



Charles R. Pierce
Regulatory Affairs Director

40 Inverness Center Parkway
Post Office Box 1295
Birmingham, AL 35242
205 992 7872 tel
205 992 7601 fax

crpierce@southernco.com

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Docket Nos.: 50-348

NL-17-0167

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

Joseph M. Farley Nuclear Plant – Unit 1
Refueling Outage 1R27 Inservice Inspection Report

Ladies and Gentlemen:

Southern Nuclear Operating Company (SNC) submits the Joseph M. Farley Nuclear Plant (FNP) – Unit 1, Interval 4, Period 3, Outage 2 Inservice Inspection Report (Enclosure). This report describes and summarizes the inservice inspection activities performed during the Fall 2016 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 Ken McElroy at 205.992.7369.

Sincerely,

C.R. Pierce
Regulatory Affairs Director

CRP/JMC/lac

Enclosure: Farley Nuclear Plant – Unit 1 Inservice Inspection Report
Refueling Outage (1R27), Interval 4, Period 3, Outage 2, Tabs A - E

A047
NRR

cc: Southern Nuclear Operating Company

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

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

Mr. D. R. Madison, Vice President – Farley

Mr. M. D. Meier, Vice President – Regulatory Affairs

Mr. B. J. Adams, Vice President – Engineering

Ms. B. L. Taylor, Regulatory Affairs Manager – Farley

RTYPE: CFA04.054

U. S. Nuclear Regulatory Commission

Ms. C. Haney, Regional Administrator

Mr. S. A. Williams, NRR Project Manager – Farley

Mr. P. K. Niebaum, Senior Resident Inspector – Farley

Joseph M. Farley Nuclear Plant – Unit 1
Refueling Outage 1R27 Inservice Inspection Report

Enclosure

Farley Nuclear Plant – Unit 1 Inservice Inspection Report
Refueling Outage (1R27), Interval 4, Period 3, Outage 2, Tabs A - E

INSERVICE INSPECTION REPORT

REFUELING OUTAGE 27

**INTERVAL 4
PERIOD 3
OUTAGE 2**

**J.M. Farley Nuclear Plant
Unit 1
Hwy 95 South
Columbia, Alabama 36319**

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

**COMMERCIAL OPERATION DATE: December 1, 1977
DOCUMENT COMPLETION DATE: January 2017**

FNP 1R27 FINAL REPORT INDEX

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VOLUME 1

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VOLUMES 2 AND 3

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

VOLUME 4

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

***SOUTHERN NUCLEAR
OPERATING COMPANY***

INSERVICE INSPECTIONS

***J. M. FARLEY NUCLEAR PLANT
UNIT 1***

***REFUELING OUTAGE 27
FALL 2016***

**Volume 1
Owner's Report**

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 (As agent for Alabama Power Co.)
40 Inverness Center Parkway
Birmingham, AL. 35242
2. Plant J. M. Farley Nuclear Plant
Hwy 95 South
Columbia, AL. 36319
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 69104	N/A	21385
Reactor Vessel Closure Head	Mitsubishi Heavy Industries, Ltd.	B-VH-N04	N/A	5846
Pressurizer	Westinghouse Tampa	1561	NA	W10793
Steam Gen B & C	Westinghouse Pensacola	ALAD-40308	NA	74
		ALAD-40309	NA	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 05/7/15 to 11/7/16
9. Inspection Period Identification: Third Period - 12/01/2014 to 11/30/17
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 – 9/28/16, Ver. 13; Volume 2 – 9/28/16, Ver. 9.0; Volume 3 – 9/28/16, Ver. 5.0; Volume 6 – 1/8/2016, Ver. 7.0; Volume 7 – 9/28/2016, Ver. 7.0
13. Abstract of Examinations and Tests. Include a list of examinations and tests and a statement concerning status of work required for the Inspection Plan. See Tabs B and C
14. Abstract of Results of Examinations and Tests. See Tab B
15. Abstract of Corrective Measures. See Tab B

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.

FORM NIS-1

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 2/2/2017 Signed Southern Nuclear Operating Co. By R. A. Haney, Jr.
(Owner) Raymond A. Haney, Jr.

CERTIFICATE OF 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 Florida and employed by The Hartford Steam Boiler Inspection and Insurance Company of Connecticut have inspected the components described in this Owner's Report during the period 05/07/2015 to 11/07/2016 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.

RODNEY SEHN Rodney Sehn Commissions 12603A INC, FL 445
Inspector's Signature National Board, State, Province,
and Endorsements

Date 02/02/2017

**OWNER'S REPORT
FOR
INSERVICE INSPECTION**

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
Hwy 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	APR SKETCH
Reactor Vessel	B11	1-1100
Pressurizer	B13/B31	1-2100
Steam Generator B & C	B21	1-3200, 1-3300
Reactor Coolant System	B11/B13	1-4100, 1-4200, 1-4205, 1-4300, 1-4500, 1-4502
Chemical Volume and Control System	E21	1-4108
Safety Injection System	E11 / E21	1-4207, 1-4302, 1-4303, 1-4304, 1-4308, 1-4505
Control Rod Drive Mechanism Housings	B11	1-1300

CLASS 2

COMPONENT OR SYSTEM	SYSTEM DESIGNATION	APR SKETCH
Feedwater	N21	2-4250, 2-4350
Safety Injection System	E21	2-4612
Steam Generator C	B21	2-3300
Main Steam System	N11	2-4300, 2-4301, 2-4500

NAME OF AUTHORIZED NUCLEAR INSERVICE INSPECTOR: Rodney Senn

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

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

TAB B

BALANCE OF PLANT/REACTOR VESSEL EXAMINATION SUMMARY

J. M. FARLEY NUCLEAR PLANT UNIT NO 1 INTERVAL 4 PERIOD 3 OUTAGE 2 BALANCE OF PLANT/REACTOR VESSEL 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 third inspection period examinations and tests which were performed between May 7, 2015 (end of the twenty-sixth maintenance/refueling outage, 1R26 / 4-3-1) and November 7, (end of the twenty-seventh maintenance/refueling outage, 1R27 / 4-3-2).

The examinations were performed in accordance with the approved Outage Plan. The primary areas of examination included the Reactor Pressure Vessel (RPV), RPV Closure Head Control Rod Drive Mechanism (CRDM) housings, Pressurizer, Steam Generator B and C, and various Class 1 and Class 2 piping welds, supports and welded attachments. The tables documenting the Class 1 and 2 vessel, piping, and component support examinations are located in 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 FR 58804, 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 1R26 through the end of 1R27. Owner's Reports for Repairs or Replacements (Form NIS-2) are provided herein. There was a through wall leak identified during 1R27 at an ASME Code Class 3 stainless steel socket weld on the Spent Fuel Pool Cooling common return header. NRC approval was obtained via FNP-ISI-ALT-21, to use a mechanical clamp for the temporary repair with permanent repair scheduled prior to 1R28.

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 not include a summary of the Steam Generator Tube Inspections which are required per FNP Technical Specification 5.6.10. This is normally provided in a separate report 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. Steam Generator tube inspections were not performed during the 27th refueling outage.

RESULTS

If 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 Standard, they are listed in a table under Tab D. SNC defines recordable indications as indications from a nondestructive examination that required evaluation to Code criteria or other applicable standards. Reportable indications are defined as recordable indications that have been evaluated and are Code rejectable. If necessary and applicable, indications were evaluated and dispositioned by Indication Evaluation Reports (IER's). A listing of IER's is attached and the data sheets or evaluations are available at FNP for review. The results are summarized under Tab D.

SUMMARY OF INDICATIONS

CLASS 1

(A) VOLUMETRIC EXAMINATIONS

- There were no reportable Class 1 Volumetric indications.
- One (1) class 1 weld had limited volumetric coverage during UT examinations because of physical limitations due to the configuration of the welded area. 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 configuration of the welded area. This limited examination 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 were no reportable Class 1 Visual examinations.

CLASS 2

(A) VOLUMETRIC EXAMINATIONS

- There were no reportable Class 2 Volumetric indications.
- No welds had limited volumetric coverage during UT examination.

(B) SURFACE EXAMINATIONS

- There were no reportable Class 2 Surface indications.

(C) VISUAL EXAMINATIONS

- There were 2 recordable Class 2 Visual indications associated with spring can supports out of design tolerance. See IER-001 and IER-002 Spring can settings were adjusted to within tolerance and expanded scope inspections performed. There were no reportable Class 2 Visual indications.

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 27th refueling outage. To meet the requirements of IWA-5242(a), insulation was removed from all insulated Class 1 pressure retaining bolted connections for VT-2 visual examination after the system was depressurized. There were 19 minor packing and threaded connections which had some degree of boron accumulation. In each case, an evaluation was performed and any necessary corrective actions were taken. The results of this testing is also documented in FNP-1-STP-156.2 for the Farley 1R27 outage.

- **Class 2 System Leakage Testing**

In accordance with IWC-5210(a), system leakage testing was performed during the 27th refueling outage on portions of the following systems: Residual Heat Removal, Chemical and Volume Control, Safety Injection, Containment Spray, Auxiliary Feedwater, Chemical Injection, and Sample System. There were 20 components with recorded indications (mainly minor packing leaks and end cap leaks and gasket leaks, 2 pump seal leaks) 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.

- **IWE Examinations**

During the 1R27 refueling outage, General Visual examinations of the liner plate was performed. The examination was performed in accordance with the ASME Code Section XI, Subsection IWE of the 2001 edition through the 2003 addenda. The evaluation was performed and documented using NMP-ES-024-207, General Visual Examination. The following information has been provided and documented to meet the requirement of 10 CFR 50.55a(b)(2)(ix)(A).

In 1R27, the containment liner plate was inspected. The scope of the inspection required a 360° inspection of each elevation (from the 105' elevation to the elevation above the 155' elevation). The VT-3, VT-1 of any bolted connection disassembled scope was not performed because none of the electrical or the non-electrical penetrations were disassembled this outage.

Based on the general visual examination, the following acceptable flaws were found:

- On the containment 155', 129', 105' elevation and the containment dome, coatings discontinuities such as flaking and chipping were noted and not service induced. No rust, pitting or loss of wall thickness noted.

Each elevation discontinuity has a condition report written to document the flaw. Each flaw was deemed acceptable.

- **IWL Examinations**

No IWL examinations were performed during this reporting period.

STATUS OF EXAMINATIONS REQUIRED FOR CURRENT INTERVAL

The 1R27 Outage was the 2nd Outage in the 3rd Period of the 4th Interval. The results from this outage, combined with the "completed" examinations from the previous refueling outage 1R26

(Spring 2015) will represent 100% of the total Class 1 and 2 scope for the third period of the fourth interval, with the exception of the Class 1 10-Year system leakage test and the RPV lower core plate and lower support columns, which are all scheduled to be completed during 1R28 (Spring 2018). Spring 2018 will be within one year of the end of the 4th Interval (11/30/17). 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.

As a note, Farley received approval to implement EPRI Risk-Based ISI (RIS_B) starting in the 2nd Period of the 4th Interval. Approval was documented in a NRC Safety Evaluation on January 18, 2012 (ADAMS Number ML12012A135). Farley's ISI Plan Documents have been revised to reflect such implementation for Section XI Examination Categories B-F, B-J, C-F-1, and C-F-2 and as a result the "Total Exams Required During 4th Interval" will reflect what the requirements were at the beginning of the interval and the "% of Total Exams Completed for Interval" will reflect the completion percentage for the First Period.

- **Applicable Code Cases**

The applicable Code Cases for the 1R27 Outage included:

N-460	N-648	N-663	N-695	N-696
N-700	N-706	N-722-1	N-729-1	N-770-1

Table 1 Farley Unit 1 - 1R27 Outage Completion Percentages							
Cat.	Item No.	Code Case / ALT	Population	Percent of Population Required To Be Examined	Total Exams Required During 4th Interval	No. of Exams Completed in 1R27	% of Total Exams Completed for Interval
B-A	B1.11	ALT-18	3	100%	3	0	0%
B-A	B1.12	ALT-18	4	100%	4	0	0%
B-A	B1.21	ALT-18	2	100%	2	0	0%
B-A	B1.22	ALT-18	6	100%	6	0	0%
B-A	B1.30	ALT-18	1	100%	1	0	0%
Total:			16		16	0	0%
B-B	B2.11		2	100%	2	1	100%
B-B	B2.12		2	100%	2	1	100%
B-B	B2.40		3	33.33%	1	0	100%
Total:			7		5	2	100%
B-D	B3.100	ALT-18	6	100%	6	0	0%
B-D	B3.110		6	100%	6	1	100%
B-D	B3.120		6	100%	6	1	100%
B-D	B3.140		6	100%	6	4	100%
B-D	B3.90	ALT-18	6	100%	6	0	0%
Total:			30		30	6	60%
B-F	B5.70	N-663 / ALT-12	6	100%	6	0	16.6%
Total:			6		6		16.6%
B-G-1	B6.10		1	100%	1	0	100%
B-G-1	B6.180		3	33.33%	1	0	100%
B-G-1	B6.190		3	0%	0	0	0%
B-G-1	B6.20		1	100%	1	0	100%
B-G-1	B6.40	ALT-19	1	100%	1	0	0%
B-G-1	B6.50		1	100%	1	0	100%
Total:			10		5	0	67%

Table 1
Farley Unit 1 - 1R27 Outage
Completion Percentages

Cat.	Item No.	Code Case / ALT	Population	Percent of Population Required To Be Examined	Total Exams Required During 4th Interval	No. of Exams Completed in 1R27	% of Total Exams Completed for Interval
B-G-2	B7.20		1	0%	0	0	0%
B-G-2	B7.30		6	0%	0	0	100%
B-G-2	B7.50		9	33.33%	2	0	100%
B-G-2	B7.60		3	33.33%	0	0	100%
B-G-2	B7.70		24	25%	1	0	100%
*Total:			43		3	0	80%
B-J	B9.11	N-663 / ALT-12	360	25%	90	0	39%
B-J	B9.21		55	25%	14	0	43%
B-J	B9.31		14	25%	4	0	0%
B-J	B9.32		24	25%	6	0	34%
B-J	B9.40		244	25%	61	0	14%
Total:			697		175	0	30%
B-K	B10.10	N-700	1	100%	1	0	100%
B-K	B10.10(R)		3	33.33%	1	0	0%
B-K	B10.20		37	10%	4	3	125%
Total:			41		6	3	100%
B-L-2	B12.20		3	0%	0	0	0
Total:			3		0	0	0
B-M-2	B12.50(1)		4	25%	1	0	100%
B-M-2	B12.50(2)		6	0%	0	0	0
B-M-2	B12.50(3)		5	0%	0	0	0
B-M-2	B12.50(4)		3	0%	0	0	0
B-M-2	B12.50(5)		6	0%	0	0	0
Total:			24		1	0	100%
B-N-1	B13.10		1	100%	1	1	100%
Total:			1		1	1	100%

<p align="center">Table 1 Farley Unit 1 - 1R27 Outage Completion Percentages</p>							
Cat.	Item No.	Code Case / ALT	Population	Percent of Population Required To Be Examined	Total Exams Required During 4th Interval	No. of Exams Completed in 1R27	% of Total Exams Completed for Interval
B-N-2	B13.60		4	100%	4	4	100%
Total:			4		4	4	100%
B-N-3	B13.70		19	100%	19	17	89%
Total:			19		19	17	89%
B-O	B14.10(1)		38	18.3%	5	5	100%
Total:			38		5	5	100%
C-A	C1.20		3	33.33%	1	1	100%
C-A	C1.30		3	33.33%	1	0	100%
Total:			6		2	1	100%
C-B	C2.21		3	33.33%	1	1	100%
C-B	C2.22		3	33.33%	1	0	100%
Total:			6		2	1	100%
C-C	C3.10	N-700	6	16.66%	1	1	100%
C-C	C3.20		210	10.1%	22	8	100%
C-C	C3.30		12	10%	2	2	100%
Total:			228		25	11	100%
C-F-1	C5.11	N-663 / ALT-12	876	7.5%	66	0	10%
C-F-1	C5.21		412	7.5%	31	0	4%
C-F-1	C5.30		347	7.5%	27	0	49%
C-F-1	C5.41		18	7.5%	2	0	50%
Total:			1653		126	0	17%
C-F-2	C5.51	N-663 / ALT-12	210	11.9%	25	0	56%
C-F-2	C5.60		12	8.33%	1	0	0%
C-F-2	C5.81		24	8.33%	2	0	50%
Total:			246		28	0	54%

<p align="center">Table 1 Farley Unit 1 - 1R27 Outage Completion Percentages</p>							
Cat.	Item No.	Code Case / ALT	Population	Percent of Population Required To Be Examined	Total Exams Required During 4th Interval	No. of Exams Completed in 1R27	% of Total Exams Completed for Interval
D-A	D1.10	N-700	9	44%	4	2	100%
D-A	D1.20		256	11.5%	30	16	107%
Total:			265		34	18	106%
F-A	F1.10A(1)		12	25%	3	1	67%
F-A	F1.10B(1)		60	26%	16	6	107%
F-A	F1.10C(1)		34	25%	9	3	100%
F-A	F1.10D(1)		63	27%	18	5	100%
F-A	F1.10E(1)		41	24%	10	3	100%
F-A	F1.10F(1)		1	0%	0	0	0%
F-A	F1.10S(1)		48	27%	13	4	124%
Total:			259	25%	65	22	110%
F-A	F1.20A(1)		63	15%	10	4	90%
F-A	F1.20B(1)		150	14%	21	7	100%
F-A	F1.20C(1)		20	28%	6	2	84%
F-A	F1.20D(1)		137	15.7%	22	8	96%
F-A	F1.20E(1)		79	15%	12	4	100%
F-A	F1.20F(1)		27	14.8%	4	1	100%
F-A	F1.20G(1)		14	20%	3	0	100%
F-A	F1.20S(1)		33	16.9%	6	8	200%
Total:			523	15%	79	34	106%
F-A	F1.30A(1)		63	9.5%	6	2	100%
F-A	F1.30B(1)		110	9.8%	11	3	100%
F-A	F1.30C(1)		5	20%	1	0	100%
F-A	F1.30D(1)		316	10.7%	34	10	100%
F-A	F1.30E(1)		116	12.5%	15	4	107%
F-A	F1.30F(1)		97	10.6%	11	4	100%
F-A	F1.30H(1)		26	9.5%	3	2	100%
F-A	F1.30S(1)		9	21%	2	1	100%

Table 1 Farley Unit 1 - 1R27 Outage Completion Percentages							
Cat.	Item No.	Code Case / ALT	Population	Percent of Population Required To Be Examined	Total Exams Required During 4th Interval	No. of Exams Completed in 1R27	% of Total Exams Completed for Interval
F-A	F1.40(1)		75	45.5%	35	19	106%
Total:			817	10%	82	45	147%
Total:			1599		226	101	123%
R-A	R1.11	ALT-12	171	11.69%	20	7	100%
R-A	R1.11H	ALT-12	57	5.26%	3	0	100%
R-A	R1.16	ALT-12	9	22.2%	2	0	100%
R-A	R1.11/16	ALT-12	7	0%	0	0	0%
R-A	R1.20	ALT-12	615	4.4%	27	6	100%
R-A	R1.20BER	ALT-12	151	10.5%	16	3	100%
Total:			1059		68	16	100%

*THE COMPLETION PERCENTAGE FOR THIS Examination Category, B-G-2, may be above the 100% completion percentage due to the way these exams are counted in the ISI Program. This is due to Exam Category B-G-2 exams being performed on components as they are disassembled instead of scheduling examinations ahead of time. Program requirements for this Examination Category are being met.

Note:

Categories B-F, B-J, C-F-1, C-F-2 and R-A are or have been affected by NRC approval of FNP-ISI-ALT-12, which allowed the implementation of Risk Informed Inservice Inspections. Due to the utilization of Risk-Informed the completion percentages for B-F, B-J, C-F-1, and C-F-2 will only reflect one Period of exams being completed for the entire Interval. In accordance with Table IWB-2412-1, a minimum of 16% must be completed during the first inspection period. Category R-A exams will account for two Periods of examinations, however, completion percentage will reflect as if the two Periods made up the interval instead of the normal three Periods.

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
F-A F1.40(1)	ALA1-1100-CS-2 RPV SUPPORT	NMP-ES-024-203	NA	S16F1V056	Sat	NA
F-A F1.40(1)	ALA1-1100-CS-4 RPV SUPPORT	NMP-ES-024-203	NA	S16F1V057	Sat	NA
F-A F1.40(1)	ALA1-1100-CS-6 RPV SUPPORT	NMP-ES-024-203	NA	S16F1V058	Sat	NA
B-O B14.10	ALA1-1300-35R-L CRD HOUSING WELDS	NMP-ES-024-301	NA	S16F1P003	NRI	NA
B-O B14.10	ALA1-1300-40R CRD HOUSING WELDS	NMP-ES-024-301	NA	S16F1P004	NRI	NA
B-O B14.10	ALA1-1300-50R-L CRD HOUSING WELDS	NMP-ES-024-301	NA	S16F1P005	NRI	NA
B-O B14.10	ALA1-1300-51R-L CRD HOUSING WELDS	NMP-ES-024-301	NA	S16F1P006	NRI	NA
B-O B14.10	ALA1-1300-53R-L CRD HOUSING WELDS	NMP-ES-024-301	NA	S16F1P007	NRI	NA
B-B B2.12	ALA1-2100-1 PZR LOWER SHELL LONG SEAM	NMP-ES-024-516	APR-7	S16F1U054	NRI	NA
B-D B3.110	ALA1-2100-10 SAFETY NOZZLE TO PZR TOP HEAD	NMP-ES-024-516	APR-7	S16F1U070	NRI	NA
B-D B3.120	ALA1-2100-10IR PZR NOZZLE INNER RADIUS	NMP-ES-024-513	APR-7	S16F1U069	NRI	NA
B-B B2.11(1)	ALA1-2100-4 PZR BOTTOM HEAD TO LOWER SHELL	NMP-ES-024-516	APR-7	S16F1U055	NRI	97.3% Code coverage.
F-A F1.40(1)	ALA1-2100-CS-1 PRESSURIZER SKIRT Q1B31K001	NMP-ES-024-203	NA	S16F1V032	Sat	NA
B-D B3.140(1)	ALA1-3200-IR1R SG HOT LEG NOZZLE INNER RADIUS	NMP-ES-024-513	ALA-54	S16F1U080	NRI	NA
B-D B3.140(1)	ALA1-3200-IR2R SG CROSS-OVER NOZ INNER RADIUS	NMP-ES-024-513	ALA-54	S16F1U081	NRI	NA
B-D B3.140(1)	ALA1-3300-IR1R SG HOT LEG NOZZLE INNER RADIUS	NMP-ES-024-513	ALA-54	S16F1U095	NRI	NA
B-D B3.140(1)	ALA1-3300-IR2R SG CROSS-OVER NOZ INNER RADIUS	NMP-ES-024-513	ALA-54	S16F1U096	NRI	NA

Farley Unit 1
Class 1 Components

ASME Section XI	Examination/Area	Examination Procedure(s)	Cal Block(s)	Exam/Cal Sheet No(s).	Results	Remarks
F-A F1.40(1)	ALA1-3300-CS-1R STEAM GENERATOR 1C Q1B21H001C	NMP-ES-024-203	NA	S16F1V023	Sat	NA
F-A F1.40(1)	ALA1-3300-CS-2R STEAM GENERATOR 1C Q1B21H001C	NMP-ES-024-203	NA	S16F1V024	Sat	NA
F-A F1.40(1)	ALA1-3300-CS-3R STEAM GENERATOR 1C Q1B21H001C	NMP-ES-024-203	NA	S16F1V025	Sat	NA
F-A F1.40(1)	ALA1-3300-CS-4R STEAM GENERATOR 1C Q1B21H001C	NMP-ES-024-203	NA	S16F1V026	Sat	NA
N-770-1 B	ALA1-4100-14DM-BMV SAFE END TO R.V. NOZZLE	VENDOR	VENDOR	WDI-PJF- 1313823-FSR-001	NRI	See Westinghouse report
N-770-1 A-2	ALA1-4100-1DM-BMV R.V. NOZZLE TO SAFE END	VENDOR	VENDOR	WDI-PJF- 1313823-FSR-001	NRI	See Westinghouse report
R-A R1.11(1)	ALA1-4108-10-RB ELBOW TO PIPE	NMP-ES-024-501	ALA-67	S16F1U076	NRI	97% Code coverage
R-A R1.11(1)	ALA1-4108-11-RB PIPE TO VALVE	NMP-ES-024-501	ALA-67	S16F1U077	NRI	NA
R-A R1.11(1)	ALA1-4108-5-RB PIPE TO PIPE	NMP-ES-024-501	ALA-67	S16F1U071	NRI	NA
R-A R1.11(1)	ALA1-4108-6-RB PIPE TO ELBOW	NMP-ES-024-501	ALA-67	S16F1U072	NRI	97% Code coverage
R-A R1.11(1)	ALA1-4108-7-RB ELBOW TO VALVE	NMP-ES-024-501	ALA-67	S16F1U073	NRI	NA
R-A R1.11(1)	ALA1-4108-8-RB VALVE TO PIPE	NMP-ES-024-501	ALA-67	S16F1U074	NRI	50% Code coverage. Relief request required.
R-A R1.11(1)	ALA1-4108-9-RB PIPE TO ELBOW	NMP-ES-024-501	ALA-67	S16F1U075	NRI	97% Code coverage
N-770-1 B	ALA1-4200-14DM-BMV SAFE END TO RV NOZZLE	VENDOR	VENDOR	WDI-PJF- 1313823-FSR-001	NRI	See Westinghouse report
N-770-1 A-2	ALA1-4200-1DM-BMV RV NOZZLE TO SAFE END	VENDOR	VENDOR	WDI-PJF- 1313823-FSR-001	NRI	See Westinghouse report
F-A F1.10B	ALA1-4205-RC-R15 TWO DIRECTIONAL RESTRAINT	NMP-ES-024-203	NA	S16F1V039	Sat	NA
B-K B10.20	ALA1-4207-CVCS-R505 (W) WELDED ATTACHMENT	NMP-ES-024-301	NA	S16F1P010	NRI	NA

Farley Unit 1
Class 1 Components

ASME Section XI	Examination/Area	Examination Procedure(s)	Cal Block(s)	Exam/Cal Sheet No(s).	Results	Remarks
F-A F1.10E(1)	ALA1-4207-CVCS-R505 SWAY STRUT(2) W/ATTACH	NMP-ES-024-203	NA	S16F1V039	Sat	NA
F-A F1.10B(1)	ALA1-4207-CVCS-R512 ONE DIRECTIONAL RESTRAINT W/ATTACH	NMP-ES-024-203	NA	S16F1V052	Sat	NA
N-770-1 B	ALA1-4300-14DM-BMV SAFE END TO RV NOZZLE	VENDOR	VENDOR	WDI-PJF- 1313823-FSR-001	NRI	See Westinghouse report
N-770-1 A-2	ALA1-4300-1DM-BMV RV NOZZLE TO SAFE END	VENDOR	VENDOR	WDI-PJF- 1313823-FSR-001	NRI	See Westinghouse report
F-A F1.10C(1)	ALA1-4302-SI-H130 SPRING CAN	NMP-ES-024-203	NA	S16F1V029	Sat	NA
B-K B10.20	ALA1-4303-SI-R134 (W4) WELDED ATTACHMENT	NMP-ES-024-301	NA	S16F1P011	NRI	NA
F-A F1.10E(1)	ALA1-4303-SI-R134 SWAY STRUT(2) W/ATTACH	NMP-ES-024-203	NA	S16F1V021	Sat	NA
F-A F1.10E(1)	ALA1-4303-SI-R140 SWAY STRUT	NMP-ES-024-203	NA	S16F1V020	Sat	NA
F-A F1.10B(1)	ALA1-4303-SI-R148 ONE DIRECTIONAL RESTRAINT W/ATTACH	NMP-ES-024-203	NA	S16F1V022	Sat	NA
F-A F1.10B(1)	ALA1-4304-SI-R150 ONE DIRECTIONAL RESTRAINT W/ATTACH	NMP-ES-024-203	NA	S16F1V052	Sat	NA
F-A F1.10D(1)	ALA1-4308-SS-1998 TWO DIRECTIONAL RESTRAINT	NMP-ES-024-203	NA	S16F1V030	Sat	NA
F-A F1.10B(1)	ALA1-4308-SS-2000 ONE DIRECTIONAL RESTRAINT	NMP-ES-024-203	NA	S16F1V027	Sat	NA
R-A R1.20(1)	ALA1-4310-3-RB ELBOW TO PIPE	NMP-ES-024-501	ALA-9	S16F1U058	NRI	NA
F-A F1.10C(1)	ALA1-4500-RC-R1 SPRING CAN (2)	NMP-ES-024-203	NA	S16F1V049	Sat	NA
N-770-1 WOL	ALA1-4501-WOL-1 PZR SAFETY NOZZLE OVERLAY	NMP-ES-024-509	AX 8-03 CIRC 8-03	S16F1U068	NRI	NA
B-K B10.20	ALA1-4502-RC-R220 (W4) WELDED ATTACHMENT	NMP-ES-024-301	NA	S16F1P012	NRI	NA
F-A F1.10C(1)	ALA1-4502-RC-R220 SPRING CAN W/ATTACH	NMP-ES-024-203	NA	S16F1V044	Sat	NA

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-770-1 WOL	ALA1-4502-WOL-1 PZR SAFETY NOZZLE OVERLAY	NMP-ES-024-509	AX 8-03 CIRC 8-03	S16F1U067	NRI	NA
F-A F1.10B(1)	ALA1-4505-SS-2009 ONE DIRECTIONAL RESTRAINT	NMP-ES-024-203	NA	S16F1V041	Sat	NA
F-A F1.10A(1)	ALA1-4505-SS-2017 ANCHOR 2 U-BOLTS	NMP-ES-024-203	NA	S16F1V047	Sat	NA
F-A F1.10D(1)	ALA1-4505-SS-2020 TWO DIRECTIONAL RESTRAINT	NMP-ES-024-203	NA	S16F1V034	Sat	NA
F-A F1.10D(1)	ALA1-4505-SS-2027 TWO DIRECTIONAL RESTRAINT	NMP-ES-024-203	NA	S16F1V035	Sat	NA
F-A F1.10B(1)	ALA1-4505-SS-2029 ONE DIRECTIONAL RESTRAINT	NMP-ES-024-203	NA	S16F1V036	Sat	NA

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-C C3.10	ALA2-3300-10R TRUNNION 1	NMP-ES-024-301	NA	S16F1P013	NRI	NA
C-A C1.20(1)	ALA2-3300-6R ELLIPTICAL HEAD TO UPPER SHELL	NMP-ES-024-516	ALA-58	S16F1U100	NRI	NA
C-B C2.21(1)	ALA2-3300-8R FEEDWATER NOZZLE TO SHELL WELD	NMP-ES-024-516	ALA-58	S16F1U099	NRI	NA
F-A F1.20C(1)	ALA2-4100-MS3-H6 SPRING CAN(2) W/ATTACH	NMP-ES-024-203	NA	S16F1V051 S16F1V055	Unsat Sat	IER-002
F-A F1.20B(1)	ALA2-4100-MS3-R4 ONE DIRECTIONAL RESTRAINT W/ATTACH	NMP-ES-024-203	NA	S16F1V053	Sat	NA
F-A F1.20C(1)	ALA2-4200-MS4-H14 SPRING CAN W/ATTACH	NMP-ES-024-203	NA	S16F1V054	Sat	NA
R-A R1.20(1)	ALA2-4250-11R-RB PIPE TO PIPE	NMP-ES-024-502	ALA-65	S16F1U104	NRI	NA
R-A R1.20(1)	ALA2-4250-12R-RB PIPE TO PIPE	NMP-ES-024-502	ALA-65	S16F1U105	NRI	NA
R-A R1.20(1)	ALA2-4250-14R-RB PIPE TO ELBOW	NMP-ES-024-502	ALA-65	S16F1U106	NRI	NA
F-A F1.20C(1)	ALA2-4300-MS5-H15 SPRING CAN W/ATTACH	NMP-ES-024-203	NA	S16F1V050	Sat	NA
F-A F1.20C(1)	ALA2-4300-MS5-H18 SPRING CAN(2) W/ATTACH	NMP-ES-024-203	NA	S16F1V019 WO SNC823755	Unsat Sat	IER-001
C-C C3.20	ALA2-4300-MS5-H18 (W8) WELDED ATTACHMENT	NMP-ES-024-401	NA	S16F1M002	NRI	NA
R-A R1.20BER	ALA2-4301-33-RB PIPE TO ELBOW	NMP-ES-024-502	ALA-65	S16F1U017	NRI	NA
R-A R1.20BER	ALA2-4301-34-RB ELBOW TO PIPE	NMP-ES-024-502	ALA-65	S16F1U018	NRI	NA
R-A R1.20BER	ALA2-4301-4-RB PIPE TO ELBOW	NMP-ES-024-502	ALA-65	S16F1U005	NRI	NA
R-A R1.20(1)	ALA2-4350-22-RB PIPE TO ELBOW	NMP-ES-024-502	ALA-65	S16F1U107	NRI	NA
R-A R1.20(1)	ALA2-4350-23R-RB ELBOW TO REDUCER	NMP-ES-024-502	ALA-65	S16F1U101	NRI	NA

**Farley Unit 1
Class 2 Components**

ASME Section XI	Examination/Area	Examination Procedure(s)	Cal Block(s)	Exam/Cal Sheet No(s).	Results	Remarks
R-A R1.20(1)	ALA2-4350-24R-RB REDUCER TO NOZZLE	NMP-ES-024-502	ALA-51 ALA-65	S16F1U102	NRI	NA
F-A F1.20F(1)	ALA2-4612-SI-R273 3 DIRECTIONAL RESTRAINT W/ATTACH	NMP-ES-024-203	NA	S16F1V031	Sat	NA
C-C C3.20	ALA2-4612-SI-R273 (WS) WELDED ATTACHMENT	NMP-ES-024-301	NA	S16F1P009	NRI	NA

**Farley Unit 1
IVVI Components**

ASME Section XI	Component	Description
B-N-1 B13.10	1B11 IIA-1	TOP OF VESSEL SEAL SURFACE AREA
B-N-1 B13.10	1B11 IIA-2	VESSEL GENERAL INTERIOR
B-N-2 B13.60	1B11 IIA-3	CORE SUPPORT LUG ATTACHMENT WELD @ 0 DEG
B-N-2 B13.60	1B11 IIA-3A	CORE SUPPORT LUG ATTACHMENT WELD @ 0 DEG
B-N-2 B13.60	1B11 IIA-4	CORE SUPPORT LUG ATTACHMENT WELD @ 90 DEG
B-N-2 B13.60	1B11 IIA-4A	CORE SUPPORT LUG ATTACHMENT WELD @ 90 DEG
B-N-2 B13.60	1B11 IIA-5	CORE SUPPORT LUG ATTACHMENT WELD @ 180 DEG
B-N-2 B13.60	1B11 IIA-5A	CORE SUPPORT LUG ATTACHMENT WELD @ 180 DEG
B-N-2 B13.60	1B11 IIA-6	CORE SUPPORT LUG ATTACHMENT WELD @ 270 DEG
B-N-2 B13.60	1B11 IIA-6A	CORE SUPPORT LUG ATTACHMENT WELD @ 270 DEG
B-N-3 B13.70	1B11 IID-3	UPPER CORE PLATE FUEL ALIGNMENT PINS - 0° THRU 360°
B-N-3 B13.70	1B11 IIE-2	INTERIOR TOP SECTION OF CORE BARREL FLANGE AREA, FLANGE TO UPPER BARREL WELD - 0° THRU 360°
B-N-3 B13.70	1B11 IIE-2A	INTERIOR CORE BARREL SURFACE ANAMOLY AT APPROXIMATELY 75 DEGREES
B-N-3 B13.70	1B11 IIE-3	INTERIOR CORE BARREL OUTLET NOZZLE SURFACES @ 25°, 145° & 265°
B-N-3 B13.70	1B11 IIE-4	INTERIOR UPPER BARREL TO LOWER BARREL WELD, TOP LEDGE OF BAFFEL TO FORMER PLATE, ALIGNMENT KEYS & GENERAL SCAN FOR DEBRIS - 0° THRU 360°
B-N-3 B13.70	1B11 IIE-5	EXTERIOR CORE BARREL OUTLET NOZZLE SURFACE @ 25°
B-N-3 B13.70	1B11 IIE-6	EXTERIOR CORE BARREL OUTLET NOZZLE SURFACE @ 145°

**Farley Unit 1
IVVI Components**

ASME Section XI	Component	Description
B-N-3 B13.70	1B11 IIE-8	EXTERIOR FLANGE SURFACE, HEAD TO VESSEL ALIGNMENT PINS, FLANGE FLOW NOZZLES, IRRADIATION SPECIMEN PORTS, HOLD DOWN SPRING, & ALIGNMENT KEYS - 0° THRU 360°
B-N-3 B13.70	1B11 IIE-9	EXTERIOR LOWER SECTION OF CORE BARREL, NEUTRON PANELS & BOLTING & LOCKING DEVICES, IRRADIATION SPECIMEN BASKETS & UPPER BARREL TO LOWER BARREL WELD - 0° THRU 360°
B-N-3 B13.70	1B11 IIE-10	EXTERIOR BARREL-FORMER BOLTS
B-N-3 B13.70	1B11 IIE-11	EXTERIOR UPPER BARREL TO LOWER BARREL GIRTH WELD - 0° THRU 360°
B-N-3 B13.70	1B11 IIE-12	EXTERIOR RADIAL SUPPORT KEYS @ 0°
B-N-3 B13.70	1B11 IIE-13	EXTERIOR RADIAL SUPPORT KEYS @ 90°
B-N-3 B13.70	1B11 IIE-14	EXTERIOR RADIAL SUPPORT KEYS @ 180°
B-N-3 B13.70	1B11 IIE-15	EXTERIOR RADIAL SUPPORT KEYS @ 270°
B-N-3 B13.70	1B11 IIE-16	EXTERIOR CORE SUPPORT STRUCTURE, TIE PLATES, SUPPORT COLUMNS FASTENERS & LOCKING DEVICES, ENERGY ABSORBERS, INSTRUMENTATION TUBES - 0° THRU 360°
B-N-3 B13.70	1B11 IIE-17	EXTERIOR LOWER SECTION OF CORE BARREL, NEUTRON PANELS & BOLTING & LOCKING DEVICES, IRRADIATION SPECIMEN BASKETS - 0° THRU 360°
B-N-3 B13.70	1B11 IIE-18	LOWER CORE PLATE
B-N-3 B13.70	1B11 IIE-19	LOWER SUPPORT COLUMNS VIA LOWER CORE PLATE
B-N-2 B13.60	1B11 IIE-3	BOTTOM HEAD AREA & BOTTOM MOUNTED INSTRUMENTATION NOZZLES & WELDS, GENERAL SCAN FOR DEBRIS

TAB D

SUMMARY OF RECORDABLE INDICATIONS

SUMMARY OF RECORDED INDICATIONS
2016 UNIT 1 REFUELING OUTAGE - 1R27

[illegible]

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 (1R26) through the completion of the twenty-seventh maintenance/refueling outage (1R27). 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:

SNC50796	SNC476822	SNC658790	SNC719680	SNC720079	SNC818015
SNC53437	SNC476823	SNC677340	SNC719692	SNC725914	SNC820313
SNC61577	SNC510835	SNC677406	SNC719693	SNC737910	SNC820419
SNC61758	SNC510836	SNC678843	SNC719695	SNC744634	SNC820420
SNC392374	SNC530620	SNC711334	SNC719696	SNC744672	SNC820969
SNC392375	SNC625474	SNC719324	SNC719699	SNC798602	SNC821066
SNC422185	SNC652502	SNC719347	SNC719710	SNC799318	SNC821677
SNC456952	SNC654797	SNC719349	SNC720054	SNC805810	SNC822444
SNC465298	SNC658789	SNC719352	SNC720061	SNC817876	

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
Name
40 Inverness Cir Pkwy, Birmingham, Al. 35242
Address

Date: 3/1/2016
Sheet 1 of 2
Unit FNP Unit 1

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

WO# SNC50796
Repair/Replacement Organization P.O. No., Job No., etc.
Type Code Symbol Stamp N/A
Authorization No. N/A
Expiration Date N/A

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

4. Identification of System P16, Service Water System, Q1P16P001C, Class 3

5. (a) Applicable Construction Code 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)
Pump Assy	Byron Jackson	721-E-0220	N/A	FNP-220	1973	Removed	Yes
Disch. Head	Penn Iron Works	37	37	QP960514	1996	Removed	Yes
2x1/2" Red. Tee	UNK	UNK	N/A	UNK	UNK	Removed	No
2" Pipe	UNK	UNK	N/A	UNK	UNK	Removed	No
Pump Assy (see below)	Sulzer	08C02144	N/A	SNA10086615	2015	Installed	Yes
Column	Penn Ironworks	6184N-1	524	SNA10086615	2007	Installed	Yes
Column	Penn Ironworks	6184N-2	522	SNA10086615	2007	Installed	Yes
Column	Penn Ironworks	6184N-3	520	SNA10086615	2007	Installed	Yes
1 st Stage Bowl	Sulzer	10881632	N/A	SNA10086615	2015	Installed	Yes
2 nd Stage Bowl	Sulzer	10881631	N/A	SNA10086615	2015	Installed	Yes
Suction Bell	Sulzer	10881636	N/A	SNA10086615	2015	Installed	No
Disch. Head	Penn Ironworks	10505N-1	N/A	SNA10081291	2015	Installed	Yes
2x1/2" Red. Tee	Bonney Forge	77460	N/A	QP080136	2008	Installed	No
2" Pipe	Michigan Seamless Tube	002M55706	N/A	SNA31372-0225	2014	Installed	No
1/2 x 13 UNC Nuts (4)	Ronson Mfg.	151788	N/A	QP080340	2006	Installed	No

7. Description of Work Replaced 1C SW Pump with a new pump per DCP 1051571101. The discharge head for the new pump assembly was removed and another discharge head was installed. The discharge heads are unit specific while the pumps are not.

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

FORM NIS-2 (Back)

9. Remarks WO# SNC50796

Applicable Manufacturer's Data Reports to be attached

Replacement materials were issued per transaction numbers 12626176, 12594792, 12622229, 12622228, and 12564084.

Code data reports are attached. A VT-2 Examination was performed.

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 Ronald Williams MSM Date 3-1-16
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 Florida and employed by The Hartford Steam Boiler Inspection and Insurance Company of Hartford, Connecticut have inspected the components described in this Owner's Report during the period 08/27/2015 to 03/08/2016, 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 SENN
Inspector's Signature

Commissions 12603 AINC, FL445
National Board, State, Province and Endorsements

Date 03/08/2016

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
Name
40 Inverness Cir Pkwy, Birmingham, Al. 35242
Address

Date: 11/30/2016

Sheet 1 of 2

Unit FNP Unit 1

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

WO# SNC53437
Repair/Replacement Organization P.O. No., Job No., etc.

Type Code Symbol Stamp N/A

Authorization No. N/A

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

Expiration Date N/A

4. Identification of System N11, Q1N11V0010D, Main Steam System, Class 2

5. (a) Applicable Construction Code 1971 Edition, Winter 1971 Addenda, 1574 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)
Spindle	Dresser	AAC24	N/A	FNP2-64	1980	Removed	No
Disc	Dresser	AAC90	N/A	FNP2-64	1980	Removed	No
Compression Screw	Dresser	AAC28	N/A	FNP2-64	1980	Removed	No
1-3/8" Stud (12)	Unk	Unk	N/A	Unk	Unk	Removed	No
1-3/8" Nut (24)	Unk	Unk	N/A	Unk	Unk	Removed	No
Spindle	Dresser	AKS75	N/A	SNA10112372	2016	Installed	
Disc	Dresser	AKU79	N/A	SNA10112372	2016	Installed	
Compression Screw	Dresser	AKS51	N/A	SNA10112372	2016	Installed	
1-3/8" Stud (12)	Vulcan	907488	N/A	SNA10134276	2016	Installed	No
1-3/8" Nut (24)	Mid-South Nuclear	78AH/1M57610	N/A	SNA31607-0083	2016	Installed	No

7. Description of Work Repaired valve and replaced hardware.

8. Test Conducted:

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

FORM NIS-2 (Back)

9. Remarks WON SNC53437

Applicable Manufacturer's Data Reports to be attached

Replaced spindle, disc, compression screw, nuts and bolting. Test reports attached and a VT-2 was performed.

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.

Type Code Symbol Stamp _____ N/A

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

Signed Ronald W. Williams MSW Date 12-7-16
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 Florida and employed by The Hartford Steam Boiler Inspection and Insurance Company of Connecticut

have inspected the components described in this Owner's Report during the period 10/10/2016 to 12/09/2016, 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.

RANDY S. S. S. S. Commissions 12603A INC, FL445
Inspector's Signature National Board, State, Province and Endorsements

Date 12/09/2016

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
Name

40 Inverness Ctr Pkwy, Birmingham, Al. 35242
Address

2. Plant Joseph M. Farley Nuclear Plant (FNP)
Name

7388 N. State Hwy 95, Columbia, Al. 36319
Address

3. Work Performed By
FNP Maintenance Department
Name

7388 N. State Hwy 95, Columbia, Al. 36319
Address

Date: _____

Sheet 1 of 2

Unit FNP Unit 1

WO# SNC61577

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

Type Code Symbol Stamp N/A

Authorization No. N/A

Expiration Date N/A

4. Identification of System N11, Q1N11V0010A, Main Steam, Class 2

5. (a) Applicable Construction Code 1971 Edition, Winter 1971 Addenda, 1574 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)
Spindle	Dresser	G/C/ AAC24	N/A	FNP-316	1974	Removed	
Disc	Dresser	G/E/ AAC90	N/A	FNP-316	1974	Removed	
Compression Screw	Dresser	G/G/ AAC28	N/A	FNP-316	1974	Removed	
1-3/8" Stud (12)	Unk	Unk	N/A	Unk	Unk	Removed	No
1-3/8" Nut (24)	Unk	Unk	N/A	Unk	Unk	Removed	No
Spindle	Dresser	AKS76	N/A	SNA10112372	2016	Installed	
Disc	Dresser	AJA50	N/A	SNA10112372	2016	Installed	
Compression Screw	Dresser	AKS47	N/A	SNA10112372	2016	Installed	
1-3/8" Stud (9)	Nova	3047857	N/A	SNA36051-0081	2014	Installed	No
1-3/8" Stud (3)	Vulcan	907488	N/A	SNA10134276	2009	Installed	No
1-3/8" Nut	Mid-South Nuclear	78AH/1MS7610	N/A	SNA31607-0083	2011	Installed	No

7. Description of Work Replaced Q1N11V0010A with valve S/N BU-06110. The replacement valve was refurbished per ED SNC328243 to install the extended wear modification. Inlet flange bolting was replaced.

8. Test Conducted:

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

FORM NIS-2 (Back)

9. Remarks WO#SNC61577

Applicable Manufacturer's Data Reports to be attached

Data reports are attached. A VT-2 examination was performed.

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. J. D. [Signature] Date 11/12/16
Owner or Owner's Designee, Title MSM

CERTIFICATE OF 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 Florida and employed by The Hartford Steam Boiler Inspection and Insurance Company of Connecticut have inspected the components described in this Owner's Report during the period 10/10/2016 to 12/09/2016, 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 Scott [Signature] Commissions 12603 AWC, FL445
Inspector's Signature National Board, State, Province and Endorsements

Date 12/09/2016

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
Name
40 Inverness Cir Pkwy, Birmingham, Al. 35242
Address

Date: 11/1/2016
Sheet 1 of 2
Unit FNP Unit 1

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

WO# SNC61758
Repair/Replacement Organization P.O. No., Job No., etc.

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

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

4. Identification of System E21, Q1E21V0260, CVCS System, Class 2

5. (a) Applicable Construction Code 1968 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)
2 x 3 Relief Valve	Crosby	N57603-00-001	N/A	FNP-2	Unk	Removed	Yes
2 x 3 Relief Valve	Crosby	N57603-00-0005	N/A	SNA22553-0597	2016	Installed	Yes

7. Description of Work Replaced relief valve.

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

FORM NIS-2 (Back)

9. Remarks WO# SNC61758

Applicable Manufacturer's Data Reports to be attached

Data package is attached. A VT-2 was performed.

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

Signed Robert Williams MSM Date 11/1/16
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 Florida and employed by The Hartford Steam Boiler Inspection and Insurance Company of Connecticut have inspected the components described in this Owner's Report during the period 10/24/2016 to 11/14/2016, 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.

Robbie S. Smith
Inspector's Signature

Commissions 12603A, NC, FL, TS
National Board, State, Province and Endorsements

Date 11/14/2016

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
Name

40 Inverness Cir Pkwy, Birmingham, Al. 35242
Address

2. Plant Joseph M. Farley Nuclear Plant (FNP)
Name

7388 N. State Hwy 95, Columbia, Al. 36319
Address

3. Work Performed By
FNP Maintenance Department
Name

7388 N. State Hwy 95, Columbia, Al. 36319
Address

Date: 10/27/2016

Sheet 1 of 2

Unit FNP Unit 1

WO# SNC392374

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

Type Code Symbol Stamp N/A

Authorization No. N/A

Expiration Date N/A

4. Identification of System P16, Q1P16V0011D, Service Water System, Class 3

5. (a) Applicable Construction Code 1974 Edition, Summer 1975 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)
1-1/2 X 2" Relief Valve	Anderson Greenwood Crosby	N99904-00-0007	N/A	QP090757	2010	Removed	Yes
1-1/2 X 2" Relief Valve	Anderson Greenwood Crosby	N99904-00-0031	N/A	SNA10133688	2016	Installed	Yes

7. Description of Work Replace relief valve

8. Test Conducted:

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

FORM NIS-2 (Back)

9. Remarks WO# SNC392374

Applicable Manufacturer's Data Reports to be attached

Data reports attached. A VT-2 examination was performed.

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/ACertificate of Authorization No. N/A Expiration Date N/ASigned Aimee Gray Date 10/27/16
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 Florida and employed by The Hartford Steam Boiler Inspection and Insurance Company of Connecticut have inspected the components described in this Owner's Report during the period 08/12/2016 to 11/11/2016, 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.

DONALD SEAN R. R. R.
Inspector's Signature

Commissions 12603A, NC, F445
National Board, State, Province and Endorsements

Date 11/11/2016

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
Name
40 Inverness Ctr Pkwy, Birmingham, Al. 35242
Address

Date: 10/27/2016

Sheet 1 of 2

Unit FNP Unit 1

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

WO# SNC392375
Repair/Replacement Organization P.O. No., Job No., etc.

Type Code Symbol Stamp N/A

Authorization No. N/A

Expiration Date N/A

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

4. Identification of System P16, Q1P16V0011C, Service Water System, Class 3

5. (a) Applicable Construction Code 1974 Edition, Summer 1975 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)
1-1/2 X 2" Relief Valve	Anderson Greenwood Crosby	N99904-00-0009	N/A	QP090757	2010	Removed	Yes
1-1/2 X 2" Relief Valve	Anderson Greenwood Crosby	N99904-00-0036	N/A	SNA10133688	2016	Installed	Yes

7. Description of Work Replace relief valve

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

FORM NIS-2 (Back)

9. Remarks WO# SNC392375

Applicable Manufacturer's Data Reports to be attached

Data reports attached. A VT-2 examination was performed.

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.

Type Code Symbol Stamp _____ N/A

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

Signed Alice Gray Matthew Date 10/27/16
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 Florida and employed by The Hartford Steam Boiler Inspection and Insurance Company of Connecticut have inspected the components described in this Owner's Report during the period 08/12/2016 to 12/07/2016, 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.

ROONEY SENN Rooney Senn Commissions 12603A, INC, FL45
Inspector's Signature National Board, State, Province and Endorsements

Date 12/07/2016

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
Name
40 Inverness Ctr Pkwy, Birmingham, AL 35242
Address

Date: 10/13/2016

Sheet 1 of 2

Unit FNP Unit 1

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

WO# SNC422185
Repair/Replacement Organization P.O. No., Job No., etc.

Type Code Symbol Stamp N/A

Authorization No. N/A

3. Work Performed By
FNP Maintenance Department
Name
7388 N. State Hwy 95, Columbia, AL 36319
Address

Expiration Date N/A

4. Identification of System R43, Diesel Generator System, Q1R43H0503, Class 3

5. (a) Applicable Construction Code 1971 Edition, No 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)
Endbell	American Standard	6-62004-03-2	24163	FNP-231	1973	Removed	No
Endbell	Energy Steel	NPT37383-1	N/A	QP101151	2012	Installed	Yes

7. Description of Work Replaced floating side endbell on jacket water heat exchanger

8. Test Conducted:

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

FORM NIS-2 (Back)

9. Remarks WO# SNC422185

Applicable Manufacturer's Data Reports to be attached

Transaction# 13330607 for replacement endbell. VT-2 Examination performed.

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.

Type Code Symbol Stamp N/A

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

Signed R. Williams MSM Date 10-26-16
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 Florida and employed by The Hartford Steam Boiler Inspection and Insurance Company of Connecticut have inspected the components described in this Owner's Report during the period 01/27/2016 to 11/16/2016, 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 Serna Commissions 12603A1NC, FL445
Inspector's Signature National Board, State, Province and Endorsements

Date 11/16/2016

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
Name
40 Inverness Ctr Pkwy, Birmingham, Al. 35242
Address

Date: 10/20/2016
Sheet 1 of 2
Unit FNP Unit 1

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

WO# SNC456952
Repair/Replacement Organization P.O. No., Job No., etc.

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

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

4. Identification of System P17, Q1P17V0126B, Component Cooling Water System, Class 3

5. (a) Applicable Construction Code 1974 Edition, Summer 1975 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)
1-1/2 X 2" Relief Valve	Anderson Greenwood Crosby	N99846-00-0010	N/A	QP090757	2010	Removed	Yes
1-1/2 X 2" Relief Valve	Anderson Greenwood Crosby	N99846-00-020	N/A	SNA10132887	2016	Installed	Yes

7. Description of Work Replace relief valve

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

FORM NIS-2 (Back)

9. Remarks WO# 5NC456952

Applicable Manufacturer's Data Reports to be attached

Data reports attached. A VT-2 examination was performed.

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

Ronald W. Williams, MSM

Date

10/26/15

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 Florida and employed by The Hartford Steam Boiler Inspection and Insurance Company of Connecticut

have inspected the components described in this Owner's Report during the period 08/12/2016 to 11/10/2016, 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 Sena
Inspector's Signature

Commissions

12603A INC, FL445

National Board, State, Province and Endorsements

Date

11/10/2016

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
Name
40 Inverness Ctr Pkwy, Birmingham, Al. 35242
Address

Date: 2/2/2016

Sheet 1 of 2

Unit FNP Unit 1

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

WO# SNC465298

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

Type Code Symbol Stamp N/A

Authorization No. N/A

Expiration Date N/A

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

4. Identification of System B13, Reactor Coolant System, Q1B13V031B, Class 1

5. (a) Applicable Construction Code 1971 Edition, Winter 1972 Addenda, 1501, 1649 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)
6 x 6 Relief Valve	Crosby	N56963-01-0013	N/A	SNA10005863	1993	Removed	Yes
6 x 6 Relief Valve	Crosby	N56963-01-0014	N/A	SNA10069159	1993	Installed	Yes

7. Description of Work Replaced valve. Removed valve was leaking past the disc.

8. Test Conducted:

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

FORM NIS-2 (Back)

9. Remarks WON SNC465298 - VT-2 examination performed.

Applicable Manufacturer's Data Reports to be attached

Replacement valve was issued per Transaction# 12203944.

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 Ronald Williams MSM Date 2-3-16
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 Florida and employed by The Hartford Steam Boiler Inspection and Insurance Company of Hartford, Connecticut have inspected the components described in this Owner's Report during the period 05/27/2015 to 10/08/2016, 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 Sehn Commissions 12603A INC, FL445
Inspector's Signature National Board, State, Province and Endorsements

Date 10/08/2016

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
Name

40 Inverness Ctr Pkwy, Birmingham, AL 35242
Address

2. Plant Joseph M. Farley Nuclear Plant (FNP)
Name

7388 N. State Hwy 95, Columbia, AL 36319
Address

3. Work Performed By
FNP Maintenance Department
Name

7388 N. State Hwy 95, Columbia, AL 36319
Address

Date: 11/2/16

Sheet 1 of 2

Unit FNP Unit 1

WO# SNC476822

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

Type Code Symbol Stamp N/A

Authorization No. N/A

Expiration Date N/A

4. Identification of System N11, Q1N11V001A, Main Steam System, Class 2

5. (a) Applicable Construction Code 1971 Edition, Summer 1973 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	Atwood & Morrill	2-340	N/A	FNP 191	1973	Removed	Yes
Disc	Weir	FNP 19	N/A	QP050618	2008	Installed	Yes

7. Description of Work Replaced Disc.

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

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
Name
40 Inverness Ctr Pkwy, Birmingham, Al. 35242
Address

Date: 11/2/2016
Sheet 1 of 2
Unit FNP Unit 1

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

WO# SNC476823
Repair/Replacement Organization P.O. No., Job No., etc.

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

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

4. Identification of System N11, Q1N11V001C, Main Steam System, Class 2

5. (a) Applicable Construction Code 1968 Edition, March 1970 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	Atwood & Morrill	1-340	N/A	FNP 191	1973	Removed	Yes
Bearing Cover	Atwood & Morrill	4-340	N/A	FNP 191	1973	Removed	No
Disc	Weir	FNP 17	N/A	QP050618	2008	Installed	Yes
Bearing Cover	Weir	KC2142	N/A	SNA10141051	2016	Installed	No

7. Description of Work Replaced disc assembly and bearing cover.
ED C052223201

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

FORM NIS-2 (Back)

9. Remarks WO# SNC476823

Applicable Manufacturer's Data Reports to be attached

Certificates of Conformance and Certified Material Test Reports are attached. A VT-2 examination was performed.

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 RAHOBILL Rachel Williams MSM Date 11/12/16
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 Florida and employed by The Hartford Steam Boiler Inspection and Insurance Company of Connecticut have inspected the components described in this Owner's Report during the period 10/11/16 to 12/07/2016, 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 SEHN Rodney Sehn Commissions 12603 AINC, F2445
Inspector's Signature National Board, State, Province and Endorsements

Date 12/07/2016

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 07/20/2015
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
3. Work Performed by FNP Maintenance Department Type Code Symbol N/A
(WILLIAMS) Stamp
Name Authorization N/A
7388 N. State Hwy. 95, Columbia, AL 36319 No.
Expiration Date N/A
Address
4. Identification of System Q1P11, CONDENSATE STORAGE TANK,(CST) , CLASS 3
5. (a) Applicable Construction Code 1971 Edition, 1971 SUMMER 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)
3/4" NUTS (16EA)	TFI	N/A	N/A	SNA31710-0020 HT# 10098130	2013	INSTALLED	NO
3/4" STUD (8EA)	VULCAN	N/A	N/A	QP101118 HT# 10070860	2010	INSTALLED	NO
5/8" STUDS (8EA)	VULCAN	N/A	N/A	QP100749 HT# 623932	2010 2007 PAC 12/10/15	INSTALLED	NO
5/8" NUTS (16EA)	VULCAN	N/A	N/A	QP100749 HT# 422830	2010	INSTALLED	NO
4" BLIND FLANGE (2EA)	WESTERN FLANGE AND FORGE CO.	N/A	N/A	SNA33232-0488 HT# 8970831	2009	INSTALLED	NO
4" PIPE	TIOGA PIPE SUPPLY CO.	N/A	N/A	SNA10021319 HT# 93244	2011	INSTALLED	NO
4" FLANGE	WESTERN FLANGE AND FORGE CO.	N/A	N/A	SNA33232-0488 HT# 237366	2012	INSTALLED	NO
6"X4" REDUCER	WESTERN FLANGE AND FORGE CO.	N/A	N/A	SNA33232-0488 HT# 227W552	2015	INSTALLED	NO

7. Description of Work COMPONENTS INSTALLED PER DCP467140 AND WO# 510835

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

9. Remarks COMPONENTS INSTALLED per DCP 467140 AND WO# 510835, SAM FLEX PROJECT
Applicable Manufacturer's Data Reports to be attached

VT2 EXAMINATION PERFORMED

CERTIFICATE OF COMPLIANCE

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

Ronald D. Williams MSM
Owner or Owner's Designee, Title

Date 12-11-15

CERTIFICATE OF 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 Florida and employed by HSB Global Standards of Hartford, CT

have inspected the components described in this Owner's Report during the period 06/30/2015 to 02/02/2016, 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 X.

By 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 SENA
Inspector's Signature

Commissions 12603A1NC, FL445
National Board, State, Province and Endorsements

Date 02/02/2016

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 07/20/2015
Name
40 Inverness Ctr Pkwy, Birmingham, AL, 35242 Sheet 1 of 3
Address
2. Plant Joseph M. Farley Nuclear Plant (FNP) Unit FNP UNIT 1
Name
7388 N. State Hwy 95, Columbia, AL 36319 DCP SNC 467140, WO# SNC510836
Address Repair/Replacement Organization P.O. No., Job No., etc.
3. Work Performed by FNP Maintenance Department Type Code Symbol N/A
(WILLIAMS) Stamp
Name Authorization N/A
7388 N. State Hwy. 95, Columbia, AL. 36319 No.
Expiration Date N/A
Address
4. Identification of System Q1P12, REACTOR MAKEUP WATER SYSTEM, , CLASS 3
5. (a) Applicable Construction Code 1971 Edition, 1971 SUMMER 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" TEE	TAYLOR FORGE	N/A	N/A	QP51610901 HT# LEJJ	1990	INSTALLED	NO
4" VALVE (2EA)	BNL	SN# A140107-2- (1 THRU 2)	N/A	SNA10072635	2014	INSTALLED	YES
4" 90 DEG. ELBOW (2EA)	ALLOY PIPING PRODUCTS	N/A	N/A	SNA31372-0365 HT# S2896	2015	INSTALLED	NO
4" FLANGE (2EA)	WESTERN FLANGE AND FORGE CO.	N/A	N/A	<u>SNA33232-0488</u> <u>HT# E111304</u>	2011	INSTALLED	NO
4" BLIND FLANGE (2EA)	WESTERN FLANGE AND FORGE CO.	N/A	N/A	SNA33232-0488 HT# 248300	2013	INSTALLED	NO
4" PIPE	SANDVIK	N/A	N/A	SNA31372-0369 HT# 531998	2014	INSTALLED	NO
3/4" NUTS (16EA)	TFI	N/A	N/A	SNA31710-0020 HT# 10098130	2013	INSTALLED	NO
6"X4" REDUCER	WILH SCHULZ GMBH	N/A	N/A	SNA31372-0365 HT# H34497	1991	INSTALLED	NO

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)
3/4" STUD (8EA)	T&T	N/A	N/A	QP080190 HT# 460030	2008	INSTALLED	NO
6" FLANGE	WESTERN FORGE & FLANGE CO.	N/A	N/A	SNA31372-0365 HT# 263496	2015	INSTALLED	NO
5/8" STUDS (16EA)	VULCAN	N/A	N/A	QP100749 HT# 623932	2010	INSTALLED	NO
5/8" NUTS (32EA)	VULCAN	N/A	N/A	QP100749 HT# 422830	2010	INSTALLED	NO
KIT ADAPTER BOLTING (2 STUDS, WITH NUTS 4EA)	BNL	SN# A150216-1-1	N/A	SNA10100347	2015	INSTALLED	NO

7. Description of Work NEW VALVES AND COMPONENTS INSTALLED PER DCP467140 AND WO# 510836

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

9. Remarks NEW VALVES AND COMPONENTS INSTALLED per DCP 467140 AND WO# 510836, SAM FLEX PROJECT

Applicable Manufacturer's Data Reports to be attached

VT2 EXAMINATION PERFORMED

CERTIFICATE OF COMPLIANCE

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

Ronald Williams MSM

Date 12-11-15

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 Florida and employed by HSB Global Standards of Hartford, CT have inspected the components described in this Owner's Report during the period 01/30/2015 to 01/14/2016, 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 SERRA
Inspector's Signature

Commissions

12603 AINC, FL 445
National Board, State, Province and Endorsements

Date 01/14/2016

SNL510836
PAGE 3 of 3 Dec 14/16

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
Name
40 Inverness Cir Pkwy, Birmingham, AL 35242
Address

Date: 12/7/2016

Sheet 1 of 2

Unit FNP Unit 1

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

WO# SNC590620

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

Type Code Symbol Stamp N/A

Authorization No. N/A

Expiration Date N/A

3. Work Performed By
FNP Maintenance Department
Name
7388 N. State Hwy 95, Columbia, AL 36319
Address

4. Identification of System P16, Service Water System, Q1P16F501A, Class 3

5. (a) Applicable Construction Code 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)
1 1/2" Studs & Nuts	S.P. Kinney Engineers	Unk	N/A	FNP-309	1974	Removed	No
42" Strainer Cover	S.P. Kinney Engineers	5291	N/A	FNP-309	1974	Removed	Yes
1 1/2" Studs	Nova	3007988	N/A	QP100718	2010	Installed	No
1 1/2" Nuts	Nova	501986	N/A	QP100718	2010	Installed	No
42" Strainer Cover	Curtis Wright	66270	N/A	SNA10082650	2015	Installed	No

7. Description of Work Replaced strainer cover, nut and studs.

8. Test Conducted:

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

FORM NIS-2 (Back)

9. Remarks WO# SNC530620

Applicable Manufacturer's Data Reports to be attached

Replaced strainer cover and associated hardware. Data reports are attached and a VT-2 was performed.

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

Ronald W. Williams

Date

12-8-16

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 Florida and employed by The Hartford Steam Boiler Inspection and Insurance Company of Connecticut

have inspected the components described in this Owner's Report during the period 06/17/2015 to 12/12/2016 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 S. N. [Signature]
Inspector's Signature

Commissions

12603A1PC, FL 445
National Board, State, Province and Endorsements

Date 12/12/2016

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
Name
40 Inverness Ctr Pkwy, Birmingham, Al. 35242
Address

Date: 12/1/2015
Sheet 1 of 2
Unit FNP Unit 1

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

WO# SNC625474
Repair/Replacement Organization P.O. No., Job No., etc.
Type Code Symbol Stamp N/A
Authorization No. N/A
Expiration Date N/A

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

4. Identification of System P16, Service Water System, Q1P16V0071, Class 2

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)
6" Butterfly Valve	Enertech	10357	N/A	QP950247	1995	Removed	Yes
6" Pipe	Consolidated Power Supply	X04284	N/A	QP970279	1997	Removed	No
6" Butterfly Valve	Enertech	12657	N/A	SNA10096996	2015	Installed	Yes
6" Pipe	U.S. Steel	C65182	N/A	SNA33232-0322	2013	Installed	No

7. Description of Work Replaced valve Q1P16V0071 and a portion of 6" Grinnell pipe spool JF-1-688 (dwg D514306 and WO11286) per WO# SNC625474.

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

FORM NIS-2 (Back)

9. Remarks WO# SNC625474

Applicable Manufacturer's Data Reports to be attached

Valve is Sect. III Class 2. Pipe is Sect. III Class 3. VT-2 examination performed.

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 Ronald W. Williams RWD MSM Date 2-3-16
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 Florida and employed by The Hartford Steam Boiler Inspection and Insurance Company of Hartford, Connecticut have inspected the components described in this Owner's Report during the period 04/18/2015 to 02/04/2016, 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 Smith Rodney Smith
Inspector's Signature

Commissions 12603A INC, FL445
National Board, State, Province and Endorsements

Date 02/04/2016

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
Name
40 Inverness Ctr Pkwy, Birmingham, Al. 35242
Address

Date: 12/5/2016

Sheet 1 of 2

Unit FNP Unit 1

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

WO# SNC652502
Repair/Replacement Organization P.O. No., Job No., etc.

Type Code Symbol Stamp N/A

Authorization No. N/A

Expiration Date N/A

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

4. Identification of System E21, HHSVCVCS System, Q1E21FCV122, Class 2

5. (a) Applicable Construction Code 1968 Edition, Winter 1970 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)
Valve Plug	Copes-Vulcan	53-1	N/A	FNP2-437	Unk	Removed	No
Seat Ring	Copes-Vulcan	53-1	N/A	FNP2-437	Unk	Removed	No
Valve Plug	Copes-Vulcan	U1339-G70	N/A	QP090406	2009	Installed	No
Seat Ring	Copes-Vulcan	E5CW	N/A	QP090406	2009	Installed	No

7. Description of Work Replaced Trim set (plug and seat ring).

8. Test Conducted:

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

FORM NIS-2 (Back)

9. Remarks WONSNC652502

Applicable Manufacturer's Data Reports to be attached

Replaced valve plug and seat ring. Data reports are attached. VT-2 examination was not required in accordance with IWA-4540(b)(10).

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 Ronald W. Williams Date 12-6-16
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 Florida and employed by The Hartford Steam Boiler Inspection and Insurance Company of Connecticut

have inspected the components described in this Owner's Report during the period 09/27/2016 to 12/09/2016, 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 S. Smith
Inspector's Signature

Commissions

12603A, NC, FC445
National Board, State, Province and Endorsements

Date 12/09/2016

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
Name
40 Inverness Ctr Pkwy, Birmingham, Al. 35242
Address

Date: 10/29/2016
Sheet 1 of 2
Unit FNP Unit 1

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

WO# SNC654797
Repair/Replacement Organization P.O. No., Job No., etc.

3. Work Performed By
Day Zimmerman
Name
7388 N. State Hwy 95, Columbia, Al. 36319
Address

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

4. Identification of System P16, Q1P16V713, Service Water System, Class 3

5. (a) Applicable Construction Code 1971 Edition, 1971 Winter 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)
1-1/2" Valve	Kerotest	UNK	N/A	FNP295	1974	Removed	Yes
1-1/2" Pipe	UNK	UNK	N/A	UNK	UNK	Removed	No
1-1/2" Valve	Kerotest	DAS-6	N/A	FNP295	1974	Installed	Yes
1-1/2" Valve Bonnet	Kerotest	DAS-6	N/A	FNP295	1974	Removed	Yes
1-1/2" Valve Bonnet	Kerotest	DX10-15	N/A	FNP295	1974	Installed	Yes
1-1/2" Pipe	Pexco	530351	N/A	SNA31372-0229	2014	Installed	No

7. Description of Work Replaced valve and piping. During disassembly of valve S/N DAS-6, the bonnet threads were damaged. The bonnet was replaced with the bonnet from another valve S/N DX10-15.

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

FORM NIS-2 (Back)

9. Remarks WO# SNC654797

Applicable Manufacturer's Data Reports to be attached

Data reports are attached. A VT-2 examination was performed.

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 Ronald H. Williams MSW Date 11/12/16
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 Florida and employed by The Hartford Steam Boiler Inspection and Insurance Company of Connecticut have inspected the components described in this Owner's Report during the period 09/26/2016 to 12/05/2016, 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.

Ronald H. Williams Commissions 12603A1NC, FL445
Inspector's Signature National Board, State, Province and Endorsements

Date 12/05/2016

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 07/22/15
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
DCP SNC 467140, WO#: SNC 658789
 Repair/Replacement Organization P.O. No., Job No., etc.
 3. Work Performed by FNP Maintenance Department Type Code Symbol N/A
(Williams) Stamp
Name Authorization N/A
7388 N. State Hwy. 95, Columbia, AL 36319 No.
 Expiration N/A
Address Date
4. Identification of System Q1P11, U1 CONDENSATE STORAGE TANK, SCS-H763, CLASS 3
5. (a) Applicable Construction Code AISC 1969 Edition, N/A 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)
1/2" ANGLE 4 X 4 X 1/2" ANGLE	STEEL DYNAMICS	N/A	N/A	SNA31372-0359 HT# JK1600	2014	INSTALLED	NO
Pub 1/11/16							

7. Description of Work NEW SUPPORT INSTALLED PER WO SNC658789, DCP SNC467140, SS110902

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

FORM NIS-2 (Back)

9. Remarks SUPPORT # SCS-H763, 4"-HBC-217, SAM FLEX PROJECT WOF# SNG058789 ^{pub}_{1/1/16}
Applicable Manufacturer's Data Reports to be attached

VT3 EXAMINATION PERFORMED

CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and that this NEW 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 Ronald Williams MSM Date 12-11-15
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 Florida and employed by HSB Global Standards of Hartford, CT have inspected the components described in this Owner's Report during the period 06/30/2015 to 01/13/2016 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 SENN Rodney Senn Commissions 12603A INC, FL 45
Inspector's Signature National Board, State, Province and Endorsements
Date 01/14/2016

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 07/22/2015
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
DCP SNC 467140, WO#: SNC 658790
Repair/Replacement Organization P.O. No., Job No., etc.
 3. Work Performed by FNP Maintenance Department Type Code Symbol N/A
(Williams) Stamp
Name Authorization N/A
7388 N. State Hwy. 95, Columbia, AL. 36319 No.
Address Expiration N/A
Date
 4. Identification of System Q1P12 U1 REACTOR MAKEUP WATER STORAGE TANK, SCS-H764,
CLASS 3
 5. (a) Applicable Construction Code AISC 1969 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)
4X4X1/2" ANGLE	STEEL DYNAMICS	N/A	N/A	SNA31372-0359 HT# JK1600	2014	INSTALLED	NO
4" PIPE STRAP	DUBOSE STEEL	N/A	N/A	SNA10107523 HT# 63136150	2014	INSTALLED	NO

7. Description of Work NEW SUPPORT INSTALLED PER WO SNC658790, DCP SNC467140, SS110902

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

FORM NIS-2 (Back)

9. Remarks SUPPORT # SCS-H764, 4"-HCC-242, SAM FLEX PROJECT SN 658790 12-14-16
 Applicable Manufacturer's Data Reports to be attached
VT3 EXAMINATION PERFORMED

CERTIFICATE OF COMPLIANCE			
We certify that the statements made in the report are correct and that this <u>NEW</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>Ronald D. Williams</u> Owner or Owner's Designee, Title	Date	<u>12-11-15</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>Florida</u> and employed by <u>HSB Global Standards</u> of <u>Hartford, CT</u>	
have inspected the components described in this Owner's Report during the period <u>06/30/2015</u> to <u>01/14/2016</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>RODNEY SCOTT</u> Inspector's Signature	Commissions <u>12603 AINC, FL445</u> National Board, State, Province and Endorsements
Date <u>01/14/2016</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 Company
Name

40 Inverness Ctr Pkwy, Birmingham, Al. 35242
Address

2. Plant Joseph M. Farley Nuclear Plant (FNP)
Name

7388 N. State Hwy 95, Columbia, Al. 36319
Address

3. Work Performed By
FNP Maintenance Department
Name

7388 N. State Hwy 95, Columbia, Al. 36319
Address

Date: 11/10/2016

Sheet 1 of 2

Unit FNP Unit 1

WO# SNG677340

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

Type Code Symbol Stamp N/A

Authorization No. N/A

Expiration Date N/A

4. Identification of System N11, Q1N11V004A, Main Steam System, Class 2

5. (a) Applicable Construction Code 1989 Edition, No 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)
Valve Bonnet	Velan	2726	N/A	FNP-190	1972	Removed	Yes
5/8" Stud (8)	Unk	Unk	N/A	Unk	Unk	Removed	No
5/8" Nut (8)	Unk	Unk	N/A	Unk	Unk	Removed	No
Valve Bonnet	Velan	20100	N/A	SNA10112965	2016	Installed	Yes
5/8" Stud (8)	Nova	4105	N/A	QP100585	2010	Installed	No
5/8" Nut (8)	Dubose	10109320	N/A	SNA31710-0375	2016	Installed	No

7. Description of Work Replaced valve bonnet and body to bonnet bolting. Replacement bonnet approved by ED C090211801.

8. Test Conducted:

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

FORM NIS-2 (Back)

9. Remarks WON SNC677340

Applicable Manufacturer's Data Reports to be attached

Data Reports are attached. A VT-2 examination was performed.

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. Williams Ronald H. Williams MSN Date 11/12/16
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 Florida and employed by The Hartford Steam Boiler Inspection and Insurance Company of Connecticut have inspected the components described in this Owner's Report during the period 10/13/2016 to 12/09/2016, 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.

Ronley S. Smith
Inspector's Signature

Commissions 12603A1NC, F445
National Board, State, Province and Endorsements

Date 12/09/2016

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
Name
40 Inverness Ctr Pkwy, Birmingham, AL 35242
Address

Date: 9/26/2016
Sheet 1 of 2
Unit FNP Unit 1

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

WO# SNC677406
Repair/Replacement Organization P.O. No., Job No., etc.

3. Work Performed By
FNP Maintenance Department
Name
7388 N. State Hwy 95, Columbia, AL 36319
Address

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

4. Identification of System P17, Q1P17V0006B, CCW System, Class 3

5. (a) Applicable Construction Code 1974 Edition, Summer 1975 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)
1-1/2 X 2" Relief Valve	Anderson Greenwood Crosby	N99846-00-0001	N/A	QP040739	2005	Removed	Yes
1-1/2 X 2" Relief Valve	Anderson Greenwood Crosby	N99846-00-0007	N/A	QP090349	2009	Installed	Yes

7. Description of Work Replaced relief valve due to excessive leak-by

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

FORM NIS-2 (Back)

9. Remarks WD# SNC677406

Applicable Manufacturer's Data Reports to be attached

Data reports attached. A VT-2 examination was performed.

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 RODNEY SENA Date 9/28/16
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 Florida and employed by The Hartford Steam Boiler Inspection and Insurance Company of Connecticut have inspected the components described in this Owner's Report during the period 06/21/2016 to 09/29/2016, 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 SENA Commissions 12603A INC, FL445
Inspector's Signature National Board, State, Province and Endorsements

Date 09/29/2016

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
Name

40 Inverness Ctr Pkwy, Birmingham, Al. 35242
Address

2. Plant Joseph M. Farley Nuclear Plant (FNP)
Name

7388 N. State Hwy 95, Columbia, Al. 36319
Address

3. Work Performed By
FNP Maintenance Department
Name

7388 N. State Hwy 95, Columbia, Al. 36319
Address

Date: 10/27/2016

Sheet 1 of 2

Unit FNP Unit 1

WO# SNC678843

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

Type Code Symbol Stamp N/A

Authorization No. N/A

Expiration Date N/A

4. Identification of System N12, Q1N12HV3226, Auxilliary Feedwater System, Class 3

5. (a) Applicable Construction Code 1986 Edition, No 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)
Valve Plug	Hammel-Dahl	120452	N/A	FNP-269	1976	Removed	No
Valve Plug	Pentair	N99576-45-0015	N/A	SNA10141593	2015	Installed	No

7. Description of Work Replaced valve plug.

8. Test Conducted:

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

FORM NIS-2 (Back)

9. Remarks Revised 11/16
WOH SNC SNC678843

Applicable Manufacturer's Data Reports to be attached

N-2 data form is attached. VT-2 examination was not required in accordance with IWA-4540(b)(10).

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 Aimee Craig Kimmitt MNT MGR Date 10/27/16
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 Florida and employed by The Hartford Steam Boiler Inspection and Insurance Company of Connecticut

have inspected the components described in this Owner's Report during the period 10/10/2016 to 11/1/2016, 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 SANTI
Inspector's Signature

Commissions 12603A INC FL 45
National Board, State, Province and Endorsements

Date 11/1/2016

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
Name
40 Inverness Ctr Pkwy, Birmingham, Al. 35242
Address

Date: 10/26/2016

Sheet 1 of 2

Unit FNP Unit 1

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

WO# SNC711334
Repair/Replacement Organization P.O. No., Job No., etc.

Type Code Symbol Stamp N/A

Authorization No. N/A

Expiration Date N/A

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

4. Identification of System T53, Q1T53PENE87, Equipment, Aux. & Personnel Hatches, Class MC

5. (a) Applicable Construction Code 1974 Edition, 1976 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	Jamesbury	Unk	N/A	Unk	Unk	Removed	No
2" Ball Valve	Jamesbury	NC11243-01D	N/A	PO# QP0846	1981	Installed	Yes

7. Description of Work Replace equalizing valve on Personnel Airlock Q1T53PENE87

8. Test Conducted:

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

FORM NIS-2 (Back)

9. Remarks WO# SNC711334

Applicable Manufacturer's Data Reports to be attached

Replaced existing equalizing valve with a new equalizing valve authorized by Production Change Notice (PCN) S86-1-3875.

An LLRT was performed per FNP-1-STP-607.2.

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. Williams Ronald Williams MSM Date 10-26-16
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 Florida and employed by The Hartford Steam Boiler Inspection and Insurance Company of Connecticut have inspected the components described in this Owner's Report during the period 10/06/2016 to 11/15/2016, 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 Scott Rodney Scott Commissions 12603 AINC, FL445
Inspector's Signature National Board, State, Province and Endorsements

Date 11/15/2016

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
Name

40 Inverness Ctr Pkwy, Birmingham, Al. 35242
Address

2. Plant Joseph M. Farley Nuclear Plant (FNP)
Name

7388 N. State Hwy 95, Columbia, Al. 36319
Address

3. Work Performed By
FNP Maintenance Department
Name

7388 N. State Hwy 95, Columbia, Al. 36319
Address

Date: 10/15/2016

Sheet 1 of 2

Unit FNP Unit 1

WO# SNC719324

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

Type Code Symbol Stamp N/A

Authorization No. N/A

Expiration Date N/A

4. Identification of System B13, Q1B13SNUBBRCR, Reactor Coolant Sys, Class 1

5. (a) Applicable Construction Code AISC Edition, 1969 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	13862	N/A	Unk	Unk	Removed	No
Hydraulic Snubber	Anvil	40061	N/A	SNA10127444	2016	Installed	No

7. Description of Work Replaced Snubber.

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

FORM NIS-2 (Back)

9. Remarks WO# SNC719324

Applicable Manufacturer's Data Reports to be attached

Replacement snubber authorized by ED C092533401. A VT-3 examination was performed on the installed snubber.

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 Harold H. Hines, Jr. MAINTENANCE MGR Date 10/17/16
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 Florida and employed by The Hartford Steam Boiler Inspection and Insurance Company of Connecticut have inspected the components described in this Owner's Report during the period 10/08/2016 to 11/15/2016, 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 Seal Rodney Seal
Inspector's Signature

Commissions 12603A, NC, FL445
National Board, State, Province and Endorsements

Date 11/15/2016

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
Name

40 Inverness Ctr Pkwy, Birmingham, Al. 35242
Address

2. Plant Joseph M. Farley Nuclear Plant (FNP)
Name

7388 N. State Hwy 95, Columbia, Al. 36319
Address

3. Work Performed By
FNP Maintenance Department
Name

7388 N. State Hwy 95, Columbia, Al. 36319
Address

Date: 10/14/2016

Sheet 1 of 2

Unit FNP Unit 1

WON SNC719347

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

Type Code Symbol Stamp N/A

Authorization No. N/A

Expiration Date N/A

4. Identification of System E11, Q1E11SNUBBHRR108, RHR/LHSI System, Class 1

5. (a) Applicable Construction Code AISC Edition, 1969 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	20829	N/A	FNP222	Unk	Removed	No
Hydraulic Snubber	Anvil	39952	N/A	SNA10108440	2016	Installed	No

7. Description of Work Replaced existing ITT Grinnell snubber with a new Anvil snubber.

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

FORM NIS-2 (Back)

9. Remarks SNC719347

Applicable Manufacturer's Data Reports to be attached

Replacement snubber authorized by ED C092533401. A VT-3 examination was performed on the installed snubber.

The removed snubber will not be re-installed in the plant.

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 Aimee Gray, NIST SUPERVISOR Date 10/17/16
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 Florida and employed by The Hartford Steam Boiler Inspection and Insurance Company of Connecticut have inspected the components described in this Owner's Report during the period 09/30/2016 to 10/20/2016, 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 Sehn Commissions 12603 AINC, FL445
Inspector's Signature National Board, State, Province and Endorsements

Date 10/20/2016

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
Name
40 Inverness Ctr Pkwy, Birmingham, AL 35242
Address

Date: 10/14/2016

Sheet 1 of 2

Unit FNP Unit 1

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

WO# SNC719349
Repair/Replacement Organization P.O. No., Job No., etc.

Type Code Symbol Stamp N/A

Authorization No. N/A

3. Work Performed By
FNP Maintenance Department
Name
7388 N. State Hwy 95, Columbia, AL 36319
Address

Expiration Date N/A

4. Identification of System E11, Q1E11\$NUBBRHR99B, RHR/LHSI System, Class 1

5. (a) Applicable Construction Code AISC Edition, 1969 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	12150	N/A	Unk	Unk	Removed	No
Hydraulic Snubber	Anvil	39493	N/A	SNA10090817	2015	Installed	No

7. Description of Work Replaced existing ITT Grinnell snubber with a new Anvil snubber.

8. Test Conducted:

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

FORM NIS-2 (Back)

9. Remarks see 10/21/16
SNC719347 WO 719349

Applicable Manufacturer's Data Reports to be attached

Replacement snubber authorized by ED C092533401 version 4. A VT-3 examination was performed on the installed snubber.

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 Alvin L. Amodeo ASME Boiler MGR Date 10/17/16
 Owner or Owner's Designated, 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 Florida and employed by The Hartford Steam Boiler Inspection and Insurance Company of Connecticut have inspected the components described in this Owner's Report during the period 09/30/2016 to 11/14/2016, 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.

Robley Senf
 Inspector's Signature

Commissions 12603A INC. FL45
 National Board, State, Province and Endorsements

Date 11/14/2016

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
Name

40 Inverness Ctr Pkwy, Birmingham, AL 35242
Address

2. Plant Joseph M. Farley Nuclear Plant (FNP)
Name

7388 N. State Hwy 95, Columbia, AL 36319
Address

3. Work Performed By
FNP Maintenance Department
Name

7388 N. State Hwy 95, Columbia, AL 36319
Address

Date: 10/15/2016

Sheet 1 of 2

Unit FNP Unit 1

WO# SNC719352

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

Type Code Symbol Stamp N/A

Authorization No. N/A

Expiration Date N/A

4. Identification of System E11, RHR/LHSI System, Q1E11SNUBBSIR106, Class 1

5. (a) Applicable Construction Code AISC Edition, 1969 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	13412	N/A	FNP-222	1977	Removed	No
Hydraulic Snubber	Anvil	40070	N/A	SNA10127444	2016	Installed	No

7. Description of Work Replaced Snubber.

8. Test Conducted:

Hydrostatic ☐

Pneumatic ☐

Nominal Operating Pressure ☐

Exempt ☒

Other ☐

Pressure _____ psi

Test Temp. _____ °F

FORM NIS-2 (Back)

9. Remarks W0HSNC719352

Applicable Manufacturer's Data Reports to be attached

Replacement snubber authorized by PDE 96-0-0225. A VT-3 examination was performed on the installed snubber.

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 Amelia Ainsley Matt Scott N/A Date 10/17/16
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 Florida and employed by The Hartford Steam Boiler Inspection and Insurance Company of Connecticut have inspected the components described in this Owner's Report during the period 09/07/2016 to 10/20/2016, 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.

Ronney Self
Inspector's Signature

Commissions 12603AIRC, FL45
National Board, State, Province and Endorsements

Date 10/20/2016

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
Name
40 Inverness Cir Pkwy, Birmingham, Al. 35242
Address

Date: 10/4/2016
Sheet 1 of 2
Unit FNP Unit 1

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

WO# SNC719680
Repair/Replacement Organization P.O. No., Job No., etc.

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

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

4. Identification of System E13, Q1E13SNUBBCSR291, Containment Spray System, Class 1

5. (a) Applicable Construction Code AISC Edition, 1969 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	14642	N/A	FNP-222	1976	Removed	No
Hydraulic Snubber	Anvil	40067	N/A	SNA10127444	2016	Installed	No

7. Description of Work Replaced Snubber.

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

FORM NIS-2 (Back)

9. Remarks SNC719680

Applicable Manufacturer's Data Reports to be attached

Replace Grinnell snubber with Anvil Snubber per ED C092050401. A VT-3 was performed.

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 RAHILL Ronald D. Williams MSM Date 12-7-16
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 Florida and employed by The Hartford Steam Boiler Inspection and Insurance Company of Connecticut have inspected the components described in this Owner's Report during the period 08/10/2016 to 12/09/2016, 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.

Randy S. S. S.
Inspector's Signature

Commissions 12603A1NC, FL445
National Board, State, Province and Endorsements

Date 12/09/2019

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
Name

40 Inverness Ctr Pkwy, Birmingham, AL 35242
Address

2. Plant Joseph M. Farley Nuclear Plant (FNP)
Name

7388 N. State Hwy 95, Columbia, AL 36319
Address

3. Work Performed By
FNP Maintenance Department
Name

7388 N. State Hwy 95, Columbia, AL 36319
Address

Date: 10/4/2016

Sheet 1 of 2

Unit FNP Unit 1

WO# SNC719692

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

Type Code Symbol Stamp N/A

Authorization No. N/A

Expiration Date N/A

4. Identification of System E13, Q1E13SNUBBCSR296B, Containment Spray System, Class 1

5. (a) Applicable Construction Code AISC Edition, 1969 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	15765	N/A	FNP-222	1976	Removed	No
Hydraulic Snubber	Anvil	40068	N/A	SNA10127444	2016	Installed	No

7. Description of Work Replaced Snubber.

8. Test Conducted:

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

FORM NIS-2 (Back)

9. Remarks WO # SNC71969Z

Applicable Manufacturer's Data Reports to be attached

Replace ITT Grinnell Snubber with Anvil Snubber per ED C092050401. A VT-3 was performed.

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 Sam Jones Maintenance Manager Date 10/21/16
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 Florida and employed by The Hartford Steam Boiler Inspection and Insurance Company of Connecticut have inspected the components described in this Owner's Report during the period 08/16/2016 to 12/07/2016, 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 S. D. D. D. D. Commissions 12603 AINC, F445
Inspector's Signature National Board, State, Province and Endorsements

Date 12/07/2016

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
Name

40 Inverness Ctr Pkwy, Birmingham, Al. 35242
Address

2. Plant Joseph M. Farley Nuclear Plant (FNP)
Name

7388 N. State Hwy 95, Columbia, Al. 36319
Address

3. Work Performed By
FNP Maintenance Department
Name

7388 N. State Hwy 95, Columbia, Al. 36319
Address

Date: 10/4/2016

Sheet 1 of 2

Unit FNP Unit 1

WO# SNC719693

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

Type Code Symbol Stamp N/A

Authorization No. N/A

Expiration Date N/A

4. Identification of System E21, Q1E21SNUBBCVCR365A, HHS/CVCS System, Class 1

5. (a) Applicable Construction Code AISC Edition, 1969 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	14531	N/A	FNP-222	1976	Removed	No
Hydraulic Snubber	Anvil	40066	N/A	SNA10127444	2016	Installed	No

7. Description of Work Replaced Snubber.

8. Test Conducted:

Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☐ Exempt ☒

Other ☐ Pressure _____ psi Test Temp. _____ °F

FORM NIS-2 (Back)

9. Remarks WO# SNC719693

Applicable Manufacturer's Data Reports to be attached

Replaced snubber per ED C092099701. A VT-3 was performed.

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



San Jones



Date

10/21/16

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 Florida and employed by The Hartford Steam Boiler Inspection and Insurance Company of Connecticut

have inspected the components described in this Owner's Report during the period 08/10/2016 to 11/14/2016, 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

12603A INC, FL445

National Board, State, Province and Endorsements

Date

11/14/16

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
Name
40 Inverness Ctr Pkwy, Birmingham, Al. 35242
Address

Date: 10/4/2016
Sheet 1 of 2
Unit FNP Unit 1

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

WO# SNC719695
Repair/Replacement Organization P.O. No., Job No., etc.

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

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

4. Identification of System E21, Q1E21SNUBBCVCR365B, HHS/CVCS System, Class 1

5. (a) Applicable Construction Code AISC Edition, 1969 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	13924	N/A	FNP-222	1976	Removed	No
Hydraulic Snubber	Anvil	40069	N/A	SNA10127444	2016	Installed	No

7. Description of Work Replace Snubber.

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

FORM NIS-2 (Back)

9. Remarks WON SNC719695

Applicable Manufacturer's Data Reports to be attached

Replacement snubber authorized by ED C092099701. A VT-3 examination was performed on the installed snubber.

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 San Jose Macintosh Manager Date 10/21/16
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 Florida and employed by The Hartford Steam Boiler Inspection and Insurance Company of Connecticut have inspected the components described in this Owner's Report during the period 08/10/2016 to 11/15/2016, 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 SENA Rodney Sena Commissions 12603A1NC, FL45
Inspector's Signature National Board, State, Province and Endorsements

Date 11/15/2016

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
Name
40 Inverness Ctr Pkwy, Birmingham, Al. 35242
Address

Date: 10/19/2016
Sheet 1 of 2
Unit FNP Unit 1

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

WO# SNC719696
Repair/Replacement Organization P.O. No., Job No., etc.

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

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

4. Identification of System E21, Q1E21SNUBBCVCR545A, HHS/CVCS System, Class 1

5. (a) Applicable Construction Code AISC Edition, 1969 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	12875	N/A	FNP-222	Unk	Removed	No
Hydraulic Snubber	Anvil	40064	N/A	SNA10127444	2016	Installed	No

7. Description of Work Replaced Snubber.

8. Test Conducted:

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

9. Remarks **WOH SNC719696**

Applicable Manufacturer's Data Reports to be attached

Replacement snubber authorized by ED C092099701. A VT-3 examination was performed on the installed snubber.

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 Jon M. Sten July Martinez/Hwy 2 Date 10/22/14
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 Florida and employed by The Hartford Steam Boiler Inspection and Insurance Company of Connecticut

have inspected the components described in this Owner's Report during the period 08/12/2010
to 11/14/2010, 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.

ROSEMARY SENE Rosemary Sene Commissions 12603A INC, FL445
Inspector's Signature National Board, State, Province and Endorsements

Date 11/14/2016

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
Name

40 Inverness Cir Pkwy, Birmingham, Al. 35242
Address

2. Plant Joseph M. Farley Nuclear Plant (FNP)
Name

7388 N. State Hwy 95, Columbia, Al. 36319
Address

3. Work Performed By

FNP Maintenance Department
Name

7388 N. State Hwy 95, Columbia, Al. 36319
Address

Date: 10/19/2016

Sheet 1 of 2

Unit FNP Unit 1

WO# SNC719699

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

Type Code Symbol Stamp N/A

Authorization No. N/A

Expiration Date N/A

4. Identification of System E21, Q1E21SNUBBCVCR545B, HHS/CVCS System, Class 1

5. (a) Applicable Construction Code AISC Edition, 1969 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	12874	N/A	FNP-222	Unk	Removed	No
Hydraulic Snubber	Anvil	39948	N/A	SNA10108440	2016	Installed	No

7. Description of Work Replaced Snubber.

8. Test Conducted:

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

FORM NIS-2 (Back)

9. Remarks WO# SNC719699

Applicable Manufacturer's Data Reports to be attached

Replacement snubber authorized by ED C092099701. A VT-3 examination was performed on the installed snubber.

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 [Signature] Date 10/20/16
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 Florida and employed by The Hartford Steam Boiler Inspection and Insurance Company of Connecticut have inspected the components described in this Owner's Report during the period 09/14/2016 to 11/14/2016, 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 S. SAUNDERS Commissions 12603A NC, FL 445
Inspector's Signature National Board, State, Province and Endorsements

Date 11/14/2016

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
Name
40 Inverness Cir Pkwy, Birmingham, Al. 35242
Address

Date: 10/15/2016

Sheet 1 of 2

Unit FNP Unit 1

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

WO# SNC719710

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

Type Code Symbol Stamp N/A

Authorization No. N/A

Expiration Date N/A

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

4. Identification of System E21, Q1E21SNUBBCVCSR682, HHS/CVCS System, Class 1

5. (a) Applicable Construction Code AISC Edition, 1969 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	12131	N/A	Unk	Unk	Removed	No
Hydraulic Snubber	Anvil	40065	N/A	SNA10127444	2016	Installed	No

7. Description of Work Replaced Snubber.

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

FORM NIS-2 (Back)

9. Remarks WON SNC219710

Applicable Manufacturer's Data Reports to be attached

Replacement snubber. A VT-3 Examination was performed on the installed snubber.

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 Amir, Josephine Gray MNT SUPPLY R-62 Date 10/17/16
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 Florida and employed by The Hartford Steam Boiler Inspection and Insurance Company of Connecticut have inspected the components described in this Owner's Report during the period 10/08/2016 to 10/20/2016, 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 SENA Rodney Sena Commissions 12603A INC, FL445
Inspector's Signature National Board, State, Province and Endorsements

Date 10/20/2016

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
Name
40 Inverness Cir Pkwy, Birmingham, Al. 35242
Address

Date: 10/18/2016

Sheet 1 of 2

Unit FNP Unit 1

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

WO# SNC720054

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

Type Code Symbol Stamp N/A

Authorization No. N/A

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

Expiration Date N/A

4. Identification of System G31. Q1G31SNUBBSFP1R3, Spent Fuel Pool Cooling System, Class 1

5. (a) Applicable Construction Code AISC Edition, 1969 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	9709	N/A	FNP-222	1977	Removed	No
Hydraulic Snubber	Anvil	40072	N/A	SNA10127444	2016	Installed	No

7. Description of Work Replaced Snubber.

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

FORM NIS-2 (Back)

9. Remarks WO# SNC720054

Applicable Manufacturer's Data Reports to be attached

Replace ITT Grinnell snubber with Anvil snubber per ED C102466701. A V-3 was performed.

^
VT-3

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 RENEE L. WILLIAMS, MSM Date 10/26/16
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 Florida and employed by The Hartford Steam Boiler Inspection and Insurance Company of Connecticut have inspected the components described in this Owner's Report during the period 08/09/2016 to 11/10/2016, 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 SELL
Inspector's Signature

Commissions 12603A1NC, FL445
National Board, State, Province and Endorsements

Date 11/10/2016

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
Name

40 Inverness Ctr Pkwy, Birmingham, Al. 35242
Address

2. Plant Joseph M. Farley Nuclear Plant (FNP)
Name

7388 N. State Hwy 95, Columbia, Al. 36319
Address

3. Work Performed By
FNP Maintenance Department
Name

7388 N. State Hwy 95, Columbia, Al. 36319
Address

Date: 10/20/2016

Sheet 1 of 2

Unit FNP Unit 1

WO# SNC720061

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

Type Code Symbol Stamp N/A

Authorization No. N/A

Expiration Date N/A

4. Identification of System G31, Q1G31SNUBBSFP1R4, Spent Fuel Pool Cooling System, Class 1

5. (a) Applicable Construction Code AISC-1969 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	14148	N/A	FNP-222	1977	Removed	No
Hydraulic Snubber	Anvil	40071	N/A	SNA10127444	2016	Installed	No

7. Description of Work Replaced snubber.

8. Test Conducted:

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

FORM NIS-2 (Back)

9. Remarks WO# SNC720051

Applicable Manufacturer's Data Reports to be attached

Replaced ITT Grinnell snubber with Anvil snubber per EDC102466701. Performed VT-3.

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 RHNDH Ronald Williams MSM Date 10-26-16
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 Florida and employed by The Hartford Steam Boiler Inspection and Insurance Company of Connecticut have inspected the components described in this Owner's Report during the period 08/08/2016 to 11/14/2016, 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.

Rodley SENN V Senn
Inspector's Signature

Commissions 12603A INC. FL445
National Board, State, Province and Endorsements

Date 11/14/2016

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
Name
40 Inverness Ctr Pkwy, Birmingham, Al. 35242
Address

Date: 10/15/2016

Sheet 1 of 2

Unit FNP Unit 1

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

WO# SNC720079

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

Type Code Symbol Stamp N/A

Authorization No. N/A

Expiration Date N/A

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

4. Identification of System N21, Q1N21SNUBBFWR45, Condensate & Feedwater System, Class 1

5. (a) Applicable Construction Code AISC Edition, 1969 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	15760	N/A	Unk	Unk	Removed	No
Hydraulic Snubber	Anvil	40089	N/A	SNA10128563	2016	Installed	No

7. Description of Work Replaced snubber.

8. Test Conducted:

Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☐ Exempt ☒

Other ☐ Pressure _____ psi Test Temp. _____ °F

FORM NIS-2 (Back)

9. Remarks WON SNC720079

Applicable Manufacturer's Data Reports to be attached

Replaced snubber per ED C102465701. A VT-3 examination was performed.

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 Aimee Gray MAINT SUPERVISOR Date 10/17/16
 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 Florida and employed by The Hartford Steam Boiler Inspection and Insurance Company of Connecticut have inspected the components described in this Owner's Report during the period 09/30/2016 to 10/20/2016, 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.

Ronley Smith
 Inspector's Signature

Commissions 12603A11C, FL445
 National Board, State, Province and Endorsements

Date 10/20/2016

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
Name
40 Inverness Ctr Pkwy, Birmingham, Al. 35242
Address

Date: 5/03/2016

Sheet 1 of 2

Unit FNP Unit 1

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

WO# SNC725914
Repair/Replacement Organization P.O. No., Job No., etc.

Type Code Symbol Stamp N/A

Authorization No. N/A

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

Expiration Date N/A

4. Identification of System P16, Service Water System, Q1R43H0505, Class 3

5. (a) Applicable Construction Code 1971 Edition, No 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)
Hx Tube Bundle	Energy Steel	N33025-1	N/A	QP050011	2007	Removed	Yes
Hx Tube Bundle	Energy Steel	NPT40318-1	N/A	SNA10063745	2014	Installed	Yes

7. Description of Work Replaced tube bundle in Q1R43H0505 - 1B Diesel Generator Intercooler Heat Exchanger.

8. Test Conducted:

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

FORM NIS-2 (Back)

9. Remarks WO# SNC725914

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

Signed [Signature] MSW Date 5-3-16
Owner or Owner's Designee

CERTIFICATE OF 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 Florida and employed by The Hartford Steam Boiler Inspection and Insurance Company of Hartford, CT Connecticut have inspected the components described in this Owner's Report during the period 12/10/2015 to 05/20/2016 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 12603A INC, FL445
National Board, State, Province and Endorsements

Date 05/20/2016

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
Name
40 Inverness Ctr Pkwy, Birmingham, Al. 35242
Address

Date: 10/17/2016
Sheet 1 of 2
Unit FNP Unit 1

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

WO# SNC737910
Repair/Replacement Organization P.O. No., Job No., etc.

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

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

4. Identification of System E21, Q1G24SNUBBS4463A, Steam Generator Blowdown System, Class 1

5. (a) Applicable Construction Code AISC Edition, 1969 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	61287/72	N/A	Unk	Unk	Removed	No
Hydraulic Snubber	Anvil	31600174/004	N/A	SNA10134370	2016	Installed	No

7. Description of Work Replaced Snubber.

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

FORM NIS-2 (Back)

9. Remarks WONSNC737910

Applicable Manufacturer's Data Reports to be attached

Replacement snubber. A VT-3 Examination was performed on the installed snubber.

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/ACertificate of Authorization No. N/A Expiration Date N/ASigned Amel Boy Amel MMT SUPV MGR Date 10/17/16
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 Florida and employed by The Hartford Steam Boiler Inspection and Insurance Company of Connecticut

have inspected the components described in this Owner's Report during the period 09/30/2016 to 12/09/2016 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.

RANDY SENNA Commissions 12603A INC, FL 445
Inspector's Signature National Board, State, Province and Endorsements

Date 12/09/2016

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
Name

40 Inverness Ctr Pkwy, Birmingham, Al. 35242
Address

2. Plant Joseph M. Farley Nuclear Plant (FNP)
Name

7388 N. State Hwy 95, Columbia, Al. 36319
Address

3. Work Performed By
FNP Maintenance Department
Name

7388 N. State Hwy 95, Columbia, Al. 36319
Address

Date: 10/14/2016

Sheet 1 of 2

Unit FNP Unit 1

WO# SNC744634

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

Type Code Symbol Stamp N/A

Authorization No. N/A

Expiration Date N/A

4. Identification of System B21, Q1B21SNUBBFT414A, Main Steam System, Class 1

5. (a) Applicable Construction Code AISC-1969 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	ITT Grinnell	2072	N/A	Unk	Unk	Removed	No
Hydraulic Snubber	Lisega	31600174/005	N/A	SNA10134370	2016	Installed	No

7. Description of Work Replaced snubber.

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

FORM NIS-2 (Back)

9. Remarks WOH SNE744634

Applicable Manufacturer's Data Reports to be attached

Mechanical snubber replaced with hydraulic snubber per PDE 96-0-0225. A VT-3 was performed on the snubber.

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 Aimee L. Smith, NNTSAPR APR Date 10/27/16
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 Florida and employed by The Hartford Steam Boiler Inspection and Insurance Company of Connecticut

have inspected the components described in this Owner's Report during the period 10/16/2016 to 10/20/2016 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. Smith Commissions 12603 AINC, FL 445
Inspector's Signature National Board, State, Province and Endorsements

Date 10/20/2016

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
Name
40 Invarness Ctr Pkwy, Birmingham, Al. 35242
Address

Date: 10/19/2016

Sheet 1 of 2

Unit FNP Unit 1

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

WO# SNC744672

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

Type Code Symbol Stamp N/A

Authorization No. N/A

Expiration Date N/A

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

4. Identification of System G24, 01G24\$NUBBSS4576C, Steam Generator Blowdown System, Class 1

5. (a) Applicable Construction Code AISC Edition, 1969 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	PSA	402	N/A	FNP-222	Unk	Removed	No
Hydraulic Snubber	Liseqa	31600174/002	N/A	SNA10134370	2016	Installed	No

7. Description of Work Replaced Snubber.

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

FORM NIS-2 (Back)

9. Remarks WO #SNC744672

Applicable Manufacturer's Data Reports to be attached

Replace snubber PSA snubber with Liseqa snubber per PDE 96-0-0225. A VT-3 was performed.

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 Sam J. Manterio Date 10/21/16
Sam J. Manterio 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 Florida and employed by The Hartford Steam Boiler Inspection and Insurance Company of Connecticut have inspected the components described in this Owner's Report during the period 10/04/2016 to 11/14/2016 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.

Robley S. Smith Commissions 12603A, 12C, FL445
 Inspector's Signature National Board, State, Province and Endorsements

Date 11/14/2016

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
Name
40 Inverness Ctr Pkwy, Birmingham, Al. 35242
Address

Date: 11/2/2016

Sheet 1 of 2

Unit FNP Unit 1

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

WO# SNC798602

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

Type Code Symbol Stamp N/A

Authorization No. N/A

Expiration Date N/A

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

4. Identification of System N11, Q1N11V002A, Main Steam, Class 2

5. (a) Applicable Construction Code 1968 Edition, March 1970 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)
Bearing Cover	Atwood & Morrill	A-340	N/A	FNP-191	1974	Removed	No
Bearing Cover	L.A. Simpson	KC2142	N/A	SNA10141051	2016	Installed	No

7. Description of Work Replaced bearing cover.

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

FORM NIS-2 (Back)

9. Remarks WO# SNC798602

Applicable Manufacturer's Data Reports to be attached

Certificate of Conformance and Certified Material Test Report are attached. A VT-2 examination was performed.

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. H. DALL Date 11/12/16
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 Florida and employed by The Hartford Steam Boiler Inspection and Insurance Company of Connecticut have inspected the components described in this Owner's Report during the period 10/06/2016 to 12/06/2016, 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 SENE Commissions 12603A INC, FL445
Inspector's Signature National Board, State, Province and Endorsements

Date 12/06/2016

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
Name
40 Inverness Ctr Pkwy, Birmingham, Al. 35242
Address

Date: 11/1/2016

Sheet 1 of 2

Unit FNP Unit 1

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

WO# SNC799318

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

Type Code Symbol Stamp N/A

Authorization No. N/A

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

Expiration Date N/A

4. Identification of System N12, System, Q1N12V005A, Class 2

5. (a) Applicable Construction Code 1977 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)
Bonnet	Velan	2380	N/A	FNP-190	1973	Removed	No
Bonnet	Velan	17883	N/A	QP090475	2009	Installed	No

7. Description of Work Replaced valve bonnet.

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

FORM NIS-2 (Back)

9. Remarks WO# SNC799318

Applicable Manufacturer's Data Reports to be attached

Replaced bonnet. A VT-2 was performed. Data reports 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 Robert W. Williams MSN Date 11/1/16
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 Florida and employed by The Hartford Steam Boiler Inspection and Insurance Company of Connecticut have inspected the components described in this Owner's Report during the period 10/18/2016 to 12/08/2016 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.

Donney Senn
Inspector's Signature

Commissions 12603A1NC, FL445

National Board, State, Province and Endorsements

Date 12/08/2016

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
Name

40 Inverness Ctr Pkwy, Birmingham, AL 35242
Address

2. Plant Joseph M. Farley Nuclear Plant (FNP)
Name

7388 N. State Hwy 95, Columbia, AL 36319
Address

3. Work Performed By
FNP Maintenance Department
Name

7388 N. State Hwy 95, Columbia, AL 36319
Address

Date: 10/27/2016

Sheet 1 of 2

Unit FNP Unit 1

WO# SNC805810

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

Type Code Symbol Stamp N/A

Authorization No. N/A

Expiration Date N/A

4. Identification of System P16, Service Water System, Q1P16V0075, Class 2

5. (a) Applicable Construction Code 1989 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)
Valve	Flowserve	E-548T-1-1	N/A	QP020087	2002	Removed	Yes
3/4" Nut	Unk	Unk	N/A	Unk	Unk	Removed	No
3/4" Stud	Unk	Unk	N/A	Unk	Unk	Removed	No
Valve	Flowserve	BJ949	N/A	QP100671	2011	Installed	Yes
3/4" Nut	Dubose	FK0146	N/A	SNA31710-0306	2015	Installed	No
3/4" Stud	Nova Machine	NF14103139	N/A	SNA36051-0392	2016	Installed	No

7. Description of Work Replaced valve and hardware.

8. Test Conducted:

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

FORM NIS-2 (Back)

9. Remarks WO# SNC805810

Applicable Manufacturer's Data Reports to be attached

Replaced valve and associated hardware. Data reports attached and a VT-2 was performed.

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

James A. Gray, ASME CRAI, MAIT MBR

Date

10/27/16

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 Florida and employed by The Hartford Steam Boiler Inspection and Insurance Company of Hartford, Connecticut have inspected the components described in this Owner's Report during the period 10/18/2016 to 11/15/2016, 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 SEAN Rodney Sean
Inspector's Signature

Commissions

12603A INC, FL445

National Board, State, Province and Endorsements

Date

11/15/2016

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
Name
40 Inverness Ctr Pkwy, Birmingham, Al. 35242
Address

Date: 10/27/2016
Sheet 1 of 2
Unit FNP Unit 1

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

WO# SNC817876
Repair/Replacement Organization P.O. No., Job No., etc.

3. Work Performed By
Dev Zimmerman
Name
7388 N. State Hwy 95, Columbia, Al. 36319
Address

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

4. Identification of System P16, Q1P16V567, Service Water System, Class 3

5. (a) Applicable Construction Code 1989 Edition, No 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)
6" Pipe	ITT Grinnell	21245	N/A	JF-4-631	1973	Removed	Yes
6" Elbow	ITT Grinnell	ABBA	N/A	JF-4-631	1973	Removed	Yes
6" Flange (2)	ITT Grinnell	DEK	N/A	JF-4-631	1973	Removed	No
3/4" Stud (16)	Unk	Unk	N/A	Unk	Unk	Removed	No
3/4" Nut (32)	Unk	Unk	N/A	Unk	Unk	Removed	No
6" Pipe	Consolidated Power Supply	C65182	N/A	SNA33232-0322	2013	Installed	No
6" Elbow	Consolidated Power Supply	NRKR-2	N/A	SNA46165-0097 rev.2	2016	Installed	No
6" Flange (2)	Westrn Forge and Flange	217T099	N/A	SNA33232-0456	2015	Installed	No
3/4" Stud (16)	NOVA	M47207	N/A	SNA10065429	2013	Installed	No
3/4" Nut (32)	Dubose	FK0146	N/A	SNA31710-0306	2015	Installed	No

7. Description of Work Replaced piping and associated componets.

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

FORM NIS-2 (Back)

9. Remarks: WON SNC817876

Applicable Manufacturer's Data Reports to be attached

Replaced piping and componets. Data sheets for all parts are attached. A VT-2 was completed.

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 Agnes C. Agnew, Owner Date 10/21/16
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 Florida and employed by The Hartford Steam Boiler Inspection and Insurance Company of Connecticut

have inspected the components described in this Owner's Report during the period 10/08/2016 to 11/09/2016 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 SEAN Rooney Commissions 12603A, NC, FL 45
Inspector's Signature National Board, State, Province and Endorsements

Date 11/09/2016

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
Name
40 Inverness Cir Pkwy, Birmingham, Al. 35242
Address

Date: 11/1/16
Sheet 1 of 2
Unit FNP Unit 1

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

WO# SNC818015
Repair/Replacement Organization P.O. No., Job No., etc.

3. Work Performed By
Day Zimmerman
Name
7388 N. State Hwy 95, Columbia, Al. 36319
Address

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

4. Identification of System E21, Q1E21V0259A, HHS/CVCS System, Class 2

5. (a) Applicable Construction Code 1995 Edition, 1996 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)
ER308L Filler Material	Unk	Unk	N/A	Unk	Unk	Removed	No
3/32" ER308L Filler Material	Arcos	537291	N/A	SNA10092405	2014	Installed	No
1/8" ER308L Filler Material	Arcos	540543	N/A	SNA10112067	2015	Installed	No

7. Description of Work Remove/re-install seal weld on valve bonnet.

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

FORM NIS-2 (Back)

9. Remarks WO# SNC818015

Applicable Manufacturer's Data Reports to be attached

Certificates of Compliance and Certified Material Test Reports for filler metal are attached. A VT-2 examination was performed.

Welding was performed by a qualified welder using a qualified procedure.

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 Ronald W. Williams MSM Date 11/1/16
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 Florida and employed by The Hartford Steam Boiler Inspection and Insurance Company of Connecticut have inspected the components described in this Owner's Report during the period 12/14/2016 to 12/06/2016, 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.

Donney Sam Donney Sam Commissions 12603A1NC, FL445
Inspector's Signature National Board, State, Province and Endorsements

Date 12/06/2016

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
Name

40 Inverness Ctr Pkwy, Birmingham, Al. 35242
Address

2. Plant Joseph M. Farley Nuclear Plant (FNP)
Name

7388 N. State Hwy 95, Columbia, Al. 36319
Address

3. Work Performed By
FNP Maintenance Department
Name

7388 N. State Hwy 95, Columbia, Al. 36319
Address

Date: 11/10/2016

Sheet 1 of 2

Unit FNP Unit 1

WO# SNC820313

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

Type Code Symbol Stamp N/A

Authorization No. N/A

Expiration Date N/A

4. Identification of System E21, Q1E21V0255, Chemical Volume Control System, Class 2

5. (a) Applicable Construction Code 1974 Edition, Summer 1975 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)
Spring	Crosby Valve & Gauge Co.	N91025-30-4495	N/A	Valve S/N N66639-00-0005	1994	Removed	No
Spring Washers	Crosby Valve & Gauge Co.	N91025-30-4495	N/A	Valve S/N N66639-00-0005	1994	Removed	No
Nozzle	Crosby Valve & Gauge Co.	N94444-36-0010	N/A	Valve S/N N66639-00-0005	1994	Removed	No
Insert Disc	Crosby Valve & Gauge Co.	N94444-36-0013	N/A	Valve S/N N66639-00-0005	1994	Removed	No
Spring Assembly	Anderson Greenwood Crosby	N91025-04-5838	N/A	QP080943	2009	Installed	No
Nozzle	Crosby Valve & Gauge Co.	N94444-32-0004	N/A	33601	1984	Installed	No
Insert Disc	Anderson Greenwood Crosby	N94446-37-0015	N/A	QP040401	2004	Installed	No

7. Description of Work Refurbished, tested, and installed relief valve. The valve was refurbished and tested per WO# SNC460514 and installed per

WO# SNC820313

8. Test Conducted:

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

FORM NIS-2 (Back)

9. Remarks WO# SNC820313

Applicable Manufacturer's Data Reports to be attached

Data reports attached. A VT-2 examination was performed.

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

Signed Richard S. Smith: Ronald Williams MSN Date 11/12/16
 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 Florida and employed by The Hartford Steam Boiler Inspection and Insurance Company of Connecticut

have inspected the components described in this Owner's Report during the period 10/11/2016 to 12/07/2016, 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.

Ronald S. Smith
 Inspector's Signature

Commissions 12603A, NC, FL 45
 National Board, State, Province and Endorsements

Date 12/07/2016

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
Name
40 Inverness Cir Pkwy, Birmingham, AL 35242
Address

Date: 10/21/2016
Sheet 1 of 2
Unit ENP Unit 1

2. Plant Joseph M. Farley Nuclear Plant (ENP)
Name
7328 N. State Hwy 95, Columbus, AL 36319
Address

WOP SNC820419
Repair/Replacement Organization P.O. No., Job No., etc.
Type Code Symbol Stamp N/A
Authorization No. N/A
Expiration Date N/A

3. Work Performed By
ENP Maintenance Department
Name
7328 N. State Hwy 95, Columbus, AL 36319
Address

4. Identification of System E21, Q1E21SNUBRSS471BA, HHS/CVCS System, Class 1
5. (a) Applicable Construction Code AISC-1969 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)
Stud	Unk	Unk	N/A	Unk	Unk	Removed	No
Nut	Unk	Unk	N/A	Unk	Unk	Removed	No
Screw, Cap	Mackson	65168	N/A	SNA10032292	2012	Installed	No
Screw, Cap	Dubose	6098536	N/A	SNA31710-103	2014	Installed	No
Nut, Lock	Dubose	GC0314	N/A	SNA31710-0364	2016	Installed	No

7. Description of Work Replaced stud with bolts and nuts per drawing.

8. Test Conducted:

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

FORM NIS-2 (Back)

9. Remarks WO# SNC820419

Applicable Manufacturer's Data Reports to be attached

Installed correct hardware per drawing and performed VT-3.

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 Ronald Williams MEM Date 10-26-16
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 Florida and employed by The Hartford Steam Boiler Inspection and Insurance Company of Hartford, Connecticut have inspected the components described in this Owner's Report during the period 10/12/2016 to 12/13/2016 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 SENN Commissions 12603A INC, FL445
Inspector's Signature National Board, State, Province and Endorsements

Date 12/13/2016

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
Name
40 Inverness Cir Pkwy, Birmingham, AL 35242
Address

Date: 10/21/2016

Sheet 1 of 2

Unit FNP Unit 1

2. Plant Joseph M. Farley Nuclear Plant (FNP)
Name
7389 N. State Hwy 85, Columbia, AL 36319
Address

WO# SNC820420
Repair/Replacement Organization P.O. No., Job No., etc.

Type Code Symbol Stamp N/A

Authorization No. N/A

Expiration Date N/A

3. Work Performed By
FNP Maintenance Department
Name
7389 N. State Hwy 85, Columbia, AL 36319
Address

4. Identification of System E21, Q1E213NUBSS47182, HH6VCVCS System, Class 1

5. (a) Applicable Construction Code ASCE 1969 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)
Stud	Unk	Unk	N/A	Unk	Unk	Removed	No
Nut	Unk	Unk	N/A	Unk	Unk	Removed	No
Screw, Cap	Macdon	65168	N/A	SNA10032292	2012	Installed	No
Screw, Cap	Dubase	8098536	N/A	SNA31710-103	2014	Installed	No
Nut, Lock	Dubase	GC0314	N/A	SNA31710-0364	2016	Installed	No

7. Description of Work Replaced stud with bolts and nuts per drawing.

8. Test Conducted:

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

FORM NIS-2 (Back)

9. Remarks WO# SNC820420

Applicable Manufacturer's Data Reports to be attached

Installed correct hardware per drawing and performed VT-3.

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 [Signature] Owner or Owner's Designee, Title Date 10/26/16

CERTIFICATE OF 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 Florida and employed by The Hartford Steam Boiler Inspection and Insurance Company of Hartford, Connecticut have inspected the components described in this Owner's Report during the period 10/12/2016 to 12/13/2016 and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

[Signature] Commissions 12603 AWC, FLD45
Inspector's Signature National Board, State, Province and Endorsements

Date 12/13/2016

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
Name
40 Inverness Ctr Pkwy, Birmingham, Al. 35242
Address

Date: 11/2/2016

Sheet 1 of 2

Unit FNP Unit 1

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

WO# SNC820969
Repair/Replacement Organization P.O. No., Job No., etc.

Type Code Symbol Stamp N/A

Authorization No. N/A

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

Expiration Date N/A

4. Identification of System B13, Q1B13V031A, Reactor Coolant System, Class 1

5. (a) Applicable Construction Code 1971 Edition, Winter 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)
Disc Insert	Anderson Greenwood Crosby	N94630-36-0010	N/A	Unk	Unk	Removed	No
Disc Insert	Anderson Greenwood Crosby	N94630-38-0012	N/A	QP100250	2010	Installed	No

7. Description of Work Disc Insert in Pressurizer Safety Valve S/N N56963-01-005 was replaced by vendor as part of PO# SNA10144384. Disc Insert was furnished to vendor per Transaction# 13945758.

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

FORM NIS-2 (Back)

9. Remarks WOH SNC820969

Applicable Manufacturer's Data Reports to be attached

Certificate of Conformance and Certified Material Test Report are attached. A VI-2 examination was performed.

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. Williams Ronald Williams MSN Date 11/12/16
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 Florida and employed by The Hartford Steam Boiler Inspection and Insurance Company of Connecticut have inspected the components described in this Owner's Report during the period 10/15/2016 to 12/02/2016, 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.

Prodney Smith Prodney Smith Commissions 12603A INC, FL445
Inspector's Signature National Board, State, Province and Endorsements

Date 12/02/2016

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
Name
40 Inverness Ctr Pkwy, Birmingham, Al. 35242
Address

Date: 11/12/2016
Sheet 1 of 2
Unit FNP Unit 1

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

WO# SNC821066
Repair/Replacement Organization P.O. No., Job No., etc.

Type Code Symbol Stamp N/A

Authorization No. N/A

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

Expiration Date N/A

4. Identification of System G31, Q1G31V0017, Spent Fuel Pool Cooling System, Class 3

5. (a) Applicable Construction Code 2007 Edition, 2008 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)
Fabricated Clamp	Team Furmanite	216-21455 (Branch WO)	N/A	SNA38819-0029	2016	Installed	No

7. Description of Work Installed a mechanical clamping device around valve/piping connection per Relief Request FNP-ISI-ALT-21, Ver. 1.0 and TCC SNC821047. The clamp meets the requirements of ASME Sect. XI Mandatory Appendix IX (ref. Addendum 1 for additional details).

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

FORM NIS-2 (Back)

9. Remarks WO# SNC821066

Applicable Manufacturer's Data Reports to be attached

Certificates of Compliance and Certified Material Test Reports are attached. A VT-2 examination was performed.

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 Ronald W. Williams RHWLL MSM Date 12-12-16
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 Florida and employed by The Hartford Steam Boiler Inspection and Insurance Company of Connecticut have inspected the components described in this Owner's Report during the period 10/24/2016 to 12/12/2016, 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 R. Sam Commissions 12603A.N.C. F-445
Inspector's Signature National Board, State, Province and Endorsements

Date 12/12/2016

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
Name
40 Inverness Ctr Pkwy, Birmingham, Al. 35242
Address

Date: 11/10/2016

Sheet 1 of 2

Unit FNP Unit 1

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

WO# SNC821677
Repair/Replacement Organization P.O. No., Job No., etc.

Type Code Symbol Stamp N/A

Authorization No. N/A

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

Expiration Date N/A

4. Identification of System N11, Q1N11EBB001 Hanger MS3-H6, Main Steam, Class 2

5. (a) Applicable Construction Code AISC-1969 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)
E7018 Filler Metal	Unk	Unk	N/A	FNP-222	1976	Removed	No
E7018 Filler Metal	ESAB	68278Q	N/A	SNA10105235	2015	Installed	No

7. Description of Work Replaced tack welds on two Fig. 268 Type F spring can load flanges that were found broken. Spring cans are part of Hanger MS3-H6 which provides support for 32" Main Steam Line Q-1-N11-EBB-001 from the 1A Steam Generator.

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

*Q1K21
141282*

FORM NIS-2 (Back)

9. Remarks WOH SNCB21677

Applicable Manufacturer's Data Reports to be attached

Certificate of Conformance and Certified Material Test Report for filler metal are attached. A VT-3 examination was performed.

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 RH/DLL: Ronald D. Williams MSW Date 11/12/16
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 Florida and employed by The Hartford Steam Boiler Inspection and Insurance Company of Connecticut

have inspected the components described in this Owner's Report during the period 10/21/2016 to 12/08/2016, 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 SEAN Rodney
Inspector's Signature

Commissions 12603A INC, FL445
National Board, State, Province and Endorsements

Date 12/08/2016

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
Name
40 Inverness Ctr Pkwy, Birmingham, Al. 35242
Address

Date: 10/26/2016

Sheet 1 of 2

Unit FNP Unit 1

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

WO# SNC822444
Repair/Replacement Organization P.O. No., Job No., etc.

Type Code Symbol Stamp N/A

Authorization No. N/A

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

Expiration Date N/A

4. Identification of System B13, Q1B13V031B, Reactor Coolant System, Class 1

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)
6" Pipe	ITT Grinnell	Q1B13CCA-20-2	N/A	FNP-210	1974	Corrected	Yes

7. Description of Work Mechanically removed indication from pipe surface per Repair Plan PMD-337.

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

FORM NIS-2 (Back)

9. Remarks WON SNC822444

Applicable Manufacturer's Data Reports to be attached

UT thickness readings were obtained on the surface of the pipe before and after defect removal. Minimum UT reading was 0.752, which is well above 0.719" nominal wall thickness for 6" Schedule 160 SA376 Type 304 piping. A liquid penetrant examination was performed after defect removal and a final visual examination was performed upon completion of work (method of discovery).

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp N/A

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

Signed Alice-Cora Anderson MAF MGR Date 10/27/16
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 Florida and employed by The Hartford Steam Boiler Inspection and Insurance Company of Connecticut have inspected the components described in this Owner's Report during the period 10/19/2016 to 11/11/2016, 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. S. S. S. S.
Inspector's Signature

Commissions 12603A, NC, FL445
National Board, State, Province and Endorsements

Date 11/11/2016