , and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI. | |
| By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection. | |
| Inspector's Signature <u>[Signature]</u> | Commissions <u>AB 12603.4 IN, GA 690</u> National Board, State, Province and Endorsements |
| Date <u>07/13/2012</u> | |