

**Southern Nuclear
Operating Company, Inc.**
Post Office Box 1295
Birmingham, Alabama 35201-1295
Tel 205.992.5000



February 18, 2009

Docket No.: 50-364

NL-09-0210

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

Joseph M. Farley Nuclear Plant – Unit 2
Inservice Inspection Summary Report

Ladies and Gentlemen:

Southern Nuclear Operating Company submits herewith the Farley Nuclear Plant Unit 2, Interval 4, Period 1, Outage 1 Inservice Inspection Summary Report (Enclosure). This report describes and summarizes the Inservice Inspection (ISI) activities performed during the Unit 2 Fall 2008 maintenance/refueling outage. Paragraph IWA-6240 of the American Society of Mechanical Engineers Boiler and Pressure Vessel Code, Section XI, 2001 Edition with the 2003 Addenda requires submittal of the enclosed report.

On October 8, 2007 SNC submitted ISI Alternative FNP-ISI-ALT-01 to the NRC which requested that Farley Unit 2 be permitted to start the fourth ISI interval on December 1, 2007 to correspond to the Farley Unit 1 ISI interval dates. The NRC approved this alternative on October 17, 2008. Selected ASME Code repair and/or replacement activities were in process to the earlier Edition of the ASME Code. This report also includes a separate form NIS-1 to document these repair and/or replacement activities completed to the earlier Edition of the Code. Paragraph IWA-2430(d) permits the ISI interval to be extended by one year to accommodate this situation.

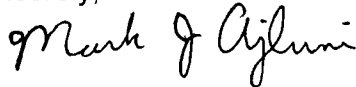
The supporting ISI documentation, e.g., examination plans and schedules, examination results and reports, examination methods and procedures, evaluation results, and corrective action and repairs, is available for review upon request at Farley Nuclear Plant.

A047
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U. S. Nuclear Regulatory Commission
NL-09-0210
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This letter contains no NRC commitments. If you have any questions, please advise.

Sincerely,



M. J. Ajluni
Manager, Nuclear Licensing

MJA/MNW/phr

Enclosure: Farley Nuclear Plant - Unit 2 Inservice Inspection Summary Report

cc: Southern Nuclear Operating Company
Mr. J. T. Gasser, Executive Vice President
Mr. J. R. Johnson, Vice President – Farley
Mr. D. H. Jones, Vice President – Engineering
RTYPE: CFA04.054

U. S. Nuclear Regulatory Commission
Mr. L. A. Reyes, Regional Administrator
Mr. R. E. Martin, NRR Project Manager – Farley
Mr. E. L. Crowe, Senior Resident Inspector – Farley

Joseph M. Farley Nuclear Plant – Unit 2

Enclosure

**Farley Nuclear Plant - Unit 2
Inservice Inspection Summary Report**

**FARLEY NUCLEAR PLANT - UNIT 2
INSERVICE INSPECTION SUMMARY REPORT - INDEX**

<u>SECTION</u>	<u>TAB</u>
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• FORM NIS-2 OWNER'S REPORTS FOR REPAIRS AND REPLACEMENTS	D

TAB A

**Form NIS-1 Owner's Report for
Inservice Inspection**

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

1. Owner Southern Nuclear Operating Company
40 Inverness Center Parkway
Birmingham, AL. 35242 (as agent for Alabama Power Co.)
 (Name and Address of Owner)
2. Plant J. M. Farley Nuclear Plant
Hwy 95 South
Columbia, AL. 36319
 (Name and Address of Plant)
3. Plant Unit 2
4. Owner Certificate of Authorization (if required) N/A
5. Commercial Service Date 07/30/81
6. National Board Number for Unit see listed N. B. for each component
7. Components Inspected

Component or Appurtenance	Manufacturer or Installer	Manufacturer or Installer Serial No.	State or Province No.	National Board No.
Reactor Vessel	Combustion Engineering	CE 69105	N/A	21385
Pressurizer	Westinghouse Tampa	1561	N/A	W10793
Steam Gen A	Westinghouse Pensacola	ALAD-40307	N/A	73
Steam Gen C	Westinghouse Pensacola	ALAD-40309	N/A	75
Class 1 Piping	Daniel Construction	N/A	N/A	N/A
Class 2 Piping	Daniel Construction	N/A	N/A	N/A

8. Examination Dates 05/18/07 to 11/20/08
9. Inspection Period Identification: First Period 12/01/07 to 11/30/10
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: 07/15/08; Version 2
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 Feb. 10 2009 Signed Southern Nuclear Operating Co. By W. Collins
(Owner)

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of GEORGIA and employed by HSB-CT of Hartford, Connecticut have inspected the components described in this Owner's Report during the period 5/18/07 to 11/20/08, 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.

W. Collins
Inspector's Signature

Commissions GA 827 AIN NB#12504
National Board, State, Province, and Endorsements

Date FEBRUARY 10 20 09

**OWNER'S REPORT
FOR
INSERVICE INSPECTION**

DATE: 02/16/09

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

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

**NAME ASSIGNED TO NUCLEAR
POWER UNIT:** Joseph M. Farley Nuclear Plant
Unit 2

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

COMMERCIAL SERVICE DATE: 07/30/81

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	B11	1-2100
Steam Generator A	B21	1-3100
Steam Generator C	B21	1-3300
Reactor Coolant System	B13	1-4100, 1-4101, 1-4200, 1-4205, 1-4300, 1-4501, 1-4502, 1-4503
Safety Injection System	E11	1-4103
Safety Injection System	E21	1-4104

CLASS 2

COMPONENT OR SYSTEM	SYSTEM DESIGNATION	APR SKETCH
RHR System	E11	2-4502, 2-4503, 2-4504, 2-4506A, 2-4507, 2-4508
Containment Spray	E13	NA for 2R19
CVCS	E21	NA for 2R19
Safety Injection	E21	NA for 2R19
Main Steam System	N11	NA for 2R19
Main Steam System	N12	2-4202, 2-4302
Feedwater	N21	NA for 2R19

HYDROSTATIC TESTING: SEE TAB B

NAME OF AUTHORIZED NUCLEAR INSERVICE INSPECTOR: James Haubrich

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

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

ABSTRACT: SEE TAB B

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

1. Owner Southern Nuclear Operating Company
40 Inverness Center Parkway
Birmingham, AL. 35242 (as agent for Alabama Power Co.)
(Name and Address of Owner)
2. Plant J. M. Farley Nuclear Plant
Hwy 95 South
Columbia, AL. 36319
(Name and Address of Plant)
3. Plant Unit 2
4. Owner Certificate of Authorization (if required) N/A
5. Commercial Service Date 07/30/81
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.

8. Examination Dates 05/18/07 to 11/20/08
9. Inspection Period Identification: Second Period 05/01/04 to 11/30/07
10. Inspection Interval Identification: Third Interval 07/30/01 to 07/30/11
11. Applicable Edition of Section XI 1989 Addenda None
12. Date/Revision of Inspection Plan: 08/31/07; Version 9
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 Feb 10 2009 Signed Southern Nuclear Operating Co. By W. Collins
(Owner)

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of GEORGIA and employed by HSB-CT of Hartford, Connecticut have inspected the components described in this Owner's Report during the period 1/18/09 to 1/20/09 and state that to the best of my knowledge and belief, the Owner has performed examinations and tests and taken corrective measures described in this Owner's Report in accordance with the Inspection Plan and as required by the ASME Code, Section XI.

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

[Signature]
Inspector's Signature

Commissions

GA 827 AIN NB# 1256A
National Board, State, Province, and Endorsements

Date FEBRUARY 10 20 09

**OWNER'S REPORT
FOR
INSERVICE INSPECTION**

DATE: 02/16/09

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

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

**NAME ASSIGNED TO NUCLEAR
POWER UNIT:** Joseph M. Farley Nuclear Plant
Unit 2

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

COMMERCIAL SERVICE DATE: 07/30/81

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

**NAME OF COMPONENTS OR PARTS OF
COMPONENTS INVOLVED:** Repair and replacement activities related to the
third ISI interval.

NAME OF AUTHORIZED NUCLEAR INSERVICE INSPECTOR: James Haubrich

**NAME AND MAILING ADDRESS
OF INSPECTOR'S EMPLOYER:** Hartford Steam Boiler Inspection and
Insurance Company of Connecticut
One State Street
Hartford, CT 06103

ABSTRACT: SEE TAB B

TAB B

Balance of Plant Examination Summary

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

INTRODUCTION

The ASME Boiler and Pressure Vessel Code, Section XI, 2001 Edition (Code), 2003 Addenda, is the applicable code for conducting inservice inspection activities during the fourth ten-year inspection interval at Farley Unit 2. Examinations and tests required by the Code are scheduled in accordance with "Inspection Program B" as defined in Code paragraphs IWB-2412 and IWC-2412. This "Owner's Report for Inservice Inspection" is for those first inspection period examinations and tests which were performed between May 17, 2007 (date of last examination performed during the eighteenth maintenance/refueling outage, 2R18 / 3-2-2) and November 20, 2008 (date of last examination performed during the nineteenth maintenance/refueling outage, 2R19 / 4-1-1). Farley received approval for FNP-ISI-ALT-01 to start the fourth ISI interval on December 1, 2007.

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

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

In addition to the summary of inservice inspection activities, this report addresses Code-applicable repairs and replacements documented at FNP-2 since 2R18 through the end of 2R19. Class 1 and Class 2 Owner's Reports for Repairs or Replacements (Form NIS-2) are provided herein.

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

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. There were no Steam Generator tube inspections performed during the 19th refueling outage.

RESULTS

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

SUMMARY OF INDICATIONS

CLASS 1

(A) VOLUMETRIC EXAMINATIONS

- There were no reportable Class 1 Volumetric indications.
- Eight (8) class 1 welds had limited volumetric coverage during UT examinations because of physical limitations due to the geometric configuration of the welded areas. More than ninety percent (90%) of the required volume must be examined as addressed in ASME Section XI Code Case N-460 for adequate ASME Section XI Code-required examination coverage to be attained. As noted herein, the subject code case has been approved by the NRC for use as documented in NRC Regulatory Guide 1.147. It is impractical to achieve the ASME Section XI Code-required coverage due to the geometric configuration of the welded areas. These limited examinations will be submitted to the NRC through the relief request process as allowed by 10 CFR 50.55a.

(B) SURFACE EXAMINATIONS

- There were no reportable Class 1 Surface indications.

(C) VISUAL EXAMINATIONS

- There were thirty eight (38) bolted connections from the Class 1 pressure tests with various degrees of boron accumulation. In each case the boron was removed and either an evaluation or a re-examination found each one acceptable.

CLASS 2

(A) VOLUMETRIC EXAMINATIONS

- There were no reportable Class 2 Volumetric indications.
- Eight (8) class 2 welds had limited volumetric coverage during UT examinations because of physical limitations due to the geometric configuration of the welded areas. As with the class 1 limitations, these limited examinations will be submitted to the NRC through the relief request process as allowed by 10 CFR 50.55a.

(B) SURFACE EXAMINATIONS

- There were no reportable Class 2 Surface indications.

(C) VISUAL EXAMINATIONS

- 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 19th refueling outage. In addition, to meet the requirements of IWB-5222(b), the boundary of this system leakage test was extended to include all Class 1 pressure retaining components with the exception of the auxiliary spray line which will be testing before the end of the current period. This testing was completed on 11/20/2008. There were fourteen (14) recorded indication of leakage. In each case, the boron was removed and necessary corrective actions were taken. The results of this testing is documented in FNP-2-STP-157 as Indication Evaluation Report 001 (IER 001).

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 was a total of total of twenty-four (24) pressure retaining bolted connections which had some degree of boron accumulation. In each case, the boron was removed and any necessary correction actions were taken. The results of this testing is also documented in FNP-2-STP-157 as Indication Evaluation Report 001 (IER 001).

- **Class 2 System Leakage Testing**

In accordance with IWC5210(a), system leakage testing was performed during the 19th refueling outage on portions of the following systems: Residual Heat Removal, Chemical and Volume Control, Safety Injection, Main Steam, Main Feedwater, Auxiliary Feedwater, and Containment Spray. There were forty (40) recorded indication associated with these tests. In each case, necessary corrective action was performed. The results of this testing is documented in FNP-2-STP-156.2.

- **IWE/IWL Examinations**

A portion of the Containment moisture barrier was replaced during the 19th refueling outage based on age related degradation described in IWE-3510.4. While the moisture barrier was removed, a visual examination was performed on the normally inaccessible portions of the containment liner plate and no indication of degradation was noted. This inspection is documented work order 2053128401

STATUS OF EXAMINATIONS REQUIRED FOR CURRENT INTERVAL

This 2R19 Outage was the 1st Outage, 1st Period of the 4th Interval. The results from this outage, combined with the "scheduled" examinations for the next refueling outage (2R20, Spring 2010) will represent 100% of the total Class 1 and 2 scope for the current period and interval. Farley Unit 2 is within ASME Code compliance, pending NRC approval of the volumetric and/or surface examination limitations. Requests for relief will be submitted within the required time frame specified by 10 CFR 50.55a. See Table 1 for completion percentages.

- **Applicable Code Cases**

The applicable Code Cases for the 2R19 Outage included:

N-460
N-663

N-695
N-696

Table 1 Farley Unit 2 2R19 Outage Completion Percentages							
Cat.	Item No.	Code Case	Population	Percent Of Population Required To Be Examined	Total Exams Required During 4 th Interval	2R19	
						No. of Exams Completed	% of Total Exams Completed
B-A	B1.11		3	100%	3	0	0%
B-A	B1.12		4	100%	4	0	0%
B-A	B1.21		1	100%	1	0	0%
B-A	B1.30		1	100%	1	0	0%
Total:			9		9	0	0%
B-B	B2.11		2	100%	2	1	50%
B-B	B2.12		2	100%	2	1	50%
B-B	B2.40		3	33.33%	1	0	0%
Total:			7		5	2	40%
B-D	B3.100		6	100%	6	0	0%
B-D	B3.110		6	100%	6	2	34%
B-D	B3.120		6	100%	6	2	34%
B-D	B3.140		6	100%	6	4	67%
B-D	B3.90		6	100%	6	0	0%
Total:			30		30	8	27%
B-F	B5.10		6	100%	6	3	50%
B-F	B5.40		5	100%	5	0	0%
B-F	B5.70		6	100%	6	4	67%
Total:			17		17	7	42%
B-G-1	B6.10		1	100%	1	0	0%
B-G-1	B6.180		3	33.33%	1	0	0%
B-G-1	B6.190		3	0%	0	0	0%

Table 1 Farley Unit 2 2R19 Outage Completion Percentages							
Cat.	Item No.	Code Case	Population	Percent Of Population Required To Be Examined	Total Exams Required During 4 th Interval	2R19	
						No. of Exams Completed	% of Total Exams Completed
B-G-1	B6.20		1	100%	1	0	0%
B-G-1	B6.40		1	100%	1	0	0%
B-G-1	B6.50		1	100%	1	0	0%
Total:			10		5	0	0%
B-G-2	B7.20		1	0%	0	0	0%
B-G-2	B7.30		6	0%	0	0	0%
B-G-2	B7.50		6	0%	0	0	0%
B-G-2	B7.60		3	33.33%	1	1	100%
B-G-2	B7.70		24	0%	0	0	0%
Total:			40		1	1	100%
B-J	B9.11		380	25%	95	7	8%
B-J	B9.21		56	25%	14	0	0%
B-J	B9.31		15	25%	4	0	0%
B-J	B9.32		19	25%	5	0	0%
B-J	B9.40		216	25%	54	0	0%
Total:			686		172	7	5%
B-K	B10.10		1	100%	1	1	100%
B-K	B10.10(R)	N-700	3	33.33%	1	0	0%
B-K	B10.20		12	12%	2	0	0%
Total:			16		4	1	25%

Table 1 Farley Unit 2 2R19 Outage Completion Percentages							
Cat.	Item No.	Code Case	Population	Percent Of Population Required To Be Examined	Total Exams Required During 4 th Interval	2R19	
						No. of Exams Completed	% of Total Exams Completed
B-L-2	B12.20		3	0%	0	0	0%
Total:			3		0	0	0%
B-M-2	B12.50(1)		4	0%	0	0	0%
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		0	0	0%
B-N-1	B13.10		1	100%	1	0	0%
Total:			1		1	0	0%
B-N-2	B13.60		4	100%	4	0	0%
Total:			4		4	0	0%
B-N-3	B13.70		1	100%	1	0	0%
Total:			1		1	0	0%
B-O	B14.10		38	18.3%	7	0	0%
Total:			38		7	0	0%
C-A	C1.20		3	33.33%	1	1	100%
C-A	C1.30		3	33.33%	1	0	0%
Total:			6		2	1	50%

Table 1 Farley Unit 2 2R19 Outage Completion Percentages							
Cat.	Item No.	Code Case	Population	Percent Of Population Required To Be Examined	Total Exams Required During 4 th Interval	2R19	
						No. of Exams Completed	% of Total Exams Completed
C-B	C2.21		3	33.33%	1	0	0%
C-B	C2.22		3	33.33%	1	0	0%
Total:			6		2	0	0%
C-C	C3.10		6	16.666%	1	1	100%
C-C	C3.20		137	10.1%	14	0	0%
C-C	C3.30		24	10%	3	0	0%
Total:			167		18	1	6%
C-F-1	C5.11		865	7.5%	65	16	25%
C-F-1	C5.21		409	7.5%	31	0	0%
C-F-1	C5.30		260	7.5%	20	0	0%
C-F-1	C5.41		20	7.5%	2	0	0%
Total:			1554		118	16	14%
C-F-2	C5.51		184	7.5%	14	0	0%
C-F-2	C5.81		4	7.5%	1	0	0%
Total:			188		15	0	0%
D-A	D1.10		9	44.444%	4	0	0%
D-A	D1.20		201	10.8%	22	0	0%
Total:			210		26	0	0%

Table 1 Farley Unit 2 2R19 Outage Completion Percentages							
Cat.	Item No.	Code Case	Population	Percent Of Population Required To Be Examined	Total Exams Required During 4 th Interval	2R19	
						No. of Exams Completed	% of Total Exams Completed
F-A	F1.10		168	26.78%	45	0	0%
F-A	F1.10S		48	0%	0	0	0%
F-A	F1.20		439	16.62%	73	0	0%
F-A	F1.20S		28	0%	0	0	0%
F-A	F1.30		734	10.62%	78	0	0%
F-A	F1.30S		18	0%	0	0	0%
F-A	F1.40		84	0%	0	0	0%
Total:			1519		196	0	0%

APR
SUMMARY OF RECORDED INDICATIONS
2008 UNIT 2RF19

[illegible]

TAB C

Examination Program Plan

Farley Unit 2 Class 1 Components						
ASME Section XI	Examination/Area	Examination Procedure(s)	Cal Block(s)	Exam/Cal Sheet No(s).	Results	Remarks
N-722 B15.80	APR1-1100C-BMI-BMV RPV BOTTOM HEAD INSTRUMENT BMV	NMP-ES-024-208	NA	S08F2V012	Accept	NA
EA03009 SV	APR1-1300-ABOVE-CH-R-SV REPLACEMENT RPV CLOSURE HEAD OUTSIDE SURFACE	NMP-ES-024-202	NA	S08F2V030	Accept	Opened doors 1, 4, 6 & 10 for examination with insulation installed.
B-B B2.12	APR1-2100-3 PRZ UPPER SHELL LONG SEAM	NMP-ES-024-516	APR-7	S08F2U015 S08F2U016 S08F2U017	NRI NRI NRI	NA
B-B B2.11	APR1-2100-7 PRZ UPPER SHELL TO TOP HD.	NMP-ES-024-516	APR-7	S08F2U018 S08F2U019 S08F2U020 S08F2U021 S08F2U022 S08F2U023	NRI NRI NRI NRI NRI NRI	NA
B-K B10.10	APR1-2100-8 PRZ SUPPORT SKIRT TO BTM. HD.	NMP-ES-024-401	NA	S08F2M003	NRI	NA
B-D B3.110	APR1-2100-13 PRZ UPPER HD. TO NOZZLE WELD	NMP-ES-024-401 NMP-ES-024-516	APR-7	S08F2M001 S08F2U024 S08F2U025 S08F2U026	NRI NRI NRI NRI	75% Code Coverage. Relief request required.
B-D B3.120	APR1-2100-13IR PRZ NOZ-INSIDE RADIUS	NMP-ES-024-513	ALA-38 APR-7	S08F2U013 S08F2U014	NRI NRI	NA
B-D B3.110	APR1-2100-14 PRZ LOWER HD. TO NOZZLE WELD	NMP-ES-024-401 NMP-ES-024-516	APR-7	S08F2M004 S08F2U001 S08F2U008 S08F2U009	NRI NRI NRI NRI	60% Code Coverage. Relief request required.
B-D B3.120	APR1-2100-14IR PRZ SURGE NOZZLE INSIDE RADIUS	NMP-ES-024-513	ALA-38 APR-7	S08F2U003 S08F2U004	NRI NRI	NA
B-D B3.140	APR1-3100-IR1R STM GEN NOZ IN RADIUS (HOT LEG)	NMP-ES-024-513	ALA-54 ALA-55	S08F2U039 S08F2U040 S08F2U041	NRI NRI NRI	NA
B-D B3.140	APR1-3100-IR2R STM GEN NOZ IN RADIUS (CROSS OVER)	NMP-ES-024-513	ALA-54 ALA-55	S08F2U042 S08F2U043 S08F2U044	NRI NRI NRI	NA

Farley Unit 2 Class 1 Components						
ASME Section XI	Examination/Area	Examination Procedure(s)	Cal Block(s)	Exam/Cal Sheet No(s).	Results	Remarks
B-D B3.140	APR1-3300-IR1R STM GEN NOZ IN RADIUS (CROSS OVER)	NMP-ES-024-513	ALA-54 ALA-55	S08F2U057 S08F2U058 S08F2U059	NRI NRI NRI	NA
B-D B3.140	APR1-3300-IR2R STM GEN NOZ IN RADIUS (CROSS OVER)	NMP-ES-024-513	ALA-54 ALA-55	S08F2U060 S08F2U061 S08F2U062	NRI NRI NRI	NA
B-F B5.10	APR1-4100-1DM RPV HOT LEG NOZZLE TO SAFE-END	PDI-ISI-254-SE-NB	--	See Westinghouse Report	NRI	NA
B-J B9.11	APR1-4100-2 SAFE-END TO PIPE	PDI-ISI-254-SE-NB	--	See Westinghouse Report	NRI	NA
B-F B5.70	APR1-4100-25RDM SG SAFE-END TO NOZZLE	NMP-ES-024-507	ALA/APR-33 ALA-RV-7 ALA-62	S08F2U027 S08F2U028 S08F2U029 S08F2U030 S08F2U031 S08F2U032	NRI NRI NRI NRI NRI NRI	52.1% Code Coverage. Relief request required.
B-F B5.70	APR1-4100-26RDM SG NOZZLE TO SAFE-END	NMP-ES-024-507	ALA/APR-33 ALA-RV-7 ALA-62	S08F2U033 S08F2U034 S08F2U035 S08F2U036 S08F2U037 S08F2U038	NRI NRI NRI NRI NRI NRI	52.1% Code Coverage. Relief request required.
B-J B9.11	APR1-4101-5 ELBOW TO PIPE	NMP-ES-024-501	ALA-3 ALA-67	S08F2U010 S08F2U011	NRI NRI	Examined weld per RI ISI requirements & base metal per Fig. 2-12 of MRP-146.
B-J B9.11	APR1-4103-33 PIPE TO ELBOW	NMP-ES-024-501	APR-1 ALA-67	S08F2U077	NRI	50% Code Coverage. Relief request required. Examined weld per RI ISI requirements & base metal per Fig. 2-12 of MRP-146.
B-J B9.11	APR1-4104-32 PIPE TO ELBOW	NMP-ES-024-501	APR-1 ALA-67	S08F2U005 S08F2U006	NRI NRI	Examined weld per RI ISI requirements & base metal per Fig. 2-12 of MRP-146.

Farley Unit 2 Class 1 Components						
ASME Section XI	Examination/Area	Examination Procedure(s)	Cal Block(s)	Exam/Cal Sheet No(s).	Results	Remarks
B-F B5.10	APR1-4200-1DM RPV HOT LEG NOZZLE TO SAFE-END	PDI-ISI-254-SE-NB	--	See Westinghouse Report	NRI	NA
B-J B9.11	APR1-4200-2 SAFE-END TO PIPE	PDI-ISI-254-SE-NB	--	See Westinghouse Report	NRI	NA
N-722 B15.150	APR1-4205-49DM-BMV PRZ SPRAY SAFE END BMV	NMP-ES-024-202	NA	S08F2V017	Accept	NA
B-F B5.10	APR1-4300-1DM RPV HOT LEG NOZZLE TO SAFE-END	PDI-ISI-254-SE-NB	--	See Westinghouse Report	NRI	NA
B-J B9.11	APR1-4300-2 SAFE-END TO PIPE	PDI-ISI-254-SE-NB	--	See Westinghouse Report	NRI	NA
B-F B5.70	APR1-4300-24RDM SG SAFE-END TO NOZZLE	NMP-ES-024-507	ALA/APR-33 ALA-RV-7 ALA-62	S08F2U051 S08F2U052 S08F2U053 S08F2U054 S08F2U055 S08F2U056	NRI NRI NRI NRI NRI NRI	52.1% Code Coverage. Relief request required.
B-J B9.11	APR1-4500-1 BRANCH CONNECTION TO PIPE	NMP-ES-024-501	ALA-2 ALA-67	S08F2U073 S08F2U075 S08F2U076	NRI NRI NRI	45.5% Code Coverage. Relief request required.
N-722 B15.160	APR1-4501-1DM-BMV PRZ SAFETY SAFE END BMV	NMP-ES-024-202	NA	S08F2V019	Accept	NA
N-722 B15.160	APR1-4502-1DM-BMV PRZ SAFETY SAFE END BMV	NMP-ES-024-202	NA	S08F2V020	Accept	NA
N-722 B15.160	APR1-4503-1DM-BMV PRZ SAFETY SAFE END BMV	NMP-ES-024-202	NA	S08F2V021	Accept	NA
N-722 B15.160	APR1-4504-1DM-BMV PRZ SAFETY SAFE END BMV	NMP-ES-024-202	NA	S08F2V022	Accept	NA

Farley Unit 2 Class 1 Components						
ASME Section XI	Examination/Area	Examination Procedure(s)	Cal Block(s)	Exam/Cal Sheet No(s).	Results	Remarks
B-F B5.70	APR1-4300-23RDM SG SAFE-END TO NOZZLE	NMP-ES-024-507	ALA/APR-33 ALA-RV-7 ALA-62	S08F2U045 S08F2U046 S08F2U047 S08F2U048 S08F2U049 S08F2U050	NRI NRI NRI NRI NRI NRI	52.1% Code Coverage. Relief request required.
B-G-2 B7.60	APR1-5100-B25 thru B36 R.C. PUMP SEAL HOUSING BOLTING	NMP-ES-024-201	NA	S08F2V032	SAT	NA
B-G-2 B7.60	APR1-5300-B25 thru B36 R.C. PUMP SEAL HOUSING BOLTING	NMP-ES-024-201	NA	S08F2V038	SAT	NA

Farley Unit 2
Class 2 Components

ASME Section XI	Examination/Area	Examination Procedure(s)	Cal Block(s)	Exam/Cal Sheet No(s).	Results	Remarks
C-A C1.30	APR2-3100-2R LOWER SHELL BARREL A / UPPER TUBESHEET	NMP-ES-024-516	ALA-56 ALA-65	S08F2U067 S08F2U068 S08F2U069	NRI NRI NRI	NA
C-A C1.20	APR2-3100-6R ELLIPTICAL HEAD / UPPER SHELL	NMP-ES-024-516	ALA-58	S08F2U078	NRI	NA
C-C C3.10	APR2-3100-10R TRUNION 1	NMP-ES-024-301	NA	S08F2P001	NRI	
C-F-1 C5.11 MRP-192	APR2-4502-6-OE-UT FROM 3" BC TO REDUCER	NMP-ES-024-501	ALA-67	S08F2U084	NRI	NA
C-F-1 C5.11 MRP-192	APR2-4502-7-OE-UT FROM 3" BC TO REDUCER	NMP-ES-024-501	ALA-67	S08F2U084	NRI	NA
C-F-1 C5.11 MRP-192	APR2-4503-27-OE-UT FROM 2" BC TO VALVE QV-032A	NMP-ES-024-501	ALA-67	S08F2U071	NRI	50% Code Coverage. Relief request required.
C-F-1 C5.11 MRP-192	APR2-4503-28-OE-UT FROM 2" BC TO VALVE QV-032A	NMP-ES-024-501	ALA-67	S08F2U071	NRI	50% Code Coverage. Relief request required.
C-F-1 C5.11 MRP-192	APR2-4503-36-OE-UT APR2-4503-36 & 33" DOWNSTREAM	NMP-ES-024-501	ALA-67	S08F2U081	NRI	NA
C-F-1 C5.11	APR2-4504-1 TEE TO PIPE & BASE METAL	NMP-ES-024-501	ALA-67	S08F2U083	NRI	Examined per MRP-192.
C-F-1 C5.11 MRP-192	APR2-4504-8-OE-UT FROM 3" BC TO VALVE QV-038A	NMP-ES-024-501	ALA-67	S08F2U072	NRI	50% Code Coverage. Relief request required.
C-F-1 C5.11 MRP-192	APR2-4504-9-OE-UT FROM 3" BC TO VALVE QV-038A	NMP-ES-024-501	ALA-67	S08F2U072	NRI	50% Code Coverage. Relief request required.
C-F-1 C5.11 MRP-192	APR2-4506A-16-OE-UT FROM 3" BC TO REDUCER	NMP-ES-024-501	ALA-67	S08F2U082	NRI	NA
C-F-1 C5.11 MRP-192	APR2-4507-29-OE-UT FROM 2" BC THRU VALVE QV-032B TO REDUCER	NMP-ES-024-501	ALA-67	S08F2U070	NRI	50% Code Coverage. Relief request required.

**Farley Unit 2
Class 2 Components**

ASME Section XI	Examination/Area	Examination Procedure(s)	Cal Block(s)	Exam/Cal Sheet No(s)	Results	Remarks
C-F-1 C5.11 MRP-192	APR2-4507-30-OE-UT FROM 2" BC THRU VALVE QV-032B TO REDUCER	NMP-ES-024-501	ALA-67	S08F2U070	NRI	50% Code Coverage. Relief request required.
C-F-1 C5.11 MRP-192	APR2-4507-31-OE-UT FROM 2" BC THRU VALVE QV-032B TO REDUCER	NMP-ES-024-501	ALA-67	S08F2U070	NRI	NA
C-F-1 C5.11 MRP-192	APR2-4507-38-OE-UT APR2-4507-38 & 33" DOWNSTREAM	NMP-ES-024-501	ALA-67	S08F2U074	NRI	NA
C-F-1 C5.11	APR2-4508-1 TEE TO PIPE & BASE METAL	NMP-ES-024-501	ALA-67	S08F2U079	NRI	Examined per MRP-192.
C-F-1 C5.11 MRP-192	APR2-4508-9-OE-UT FROM 3" BC TO VALVE QV-038B	NMP-ES-024-501	ALA-67	S08F2U080	NRI	50% Code Coverage. Relief request required.
C-F-1 C5.11 MRP-192	APR2-4508-10-OE-UT FROM 3" BC TO VALVE QV-038B	NMP-ES-024-501	ALA-67	S08F2U080	NRI	50% Code Coverage. Relief request required.

TAB D

**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-2 since the last maintenance/refueling outage (2R18) through the completion of the nineteenth maintenance/refueling outage (2R19). 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-2 are included in this report document. Any attachments, e.g., code data reports, etc., referenced in the NIS-2 reports will be made available for review upon request at the plant site.

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

Applicable to Section XI 1989 Edition:

E212072824201
P162070973701

Applicable to Section XI 2001 Edition 2003 Addenda:

B132062742601	N112072623201	P162080117001
B132070793001	N122062741701	P162080117101
E112072095501	N122062746401	P162080117201
E112072667402	N122071367201	P162080117401
E112072667403	N122080689401	P162080117501
E132072667404	N232072960701	P162080117601
E132072667405	N232082093101	P162080117701
E13M400409601	N232082197102	P162080117801
E212061990801	N23DCP207155950-01	P162080117901
E212070139901	N23DCP2071559501-02	P162080118001
E212071066201	P112082087401	P162080118101
E212071236502	P162050687101	P162080118201
E212071857201	P162050697901	P162080437801
E21DCP2050912001-01	P162070991001	P162082128801
E21DCP2081834801-01	P162071923501	P16DCP2072206801-01
G242062746301	P162080116801	
N112071565702	P162080116901	

Form NIS-2 Owner's Report for Repairs or Replacements

RType : L1.52

As required by the provisions of the ASME Code Section XI

Job Number E21 - 2072824201	Sheet 1 of 2
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1. Owner Southern Nuclear Operating Company 40 Inverness Center Parkway Birmingham, Alabama 35242 (as agent for Alabama Power Company)	2. Plant Farley Nuclear Plant Highway 95 South Columbia, Alabama 36319	Unit FNP 2
		Date November 28, 2007

3. Work performed by Name : <u>Southern Nuclear Operating Company Maintenance Department</u> Address : <u>Joseph M. Farley Nuclear Plant</u>	Type Code Symbol Stamp N/A
	Authorization Number N/A
	Expiration Date N/A

4. Identification of System Charging System, Class 2

5.	(a) Applicable Construction Code: <u>ASME Section III,</u>	19	<u>71</u>	Edition	<u>Summer 1971</u>	Addenda,	<u>N/A</u>	Code Case
	(b) Applicable Section XI Utilized For Repairs Or Replacements,	19	<u>89</u>	Edition	<u>N/A</u>	Addenda,	<u>N/A</u>	Code Case

6. Identification of Components Repaired or Replaced and Replacement Components:							
Name of Component	Name of Manufacturer	Manufacturer Serial Number	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes / No)
Valve Disc	Velan	7831	N/A	PO: QP040709	2004	Replaced	Yes
Valve Disc	Velan	7827	N/A	PO: QP040709	2004	Replacement	Yes

7. Description of Work Replaced disc in valve Q2E21V0122C (old disc was leaking by).

8. Test Conducted <input type="checkbox"/> Hydrostatic <input type="checkbox"/> Pneumatic <input checked="" type="checkbox"/> Normal Operating Pressure <input type="checkbox"/> None <input type="checkbox"/> Other Pressure _____ PSI Temperature _____ °F

Form NIS-2 Owner's Report for Repairs or Replacements

RType : L1.52

As required by the provisions of the ASME Code Section XI

Job Number

E21 - 2072824201

Sheet 2 of 2

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

Reference Transaction Number 126511 for issuance of new part..

Certificate of Compliance

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

Type Code Symbol Stamp _____ N/A

Certificate of Authorization Number _____ N/A Expiration Date _____ N/A

Signed Lon Jyle Maintenance Manager Date 1/27/09
Owner or Owner's Designee, Title

Certificate of Inservice Inspection

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of GEORGIA and employed by HISB CT of HARTFORD, CT have inspected the components described in this Owner's Report during the period 11/21/07 to 1/27/09, 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 loss of any kind arising from or connected with this inspection.

[Signature]
Inspector's Signature

Commissions

GA 827 PIN

National Board, State, Province, and Endorsements

Date

1/27/09

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

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

PAGE 3 Pg. 1 of 2

1. Manufactured and certified by VELAN INC., 2125 WARD AVE., MONTREAL, QUEBEC, CANADA H4M 1T6
(name and address of NPT Certificate holder)
2. Manufactured for ALABAMA POWER COMPANY C/O SOUTHERN NUCLEAR O/P BOX 1295 BIRMINGHAM AL 35201 USA
(name and address of Purchaser)
3. Location of installation FARLEY NUCLEAR PLANT HIGHWAY 95 SOUTH COLUMBIA AL 36319 USA
(name and address)
4. Type: 78431 REV.C SA-182 F316 75,000 PSI N/A 2004
(drawing no.) (mat'l spec. no.) (tensile strength) (CRN) (year built)
5. ASME Code, Section III, Division 1: 1971 SUMMER-1971 1 N/A
(edition) (addenda date) (class) (Code Case no.)
6. Fabricated in accordance with Const. Spec. (Div. 2 only) N/A Revision N/A Date N/A
(no.)
7. Remarks: DISCS HEAT NUMBER: 74244 Test No. 60139 (H/F: ALLOY-40)
SPARE PART FOR 3" - 1500# BOLTED COVER STAINLESS STEEL SWING CHECK VALVE; WID: 3C88

8. Nom. thickness (in.) N/A Min. design thickness (in.) N/A Dia. ID (ft & in.) N/A Length overall (ft & in.) N/A

9. When applicable, Certificate Holders' Data Reports are attached for each item of this report:

Part or appurtenance Serial Number	National Board No. in Numerical Order
(1) DISC SN: 7827	N/A
(2) DISC SN: 7830	N/A
(3) DISC SN: 7831	N/A
(4)	
(5)	
(6)	
(7)	
(8)	
(9)	
(10)	
(11)	
(12)	
(13)	
(14)	
(15)	
(16)	
(17)	
(18)	
(19)	
(20)	
(21)	
(22)	
(23)	
(24)	
(25)	

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

10. Design pressure N/A psi. Temp. N/A °F. Hydro test pressure N/A at temp. °F
Operating Condition: 2500 at 650 F

*Supplemental information in the form of lists, sketches, or drawings may be used provided (1) size is 8½ x 11, (2) information in items 2 and 3 on this Data Report is included on each sheet, (3) each sheet is numbered and the number of sheets is recorded at the top of this form.

Certificate Holder's Serial Nos. 7827,7830 through 783

CERTIFICATION OF DESIGN

S-042082Design specifications certified by N/A P.E.State N/A Reg.no N/A
(when applicable)Design report* certified by 8 N/A P.E.State N/A Reg.no N/A
(when applicable)PAGE 4

CERTIFICATE OF COMPLIANCE

We certify that the statements made in this report are correct and that this (these) 3"-1500# SWING CHECK VALVE DISCS conforms to the rules of construction of the ASME Code, Section III, Division 1.NPT Certificate of Authorization No. N-2798-2 Expires APRIL 20, 2007Date 8 NOV. 2004 Name VELAN INC.
(NPT Certificate Holder)Signed [Signature]
(Authorized Representative)

CERTIFICATE OF INSPECTION

I, the undersigned, holding a valid commission issued by the National Board and Pressure Vessel Inspectors and the State or Province of Quebec and employed by REGIE DU BATIMENT DU QUEBECof Quebec have inspected these items described in this Data Report on November 10/2004 and state that to the best of my knowledge and belief, the Certificate Holder has fabricated these parts or appurtenances in accordance with the ASME Code, Section III, Division 1. Each part listed has been authorized for stamping on the date shown above.

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

J.-P.FACHINETTI QC # 13813Date Nov. 10/2004 Signed [Signature]
(Authorized Inspector)Commissions REGIE DU BATIMENT DU QUEBEC
(Natl. Bd. (incl. endorsements) and state or prov. and no.)

(Y)

Form NIS-2 Owner's Report for Repairs or Replacements

RType : L1.52

As required by the provisions of the ASME Code Section XI

Job Number	Sheet 1 of 2
P16 - 2070973701	

1. Owner Southern Nuclear Operating Company 40 Inverness Center Parkway Birmingham, Alabama 35242 (as agent for Alabama Power Company)	2. Plant Farley Nuclear Plant Highway 95 South Columbia, Alabama 36319	Unit
		FNP 2
		Date
		September 21, 2007

3. Work performed by Name : <u>Southern Nuclear Operating Company Maintenance Department</u> Address : <u>Joseph M. Farley Nuclear Plant</u>	Type Code Symbol Stamp
	N/A
	Authorization Number
	N/A
	Expiration Date
	N/A

4. Identification of System
Service Water, <u>Class 3</u>

5.
(a) Applicable Construction Code: <u>ASME Section III,</u> 19 <u>71</u> Edition <u>Winter 1971</u> Addenda, <u>1555</u> Code Case
(b) Applicable Section XI Utilized For Repairs Or Replacements, 19 <u>89</u> Edition <u>N/A</u> Addenda, <u>N/A</u> Code Case

6. Identification of Components Repaired or Replaced and Replacement Components:							
Name of Component	Name of Manufacturer	Manufacturer Serial Number	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes / No)
Relief Valve	J.E. Lonergan Co.	210289-16-4	N/A	PO: FNP-51	1978	Replaced	Yes
Studs	Texas Bolt Col	HT # RR27	N/A	PO: 7047-Q-62015	1973	Replaced	No
Nuts	Texas Bolt Co.	HT # RR63	N/A	PO: 7047-Q-62015	1973	Replaced	No
Relief Valve	Crosby	N99904-00-0002	N/A	PO: QP050509	2006	Replacement	Yes
Studs	Mackson	HT # 128160	N/A	PO: QP040803	2006	Replacement	No
Nuts	Nova	HT # B87035	N/A	PO: QP060302	2006	Replacement	No

7. Description of Work
Replaced relief valve Q2P16V0006A (CCW heat exchanger 2A tube-side relief valve) and all mounting studs/nuts. The old valve was leaking by the seat.

8. Test Conducted
<input type="checkbox"/> Hydrostatic <input type="checkbox"/> Pneumatic <input checked="" type="checkbox"/> Normal Operating Pressure <input type="checkbox"/> None <input type="checkbox"/> Other
Pressure _____ PSI Temperature _____ °F

Form NIS-2 Owner's Report for Repairs or Replacements

RType : L1.52

As required by the provisions of the ASME Code Section XI

Job Number

P16 - 2070973701

Sheet 2 of 2

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

Reference Transaction Number 117042 for issuance of new valve and 120972 for issuance of new hardware.

Certificate of Compliance

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

Type Code Symbol Stamp N/A

Certificate of Authorization Number N/A Expiration Date N/A

Signed PO2 Asia D. Jenkins for Maintenance Manager Date
Owner or Owner's Designee, Title

Certificate of Inservice Inspection

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of GEORGIA and employed by MSB CT of HARTFORD CT have inspected the components described in this Owner's Report during the period 9/06/07 to 9/06/07 1/13/09, 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 loss of any kind arising from or connected with this inspection.

[Signature]
Inspector's Signature

Commissions

GA 827 AIN

National Board, State, Province, and Endorsements

Date

1/13/09

FORM NV-1 FOR SAFETY AND SAFETY RELIEF VALVES

As required by the Provisions of the ASME Code Rules

DATA REPORT

1. Manufactured By Anderson Greenwood Crosby, 43 Kendrick St., Wrentham, MA 02093
Name and Address
Model No. 9721851E Order No. U944270000 Contract Date 07/27/05 National Board No. ---

2. Manufactured For ALABAMA POWER COMPANY Order No. QP050509/001
Name and Address

3. Owner ALABAMA POWER COMPANY
Name and Address

4. Location of Plant FARLEY NUCLEAR PLANT

5. Valve Identification 163630F Serial No. N99904-00-0002 Drawing No. DS-C-99904 REV. A
Type SAFETY RELIEF Orifice Size 0.529 Pipe Size --- Inlet 1.5 Outlet 2
Safety, Safety Relief, Pilot, Power Actuated Inch Inch Inch
6. Set Pressure (PSIG) 154 105 ° F
Rated Temperature
Stamped Capacity 71 GPM WATER @ 70 DEG.F @ 10% % Overpressure -- Blowdown (psig) 20%
Hydrostatic Test (PSIG) Inlet 425 Complete Valve 100

7. The material, design, construction and workmanship comply with ASME Code, Section III.
Class 2 Edition 1974 Addenda Date SUMMER 1975 Case No. N/A

Pressure Containing or Pressure Retaining Components

	Serial No. Identification	Material Specification Including Type or Grade
a. Castings		
Body		
Bonnet		
b. Bar Stock and Forgings		
Support Rods	<u>---</u>	<u>---</u>
Nozzle		
Disc	<u>N99915-NGUD</u> <u>N96444-70-0415</u>	<u>ASME SA479 TYPE 316</u>
Spring Washers	<u>N96444-70-0417</u>	<u>ASME SA193 GR. B6</u>
Adjusting Bolt	<u>N96388-68-0311</u>	<u>ASME SA193 GR. B6</u>
Spindle	<u>N96386-67-0221</u>	<u>ASME SA193 GR. B6</u>

	Serial No. Identification	Material Specification Including Type or Grade
c. Spring	NX5484-0085	ASTM A313 TYPE 316
d. Bolting	---	---
e. Other Parts such as Pilot Components		
Base	N99913-33-0005	ASME SA479 TYPE 316
Lap Joint Stub End	N99865-33-0005	ASME SA182 GR. F316
Lap Joint Flange	N96442-43-0028	ASME SA182 GR. F316
Cylinder	N99914-34-0010	ASME SA351 GR. CF8M
Weld Neck Flange	N99866-33-0006	ASME SA182 GR. F316

We certify that the statements made in this report are correct.

Date 22-DEC 2005 Signed Anderson Greenwood Crosby By D. E. TWA
Wrentham, MA
 Manufacturer

Certificate of Authorization No. N-1878 Expires 30-Sep-07
 Date

CERTIFICATE OF SHOP INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of MA and employed by

HSB - CT

have inspected the equipment described in this Data Report on

12-21-2005 and state that to the best of my knowledge and belief, the Manufacturer has constructed this equipment in accordance with the applicable Subsections of ASME Section III.

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

Date JAN 12, 2006
12/12/06
[Signature] Commissions MA-1420 A, N, I
 (Inspector) (National Board, State, Province and No.)

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 Nov. 3rd 2008
Name
40 Inverness Center Parkway
Birmingham, AL 35242
Address
2. Plant Farley Nuclear Plant Unit FNP 2
Name
Highway 95 South Columbia, AL 36319
Address
B13 -2062742601
Repair/Replacement Organization P.O. No., Job No., etc.
3. Work Performed by SNC Maintenance dept Type Code Symbol Stamp N/A
Name Authorization No. N/A
Joseph M. Farley Nuclear Plant Expiration Date N/A
Address
4. Identification of System REACTOR COOLANT SYSTEM, CLASS 1
5. (a) Applicable Construction Code SEE NOTE Edition, Addenda, Code Case
(b) Applicable Edition of Section XI Used for Repair/Replacement Activity 2001 EDITION W/2003 ADDENDA
(c) Applicable Section XI Code Case(s)
6. Identification Of Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Corrected, Removed, or Installed	ASME Code Stamped (Yes or No)
MECHANICAL SNUBBER	PACIFIC SCIENTIFIC	319	NA	FNP-222	1977	REMOVED	No
HYDRAULIC SNUBBER	LISEGA	03615185/24	NA	QP070079	2007	INSTALLED	No

7. Description of Work REPLACEMENT SNUBBER RCR-147B WAS REPLACED DUE TO A SCHEDULED UPGRADE:
REFERENCE TRANSACTION # 141144 VT-3 WAS PERFORMED AFTER SNUBBER WAS INSTALLED
8. Test Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☐ Exempt ☒
Other ☐ Pressure psi Test Temp. °F

FORM NIS-2 (Back)

9. Remarks SUPPORTS DESIGNED TO AISC-1969 AND WELDED TO AWS D1.1-86.

Applicable Manufacturer's Data Reports to be attached

REFERENCE EQUIVALENCY DETERMINATION PDE S 96 0 0225

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 602 ASIA O JERKINS MAINT. TEAM LEADER Date 1/2/09
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the state or Province of GEORGIA and employed by HSB CT of HARTFORD, CT have inspected the components described in this Owner's Report during the period 9/30/08 to 1/13/09, 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 GA 827 AIN
Inspector's Signature National Board, State, Province and Endorsements

Date 1/13/09

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

As Required by the Provisions of the ASME Code, Section XI

1. Owner: Southern Nuclear Operating Co. Date: November 5, 2008
40 Inverness Center Parkway; Birmingham, AL 35242
Name
Address
2. Plant: Joseph M. Farley Nuclear Plant (FNP) Unit: FNP Unit 2
7388 North State Hwy 95; Columbia, AL 36319
Name
Address
3. Work Performed By: FNP Maintenance Department Work Order No.: B13 - 2070793001
7388 North State Hwy 95; Columbia, AL 36319 Repair/Replacement Organization PO No, Job No, etc.
Name Type Code Symbol Stamp: N/A
Address Authorization No.: N/A
Expiration Date: N/A
4. Identification of System: TPNS: Q2B13V077A (PRZR Spray PCV-444C Inlet Line Drain Isolation Valve)
5. (a) Applicable Construction Code: Section III, 1971 Edition, Winter 1971 * Addenda, N/A Code Case
Year
(b) Applicable Edition of Section XI Used for Repair/Replacement Activity: 2001 Addenda: 2003
Year
(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	Kerotest	9915-9-(1)	N/A	PO: FNP2-55	1975	Removed	Yes **
Disc	Flowserve	30326-4-1 ***	N/A	PO: QP080274	2008	Installed	Yes

7. Description of Work: Replaced disc in valve Q2B13V077A.
8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☐ Exempt ☒
Other ☐ Pressure: _____ psi Test Temp.: _____ °F

NOTE: Supplemental sheets in 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 number of sheets is recorded at the top of this form.

FORM NIS-2 (Back)

9. Remarks * Applicable Construction Code: ASME Section III, 1971 Ed., Winter 1971 Add. and Para. NB6111.1(c) of Winter 1972 Add.

Applicable Manufacturer's Data Reports to be attached

** Disc was stamped as a part of the complete valve assembly (valve serial number SXD1-14).

*** Note that the disc serial number may only be viewed by disassembling the complete disc assembly.

Reference Transaction Number 140756 for issuance of new disc.

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp: _____ N/A

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

Signed: Asia O. Jerkins Asia O. Jerkins, Maintenance Team Leader Date: 12/15/08
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of GEORGIA and employed by HSB CT of HARTFORD, CT have inspected the components described in this Owner's Report during the period 11/03/08 to 1/13/09 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: GA 827 AIN
Inspector's Signature National Board, State, Province, and Endorsements

Date: 1/13/09

**FORM N-2 CERTIFICATE HOLDERS' DATA REPORT FOR IDENTICAL
NUCLEAR PARTS AND APPURTENANCES***
As Required by the Provisions of the ASME Code, Section III
Not to Exceed One Day's Production

Pg. 1 of 2

1. Manufactured and certified by Flowserve Corporation 1900 S. Saunders St. Raleigh, NC 27603
(name and address of NPT Certificate Holder)
2. Manufactured for ALABAMA POWER COMPANY/ PO BOX 2641/ BIRMINGHAM, AL 35291 USA
(name and address of purchaser)
3. Location of installation ALABAMA POWER COMPANY/ FARLEY NUCLEAR PLANT/ COLUMBIA AL 36319
(name and address)
4. Type 72517543 R/G SA479-316 N/A N/A 2008
(drawing no.) (mat'l. spec. no.) (tensile strength) (ICRN) (year built)
5. ASME Code, Section III, Division 1: 1971 WINTER, 1971 1 N/A
(edition) (addenda date) (class) (Code Case no.)
6. Fabricated in accordance with Const. Spec. (Div. 2 only) N/A Revision N/A Date N/A
(no.)
7. Remarks: Disc for 3/4" 1500 Y-TYPE GLOBE VALVE
8. Nom. thickness (in.) N/A Min. design thickness (in.) Per #4 Dia. ID (ft & in.) N/A Length overall (ft & in.) N/A
9. When applicable, Certificate Holders' Data Reports are attached for each item of this report:

Part or Appurtenance Serial Number	National Board No. in Numerical Order	Part or Appurtenance Serial Number	National Board No. in Numerical Order
(1) 30326-4-1	N/A	(26)	
(2) 30326-4-2	N/A	(27)	
(3) 30326-4-3	N/A	(28)	
(4) 30326-4-4	N/A	(29)	
(5) 30326-4-5	N/A	(30)	
(6) 30326-4-6	N/A	(31)	
(7) 30326-4-7	N/A	(32)	
(8) 30326-4-8	N/A	(33)	
(9) 30326-4-9	N/A	(34)	
(10) 30326-4-10	N/A	(35)	
(11) 30326-4-11	N/A	(36)	
(12) 30326-4-12	N/A	(37)	
(13) 30326-4-13	N/A	(38)	
(14) 30326-4-14	N/A	(39)	
(15) 30326-4-15	N/A	(40)	
(16) 30326-4-16	N/A	(41)	
(17) 30326-4-17	N/A	(42)	
(18)		(43)	
(19)		(44)	
(20)		(45)	
(21)		(46)	
(22)		(47)	
(23)		(48)	
(24)		(49)	
(25)		(50)	

10. Design pressure _____ psi. Temp. _____ °F. Hydro. test pressure _____ at temp. °F
(when applicable)

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

Certificate Holder's Serial Nos. 30326-4-1 through 30326-4-17

CERTIFICATION OF DESIGN

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

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

CERTIFICATE OF COMPLIANCE

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

N-1563

NPT Certificate of Authorization No. _____ Expires 11-26-09

Date 8/26/08 Name Flowserve Corporation Signed [Signature]
(NPT Certificate Holder) (Authorized representative)

CERTIFICATE OF INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province
of NC and employed by HSB CT
of Hartford, CT have inspected these items described in this Data Report on 8/27/08, and state that to the
best of my knowledge and belief, the Certificate Holder has fabricated these parts or appurtenances in accordance with the ASME Code, Section
III, Division 1. Each part listed has been authorized for stamping on the date shown above.

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

Date 8/27/08 Signed [Signature] Commissions NC1579
(Authorized Nuclear Inspector) (Nat'l. Bd. (incl. endorsements) and state or prov. and no.)

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

As Required by the Provisions of the ASME Code, Section XI

1. Owner: Southern Nuclear Operating Co.
Name40 Inverness Center Parkway; Birmingham, AL 35242

Address

2. Plant: Joseph M. Farley Nuclear Plant (FNP)
Name7388 North State Hwy 95; Columbia, AL 36319

Address

3. Work Performed By: FNP Maintenance Department
Name7388 North State Hwy 95; Columbia, AL 36319

Address

Date: November 9, 2008Sheet: 1 of 2Unit: FNP Unit 2Work Order No.: E11 - 2072095501

Repair/Replacement Organization PO No, Job No, etc.

Type Code Symbol Stamp: N/AAuthorization No.: N/AExpiration Date: N/A4. Identification of System: TPNS: Q2E11P001A (2A RHR Pump)5. (a) Applicable Construction Code: Section III, 1986 Edition, None Addenda, N-71-15 Code Case
Year(b) Applicable Edition of Section XI Used for Repair/Replacement Activity: 2001 Addenda: 2003
Year(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)
Seal Gland	Coulter Steel & Forge Company	93P-10794 *	913 *	PO: QP93-1439	1993	Removed	Yes *
Seal Gland **	Flowserve	RLSA12193	N/A	PO: QP071089	2008	Installed	Yes

7. Description of Work: Replaced mechanical seal (including the gland) on the 2A RHR Pump.8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☒ Exempt ☐Other ☐ Pressure: _____ psi Test Temp.: _____ °F

NOTE: Supplemental sheets in 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 number of sheets is recorded at the top of this form.

FORM NIS-2 (Back)

9. Remarks * The serial number, national board number, and the ASME code stamping all refer to the entire mechanical seal

Applicable Manufacturer's Data Reports to be attached

assembly. The heat number for the seal gland was 8654751.

** The seal gland was a part of a complete mechanical seal assembly. Reference part numbers 11 and 11.1 of drawing U732811.

NOTE: Two mechanical seal packages were used as a part of this work order. The first seal (not listed under section 6 above)

failed and was replaced with the seal listed above. The serial number for the seal that failed was RWNA04845. It was manufactured by Flowserve in 2006 and purchased on PO: QP050871.

Reference Transaction # 145053 for the issuance of the new seal (and Transaction # 144099 for the issuance of the failed seal).

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp:

N/A

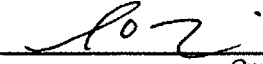
Certificate of Authorization No.:

N/A

Expiration Date:

N/A

Signed:



Asia O. Jenkins, Maintenance Team Leader

Date:

12/15/08

Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of GEORGIA and employed by HSB CT

of HARTFORD, CT have inspected the components described in this Owner's Report during the period 11/04/08 to 11/07/09, 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:

GA 827 AIN

National Board, State, Province, and Endorsements

Date:

1/27/09

**FORM N-2 CERTIFICATE HOLDER'S DATA REPORT FOR IDENTICAL
NUCLEAR PARTS AND APPURTENANCES***
As Required by the Provisions of the ASME Code, Section III
Not to Exceed One Day's Production

2

Pg. 1 of 2

Flowserve Pump Division, Nuclear Products Operations 2300 E. Vernon Ave., Vernon, CA 90058

1. Manufactured and certified by Alabama Power Company, 7388 N. State Highway 95, Columbia, Alabama 36319
(name and address of NPT Certificate Holder)
2. Manufactured for Farley Nuclear Plant 7388 N. State Highway 95, Columbia, Alabama 36319
(name and address of purchaser)
3. Location of installation _____
(name and address)
4. Type 2D-279543-R2 ASME SA-479 Gr. F316 75,000 NA 2008
(drawing no.) (material spec. no.) (tensile strength) (ICRN) (year built)
5. ASME Code, Section III, Division 1 1986 N/A 2 N/A
(edition) (addenda date) (class) (Code Case no.)
6. Fabricated in accordance with Const. Spec. (Div. 2 only) N/A Revision N/A Date N/A
(no.)
7. Remarks Flowserve Job No. RLCA04818 Nomenclature: Gland Ring
Nameplate attached with SS wire. Unit has not been hydrotested

8. Nom. thickness 3.125" Min. design thickness 750" Diameter ID 10" Length overall 3.250"
9. When applicable, Certificate Holder's Data Reports are attached for each item of this report.

Part or Appurtenance Serial Number	National Board No. in Numerical Order
RLSA12193	N/A
(1)	
(2)	
(3)	
(4)	
(5)	
(6)	
(7)	
(8)	
(9)	
(10)	
(11)	
(12)	
(13)	
(14)	
(15)	
(16)	
(17)	
(18)	
(19)	
(20)	
(21)	
(22)	
(23)	
(24)	
(25)	

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

10. Design pressure 600 Temperature 400 Hydro. test pressure N/A at temp. _____
(when applicable)

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

FORM N-2 (Back — Pg. 2 of _____)

RLSA12193

RLSA12193

Certificate Holder's Serial Nos. _____ through _____

CERTIFICATION OF DESIGN

Design specifications certified by Jan Dudiak P.E. State PA Reg. no. 041790-E
 Design report* certified by P.J. Nagelgast P.E. State NJ Reg. no. 10871
(when applicable)

CERTIFICATE OF COMPLIANCE

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

NPT Certificate of Authorization No. N-1131 Expires June 10, 2008

Date 6/10/08 Name Flowserve Pump Division, Nuclear Products Operations Signed David J. [Signature]
(NPT Certificate Holder) (authorized representative)

CERTIFICATE OF INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province
 of CALIF and employed by HEB CT
 of HARTFORD, CT. have inspected these items described in this Data Report on 6-10-08, and state that to the
 best of my knowledge and belief, the Certificate Holder has fabricated these parts or appurtenances in accordance with the ASME Code, Section III,
 Division 1. Each part listed has been authorized for stamping on the date shown above.
 By signing this certificate neither the inspector nor his employer makes any warranty, expressed or implied, concerning the equipment described
 in this Data Report. Furthermore, neither the inspector nor his employer shall be liable in any manner for any personal injury or property damage
 or loss of any kind arising from or connected with this inspection.

Date 6-10-08 Signed E.O. [Signature] Commissions NB 12000/CA-1963
(Authorized Nuclear Inspector) [National Bd. (incl. endorsements), and state or prov. and no.]

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

As Required by the Provisions of the ASME Code, Section XI

1. Owner: Southern Nuclear Operating Co. Date: January 30, 2008
Name
40 Inverness Center Parkway; Birmingham, AL 35242
Address
2. Plant: Joseph M. Farley Nuclear Plant (FNP) Unit: FNP Unit 2
Name
7388 North State Hwy 95; Columbia, AL 36319
Address
3. Work Performed By: FNP Maintenance Department Work Order No.: E11 - 2072667402
Name
7388 North State Hwy 95; Columbia, AL 36319 Repair/Replacement Organization PO No, Job No, etc.
Address Type Code Symbol Stamp: N/A
- Authorization No.: N/A
Expiration Date: N/A
4. Identification of System: TPNS: Q2E11-HCC-364 (RHR/LHSI System), ASME Class 3
5. (a) Applicable Construction Code: Section III, 1971 * Edition, None Addenda, N/A Code Case
Year
(b) Applicable Edition of Section XI Used for Repair/Replacement Activity: 2001 Addenda: 2003
Year
(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" Plate	Alleghany Ludlum Steel	HT # 840898	N/A	PO: QP3555	1989	Installed	No
1/4" Plate	Alleghany Ludlum Steel	HT # 822169	N/A	PO: QP060645	2006	Installed	No
3" Pipe	Sanyo	HT # 808664	N/A	PO: QP071069	2007	Installed	No
3" Weld Flange	Wester Forge	HT # 31909, Lot 8858	N/A	PO: QP071063	2004	Installed	No
Blind Flange	Wester Forge	HT # 31909, Lot 9848	N/A	PO: QP071063	2004	Installed	No
5/8" Nuts	T&T Enterprises	HT # HY7241	N/A	PO: QP070650	2007	Installed	No
5/8" Studs	Auge Industrial	HT # 230111	N/A	PO: QP060496	2004	Installed	No

7. Description of Work: Installation of new drain line in encapsulation pipe chase that contains suction line for MOV Q2E11MOV8811A.

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

NOTE: Supplemental sheets in 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 number of sheets is recorded at the top of this form.

FORM NIS-2 (Back)

9. Remarks * Applicable construction code allows ASME Section III, 1971 thru 2000 editions according to Piping Spec. SS1109-02.

Applicable Manufacturer's Data Reports to be attached

Reference the following Transaction Numbers for issuances of parts: 126766, 126937, 126913.

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp: _____ N/A

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

Signed: Asia O. Jerkins Asia O. Jerkins, Maintenance Team Leader Date: 1/7/09
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of GEORGIA and employed by HSB CT of HARTFORD, CT have inspected the components described in this Owner's Report during the period 12/10/07 to 1/14/09, 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: GA 827 AIN
National Board, State, Province, and Endorsements

Date: 1/14/09

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

As Required by the Provisions of the ASME Code, Section XI

1. Owner: Southern Nuclear Operating Co. Date: January 29, 2008
Name
40 Inverness Center Parkway; Birmingham, AL 35242
Address
2. Plant: Joseph M. Farley Nuclear Plant (FNP) Unit: FNP Unit 2
Name
7388 North State Hwy 95; Columbia, AL 36319
Address
3. Work Performed By: FNP Maintenance Department Work Order No.: E11 - 2072667403
Name
7388 North State Hwy 95; Columbia, AL 36319 Repair/Replacement Organization PO No, Job No, etc.
Address Type Code Symbol Stamp: N/A
- Authorization No.: N/A
Expiration Date: N/A
4. Identification of System: TPNS: Q2E11-HCC-364 (RHR/LHSI System), ASME Class 3
5. (a) Applicable Construction Code: Section III, 1971 * Edition, None Addenda, N/A Code Case
Year
(b) Applicable Edition of Section XI Used for Repair/Replacement Activity: 2001 Addenda: 2003
Year
(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" Plate	Alleghany Ludlum Steel	HT # 840898	N/A	PO: QP3555	1989	Installed	No
1/4" Plate	Alleghany Ludlum Steel	HT # 822169	N/A	PO: QP060645	2006	Installed	No
3" Pipe	Sanyo	HT # 808664	N/A	PO: QP071069	2007	Installed	No
3" Weld Flange	Wester Forge	HT # 31909, Lot 8858	N/A	PO: QP071063	2004	Installed	No
Blind Flange	Wester Forge	HT # 31909, Lot 9848	N/A	PO: QP071063	2004	Installed	No
5/8" Nuts (QTY: 1)	T&T Enterprises	HT # HY7241	N/A	PO: QP070650	2006	Installed	No
5/8" Nuts (QTY: 7)	T&T Enterprises	HT # HY5938	N/A	PO: QP070067	2006	Installed	No
5/8" Studs (QTY: 4)	T&T Enterprises	HT # 423360	N/A	PO: QP071063	2007	Installed	No

7. Description of Work: Installation of new drain line in encapsulation pipe chase that contains suction line for MOV Q2E11MOV8811B.

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

NOTE: Supplemental sheets in 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 number of sheets is recorded at the top of this form.

FORM NIS-2 (Back)

9. Remarks * Applicable construction code allows ASME Section III, 1971 thru 2000 editions according to Piping Spec. SS1109-02.

Applicable Manufacturer's Data Reports to be attached

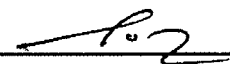
Reference the following Transaction Numbers for issuances of parts: 126771, 126938, 126915, 127483.

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp: _____ N/A

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

Signed:  Asia O. Jerkins, Maintenance Team Leader Date: 1/7/09
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of GEORGIA and employed by HSB CT of HARTFORD, CT have inspected the components described in this Owner's Report during the period 12/13/07 to 1/13/09, 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.

 Commissions: GA 827 AN
Inspector's Signature National Board, State, Province, and Endorsements

Date: 1/13/09

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

As Required by the Provisions of the ASME Code, Section XI

1. Owner: Southern Nuclear Operating Co. Date: January 30, 2008
Name
40 Inverness Center Parkway; Birmingham, AL 35242
Address
2. Plant: Joseph M. Farley Nuclear Plant (FNP) Unit: FNP Unit 2
Name
7388 North State Hwy 95; Columbia, AL 36319
Address
3. Work Performed By: FNP Maintenance Department Work Order No.: E13 - 2072667404
Name Repair/Replacement Organization PO No, Job No, etc.
7388 North State Hwy 95; Columbia, AL 36319 Type Code Symbol Stamp: N/A
Address Authorization No.: N/A
Expiration Date: N/A
4. Identification of System: TPNS: Q2E13-HCC-363 (Containment Spray System), ASME Class 3
5. (a) Applicable Construction Code: Section III, 1971 * Edition, None Addenda, N/A Code Case
Year
- (b) Applicable Edition of Section XI Used for Repair/Replacement Activity: 2001 Addenda: 2003
Year
- (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" Plate	Alleghany Ludlum Steel	HT # 840898	N/A	PO: QP3555	1989	Installed	No
1/4" Plate	Alleghany Ludlum Steel	HT # 822169	N/A	PO: QP060645	2006	Installed	No
3" Pipe	Sanyo	HT # 808664	N/A	PO: QP071069	2007	Installed	No
3" Weld Flange	Wester Forge	HT # 31909, Lot 8858	N/A	PO: QP071063	2004	Installed	No
Blind Flange	Wester Forge	HT # 31909, Lot 9848	N/A	PO: QP071063	2004	Installed	No
5/8" Nuts	T&T Enterprises	HT # HY7241	N/A	PO: QP070650	2007	Installed	No
5/8" Studs	Auge Industrial	HT # 230111	N/A	PO: QP060496	2004	Installed	No

7. Description of Work: Installation of new drain line in encapsulation pipe chase that contains suction line for MOV Q2E13MOV8826A.

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

NOTE: Supplemental sheets in 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 number of sheets is recorded at the top of this form.

FORM NIS-2 (Back)

9. Remarks * Applicable construction code allows ASME Section III, 1971 thru 2000 editions according to Piping Spec. SS1109-02.

Applicable Manufacturer's Data Reports to be attached

Reference the following Transaction Numbers for issuances of parts: 126778, 126941, 126914.

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp:

N/A

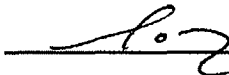
Certificate of Authorization No.:

N/A

Expiration Date:

N/A

Signed:



Asia O. Jenkins, Maintenance Team Leader

Date:

1/2/09

Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the

State or Province of

GEORGIA

and employed by

HSB

CT

of

HARTFORD, CT

have inspected the components described in this

Owner's Report during the period

12/11/07

to

1/13/09

, 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:

GA 827 AN

National Board, State, Province, and Endorsements

Date:

1/13/09

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

As Required by the Provisions of the ASME Code, Section XI

1. Owner: Southern Nuclear Operating Co. Date: January 29, 2008
Name
40 Inverness Center Parkway; Birmingham, AL 35242
Address
2. Plant: Joseph M. Farley Nuclear Plant (FNP) Unit: FNP Unit 2
Name
7388 North State Hwy 95; Columbia, AL 36319
Address
3. Work Performed By: FNP Maintenance Department Work Order No.: E13 - 2072667405
Name Repair/Replacement Organization PO No, Job No, etc.
7388 North State Hwy 95; Columbia, AL 36319 Type Code Symbol Stamp: N/A
Address Authorization No.: N/A
Expiration Date: N/A
4. Identification of System: TPNS: Q2E13-HCC-363 (Containment Spray System), ASME Class 3
5. (a) Applicable Construction Code: Section III, 1971 * Edition, None Addenda, N/A Code Case
Year
(b) Applicable Edition of Section XI Used for Repair/Replacement Activity: 2001 Addenda: 2003
Year
(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" Plate	Alleghany Ludlum Steel	HT # 840898	N/A	PO: QP3555	1989	Installed	No
1/4" Plate	Alleghany Ludlum Steel	HT # 822169	N/A	PO: QP060645	2006	Installed	No
3" Pipe	Sanyo	HT # 808664	N/A	PO: QP071069	2006	Installed	No
3" Weld Flange	Wester Forge	HT # 31909, Lot 8858	N/A	PO: QP071063	2004	Installed	No
Blind Flange	Wester Forge	HT # 31909, Lot 9848	N/A	PO: QP071063	2004	Installed	No
5/8" Nuts	T&T Enterprises	HT # HY7241	N/A	PO: QP070650	2006	Installed	No
5/8" Studs	T&T Enterprises	HT # 423360	N/A	PO: QP071063	2007	Installed	No

7. Description of Work: Installation of new drain line in encapsulation pipe chase that contains suction line for MOV Q2E13MOV8826B.

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

NOTE: Supplemental sheets in 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 number of sheets is recorded at the top of this form.

FORM NIS-2 (Back)

9. Remarks * Applicable construction code allows ASME Section III, 1971 thru 2000 editions according to Piping Spec. SS1109-02.

Applicable Manufacturer's Data Reports to be attached

Reference the following Transaction Numbers for issuances of parts: 126806, 126942, 127485.

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp:

N/A

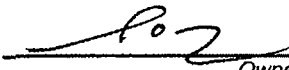
Certificate of Authorization No.:

N/A

Expiration Date:

N/A

Signed:



Asia O. Jerkins, Maintenance Team Leader

Date:

1/7/09

Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of GEORGIA and employed by HSB CT of HARTFORD, CT have inspected the components described in this Owner's Report during the period 12/13/07 to 1/13/09, 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:

GA 827 AIN

National Board, State, Province, and Endorsements

Date:

1/13/09

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

As Required by the Provisions of the ASME Code, Section XI

1. Owner: Southern Nuclear Operating Co. Date: November 10, 2008
Name
40 Inverness Center Parkway; Birmingham, AL 35242
Address
2. Plant: Joseph M. Farley Nuclear Plant (FNP) Unit: FNP Unit 2
Name
7388 North State Hwy 95; Columbia, AL 36319
Address
3. Work Performed By: FNP Maintenance Department Work Order No.: E13 - M400409601
Name Repair/Replacement Organization PO No, Job No, etc.
7388 North State Hwy 95; Columbia, AL 36319 Type Code Symbol Stamp: N/A
Address Authorization No.: N/A
Expiration Date: N/A
4. Identification of System: TPNS: Q2E13V010A (2A CS Pump Test Isolation Valve)
5. (a) Applicable Construction Code: Section III, 1971 Edition, Winter 1971 * Addenda, N/A Code Case
Year
(b) Applicable Edition of Section XI Used for Repair/Replacement Activity: 2001 Addenda: 2003
Year
(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	Kerotest	DF5-11	N/A	PO: FNP2-55	1974	Removed	Yes
Valve	Flowserve	74BKC	N/A	PO: QP060545	2007	Installed	Yes

7. Description of Work: Replaced valve Q2E13V010A
8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☒ Exempt ☐
Other ☐ Pressure: _____ psi Test Temp.: _____ °F

NOTE: Supplemental sheets in 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 number of sheets is recorded at the top of this form.

FORM NIS-2 (Back)

9. Remarks * Construction Code: ASME Section III, 1971 Edition, Winter 1971 Add. with Paragraph NB6111.1(c) of Winter 1972 Add.

Applicable Manufacturer's Data Reports to be attached

Reference Transaction Number 145260 for issuance of new valve.

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp:

N/A

Certificate of Authorization No.:

N/A

Expiration Date:

N/A

Signed:



Asia O. Jerkins, Maintenance Team Leader

Date:

12/15/08

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

CONNECTICUT

and employed by

HSB CT

of

HARTFORD, CT

have inspected the components described in this

Owner's Report during the period

11/05/08

to

1/13/09

, 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:

GA-827 AIN

National Board, State, Province, and Endorsements

Date:

1/13/09

Pg. 1 of 2

[illegible]

* Supplemental information in the form of lists, sketches, or drawings may be used provided (1) size is 8 1/2 x 11, (2) information in items 1 through 4 on this Data Report is included on each sheet, (3) each sheet is numbered and the number of sheets is recorded at the top of this form.

FORM NPV-1 (Back — Pg. 2 of 2)

Certificate Holder's Serial No. 74BKC thru 76BKC

8. Design conditions 2580 (pressure) psi 650 (temperature) °F or valve pressure class 1500
9. Cold working pressure 3600 psi at 100°F
10. Hydrostatic test 5400 psi. Disk differential test pressure 3960 psi
11. Remarks: Sales Order 40230 Yoke Material SA105 Heat-Serial 92955-1 thru 3

CERTIFICATION OF DESIGN

Design Specification certified by A.A. Vizzi P.E. State AL Reg. no. 9576
 Design Report certified by R.S. Farrell P.E. State PA Reg. no. PE-35216-E

CERTIFICATE OF COMPLIANCE

We certify that the statements made in this report are correct and that this pump or valve conforms to the rules for construction of the ASME Code, Section III, Division 1.

N Certificate of Authorization No. N-1562 Expires 11-26-09
 Date 12-12-07 Name Flowserve Corporation Signed [Signature]
 (N Certificate Holder) (authorized representative)

CERTIFICATE OF INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of NC and employed by HSB CT of Hartford, CT

12/12/07 have inspected the pump, or valve, described in this Data Report on 12/12/07, and state that to the best of my knowledge and belief, the Certificate Holder has constructed this pump, or valve, in accordance with the ASME Code, Section III, Division 1.

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

Date 12/12/07 Signed [Signature] Commissions NC#1421
 (Authorized Nuclear Inspector) (Nat'l. Bd. (incl. endorsements) and state or prov. and no.)

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 Nov. 3rd 2008
Name
40 Inverness Center Parkway
Birmingham, AL 35242
Address
2. Plant Farley Nuclear Plant Unit FNP 2
Name
Highway 95 South Columbia, AL 36319
Address
E21-2061990801
Repair/Replacement Organization P.O. No., Job No., etc.
3. Work Performed by SNC Maintenance Dept Type Code Symbol Stamp N/A
Name Authorization No. N/A
Joseph M. Farley Nuclear Plant Expiration Date N/A
Address
4. Identification of System HIGH HEAD SAFETY INJECTION / CVCS SYSTEM
5. (a) Applicable Construction Code SEE NOTE Edition, Addenda, Code Case
(b) Applicable Edition of Section XI Used for Repair/Replacement Activity 2001 EDITION W/ 2003 ADDENDA
(c) Applicable Section XI Code Case(s) NA
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)
PLUNGER SPRING	GRINNELL	20814	NA	PO 36803	1985	Removed	No
SPRING COMPRESSION	GRINNELL	20814	NA	PO 36803	1985	Removed	No
PLUNGER SPRING	GRINNELL	NA	NA	PO QP1546	1987	Installed	No
SPRING COMPRESSION	GRINNELL	NA	NA	PO QP1546	1987	Installed	No

7. Description of Work REBUILT SNUBBER AND THESE 2 VALVE BLOCK INTERNAL COMPONENTS NEEDED REPLACEMENT
REFERENCE TRANSACTION # 144088 VT-3 WAS PERFORMED AFTER SNUBBER WAS INSTALLED

8. Test Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☐ Exempt ☒ PLB
Other ☒ Pressure psi Test Temp. °F
PLB
1/7/08
1/12/09
1/7/08
1/7/09

FORM NIS-2 (Back)

9. Remarks SUPPORTS DESIGNED TO AISC-1969 AND WELDED TO AWS D1.1-86.

Applicable Manufacturer's Data Reports to be attached

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp _____ N/A

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

Signed ASIA O JERKINS TEAM LEADER Date 12/23/08
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the state or Province of GEORGIA and employed by HSBCT of HARTFORD, CT have inspected the components described in this Owner's Report during the period 10/27/08 to 1/07/09, 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 GA 827 AIN
Inspector's Signature National Board, State, Province and Endorsements

Date 1/07/09

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

As Required by the Provisions of the ASME Code, Section XI

1. Owner:	Southern Nuclear Operating Co.	Date:	August 1, 2008
	<i>Name</i>		
	40 Inverness Center Parkway; Birmingham, AL 35242	Sheet:	1 of 2
	<i>Address</i>		
2. Plant:	Joseph M. Farley Nuclear Plant (FNP)	Unit:	FNP Unit 2
	<i>Name</i>		
	7388 North State Hwy 95; Columbia, AL 36319	Work Order No.:	E21 - 2070139901
	<i>Address</i>		<i>Repair/Replacement Organization PO No, Job No, etc.</i>
3. Work Performed By:	FNP Maintenance Department	Type Code Symbol Stamp:	N/A
	<i>Name</i>		
	7388 North State Hwy 95; Columbia, AL 36319	Authorization No.:	N/A
	<i>Address</i>		
		Expiration Date:	N/A

4. Identification of System: TPNS: Q2E21M0001A (2A Charging Pump Motor), Line P17-HBC-255, ASME Class 3

5. (a) Applicable Construction Code: Section III, 1971 Edition, N/A Addenda, N/A Code Case
Year

(b) Applicable Edition of Section XI Used for Repair/Replacement Activity: 2001 Addenda: 2003
Year

(c) Applicable Section XI Code Case(s): N/A

6. Identification of Components:

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Corrected, Removed, or Installed	ASME Code Stamped (Yes or No)
Weld # 29	FNP	Q2-P17-HBC-255	N/A	WO: 20403	1987	Removed	No
PR to Hanger Weld	FNP	SS16039	N/A	WO: 20403	1987	Removed	No
Angle to Plate Weld	Daniel Const.	SS11317	N/A	PO: E9536	1977	Removed	No
Weld # 29	FNP	Q2-P17-HBC-255	N/A	WO: 20403	1987	Installed	No
PR to Hanger Weld	FNP	SS16039	N/A	WO: 20403	1987	Installed	No
Angle to Plate Weld	FNP	SS11317	N/A	PO: E9536	1977	Installed	No

7. Description of Work: Cut out & reinstalled Weld #29, PR to Hanger Welds & Angle to Plate Weld on supports SS16039 & SS11317.

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

Other ☐ Pressure: _____ psi Test Temp.: _____ °F

NOTE: Supplemental sheets in 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 number of sheets is recorded at the top of this form.

FORM NIS-2 (Back)

9. Remarks

Applicable Manufacturer's Data Reports to be attached

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp: N/A

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

Signed: Asia O. Jerkins Asia O. Jerkins, Maintenance Team Leader Date: 1/7/09
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of GEORGIA and employed by HSB CT of HARTFORD, CT have inspected the components described in this Owner's Report during the period 7/18/08 to 1/14/09, 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: GA 827 AIN
Inspector's Signature National Board, State, Province, and Endorsements
Date: 1/14/09

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

As Required by the Provisions of the ASME Code, Section XI

1. Owner: Southern Nuclear Operating Co. Date: November 5, 2008
Name
40 Inverness Center Parkway; Birmingham, AL 35242
Address
2. Plant: Joseph M. Farley Nuclear Plant (FNP) Unit: FNP Unit 2
Name
7388 North State Hwy 95; Columbia, AL 36319
Address
3. Work Performed By: FNP Maintenance Department Work Order No.: E21 - 2071066201
Name Repair/Replacement Organization PO No, Job No, etc.
7388 North State Hwy 95; Columbia, AL 36319 Type Code Symbol Stamp: N/A
Address Authorization No.: N/A
Expiration Date: N/A
4. Identification of System: TPNS: Q2E21V190 (Seal Water Return Filter Bypass Valve)
5. (a) Applicable Construction Code: Section III, 1971 Edition, None Addenda, 1540-1 Code Case
Year
(b) Applicable Edition of Section XI Used for Repair/Replacement Activity: 2001 Addenda: 2003
Year
(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 (Body to Bonnet)	Plainville Mfg.	71-14711-22-8 *	N/A	PO: FNP 2	1976 *	Removed	No
Nut (Body to Bonnet)	Victor Products	71-14711-22-8 *	N/A	PO: FNP 2	1976 *	Removed	No
Stud (Body to Bonnet)	Grinell	HT # T64332A	N/A	PO: FNP 2-1285	1979	Installed	No
Nut (Body to Bonnet)	Grinell	HT # 42151	N/A	PO: QP93-1349	1994	Installed	No

7. Description of Work: Replaced body-to-bonnet stud and nut on valve Q2E21V190.
8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☐ Exempt ☒
Other ☐ Pressure: _____ psi Test Temp.: _____ °F

NOTE: Supplemental sheets in 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 number of sheets is recorded at the top of this form.

FORM NIS-2 (Back)

9. Remarks * The serial number and year built listed for the removed items refers to the serial number and year built of the complete

Applicable Manufacturer's Data Reports to be attached

valve assembly.

Reference Transaction No. 145019 for the issuance of the new, installed parts.

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp:

N/A

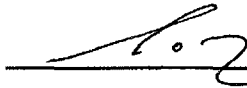
Certificate of Authorization No.:

N/A

Expiration Date:

N/A

Signed:



Asia O. Jerkins, Maintenance Team Leader

Date:

12/10/08

Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of GEORGIA and employed by HSB CT

of SHARLOT, CT have inspected the components described in this

Owner's Report during the period 10/3/08 to 1/08/09, 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:

GA 827 AIN

National Board, State, Province, and Endorsements

Date:

1/08/09

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

As Required by the Provisions of the ASME Code, Section XI

1. Owner: Southern Nuclear Operating Co. Date: December 20, 2008
Name
40 Inverness Center Parkway; Birmingham, AL 35242
Address
2. Plant: Joseph M. Farley Nuclear Plant (FNP) Unit: FNP Unit 2
Name
7388 North State Hwy 95; Columbia, AL 36319
Address
3. Work Performed By: FNP Maintenance Department Work Order No.: E21 - 2071236502
Name Repair/Replacement Organization PO No, Job No, etc.
7388 North State Hwy 95; Columbia, AL 36319 Type Code Symbol Stamp: N/A
Address Authorization No.: N/A
Expiration Date: N/A
4. Identification of System: TPNS: Q2E21P002B (2B Charging Pump), ASME Class 2
5. (a) Applicable Construction Code: Section III, 1971 Edition, Summer 1972 Addenda, N/A Code Case
Year
(b) Applicable Edition of Section XI Used for Repair/Replacement Activity: 2001 Addenda: 2003
Year
(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 Casing & Discharge Head	Pacific Pumps	49188	213	PO: QP050789	1976	Removed	Yes *
Pump Casing & Discharge Head	Hydroaire	5430-01	N/A	PO: QP060948	2007	Installed	Yes

7. Description of Work: Replaced the pump casing and discharge head assembly on the 2B Charging Pump.
8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☒ Exempt ☐
Other ☐ Pressure: psi Test Temp: °F

NOTE: Supplemental sheets in 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 number of sheets is recorded at the top of this form.

FORM NIS-2 (Back)

9. Remarks * See RER 2052666001.

Applicable Manufacturer's Data Reports to be attached

Reference Transaction Number 141915 for issuance of new pump casing and discharge head assembly.

NOTE that this replacement was performed due to a commitment made to the NRC by SNC due to a problem with the ASME code pedigree of the replaced pump (RER 2052666001). SNC committed to replace the casing and discharge head assembly at the first available opportunity.

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp:

N/A

Certificate of Authorization No.:

N/A

Expiration Date:

N/A

Signed:

Ron Tyler

Ron Tyler
Supt.
Asia O. Jenkins, Maintenance Team Leader

Date:

1/20/09

Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of GEORGIA and employed by HSB CT of HARTFORD, CT have inspected the components described in this Owner's Report during the period 10/13/08 to 1/21/09, 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:

GA 827 AIN

National Board, State, Province, and Endorsements

Date:

1/21/09

Corrected
FORM N-2 CERTIFICATE HOLDER'S DATA REPORT FOR IDENTICAL
NUCLEAR PARTS AND APPURTENANCES*
As Required by the Provisions of the ASME Code, Section III
Not to Exceed One Day's Production

Pg. 1 of 4

1. Manufactured and certified by HydroAire Services, Inc.
(name and address of NPT Certificate Holder)
2. Manufactured for Joseph M. Farley Nuclear Plant, Units 1 & 2
(name and address of purchaser)
3. Location of installation Farley Nuclear - 7388 N. State Highway 95 - Columbia, Alabama
(name and address)
4. Type 1042592 Rev. 0 See Page 3 70,000 Psi NR 2007
(drawing no.) (material spec. no.) (name & rating) (CRN) (year built)
5. ASME Code, Section III, Division 1 1971 Summer '72 2 NA
(edition) (addenda date) (page) (Code Case no.)
6. Fabricated in accordance with Const. Spec. (Div. 2 only) NA Revision NA Date NA
(no.)
7. Remarks Pump casing w/discharge head fabricated and assembled to dwg. 1042592. Materials including filler metals are included in Page 3 to this report. Design Spec# FS-S-06-001, PO# QP060948. See Page 4 for fabrication detail.
8. Nom. thickness NA Min. design thickness NA Diameter ID NA Length overall NA
9. When applicable, Certificate Holder's Data Reports are attached for each item of this report.

Part or Appurtenance Serial Number	National Board No. in Numerical Order	Part or Appurtenance Serial Number	National Board No. in Numerical Order
(1)		(26)	
(2)		(27)	
(3)		(28)	
(4)		(29)	
(5)		(30)	
(6)		(31)	
(7)		(32)	
(8)		(33)	
(9)		(34)	
(10)		(35)	
(11)		(36)	
(12)		(37)	
(13)		(38)	
(14)		(39)	
(15) <u>5430-01</u>	<u>See Page 3</u>	(40)	
(16)		(41)	
(17)		(42)	
(18)		(43)	
(19)		(44)	
(20)		(45)	
(21)		(46)	
(22)		(47)	
(23)		(48)	
(24)		(49)	
(25)		(50)	

10. Design pressure 3000 psi Temperature 300 F Hydro. test pressure 4500 psi at temp. 70 F
(when applicable)

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

Certificate Holder's Serial No.: 5430-01 Through NR

CERTIFICATION OF DESIGN

Design specifications certified by AN Nouven P.E. State Alabama Reg. no. 16301
 Design report certified by NA (when applicable) P.E. State NA Reg. no. NA
(when applicable)

CERTIFICATE OF COMPLIANCE

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

NPT Certificate of Authorization No. N-3194 Expires May 26, 2009
 Date 10/2/08 Name HydroAir Services, Inc. Signed [Signature]
NPT Certificate Holder Authorized Representative

CERTIFICATE OF INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province
 of ILLINOIS and employed by ONE BEACON AMERICA INSURANCE CO.
 of EVAN, MA have inspected these items described in this Data Report on 10/2/08 and state that to the
 best of my knowledge and belief, the Certificate Holder has fabricated these parts or appurtenances in accordance with the ASME Code, Section III,
 Division 1. Each part listed has been authorized for stamping on the user shown above.
 By signing this certificate neither the inspector nor his employer makes any warranty, expressed or implied, concerning the equipment described
 in this Data Report. Furthermore, neither the inspector nor his employer shall be liable in any manner for any personal injury or property damage
 or loss of any kind arising from or connected with this inspection.

Date 10/2/08 Signed [Signature] Commission NB7823ABN IL042
Authorized Boiler Inspector (National B.R. [ref. endorsement], and state or prov. and no.)

ITEM NO.	PART NUMBER	DWG NUMBER	DESCRIPTION	MATERIAL HEAT	MATERIAL Organization
1	1038385	1038385	Barrel	42046 Tracer 26044	Dubose National Energy
2	1038387	*1038387	Drip Pocket Case	159273-1	Johnson Brass
3	1038388	1038388	Suction Nozzle	237780 Tracer 26045	Dubose National Energy
4	1038389	1038389	Discharge Nozzle	237780 Tracer 26045	Dubose National Energy
5	1038390	*1038390	Feet - Suction	159271	Johnson Brass
6	1038391	*1038391	Feet - Discharge	159271	Johnson Brass
7	1038392	*1038392	Guide Assembly Rail	G4654	Chicago Spectro Lab
8	1038393	1038393	Pipe Bypass - Barrel	451139	Dubose National Energy
9	1038395	*1038395	Pin Block	T2723-10	Dubose National Energy
10	1038397	*1038397	Fin	T2723-10	Dubose National Energy
11	1038398	1038398	Flange Drain	T2723-10	Dubose National Energy
12	1038399	1038399	Pipe Long - Drain	73400	Dubose National Energy
13	1038400	1038400	Pipe Short - Drain	73400	Dubose National Energy
14	1038401	-	Elbow - 1" , 90 Deg - Socket Weld	D66	Dubose National Energy
15	1038402	*1038402	Plate Drain Pipe	96Y8	Dubose National Energy
16	1038404	1038404	Discharge Head	42046 Tracer 26470	Dubose National Energy/Steel Industries Inc.
17	1038405	1038405	Pipe Bypass - Discharge Head	510309	Dubose National Energy
18	1038407	*1038407	Drip Pocket Discharge Head	159274-2	Johnson Brass
19	1038409	**1038409	Washer Case Stud	NR	NR
20	1038410	1038410	NUT Case	4M58781	Nova
21	1038411	1038411	Stud, Case	M21306	Nova
22	1038412	1038412	Pipe - Long Bypass Line	451139	Dubose National Energy
23	1038413	1038413	Flange Bypass - Discharge Head	T2723-10	Dubose National Energy
24	1038414	-	Stud Bypass Pipe 5/8"	236898	Nova
25	1038415	-	NUT Bypass Pipe	B870-35	Nova
26	1042454	1042454	Pipe Medium - Drain	73400	Dubose National Energy
27	1042628	**	Eye Bolt 1" - 8 NC	NR	NR
28	1042630	1042630	Flange Bypass - Barrel & Bypass Line	9832658	Dubose National Energy
29	1042632	1042630	Flange Bypass Line	56033	Dubose National Energy
30	1043019	-	Elbow - 1-1/4", 90 Deg - Socket Weld	56033	Dubose National Energy
31	1043106	1043106	Pipe - Short Inboard Balance Line	451139	Dubose National Energy
32	1043107	1043107	Pipe - Short Outboard Balance Line	451139	Dubose National Energy
33			Weld Material	AT 8600	Weld Star
			Weld Material	CM8490	Weld Star

Notes: (*) : Pressure boundary Attachments , (**) : Non Pressure Boundary / Non Safety related Material

Corrections in Bold letters:

AS BUILT PARTS LIST FOR NC-5430

Correction in Bold:

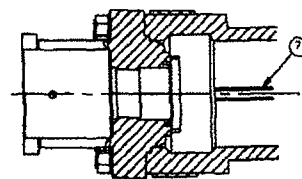
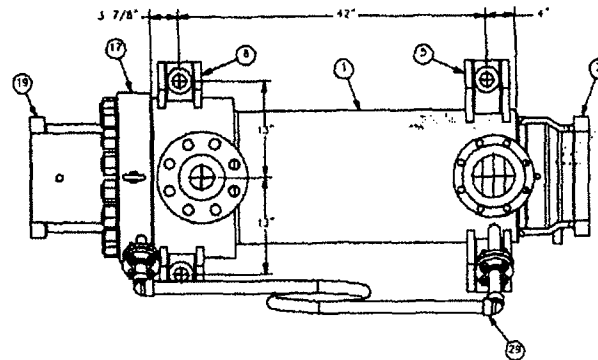
Date Corrected: 8/22/2007

QA Manager: *hgcilw2*

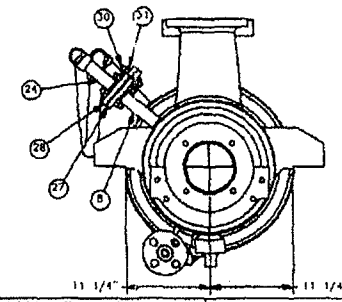
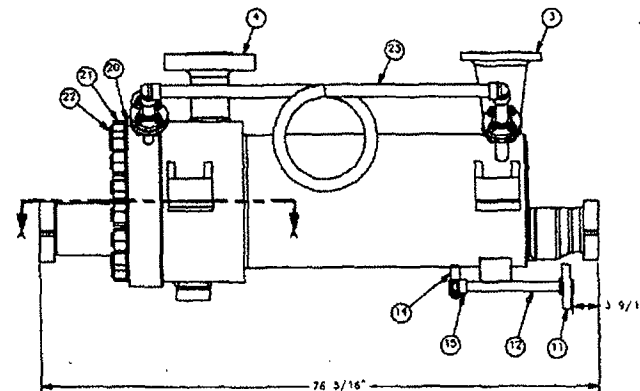
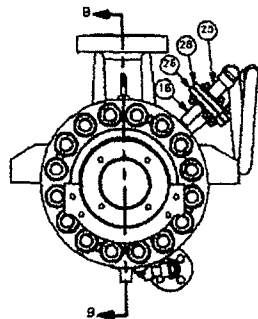
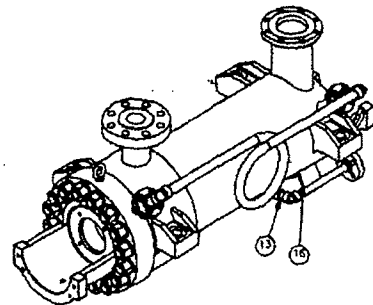
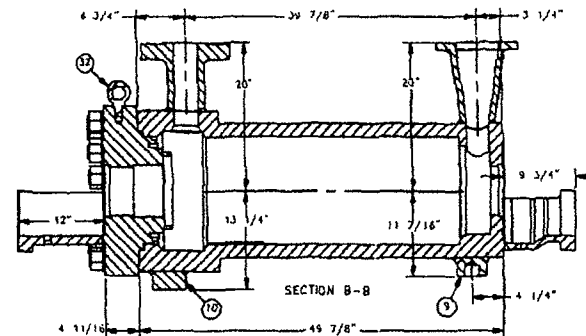
NC 5430

Page 4 of 4

ITEM NO.	PART NUMBER	QTY	DESCRIPTION
1	1038385	1	BARREL
2	1038387	1	DRIP POCKET CASE
3	1038388	1	SUCTION NOZZLE
4	1038389	1	DISCHARGE NOZZLE
5	1038390	2	FEET - SUCTION
6	1038391	2	FEET - DISCHARGE
7	1038392	2	GUIDE ASSEMBLY RAIL
8	1038393	1	PIPE BYPASS - BARREL
9	1038395	1	PIV BLOCK
10	1038397	1	FW
11	1038398	1	FLANGE DRAIN
12	1038399	1	PIPE LONG - DRAIN
13	1038400	1	PIPE SHORT - DRAIN
14	1042434	1	PIPE MEDIUM - DRAIN
15	1038401	2	ELBOW - 1" - 90 Deg Socket Weld
16	1038402	1	PLATE - DRAIN PIPE
17	1038404	1	DISCHARGE HEAD
18	1038405	1	PIPE BYPASS - DISCHARGE HEAD
19	1038407	1	DRIP POCKET DISCHARGE HEAD
20	1038409	16	WASHER CASE STUD
21	1038410	16	NUT CASE
22	1038411	16	STUD CASE
23	1038412	1	PIPE - LONG BYPASS LINE
24	1043106	1	PIPE - SHORT INBOARD BALANCE LINE
25	1043107	1	PIPE - SHORT OUTBOARD BALANCE LINE
26	1038413	1	FLANGE BYPASS - DISCHARGE HEAD
27	1042630	1	FLANGE BYPASS - BARREL & BYPASS LINE
28	1042632	2	FLANGE BYPASS LINE
29	1043019	2	ELBOW - 1-1/4" - 90 Deg Socket Weld
30	1038414	8	STUD BYPASS PIPE 3/8"
31	1038415	16	NUT BYPASS PIPE
32	1042628	1	EYE BOLT 1" - 8 NC



SECTION A-A



DESIGN SPECIFICATION : FW-S-08-001
VERSION - 1
P.O. No. : QP 060948
ORDER No. : NC - 5430

THIS DRAWING CONTAINS TO AND FROM 7/8"		HydraAire, Incorporated	
Part No.	1038385	Part No.	1038385
Part No.	1038387	Part No.	1038387
Part No.	1038388	Part No.	1038388
Part No.	1038389	Part No.	1038389
Part No.	1038390	Part No.	1038390
Part No.	1038391	Part No.	1038391
Part No.	1038392	Part No.	1038392
Part No.	1038393	Part No.	1038393
Part No.	1038395	Part No.	1038395
Part No.	1038397	Part No.	1038397
Part No.	1038398	Part No.	1038398
Part No.	1038399	Part No.	1038399
Part No.	1038400	Part No.	1038400
Part No.	1042434	Part No.	1042434
Part No.	1038401	Part No.	1038401
Part No.	1038402	Part No.	1038402
Part No.	1038404	Part No.	1038404
Part No.	1038405	Part No.	1038405
Part No.	1038407	Part No.	1038407
Part No.	1038409	Part No.	1038409
Part No.	1038410	Part No.	1038410
Part No.	1038411	Part No.	1038411
Part No.	1038412	Part No.	1038412
Part No.	1043106	Part No.	1043106
Part No.	1043107	Part No.	1043107
Part No.	1038413	Part No.	1038413
Part No.	1042630	Part No.	1042630
Part No.	1042632	Part No.	1042632
Part No.	1043019	Part No.	1043019
Part No.	1038414	Part No.	1038414
Part No.	1038415	Part No.	1038415
Part No.	1042628	Part No.	1042628

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

As Required by the Provisions of the ASME Code, Section XI

1. Owner: Southern Nuclear Operating Co. Date: November 3, 2008
Name
40 Inverness Center Parkway; Birmingham, AL 35242
Address
2. Plant: Joseph M. Farley Nuclear Plant (FNP) Unit: FNP Unit 2
Name
7388 North State Hwy 95; Columbia, AL 36319
Address
3. Work Performed By: FNP Maintenance Department Work Order No.: E21 - 2071857201
Name Repair/Replacement Organization PO No, Job No, etc.
7388 North State Hwy 95; Columbia, AL 36319 Type Code Symbol Stamp: N/A
Address Authorization No.: N/A
Expiration Date: N/A
4. Identification of System: TPNS: Q2E21V0101C (RCP 2C Seal Injection Supply Check Valve), ASME Class 1
5. (a) Applicable Construction Code: Section III, 1971 * Edition, None Addenda, N/A Code Case
Year
(b) Applicable Edition of Section XI Used for Repair/Replacement Activity: 2001 Addenda: 2003
Year
(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.	Q2E21-CCA-1C **	N/A	None	Unk.	Removed	No
Stud	Nova Machine	HT # 55143	N/A	PO: QP060422	2006	Installed	No

7. Description of Work: One of the studs used in the connection of valve Q2E21V0101C was replaced. ***
8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☐ Exempt ☒
Other ☐ Pressure: _____ psi Test Temp.: _____ °F

NOTE: Supplemental sheets in 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 number of sheets is recorded at the top of this form.

FORM NIS-2 (Back)

9. Remarks * FNP Piping Specification SS-1109-02 allows a construction code of ASME Section III, 1971 Edition thru 1983 Ed. with

Applicable Manufacturer's Data Reports to be attached

1984 Summer Addenda for bolting on this class line.

** This is the serial number of the line in which the check valve is installed.

The PO under which the original stud was installed is unknown.

Reference Transaction Number 144765 for issuance of new stud.

The newly installed stud was given a VT-1 examination on November 1, 2008, prior to installation.

The position of the new stud is 11:00 as seen when facing the valve from beneath the grating above the 105' elevation.

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp:

N/A

Certificate of Authorization No.:

N/A

Expiration Date:

N/A

Signed:

Ron Tyler

Ron Tyler

Supt.

Asia O. Jenkins, Maintenance Team Leader

Date:

Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of GEORGIA and employed by NSB CT

of HARTFORD, CT have inspected the components described in this

Owner's Report during the period 11/01/08 to 1/22/09, 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:

GA 827 AIN

National Board, State, Province, and Endorsements

Date:

1/22/09

Form NIS-2 Owner's Report for Repairs or Replacements

RType : L1.52

As required by the provisions of the ASME Code Section XI

Job Number E21-DCP-2050912001-01				Sheet 1 of 4			
1. Owner Southern Nuclear Operating Company 40 Inverness Center Parkway Birmingham, Alabama 35242 (as agent for Alabama Power Company)			2. Plant Farley Nuclear Plant Highway 95 South Columbia, Alabama 36319			Unit FNP 2	
						Date 1/6/09	
3. Work performed by Name : <u>Southern Nuclear Operating Company Plant Modifications</u> Address : <u>Joseph M. Farley Nuclear Plant</u>					Type Code Symbol Stamp N/A		
					Authorization Number N/A		
					Expiration Date N/A		
4. Identification of System Q2E21- CHEMICAL VOLUME CONTROL SYSTEM, ASME CLASS 2							
5. (a) Applicable Construction Code: _____ * _____ 19 ____ * _____ Edition _____ * _____ Addenda, _____ * _____ Code Case (b) Applicable Section XI Utilized For Repairs Or Replacements, 20 <u>01</u> Edition <u>2003</u> Addenda, _____ Code Case							
6. Identification of Components Repaired or Replaced and Replacement Components:							
Name of Component	Name of Manufacturer	Manufacturer Serial Number	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes / No)
VALVE	KEROTEST MFG. CORP.	VC4-22	N/A	Q2E21V061A FNP2-55	1978	REPLACED	YES
VALVE	DRAGON VALVES INC.	TW1552	N/A	Q2E21V061A QP070655	2008	REPLACEMENT	YES
VALVE	KEROTEST MFG. CORP.	EE3-5	N/A	Q2E21V061B FNP2-55	1975	REPLACED	YES
VALVE	DRAGON VALVES INC.	TW1158	N/A	Q2E21V061B QP070655	2008	REPLACEMENT	YES
VALVE	KEROTEST MFG. CORP.	EE3-7	N/A	Q2E21V061C FNP2-55	1975	REPLACED	YES
VALVE	DRAGON VALVES INC.	TW1160	N/A	Q2E21V061C QP070655	2008	REPLACEMENT	YES
VALVE	KEROTEST MFG. CORP.	VC4-3	N/A	Q2E21V071A FNP2-55	1978	REPLACED	YES
VALVE	DRAGON VALVES INC.	TW1163	N/A	Q2E21V071A QP070655	2008	REPLACEMENT	YES
VALVE	KEROTEST MFG. CORP.	VC4-21	N/A	Q2E21V071B FNP2-55	1978	REPLACED	YES
VALVE	DRAGON VALVES INC.	TW1157	N/A	Q2E21V071B QP070655	2008	REPLACEMENT	YES

Form NIS-2 Owner's Report for Repairs or Replacements

RType : L1.52

As required by the provisions of the ASME Code Section XI

Job Number

E21-DCP-2050912001-01

Sheet 2 of 4

VALVE	KEROTEST MFG. CORP.	EE3-8	N/A	Q2E21V071C FNP2-55	1975	REPLACED	YES
VALVE	DRAGON VALVES INC.	TW 1161	N/A	Q2E21V071C QP070655	2008	REPLACEMENT	YES
VALVE	KEROTEST MFG. CORP.	RT5-2	N/A	Q2E21V075A FNP2-55	1977	REPLACED	YES
VALVE	DRAGON VALVES INC.	TW1156	N/A	Q2E21V075A QP070655	2008	REPLACEMENT	YES
VALVE	KEROTEST MFG. CORP.	RT5-7	N/A	Q2E21V075B FNP2-55	1977	REPLACED	YES
VALVE	DRAGON VALVES INC.	TW 1159	N/A	Q2E21V075B QP070655	2008	REPLACEMENT	YES
VALVE	KEROTEST MFG. CORP.	RT5-18	N/A	Q2E21V075C FNP2-55	1977	REPLACED	YES
VALVE	DRAGON VALVES INC.	TW1153	N/A	Q2E21V075C QP070655	2008	REPLACEMENT	YES
VALVE	KEROTEST MFG. CORP.	EE2-7	N/A	Q2E21V080A FNP2-55	1975	REPLACED	YES
VALVE	DRAGON VALVES INC.	TW1162	N/A	Q2E21V080A QP070655	2008	REPLACEMENT	YES
VALVE	KEROTEST MFG. CORP.	OK8-7	N/A	Q2E21V080B FNP2-55	1975	REPLACED	YES
VALVE	DRAGON VALVES INC.	TW1155	N/A	Q2E21V080B QP070655	2008	REPLACEMENT	YES
VALVE	KEROTEST MFG. CORP.	OK8-14	N/A	Q2E21V080C FNP2-55	1975	REPLACED	YES
VALVE	DRAGON VALVES INC.	TW1154	N/A	Q2E21V080C QP070655	2008	REPLACEMENT	YES
STUD	UNKNOWN	UNKNOWN	N/A	N2E21FE986	1978	REPLACED	YES
STUD	NOVA MACHINE PRODUCTS	7221161	N/A	N2E21FE986 QP070144	2007	REPLACEMENT	YES
NUT	UNKNOWN	UNKNOWN	N/A	N2E21FE986	1978	REPLACED	YES
NUT	MACKSON INC.	245182	N/A	N2E21FE986 QP070844	2007	REPLACEMENT	YES
SUPPORT	DANIEL CONSTRUCTION COMPANY	N/A	N/A	SS-12297	1978	REPLACED	NO
SUPPROT	SNC	N/A	N/A	SS-12297	2008	REPLACEMENT	NO
SUPPORT	DANIEL CONSTRUCTION COMPANY	N/A	N/A	SS-12460	1978	REPLACED	NO
SUPPROT	SNC	N/A	N/A	SS-12460	2008	REPLACEMENT	NO

Form NIS-2 Owner's Report for Repairs or Replacements

RType : L1.52

Job Number

E21-DCP-2050912001-01

Sheet 3 of 4

7. Description of Work

The following valves were replaced per DCP 2050912001 and associated work orders, see below:

Q2E21B061A-WO:2050912025; Q2E21B061B-WO:2050912026; Q2E21B061C-WO:2050912027; Q2E21B071A-WO:2050912028; Q2E21B071B-WO:2050912029; Q2E21B071C-WO:2050912030; Q2E21B075A-WO:2050912031; Q2E21B075B-WO:2050912032; Q2E21B075C-WO:2050912033; Q2E21V080A-WO:2050912034; Q2E21B080B-WO:2050912035; Q2E21B080C-WO:2050912036.

Seismic Support SS-12297 and SS-12460 had friction clamps removed and replaced per WO: 2050912025 and 2050912034

LEAK TEST (VT-2) WAS PERFORMED PER WO2050912025 AND FNP-2-STP-156.3.

8. Test Conducted

☐ Hydrostatic ☐ Pneumatic ☒ Normal Operating Pressure ☐ None ☒ Other

Pressure _____ PSI Temperature _____ °F

Per Code Case N-416-4 a VT-2 was performed in conjunction with a pressure test at nominal operating pressure and temperature for all modified piping. The pressure test was documented per Inservice Test No. 9120-IS01 and performed under ISI program procedure FNP-2-STP-156.3.

A VT-3 was performed on pipe supports SS-12297 and SS-12460.

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

* Construction Code for piping components: ASME Section III, 1971 Edition, Summer 71 Addenda

Construction Code for pipe supports: AISC 1969 Edition

Valve Q2E21V061A was replaced per WO 2050912025. See transaction # 143980 for applicable material issue information.

Valve Q2E21V061B was replaced per WO 2050912026. See transaction # 143976 for applicable material issue information.

Valve Q2E21V061C was replaced per WO 2050912027. See transaction # 143977 for applicable material issue information.

Valve Q2E21V071A was replaced per WO 2050912028. See transaction # 143978 for applicable material issue information.

Valve Q2E21V071B was replaced per WO 2050912029. 1 stud and 2 nuts were replaced on the flange that makes up the sealing surface for N2E21FE986 on line Q2-E21-CCB-30. See transaction # 143980 and 145110 for applicable material issue information.

Valve Q2E21V071C was replaced per WO 2050912030. See transaction # 143982 for applicable material issue information.

Valve Q2E21V075A was replaced per WO 2050912031. See transaction # 143983 for applicable material issue information.

Valve Q2E21V075B was replaced per WO 2050912032. See transaction # 143983 for applicable material issue information.

Valve Q2E21V075C was replaced per WO 2050912033. See transaction # 143987 for applicable material issue information.

Valve Q2E21V080A was replaced per WO 2050912034. See transaction # 143988 for applicable material issue information.

Valve Q2E21V080B was replaced per WO 2050912035. See transaction # 143989 for applicable material issue information.

Valve Q2E21V080C was replaced per WO 2050912036. See transaction # 143990 for applicable material issue information.

VT-2 leak test performed per work order 2050912025 and FNP-2-STP-156.3.

Form NIS-2 Owner's Report for Repairs or Replacements

As required by the provisions of the ASME Code Section XI

RType : L1.52

Job Number

E21-DCP-2050912001-01

Sheet 4 of 4

Certificate of Compliance

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

Type Code Symbol Stamp N/A

Certificate of Authorization Number N/A Expiration Date N/A

Signed Rm Coleman Plant MODS Supervisor Date 1/22/09
Owner or Owner's Designee, Title

Certificate of Inservice Inspection

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of GEORGIA and employed by HSB CT of HARTFORD CT have inspected the components described in this Owner's Report during the period 10/15/08 to 1/22/09, 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 loss of any kind arising from or connected with this inspection.

[Signature]
Inspector's Signature

Commissions

GA 827 AIN

National Board, State, Province, and Endorsements

Date

1/22/09

Figure 1

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

As Required By The Provisions Of The ASME Code Section XI

1. Owner Southern Nuclear Operating Company Date 11-26-2008
Name
40 Inverness Center Parkway
Birmingham, Alabama 35242
Address
2. Plant Farley Nuclear Plant Sheet 1 of 2
Name
Highway 95 Southern Company
Columbia, Alabama 36319
Address Unit 2
E21 - DCP - 2081834801-01
Repair/Replacement Organization P.O. No., Job No., etc.
3. Work Performed by Southern Nuclear Operating Company / SD - Modification Type Code Symbol Stamp N/A
Name
Farley Nuclear Plant
Address Authorization No. N/A
Expiration Date N/A
4. Identification of System E21 CVCS
5. (a) Applicable Construction Code ASME III Edition, 1971 Addenda, Summer 1971 Code Case
(b) Applicable Edition of Section XI Used for Repair/Replacement Activity 2001 Addenda 2003
(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)
ELBOW	IDEAL FORGING CO	56437	NA	7047Q62601	1973	REMOVED	NO
TEE	Alloy Stainless Products Co.	DB	NA	QP0720402	1992	INSTALLED	NO
PIPE	SANDVIK	474905	NA	QP94-1311	1989	INSTALLED	NO
REDUCING COUPLING	VALBRUNER SLATER STAINLESS INC.	XKR	NA	QP080944	2007	INSTALLED	NO
ELBOW	Alloy Stainless Products Co.	BA	NA	7047Q62846	1974	INSTALLED	NO

7. Description of Work Installed 3/4 inch vent valves in discharge side of 2A Charging Pump.

8. Test Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☒ Exempt ☐
Other ☐ Pressure 2750 psi Test Temp. _____ °F

Figure 1
FORM NIS-2 (Back)

9. Remarks In-Service leakage test performed at normal operating pressure and temperature. Verified through control room instrumentation.

Applicable Manufacturer's Data Reports to be attached

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp _____ N/A

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

Signed Rm Gilman Modification Sp Date 12/12/08
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the state or Province of GEORGIA and employed by HSB CT of HARTFORD, CT have inspected the components described in this Owner's Report during the period 10/21/08 to 12/12/08, 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 GA 827 AIN
National Board, State, Province and Endorsements

Date 12/12/08

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 Oct. 29th 2008
 Name
40 Inverness Center Parkway
Birmingham, AL 35242
 Address
2. Plant Farley Nuclear Plant Unit FNP 2
 Name
Highway 95 South Columbia, AL 36319
 Address
3. Work Performed by SNC Maintenance Dept Type Code Symbol Stamp N/A
 Name
Joseph M. Farley Nuclear Plant Authorization No. N/A
 Address Expiration Date N/A
4. Identification of System Steam Generator Blow down System
5. (a) Applicable Construction Code SEE NOTE Edition, Addenda, Code Case
 (b) Applicable Edition of Section XI Used for Repair/Replacement Activity 2001 EDITION W/ 2003 ADDENDA
 (c) Applicable Section XI Code Case(s) NA
6. Identification Of Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Corrected, Removed, or Installed	ASME Code Stamped (Yes or No)
MECHANICAL SNUBBER	PACIFIC SCIENTIFIC	2043	NA	EXAM 20601	1977	REMOVED	No
HYDRAULIC SNUBBER	LISEGA	30700561/069	NA	QP080176	2007	INSTALLED	No

7. Description of Work REPLACEMENT SNUBBER SS12896 WAS REPLACED DUE TO A SCHEDULED UPGRADE:
REFERENCE TRANSACTION # 141140 VT-3 WAS PERFORMED AFTER SNUBBER WAS INSTALLED

8. Test Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☐ Exempt ☒
 Other ☒ Pressure psi Test Temp. °F
12/1/09

FORM NIS-2 (Back)

9. Remarks SUPPORTS DESIGNED TO AISC-1969 AND WELDED TO AWS D1.1-86.

Applicable Manufacturer's Data Reports to be attached

REFERENCE EQUIVALENCY DETERMINATION

PDE S 96 0 0225

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 Asia O JERKINS TEAM LEADER Date 12/23/08
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the state or Province of GEORGIA and employed by USB CT of HARTFORD, CT have inspected the components described in this Owner's Report during the period 10/02/08 to 1/13/09, 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.

Commissions GA 827 AIN
Inspector's Signature National Board, State, Province and Endorsements

Date 1/13/09

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

As Required by the Provisions of the ASME Code, Section XI

1. Owner: Southern Nuclear Operating Co.
Name
40 Inverness Center Parkway; Birmingham, AL 35242
Address

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

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

Date: November 17, 2008

Sheet: 1 of 2

Unit: FNP Unit 2

Work Order No.: N11 - 2071565702

Repair/Replacement Organization PO No, Job No, etc.

Type Code Symbol Stamp: N/A

Authorization No.: N/A

Expiration Date: N/A

4. Identification of System: TPNS: Q2N11V0003B (2B SG MSIV Bypass Valve), ASME Class 2

5. (a) Applicable Construction Code: Section III, 1968 * Edition, None Addenda, N/A Code Case
Year

(b) Applicable Edition of Section XI Used for Repair/Replacement Activity: 2001 Addenda: 2003
Year

(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	HT # E-8246 **	N/A	PO: FNP-190	1973	Removed	No
Valve Bonnet	Velan	17645 ***	N/A	PO: QP070893	2008	Installed	Yes

7. Description of Work: Replaced bonnet on valve Q2N11V0003B.

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

Other ☐ Pressure: _____ psi Test Temp.: _____ °F

NOTE: Supplemental sheets in 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 number of sheets is recorded at the top of this form.

FORM NIS-2 (Back)

9. Remarks * The Draft Pump and Valve Code issued in November 1968 was the governing construction code for this valve.

Applicable Manufacturer's Data Reports to be attached

** The serial number of the original valve assembly was 2076.

*** The heat number for the new bonnet is 227E422.

Reference Transaction Number 140478 for issuance of new bonnet.

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp:

N/A

Certificate of Authorization No.:

N/A

Expiration Date:

N/A

Signed:

Ron Tyle

Ron Tyle
Supt.
Asia O. Jenkins, Maintenance Team Leader

Date:

1/28/09

Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of GEORGIA and employed by HSB CT

of HARTFORD, CT have inspected the components described in this Owner's Report during the period 11/11/08 to 1/28/09, 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:

GA 827 ATN

National Board, State, Province, and Endorsements

Date:

1/28/09

**FORM N-2 CERTIFICATE HOLDERS' DATA REPORT FOR IDENTICAL
NUCLEAR PARTS AND APPURTENANCES***
As Required by the Provisions of the ASME Code, Section III
Not to Exceed One Day's Production

Pg. 1 of 2

1. Manufactured and certified by VELAN INC., 550 MCARTHUR STREET, MONTREAL, QUEBEC, CANADA H4M 1X8
(name and address of NPT Certificate holder)

2. Manufactured for ALABAMA POWER COMPANY c/o Southern Nuclear Operating Co. P.O. Box 1295 Birmingham AL 35201 USA
(name and address of Purchaser)

3. Location of installation ALABAMA POWER COMPANY Farley Nuclear Plant 7388 N.STATE HIGHWAY 95 COLUMBIA AL 36319 USA
(name and address)

DWG ITEM: 29-31; 46-48

4. Type: (VLV) P2-0607-N07 Rev.G SA-105 70,000 PSI (Min.) N/A 2008
(drawing no.) (mat'l spec. no.) (tensile strength) (CRN) (year built)

5. ASME Code, Section III, Division 1: 1977 NONE 2 N/A
(edition) (addenda date) (class) (Code Case no.)

6. Fabricated in accordance with Const. Spec. (Div. 2 only) - Revision - Date -
(no.)

7. Remarks: EXCEPT MATERIAL SPEC.SUPPLIED IS TO ASME SEC.II PART-A CODE EDITION: 1989/ADDENDA: NONE

BONNET HEAT NUMBER:: 227E422 /TEST No. 76078 Trace: 2FZJ (H/F: STELLITE #6)

SPARE PART FOR: 3"-600# P/S GATE VALVE c/o Pneumatic Operator (VALVE FIGURE: B10-25PS-2TS)

8. Nom. thickness (in.) N/A Min. design thickness (in.) N/A Dia. ID (ft & in.) N/A Length overall (ft & in.) N/A

9. When applicable, Certificate Holders' Data Reports are attached for each item of this report:

Part or appurtenance Serial Number	National Board No. in Numerical Order
(1) <u>BONNET SN: 17644</u>	<u>N/A</u>
(2) <u>BONNET SN: 17645</u>	<u>N/A</u>
(3)	
(4)	
(5)	
(6)	
(7)	
(8)	
(9)	
(10)	
(11)	
(12)	
(13)	
(14)	
(15)	
(16)	
(17)	
(18)	
(19)	
(20)	
(21)	
(22)	
(23)	
(24)	
(25)	

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

10. Design condition: N/A psi. Temp. N/A °F. Hydro test pressure N/A at temp. °F

*Supplemental information in the form of lists, sketches, or drawings may be used provided (1) size is 8½x 11, (2) information in Items 2 and 3 on this Data Report is included on each sheet, (3) each sheet is numbered and the number of sheets is recorded at the top of this form.

(12/88) This form (E00040) may be obtained from the Order Dept., ASME, 22 Law Drive, Box 2300, Fairfield, NJ 07007-2300.

FORM N-2 (Back - Pg. 2 OF 2)

Certificate Holder's Serial Nos. #17644 through 17645

CERTIFICATION OF DESIGN

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

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

CERTIFICATE OF COMPLIANCE

We certify that the statements made in this report are correct and that this (these) 3"-600# P/S GATE VALVE "BONNET" conforms to the construction of the ASME Code, Section III, Division 1.

NPT Certificate of Authorization No. N-2798-2 Expires: 20 APRIL 2010

Date April 7, 2008

Name: VELAN INC.

(NPT Certificate Holder)

Signed: [Signature]

(Authorized Representative)



CERTIFICATE OF INSPECTION

I, the undersigned, holding a valid commission issued by the National Board and Pressure Vessel Inspectors and the State or Province of Quebec and employed by Regie du Batiment du Quebec of Quebec have inspected these items described in this Data Report on 2008/04/08, and state that to the best of my knowledge and belief, the Certificate Holder has fabricated these parts or appurtenances in accordance with the ASME Code, Section III, Division 1. Each part listed has been authorized for stamping on the date shown above.

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

Date 2008/04/08 Signed [Signature]

(Authorized Nuclear Inspector)

Commissions

C. CAMPANA QC # 9969

Inspector (and authorized representative) of the National Board of Pressure Vessel Inspectors

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

As Required by the Provisions of the ASME Code, Section XI

1. Owner: Southern Nuclear Operating Co. Date: November 17, 2008
Name
40 Inverness Center Parkway; Birmingham, AL 35242
Address
2. Plant: Joseph M. Farley Nuclear Plant (FNP) Unit: FNP Unit 2
Name
7388 North State Hwy 95; Columbia, AL 36319
Address
3. Work Performed By: FNP Maintenance Department Work Order No.: N11 - 2072623201
Name *Repair/Replacement Organization PO No, Job No, etc.*
7388 North State Hwy 95; Columbia, AL 36319 Type Code Symbol Stamp: N/A
Address Authorization No.: N/A
 Expiration Date: N/A
4. Identification of System: TPNS: Q2N11V0003D (2A SG MSIV Bypass Valve)
5. (a) Applicable Construction Code: Section III, 1968 * Edition, None Addenda, N/A Code Case
Year
 (b) Applicable Edition of Section XI Used for Repair/Replacement Activity: 2001 Addenda: 2003
Year
 (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	4574 (HT # 440970)	N/A	PO: FNP-190	1975	Removed	No
Valve Bonnet	Velan	17644 (HT # 227E422)	N/A	PO: QP070893	2008	Installed	Yes

7. Description of Work: Replaced valve bonnet on valve Q2N11V0003D.
8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☒ Exempt ☐
 Other ☐ Pressure: psi Test Temp.: °F

NOTE: Supplemental sheets in 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 number of sheets is recorded at the top of this form.

FORM NIS-2 (Back)

9. Remarks * The Draft Pump and Valve Code issued in November 1968 was the governing construction code for this valve.

Applicable Manufacturer's Data Reports to be attached

Reference Transaction Number 145922 for issuance of new bonnet.

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp: _____ N/A

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

Signed: Asia O. Jerkins Asia O. Jerkins, Maintenance Team Leader Date: 12/15/08
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of GEORGIA and employed by HSB CT of HARTFORD, CT have inspected the components described in this Owner's Report during the period 11/11/08 to 1/28/09, 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: GA 827 AIN
National Board, State, Province, and Endorsements

Date: 1/28/09

**FORM N-2 CERTIFICATE HOLDERS' DATA REPORT FOR IDENTICAL
NUCLEAR PARTS AND APPURTENANCES***
As Required by the Provisions of the ASME Code, Section III
Not to Exceed One Day's Production

Pg. 1 of 2

1. Manufactured and certified by VELAN INC., 550 MCARTHUR STREET, MONTREAL, QUEBEC, CANADA H4M 1X8
(name and address of NPT Certificate holder)

2. Manufactured for ALABAMA POWER COMPANY c/o Southern Nuclear Operating Co. P.O. Box 1295 Birmingham AL 35201 USA
(name and address of Purchaser)

3. Location of installation ALABAMA POWER COMPANY Farley Nuclear Plant 7388 N.STATE HIGHWAY 95 COLUMBIA AL 36319 USA
(name and address)

DWG ITEM: 29-31; 46-48

4. Type: (VLV) P2-0607-N07 Rev.G SA-105 70,000 PSI (Min.) N/A 2008
(drawing no.) (mat'l spec. no.) (tensile strength) (CRN) (year built)

5. ASME Code, Section III, Division 1: 1977 NONE 2 N/A
(edition) (addenda date) (class) (Code Case no.)

6. Fabricated in accordance with Const. Spec. (Div. 2 only) - Revision - Date -
(no.)

7. Remarks: EXCEPT MATERIAL SPEC.SUPPLIED IS TO ASME SEC.II PART-A CODE EDITION: 1989 ADDENDA: NONE

BONNET HEAT NUMBER:: 227E422 /TEST No. 76078 Trace: 2FZJ (H/F: STELLITE #6)

SPARE PART FOR: 3"-600# P/S GATE VALVE c/o Pneumatic Operator (VALVE FIGURE: B10-25PS-2TS)

8. Nom. thickness (in.) N/A Min. design thickness (in.) N/A Dia. ID (ft & in.) N/A Length overall (ft & in.) N/A

9. When applicable, Certificate Holders' Data Reports are attached for each item of this report:

Part or appurtenance Serial Number	National Board No. in Numerical Order
(1) <u>BONNET SN: 17644</u>	<u>N/A</u>
(2) <u>BONNET SN: 17645</u>	<u>N/A</u>
(3)	
(4)	
(5)	
(6)	
(7)	
(8)	
(9)	
(10)	
(11)	
(12)	
(13)	
(14)	
(15)	
(16)	
(17)	
(18)	
(19)	
(20)	
(21)	
(22)	
(23)	
(24)	
(25)	

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

10. Design condition: N/A psi. Temp. N/A °F. Hydro test pressure N/A at temp. °F

*Supplemental information in the form of lists, sketches, or drawings may be used provided (1) size is 8½x 11, (2) information in items 2 and 3 on this Data Report is included on each sheet, (3) each sheet is numbered and the number of sheets is recorded at the top of this form.

(12/88) This form (E00040) may be obtained from the Order Dept., ASME, 22 Law Drive, Box 2300, Fairfield, NJ 07007-2300.

FORM N-2 (Back - Pg. 2 OF 2)

Certificate Holder's Serial Nos. #17644 through 17645

CERTIFICATION OF DESIGN

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

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

CERTIFICATE OF COMPLIANCE

We certify that the statements made in this report are correct and that this (these) 3"-600# P/S GATE VALVE "BONNET" conforms to the construction of the ASME Code, Section III, Division 1.

NPT Certificate of Authorization No. N-2798-2Expires: 20 APRIL 2010Date April 7, 2008Name: VELAN INC.

(NPT Certificate Holder)

Signed: [Signature]

(Authorized Representative)



CERTIFICATE OF INSPECTION

I, the undersigned, holding a valid commission issued by the National Board and Pressure Vessel Inspectors and the State or Province of Quebec and employed by Regie du Batiment du Quebec of Quebec have inspected these items described in this Data Report on 2008/04/08, and state that to the best of my knowledge and belief, the Certificate Holder has fabricated these parts or appurtenances in accordance with the ASME Code, Section III, Division 1. Each part listed has been authorized for stamping on the date shown above.

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

Date 2008/04/08 Signed [Signature]

(Authorized Nuclear Inspector)

Commissions

C. CAMPANA QC # 9969

Regie du Batiment du Quebec

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 Oct. 23rd 2008
Name
40 Inverness Center Parkway
Birmingham, AL 35242
Address
2. Plant Farley Nuclear Plant Sheet 1 of 2
Name
Highway 95 South Columbia, Al 36319
Address
3. Work Performed by SNC Maintenance Dept Unit FNP 2
Name
Joseph M. Farley Nuclear Plant
Address
4. Identification of System AUXILIARY STEAM SYSTEM
5. (a) Applicable Construction Code SEE NOTE Edition, Addenda, Code Case
(b) Applicable Edition of Section XI Used for Repair/Replacement Activity 2001 EDITION W/ 2003 ADDENDA
(c) Applicable Section XI Code Case(s) NA
6. Identification Of Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Corrected, Removed, or Installed	ASME Code Stamped (Yes or No)
MECHANICAL SNUBBER	PACIFIC SCIENTIFIC	38337	NA	QP2244	1988	REMOVED	No
HYDRAULIC SNUBBER	LISEGA	30700561/068	NA	QP080176	2007	INSTALLED	No

7. Description of Work REPLACEMENT SNUBBER SS13721B WAS REPLACED DUE TO A SCHEDULED UPGRADE:
REFERENCE TRANSACTION # 141141 VT-3 WAS PERFORMED AFTER SNUBBER WAS INSTALLED

8. Test Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☐ Exempt ☒
Other ☒ Pressure psi Test Temp. °F
1/7/09

FORM NIS-2 (Back)

9. Remarks SUPPORTS DESIGNED TO AISC-1969 AND WELDED TO AWS D1.1-86.

Applicable Manufacturer's Data Reports to be attached

REFERENCE EQUIVALENCY DETERMINATION PDE S 96 0 0225

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 ASIA O. JERKINS TEAM LEADER Date 12/23/10
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the state or Province of GEORGIA and employed by HSB CT of HARTFORD, CT have inspected the components described in this Owner's Report during the period 9/30/08 to 1/13/09, 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.

Commissions GA 827 AIN
National Board, State, Province and Endorsements

Inspector's Signature

Date 1/13/09

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 Oct. 23rd 2008
Name
40 Inverness Center Parkway
Birmingham, AL 35242
Address
 Sheet 1 of 2
2. Plant Farley Nuclear Plant Unit FNP 2
Name
Highway 95 South Columbia, AL 36319
Address
N12-2062746401
Repair/Replacement Organization P.O. No., Job No., etc.
3. Work Performed by SNC Maintenance Dept Type Code Symbol Stamp N/A
Name Authorization No. N/A
Joseph M. Farley Nuclear Plant Expiration Date N/A
Address
4. Identification of System AUXILIARY STEAM SYSTEM
5. (a) Applicable Construction Code SEE NOTE Edition, Addenda, Code Case
 (b) Applicable Edition of Section XI Used for Repair/Replacement Activity 2001 EDITION W/ 2003 ADDENDA
 (c) Applicable Section XI Code Case(s) NA

6. Identification Of Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Corrected, Removed, or Installed	ASME Code Stamped (Yes or No)
MECHANICAL SNUBBER	PACIFIC SCIENTIFIC	2132	NA	QP 0542	1986	REMOVED	No
HYDRAULIC SNUBBER	LISEGA	30800149/020	NA	QP070076	2007	INSTALLED	No

7. Description of Work REPLACEMENT SNUBBER SS13721A WAS REPLACED DUE TO A SCHEDULED UPGRADE:
REFERENCE TRANSACTION # 141 VT-3 WAS PERFORMED AFTER SNUBBER WAS INSTALLED

8. Test Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☐ Exempt ☒
 Other ☒ Pressure psi Test Temp. °F
1/2/09

FORM NIS-2 (Back)

9. Remarks SUPPORTS DESIGNED TO AISC-1969 AND WELDED TO AWS D1.1-86.

Applicable Manufacturer's Data Reports to be attached

REFERENCE EQUIVALENCY DETERMINATION (ED) 96-0-0225. REV. 1

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 ASIA O JERRIAS TEAM LEADER Date 12/23/08
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the state or Province of GEORGIA and employed by HSB CT of HARTFORD, CT have inspected the components described in this Owner's Report during the period 9/30/08 to 1/13/09, 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 GA 827 AIN
National Board, State, Province and Endorsements

Date 1/13/09

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

As Required by the Provisions of the ASME Code, Section XI

1. Owner: Southern Nuclear Operating Co. Date: November 21, 2008
Name
40 Inverness Center Parkway; Birmingham, AL 35242
Address
2. Plant: Joseph M. Farley Nuclear Plant (FNP) Unit: FNP Unit 2
Name
7388 North State Hwy 95; Columbia, AL 36319
Address
3. Work Performed By: FNP Maintenance Department Work Order No.: N12 - 2071367201
Name
7388 North State Hwy 95; Columbia, AL 36319 Repair/Replacement Organization PO No, Job No, etc.
Address
Type Code Symbol Stamp: N/A
Authorization No.: N/A
Expiration Date: N/A
4. Identification of System: TPNS: Q2N12HV3226 (Steam to TDAFW Pump Auto Valve)
5. (a) Applicable Construction Code: Section III, 1986 Edition, None Addenda, None Code Case
Year
(b) Applicable Edition of Section XI Used for Repair/Replacement Activity: 2001 Addenda: 2003
Year
(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	Anchor/Darling Valve Co.	15	N/A	PO: QP-2538	1992	Removed	Yes
Valve Plug	Anderson Greenwood Crosby	N99576-36-0006	N/A	PO: QP060660	2006	Installed	Yes

7. Description of Work: Replaced valve plug in valve Q2N12HV3226.
8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☐ Exempt ☒
Other ☐ Pressure: _____ psi Test Temp.: _____ °F

NOTE: Supplemental sheets in 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 number of sheets is recorded at the top of this form.

FORM NIS-2 (Back)

9. Remarks Reference Transaction Number 146487 for issuance of new plug.

Applicable Manufacturer's Data Reports to be attached

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp: _____ N/A

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

Signed: Asia O. Jerkins Asia O. Jerkins, Maintenance Team Leader Date: 12/15/08
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of GEORGIA and employed by HSB CT of HARTFORD, CT have inspected the components described in this Owner's Report during the period 11/15/08 to 1/07/09, 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: GA 827 AIN
National Board, State, Province, and Endorsements

Date: 1/07/09

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

As required by the Provisions of the ASME Code, Section III, Division 1 - Not to Exceed One Day's Production

1. Manufactured and certified by Anderson Greenwood Crosby, 43 Kendrick St., Wrentham, MA 02093
(Name and Address of N Certificate Holder)

2. Manufactured for ALABAMA POWER COMPANY
(Name and Address of Purchaser or Owner)

3. Location of Installation FARLEY NUCLEAR PLANT
(Name and Address)

4. Type V500L-17 ASME SA479 TYPE 316 75,000 -- 2006
(drawing no.) (mat'l. spec. no.) (tensile strength) (CRN) (year built)

5. ASME Code, Section III, Division 1: 1986 NO 3 --
(edition) (addenda date) (class) (Code Case No.)

6. Fabricated in accordance with Const. Spec. (Div. 2 only) -- Revision -- Date --
(no.)

7. Remarks _____

8. Nom. thickness (in.) -- Min. design thickness (in.) -- Dia. ID (ft & in.) -- Length overall (ft & in.) --

9. When applicable, Certificate Holders' data reports are attached for each item of this report.

Part or Appurtenance Serial Number	National Board No. in Numerical Order	Part or Appurtenance Serial Number	National Board No. in Numerical Order
(1) <u>N99576-36-0006</u>		(26) _____	
(2) _____		(27) _____	
(3) _____		(28) _____	
(4) _____		(29) _____	
(5) _____		(30) _____	
(6) _____		(31) _____	
(7) _____		(32) _____	
(8) _____		(33) _____	
(9) _____		(34) _____	
(10) _____		(35) _____	
(11) _____		(36) _____	
(12) _____		(37) _____	
(13) _____		(38) _____	
(14) _____		(39) _____	
(15) _____		(40) _____	
(16) _____		(41) _____	
(17) _____		(42) _____	
(18) _____		(43) _____	
(19) _____		(44) _____	
(20) _____		(45) _____	
(21) _____		(46) _____	
(22) _____		(47) _____	
(23) _____		(48) _____	
(24) _____		(49) _____	
(25) _____		(50) _____	

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

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

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

Certificate Holder's Serial No. N99576-36-0006

CERTIFICATE OF DESIGN

Design specifications certified by AN NGOC NGUYEN P.E. State AL Reg. no. 15301
(when applicable)

Design report* certified by CHARLES DOWD P.E. State MA Reg. no. 39103
(when applicable)

CERTIFICATE OF COMPLIANCE

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

NPT Certificate of Authorization No. N-1877 Expires Sept. 30, 2007
Anderson Greenwood Crosby

Date 16-AUG-06 Signed Wrentham, MA by D. E. Tull
(NPT Certificate Holder) (Authorized Representative)

CERTIFICATE OF INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of MA and employed by HSB-CT of Hartford-CT have inspected these items described in this Data Report on 8-15, 2006 and state that to the best of my knowledge and belief, the Certificate Holder has fabricated these parts or appurtenances in accordance with the ASME Code, Section III, Division 1. Each part listed has been authorized for stamping on the date shown above.

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

Date Aug 16, 2006

Signed [Signature]
(Authorized Inspector)

Commissions MA - 1420 A. N. I.
(Nat'l. Bd. (incl. endorsements) and state or prov. and no.)

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

As Required by the Provisions of the ASME Code, Section XI

1. Owner: Southern Nuclear Operating Co. Date: November 14, 2008
Name
40 Inverness Center Parkway; Birmingham, AL 35242
Address
2. Plant: Joseph M. Farley Nuclear Plant (FNP) Unit: FNP Unit 2
Name
7388 North State Hwy 95; Columbia, AL 36319
Address
3. Work Performed By: FNP Maintenance Department Work Order No.: N12 - 2080689401
Name
7388 North State Hwy 95; Columbia, AL 36319 Address
Repair/Replacement Organization PO No, Job No, etc.
Type Code Symbol Stamp: N/A
Authorization No.: N/A
Expiration Date: N/A
4. Identification of System: TPNS: Q2N12V0006B (2C Steam Line to TDAFWP Isolation Valve), ASME Code Class 2
5. (a) Applicable Construction Code: Section III, 1968 * Edition, None Addenda, N/A Code Case
Year
(b) Applicable Edition of Section XI Used for Repair/Replacement Activity: 2001 Addenda: 2003
Year
(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	HT # E-8246 **	N/A	PO: FNP2-21	1973	Removed	No
Valve Bonnet	Velan	14469	N/A	PO: QP99-1102	2000	Installed	Yes

7. Description of Work: Replaced bonnet on valve Q2N12V0006B.
8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☒ Exempt ☐
Other ☐ Pressure: _____ psi Test Temp.: _____ °F

NOTE: Supplemental sheets in 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 number of sheets is recorded at the top of this form.

FORM NIS-2 (Back)

9. Remarks * The ASME Draft Pump & Valve Code was the construction code used for the original valve.

Applicable Manufacturer's Data Reports to be attached

** The serial number for the original valve assembly is 2157.

Reference Transaction Number 140023 for issuance of new bonnet.

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp:

N/A

Certificate of Authorization No.:

N/A

Expiration Date:

N/A

Signed:

Ron Tyler

Ron Tyler

Supt.

Acia O. Jenkins, Maintenance Team Leader

Date:

1/28/09

Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the

State or Province of

GEORGIA

and employed by

HSB

CT

of

HARTFORD, CT

have inspected the components described in this

Owner's Report during the period

1/14/08

to

1/28/09

, 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:

GA 827 ATN

National Board, State, Province, and Endorsements

Date:

1/28/09

2080689401

0018193 2726

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

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

S002021

Pg. 1 of 2

PAGE 3

1. Manufactured and certified by VELAN INC. 550 McARTHUR STREET; Montréal QUEBEC H4T 1X8 CANADA
(name and address of NPT Certificate Holder)

2. Manufactured for ALABAMA POWER COMPANY P.O. BOX 1295 BIRMINGHAM, ALABAMA USA
(name and address of Purchaser)

3. Location of installation APCO: FARLEY NUCLEAR PLANT - HWY 95S COLUMBIA, AL 36319 USA
(name and address)

4. Type: P2-0607-N7 / G SA-105 70,000 PSI (MIN) N/A 2000
(drawing no.) (mat'l. spec. no.) (tensile strength) (CRN) (year built)

5. ASME Code, Section III, Division 1: 1977 NONE 2 N/A
(edition) (addenda date) (class) (Code Case no.)

6. Fabricated in accordance with Const. Spec. (Div. 2 only) N/A Revision N/A Date N/A
NOTE LINE #5: EXCEPT MATERIAL SPEC. SUPPLIED IS TO ASME SEC. II CODE

7. Remarks: **EDITION 1989; ADDENDA: NONE.**

BONNET MAT'L. HEAT No.: 95285 Test No. 30403 (HARDFACED WITH STELLITE#6)

SPARE PART FOR: 3"-600# PRESSURE SEAL GATE VALVE c/w AIR OP. (FIGURE: B10-25PS-2TS)

8. Nom. thickness (in.) N/A Min. design thickness (in.) N/A Dia. ID (ft & in.) N/A Length overall (ft & in.) N/A

9. When applicable, Certificate Holders' Data Reports are attached for each item of this report:

Part or Appurtenance Serial Number	National Board No. in Numerical Order	Part or Appurtenance Serial Number	National Board No. in Numerical Order
(1) BONNET SN: 14469	N/A	(26)	
(2)		(27)	
(3)		(28)	
(4)		(29)	
(5)		(30)	
(6)		(31)	
(7)		(32)	
(8)		(33)	
(9)		(34)	
(10)		(35)	
(11)		(36)	
(12)		(37)	
(13)		(38)	
(14)		(39)	
(15)		(40)	
(16)		(41)	
(17)		(42)	
(18)		(43)	
(19)		(44)	
(20)		(45)	
(21)		(46)	
(22)		(47)	
(23)		(48)	
(24)		(49)	
(25)		(50)	

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

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

(12/88)

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

CERTIFICATION OF DESIGN

NOT REQUIRED

Design specifications certified by

P.E. State

N/A

Reg. no.

N/A

Design report* certified by

NOT APPLICABLE

P.E. State

N/A

Reg. no.

N/A

CERTIFICATE OF COMPLIANCE

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

3"-600# P/S GATE VALVE BONNET

NPT Certificate of Authorization No.

N2798-2 (NPT)

Expires

MAY 2, 2001

Date

08/24/00

Name

VELAN INC.

(NPT Certificate Holder)

Signed

(authorized representative)

CERTIFICATE OF INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of QUEBEC and employed by REGIE DU BATIMENT DU QUEBEC

QUEBEC

have inspected these items described in this Data Report on 2000-08-13, and state that to the best of my knowledge and belief, the Certificate Holder has fabricated these parts or appurtenances in accordance with the ASME Code, Section III, Division 1. Each part listed has been authorized for stamping on the date shown above.

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

Date 00-8-13

Signed

(authorized inspector)

Commissions

R. LAUZON

QC #8722

(Not to be used by the State or Province of QUEBEC and

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

As Required by the Provisions of the ASME Code, Section XI

1. Owner: Southern Nuclear Operating Co. Date: November 18, 2008
Name
40 Inverness Center Parkway; Birmingham, AL 35242
Address
2. Plant: Joseph M. Farley Nuclear Plant (FNP) Unit: FNP Unit 2
Name
7388 North State Hwy 95; Columbia, AL 36319
Address
3. Work Performed By: FNP Maintenance Department Work Order No.: N23 - 2072960701
Name *Repair/Replacement Organization PO No, Job No, etc.*
7388 North State Hwy 95; Columbia, AL 36319 Type Code Symbol Stamp: N/A
Address Authorization No.: N/A
Expiration Date: N/A
4. Identification of System: TPNS: Q2N23HV3228A (TDAFWP to 2A SG Valve)
5. (a) Applicable Construction Code: Section III, 1971 Edition, Summer 1972 Addenda, N/A Code Case
Year
(b) Applicable Edition of Section XI Used for Repair/Replacement Activity: 2001 Addenda: 2003
Year
(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)
Plug	Hammel-Dahl	72-9733-016 *	N/A	PO: FNP2-52 *	1976	Removed	Yes *
Plug	Flowserve	4 (HT # A4802)	N/A	PO: QP990321	1999	Installed	No

7. Description of Work: Replaced valve plug in valve Q2N23HV3228A.
8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☐ Exempt ☒
Other ☐ Pressure: _____ psi Test Temp.: _____ °F

NOTE: Supplemental sheets in 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 number of sheets is recorded at the top of this form.

FORM NIS-2 (Back)

9. Remarks * This serial number is for the entire valve assembly. The PO # and ASME stamping also refers to the valve assembly.

Applicable Manufacturer's Data Reports to be attached

Reference Transaction Number 145742 for issuance of new plug.

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp: _____ N/A

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

Signed: Asia O. Jerkins Asia O. Jerkins, Maintenance Team Leader Date: 12/15/08
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of GEORGIA and employed by HSB CT of HARTFORD, CT have inspected the components described in this Owner's Report during the period 11/09/09 to 11/13/09, 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: GA 827 AIN
Inspector's Signature National Board, State, Province, and Endorsements

Date: 1/13/09

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

As Required by the Provisions of the ASME Code, Section XI

1. Owner: Southern Nuclear Operating Co. Date: November 4, 2008
Name
40 Inverness Center Parkway; Birmingham, AL 35242 Sheet: 1 of 2
Address
2. Plant: Joseph M. Farley Nuclear Plant (FNP) Unit: FNP Unit 2
Name
7388 North State Hwy 95; Columbia, AL 36319 Work Order No.: N23 - 2082093101
Address Repair/Replacement Organization PO No, Job No, etc.
3. Work Performed By: FNP Maintenance Department Type Code Symbol Stamp: N/A
Name
7388 North State Hwy 95; Columbia, AL 36319 Authorization No.: N/A
Address Expiration Date: N/A
4. Identification of System: TPNS: Q2N23V0081B (MDAFW Pump 2B Suction Relief Valve)
5. (a) Applicable Construction Code: Section III, 1971 Edition, Winter 1971 Addenda, 1555 Code Case
Year
(b) Applicable Edition of Section XI Used for Repair/Replacement Activity: 2001 Addenda: 2003
Year
(c) Applicable Section XI Code Case(s): N/A

6. Identification of Components:

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Corrected, Removed, or Installed	ASME Code Stamped (Yes or No)
Relief Valve	Loneragan	210289-16-3	N/A	PO: FNP2-51	1979	Removed	Yes
Stud (Qty: 4)	Grinnell	Q2E21-HBC-48 *	N/A	N/A	Unk.	Removed	No
Relief Valve	AG Crosby	N99846-00-0003	N/A	QP040739	2005	Installed	Yes
Stud (Qty: 4)	Nova	HT # 77130	N/A	QP010367	2001	Installed	No

7. Description of Work: Replaced relief valve Q2N23V0081B and mounting studs.
8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☒ Exempt ☐
Other ☐ Pressure: _____ psi Test Temp.: _____ °F

NOTE: Supplemental sheets in 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 number of sheets is recorded at the top of this form.

FORM NIS-2 (Back)

9. Remarks FNP Piping Specification SS-1109-02 allows a construction code of ASME Section III, 1971 Edition thru 1983 Ed. with

Applicable Manufacturer's Data Reports to be attached

1984 Summer Addenda for bolting on this class line.

Reference Transaction Number 144555 for issuance of relief valve and Transaction number 145089 for issuance of studs.

* This is the Serial Number of inlet line to the relief valve.

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp:

N/A

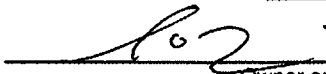
Certificate of Authorization No.:

N/A

Expiration Date:

N/A

Signed:



Asia O. Jerkins, Maintenance Team Leader

Date:

12/15/08

Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of GEORGIA and employed by HSB CT

of HARTFORD, CT

have inspected the components described in this

Owner's Report during the period

10/28/08

to

1/07/09

, 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:

6A 827 AIN

National Board, State, Province, and Endorsements

Date:

1/07/09

FORM NV-1 FOR SAFETY AND SAFETY RELIEF VALVES
As required by the Provisions of the ASME Code Rules

DATA REPORT

1. Manufactured By Anderson Greenwood Crosby, 43 Kendrick St., Wrentham, MA 02093
Name and Address
Model No. 9721851E Order No. U867640000 Contract Date 10/12/04 National Board No. ---

2. Manufactured For ALABAMA POWER COMPANY Order No. QP040739
Name and Address

3. Owner ALABAMA POWER COMPANY
Name and Address

4. Location of Plant FARLEY NUCLEAR PLANT

5. Valve Identification 162926 F Serial No. N99846-00-0003 Drawing No. DS-C-99846REV. B
Type SAFETY RELIEF Orifice Size 0.529 Pipe Size --- Inlet 1-1/2 Outlet 2
Safety, Safety Relief, Pilot, Power Actuated Inch Inch Inch
6. Set Pressure (PSIG) 150 140 ° F
Rated Temperature
Stamped Capacity 70 GPM WATER @ 70 DEGF @ 10 % Overpressure --- Blowdown (psig) 20%
Hydrostatic Test (PSIG) Inlet 425 Complete Valve 100

7. The material, design, construction and workmanship comply with ASME Code, Section III.
Class 3 Edition 1974 Addenda Date SUMMER 1975 Case No. N/A

Pressure Containing or Pressure Retaining Components

	Serial No. Identification	Material Specification Including Type or Grade
a. Castings		
Body	<u>---</u>	<u>---</u>
Bonnet	<u>---</u>	<u>---</u>
b. Bar Stock and Forgings		
Support Rods	<u>---</u>	<u>---</u>
Nozzle	<u>---</u>	<u>---</u>
Disc Insert	<u>N99915-NGOE</u> <u>N96444-66-0393</u>	<u>ASME SA479 TYPE 316</u>
Spring Washers	<u>N96444-67-0403</u>	<u>ASME SA193 GR. B6</u>
Adjusting Bolt	<u>N96388-68-0310</u>	<u>ASME SA193 GR. B6</u>
Spindle	<u>N96386-65-0205</u>	<u>ASME SA193 GR. B6</u>

1.1

	Serial No. Identification	Material Specification Including Type or Grade
c. Spring	NX5484-0079	ASTM A313 TYPE 316
d. Bolting	---	---
e. Other Parts such as Pilot Components		
Base	N99913-31-0003	ASME SA479 TYPE 316
Lap Joint Stub End	N99865-31-0003	ASME SA182 GR. F316
Lap Joint Flange	N96442-40-0025	ASME SA182 GR. F316
Cylinder	N99914-32-0006	ASME SA351 GR. CF8M
Weld Neck Flange	N99866-31-0003	ASME SA182 GR. F316

We certify that the statements made in this report are correct.

Date 4-AUG-05 20 Signed Anderson Greenwood Crosby
Wrentham, MA By D.E. TLO
Manufacturer

Certificate of Authorization No. N-1878 Expires 30-Sep-07
Date

CERTIFICATE OF SHOP INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of MA and employed by

HSB - CT

have inspected the equipment described in this Data Report on

8-4-2005 and state that to the best of my knowledge and belief, the Manufacturer has constructed this equipment in accordance with the applicable Subsections of ASME Section III.

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

Date Aug 4, 2005

(Inspector)

Commissions

MA-1420 A, N, I

(National Board, State, Province and No.)

g. 1.2

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

As Required by the Provisions of the ASME Code, Section XI

1. Owner: Southern Nuclear Operating Co.
Name

40 Inverness Center Parkway; Birmingham, AL 35242
Address

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

7388 North State Hwy 95; Columbia, AL 36319
Address

3. Work Performed By: FNP Maintenance Department
Name

7388 North State Hwy 95; Columbia, AL 36319
Address

Date: November 21, 2008

Sheet: 1 of 2

Unit: FNP Unit 2

Work Order No.: N23 - 2082197102 *

Repair/Replacement Organization PO No, Job No, etc.

Type Code Symbol Stamp: N/A

Authorization No.: N/A

Expiration Date: N/A

4. Identification of System: TPNS: Q2N23V0003 (TDAFWP Discharge Check Valve)

5. (a) Applicable Construction Code: Section III, 1968 Edition, Winter 1970 Addenda, N/A Code Case
Year

(b) Applicable Edition of Section XI Used for Repair/Replacement Activity: 2001 Addenda: 2003
Year

(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	Anchor Darling	3N-290	N/A	PO: FNP2-18	1974	Removed	Yes
Valve	Anchor Darling	EB396-18-5	N/A	PO: QP08-1053	1991	Installed	Yes

7. Description of Work: Replaced valve Q2N23V0003.

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

Other ☐ Pressure: psi Test Temp.: °F

NOTE: Supplemental sheets in 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 number of sheets is recorded at the top of this form.

FORM NIS-2 (Back)

9. Remarks * Work was originally begun on WO 2082054901 (the work order number changed when the scope of work changed).

Applicable Manufacturer's Data Reports to be attached

Reference Transaction Number 146433 for issuance of new valve.

The new valve installation was authorized under MDC2082197101.

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp:

N/A

Certificate of Authorization No.:

N/A

Expiration Date:

N/A

Signed:



Asia O. Jenkins, Maintenance Team Leader

Date:

12/15/08

Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the

State or Province of

GEORGIA

and employed by

HSB CT

of

HARTFORD, CT

have inspected the components described in this

Owner's Report during the period

11/14/08

to

1/08/09

, 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:

GA 827 AIN

National Board, State, Province, and Endorsements

Date:

1/08/09

As Required by the Provisions of the ASME Code, Section III, Division 1

1. Manufactured and certified by Anchor/Darling Valve Co., 501 First St., Williamsport, PA 17701
(name and address of N Certificate Holder)

2. Manufactured for Arizona Public Service Co., P.O. Box 53940, Phoenix, AZ 85072-3940
(name and address of Purchaser or Owner)

3. Location of installation Palo Verde Nuclear Generating Station, 4 Miles S. of Wintersburg, AZ
(name and address) 85072-3940

4. Model No., Series No., or Type TDC Drawing W9023213 Rev. A CRN ---

5. ASME Code, Section III, Division 1: 1974 Summer 1975 3 1635-1
(edition) (addenda date) (class) (Code Case no.)

6. Pump or valve Valve Nominal inlet size 6" Outlet size 6"
(in.) (in.)

7. Material: Body SA216-WCB Bonnet SA515-70 Disk SA216-WCB Cover Studs SA193-B7
Bolting Cover Nuts-SA194-2H

[illegible]

(12/86)

This form (E00037) may be obtained from the Order Dept., ASME, 22 Law Drive, Box 2300, Fairfield, NJ 07007-2300.

FORM NPV-1 (back)

8. Remarks 6"-900#-TDC Valve E-8396-18 Hinge Pin Covers, Heat No. 8897880
Gasket Retainer, Heat No. 6031334

The requirements of design specification 13-PM-221B Rev. 21 have been met.

9. Design conditions 2160 psi 100 °F or valve pressure class 900 (1)
(pressure) (temperature)
10. Cold working pressure 2160 psi at 100°F
11. Hydrostatic test 3250 psi. Disk differential test pressure 2200 psi

CERTIFICATION OF DESIGN

Design Specification certified by Don L. Kinnsch P.E. State Arizona Reg. no. 9709
Design Report certified by N/A P.E. State N/A Reg. no. N/A

CERTIFICATE OF SHOP COMPLIANCE

We certify that the statements made in this report are correct and that this pump or valve conforms to the rules for construction of the ASME Code, Section III, Division 1.

N Certificate of Authorization No. N1712 Expires 4/15/92

Date 2-27-91 Name Anchor/Darling Valve Company Signed Shirley D. Larson
(N Certificate Holder) (authorized representative)

CERTIFICATE OF SHOP INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State of Pennsylvania and employed by Commercial Union Ins. Co. of Boston, Mass. have inspected the pump, or valve, described in this Data Report on 2-27-91, 19 91, and state that to the best of my knowledge and belief, the Certificate Holder has constructed this pump, or valve, in accordance with the ASME Code, Section III, Division 1.

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

Date 2-27-91 Signed Charles J. Young Commission Pennsylvania 2392
(Natl. Bd. (incl. endorsement) state or prov. and no.)

(1) For manually operated valves only.

Form NIS-2 Owner's Report for Repairs or Replacements

RType : L1.52

As required by the provisions of the ASME Code Section XI

		Job Number N23-DCP-2071559501-01	Sheet 1 of 2																																																																																
1. Owner Southern Nuclear Operating Company 40 Inverness Center Parkway Birmingham, Alabama 35242 (as agent for Alabama Power Company)	2. Plant Farley Nuclear Plant Highway 95 South Columbia, Alabama 36319	Unit FNP 2 Date 11/4/08																																																																																	
3. Work performed by Name : <u>Southern Nuclear Operating Company Plant Modifications</u> Address : <u>Joseph M. Farley Nuclear Plant</u>		Type Code Symbol Stamp N/A Authorization Number N/A Expiration Date N/A																																																																																	
4. Identification of System <p style="text-align: center;">Q2N23- AUX FEEDWATER SYSTEM</p>																																																																																			
5. (a) Applicable Construction Code: <u>ASME Section III,</u> 19 <u>95</u> Edition <u>N/A</u> Addenda, <u>N/A</u> Code Case (b) Applicable Section XI Utilized For Repairs Or Replacements, 20 <u>01</u> Edition <u>2003</u> Addenda, <u>N/A</u> Code Case																																																																																			
6. Identification of Components Repaired or Replaced and Replacement Components: <table border="1" style="width:100%; border-collapse: collapse; text-align: center;"> <thead> <tr> <th style="width:12.5%;">Name of Component</th> <th style="width:12.5%;">Name of Manufacturer</th> <th style="width:12.5%;">Manufacturer Serial Number</th> <th style="width:12.5%;">National Board No.</th> <th style="width:12.5%;">Other Identification</th> <th style="width:12.5%;">Year Built</th> <th style="width:12.5%;">Repaired, Replaced, or Replacement</th> <th style="width:12.5%;">ASME Code Stamped (Yes / No)</th> </tr> </thead> <tbody> <tr> <td>AUX FDWTR PMP (TD) RECIR FLOW ORIFICE</td> <td>FLOWSERVE CORP</td> <td>017337</td> <td>70</td> <td>N2N23FO3219 P.O. FNP35</td> <td>1975</td> <td>REPLACED</td> <td>YES</td> </tr> <tr> <td>TDAFW PUMP MINIMUM FLOW CONTROL VALVE</td> <td>FISHER</td> <td>18527560</td> <td>7556</td> <td>Q2E23V082 P.O. QP071052 STOCK # 170495</td> <td>2008</td> <td>REPLACEMENT</td> <td>YES</td> </tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> </tbody> </table>				Name of Component	Name of Manufacturer	Manufacturer Serial Number	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes / No)	AUX FDWTR PMP (TD) RECIR FLOW ORIFICE	FLOWSERVE CORP	017337	70	N2N23FO3219 P.O. FNP35	1975	REPLACED	YES	TDAFW PUMP MINIMUM FLOW CONTROL VALVE	FISHER	18527560	7556	Q2E23V082 P.O. QP071052 STOCK # 170495	2008	REPLACEMENT	YES																																																								
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7. Description of Work FLOW ORIFICE N2N23FO3219 WAS REPLACED WITH A FISHER CONTROL VALVE Q2N23V082 PER WORKORDER 2071559502 AND DCP 2071559501																																																																																			
8. Test Conducted <input type="checkbox"/> Hydrostatic <input type="checkbox"/> Pneumatic <input checked="" type="checkbox"/> Normal Operating Pressure <input type="checkbox"/> None <input type="checkbox"/> Other Pressure <u>1540</u> PSI Temperature <u>N/A</u> °F																																																																																			

Form NIS-2 Owner's Report for Repairs or Replacements

As required by the provisions of the ASME Code Section XI

RType : L1.52

Job Number

N23-DCP-2071559501-01

Sheet 2 of 2

9. Remarks (Applicable Manufacturer's Data Reports to be attached)
MATERIAL TRANSACTION #: 141895

Certificate of Compliance

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

Type Code Symbol Stamp _____ N/A

Certificate of Authorization Number _____ N/A Expiration Date _____ N/A

Signed Rm Glen Plant MODS Supervisor Date 11/5/08
Owner or Owner's Designee, Title

Certificate of Inservice Inspection

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of GEORGIA and employed by HJB CT of HARTFORD CT have inspected the components described in this Owner's Report during the period 5/21/07 to 11/5/08, 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 loss of any kind arising from or connected with this inspection.

[Signature]
Inspector's Signature

Commissions

GA827 AIN NB#12564

National Board, State, Province, and Endorsements

Date

11/05/08

Pg. 1 of 2

[illegible]

*Supplemental information in form of lists, sketches, or drawings may be used provided (1) size is 8 1/2 x 11, (2) information in items 1 through 4 on this Data Report is included on each sheet, (3) each sheet is numbered and the number of sheets is recorded at the top of this form.

FORM NPV-1 (Back - Pg. 2 of 2)

Certificate Holder's Serial No. 18527560

8. Design conditions 1600 psi 150 °F or valve pressure class N/A (1)
(pressure) (temperature)
9. Cold working pressure 2160 psi at 100°F
10. Hydrostatic test 3375 psi. Disk differential test pressure 80 psi
11. Remarks: Design: ASME BPVC Sec III, Div 1, 1995 Edition, No Addenda, Class 3
Other: ASME BPVC Sec III, Div 1, 1995 Edition, No Addenda, Class 3

CERTIFICATION OF DESIGN

Design Specification certified by An Ngoc Nguyen P.E. State AL Reg. no. 15301
Design Report certified by N/A P.E. State N/A Reg. no. N/A

CERTIFICATE OF COMPLIANCE

We certify that the statements made in this report are correct and that this pump or valve conforms to the rules for construction of the ASME code, Section III, Division 1.

N Certificate of Authorization No. 1929 Expires 10-27-2010

Date 9/22/08 Name FISHER CONTROLS INT'L LLC Signed Finida Ward
(N Certificate Holder) (authorized representative)

CERTIFICATE OF INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Iowa
Province of Hartford Steam Boiler of CT and employed by Hartford, CT
have inspected the pump, or valve, described in this Data Report 9-23-08 and state that to the best of my knowledge and
on belief, the Certificate Holder has constructed this pump, or valve, in accordance with the ASME Code, Section III, Division 1.

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

Date 9-23-08 Signed Kent Cochran Commissions NB 7881 NBA 822 IA
(Authorized Inspector) (Nat'l. Bd. (include endorsements) and state or prov. and no.)

(1) For manually operated valves only.

Form NIS-2 Owner's Report for Repairs or Replacements

RType : L1.52

As required by the provisions of the ASME Code Section XI

		Job Number N23-DCP-2071559501-02	Sheet 1 of 2																																																																																
1. Owner Southern Nuclear Operating Company 40 Inverness Center Parkway Birmingham, Alabama 35242 (as agent for Alabama Power Company)	2. Plant Farley Nuclear Plant Highway 95 South Columbia, Alabama 36319	Unit FNP 2 <hr/> Date 11/5/08																																																																																	
3. Work performed by Name : <u>Southern Nuclear Operating Company Plant Modifications</u> Address : <u>Joseph M. Farley Nuclear Plant</u>		Type Code Symbol Stamp N/A <hr/> Authorization Number N/A <hr/> Expiration Date N/A																																																																																	
4. Identification of System Q2N23- AUX FEEDWATER SYSTEM																																																																																			
5. (a) Applicable Construction Code: <u>AISC</u> 19 <u>69</u> Edition <u>N/A</u> Addenda, <u>N/A</u> Code Case (b) Applicable Section XI Utilized For Repairs Or Replacements, 20 <u>01</u> Edition <u>2003</u> Addenda, <u>N/A</u> Code Case																																																																																			
6. Identification of Components Repaired or Replaced and Replacement Components: <table border="1" style="width:100%; border-collapse: collapse; text-align: center;"> <thead> <tr> <th style="width:12.5%;">Name of Component</th> <th style="width:12.5%;">Name of Manufacturer</th> <th style="width:12.5%;">Manufacturer Serial Number</th> <th style="width:12.5%;">National Board No.</th> <th style="width:12.5%;">Other Identification</th> <th style="width:12.5%;">Year Built</th> <th style="width:12.5%;">Repaired, Replaced, or Replacement</th> <th style="width:12.5%;">ASME Code Stamped (Yes / No)</th> </tr> </thead> <tbody> <tr> <td>PIPE SUPPORT</td> <td>DANIEL CONSTRUCTION</td> <td>SS-14599</td> <td>N/A</td> <td>PIECE # 1 HT #: 15677 PIECE # 5 HT #: HT-B35024</td> <td>1981</td> <td>REPLACED</td> <td>No</td> </tr> <tr> <td>PIPE SUPPORT</td> <td>SNC</td> <td>SS-14599</td> <td>N/A</td> <td>PIECE # 1 HT #: 15677 PIECE # 5 HT #: HT-B35024</td> <td>2008</td> <td>REPLACEMENT</td> <td>NO</td> </tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> </tbody> </table>				Name of Component	Name of Manufacturer	Manufacturer Serial Number	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes / No)	PIPE SUPPORT	DANIEL CONSTRUCTION	SS-14599	N/A	PIECE # 1 HT #: 15677 PIECE # 5 HT #: HT-B35024	1981	REPLACED	No	PIPE SUPPORT	SNC	SS-14599	N/A	PIECE # 1 HT #: 15677 PIECE # 5 HT #: HT-B35024	2008	REPLACEMENT	NO																																																								
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8. Test Conducted <input type="checkbox"/> Hydrostatic <input type="checkbox"/> Pneumatic <input type="checkbox"/> Normal Operating Pressure <input type="checkbox"/> None <input checked="" type="checkbox"/> Other Pressure <u>N/A</u> PSI Temperature <u>N/A</u> °F																																																																																			

Form NIS-2 Owner's Report for Repairs or Replacements

As required by the provisions of the ASME Code Section XI

RType : L1.52

Job Number

N23-DCP-2071559501-01

Sheet 2 of 2

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

PIECE # 5 WAS REMOVED FROM PIECE # 1 TO ALLOW ROOM TO INSTALL A NEW VALVE. PIECE #1 WAS RE-WELDED TO PIECE # 5, PER ORIGINAL DESIGN. WORK WAS COMPLETED PER WO 2071559502 AND DCP 2071559501. VT-3 INSPECTION PERFORMED SAT. SEE ATTACHED FOR VT-3 DOCUMENTATION.

Certificate of Compliance

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

Type Code Symbol Stamp _____ N/A

Certificate of Authorization Number _____ N/A Expiration Date _____ N/A

Signed R M Cleman Plant MODS Supervisor Date 11/6/08
Owner or Owner's Designee, Title

Certificate of Inservice Inspection

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of GEORGIA and employed by HSB CT of HARTFORD, CT have inspected the components described in this Owner's Report during the period 5/24/07 to 11/06/08, 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 loss of any kind arising from or connected with this inspection.

[Signature]
Inspector's Signature

Commissions

GA 827 AIN

National Board, State, Province, and Endorsements

Date

11/06/08

Southern Nuclear Operating Company		
Nuclear Management Instruction	Visual Examination (VT-3)	NMP-ES-024-203 Version 2.0 Page 13 of 17

Visual Examination of Pipe Hanger, Support or Restraint																																																																																		
Site/Unit: <u>FARLEY / TWO</u> Summary No.: <u>N/A</u> Workscope: <u>REINSTALL 54/1150T</u>	Procedure: <u>NMP-ES-024-203</u> Procedure Rev.: <u>2.0</u> Work Order No.: <u>2071559502</u>	Outage No.: <u>N/A</u> Report No.: <u>N/A</u> Page: <u>1</u> of <u>1</u>																																																																																
Code: <u>ASME SECT. IX</u> <small>CLASS 3</small> Cat./Item: <u>N/A</u> Location: <u>100' EL AWW. BLOC</u> Drawing No.: <u>SS-14599 SM 2002</u> Description: <u>PIPE ANCHOR</u> System ID: <u>Q2N23</u> Component ID: <u>SS-14599</u> Limitations: <u>NONE</u>																																																																																		
VT-1 <input type="checkbox"/> or VT-3 <input checked="" type="checkbox"/> DIRECT Light Meter Mfg.: <u>N/A</u> Serial No.: <u>N/A</u> Illumination: <u>N/A</u> Temp. Tool Mfg.: <u>N/A</u> Serial No.: <u>N/A</u> Surface Temp.: <u>AMB.</u> °F Resolution: <u>.105" CHARACTER CARD</u> System Condition: <u>IN OP</u> Visual Equipment/Aids: <u>FLASHLIGHT & MIRROR WELD GAGE</u>																																																																																		
Variable Spring Support <input type="checkbox"/> Constant Support <input type="checkbox"/> Restraint <input checked="" type="checkbox"/>																																																																																		
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Comments: <u>NONE</u>																																																																																		
Results: Sat <input checked="" type="checkbox"/> Unsat <input type="checkbox"/> NA <input type="checkbox"/>																																																																																		
Percent Of Coverage Obtained > 90%: <u>100%</u> Reviewed Previous Data: <u>N/A</u>																																																																																		
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Figure 1 – "Visual Examination of Component Supports"

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

As Required by the Provisions of the ASME Code, Section XI

1. Owner: Southern Nuclear Operating Co. Date: October 30, 2008
Name
40 Inverness Center Parkway; Birmingham, AL 35242
Address
2. Plant: Joseph M. Farley Nuclear Plant (FNP) Unit: FNP Unit 2
Name
7388 North State Hwy 95; Columbia, AL 36319
Address
3. Work Performed By: FNP Maintenance Department Work Order No.: P11 - 2082087401
Name Repair/Replacement Organization PO No, Job No, etc.
7388 North State Hwy 95; Columbia, AL 36319 Type Code Symbol Stamp: N/A
Address Authorization No.: N/A
Expiration Date: N/A
4. Identification of System: TPNS: Q2P11V512 (Degassification System Connection Valve)
5. (a) Applicable Construction Code: Section III, 1968 Edition, March 1970 Addenda, N/A Code Case
Year
(b) Applicable Edition of Section XI Used for Repair/Replacement Activity: 2001 Addenda: 2003
Year
(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 (Bonnet) (Qty: 12)	Texas Bolt Co.	HT # 40462	N/A	PO: FNP2-19	1977	Removed	No
Stud (Bonnet) (Qty:12)	Consolidated Power	HT # 731500	N/A	PO: QP080239	2008	Installed	No

7. Description of Work: Replaced complete set of body-to-bonnet studs on valve Q2P11V512.
8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☐ Exempt ☒
Other ☐ Pressure: _____ psi Test Temp.: _____ °F

NOTE: Supplemental sheets in 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 number of sheets is recorded at the top of this form.

FORM NIS-2 (Back)

9. Remarks Reference Transaction Number 144082 for issuance of new studs.

Applicable Manufacturer's Data Reports to be attached

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp: _____ N/A

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

Signed: _____ Asia O. Jerkins, Maintenance Team Leader Date: 12/15/08
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of GEORGIA and employed by HSB CT of HARTFORD, CT have inspected the components described in this Owner's Report during the period 10/28/08 to 1/08/09, 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: GA 827 AIN
National Board, State, Province, and Endorsements

Date: 1/08/09

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

As Required by the Provisions of the ASME Code, Section XI

1. Owner: Southern Nuclear Operating Co. Date: November 14, 2008
Name
40 Inverness Center Parkway; Birmingham, AL 35242
Address
2. Plant: Joseph M. Farley Nuclear Plant (FNP) Unit: FNP Unit 2
Name
7388 North State Hwy 95; Columbia, AL 36319
Address
3. Work Performed By: FNP Maintenance Department Work Order No.: P16 - 2050687101
Name Repair/Replacement Organization PO No, Job No, etc.
7388 North State Hwy 95; Columbia, AL 36319 Type Code Symbol Stamp: N/A
Address Authorization No.: N/A
Expiration Date: N/A
4. Identification of System: TPNS: Q2P16V218H (SW Return from Containment Cooler 2D Drain Valve), ASME Class 3
5. (a) Applicable Construction Code: Section III, 1971 Edition, Winter 1971 * Addenda, N/A Code Case
Year
(b) Applicable Edition of Section XI Used for Repair/Replacement Activity: 2001 Addenda: 2003
Year
(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)
Pipe	Consolidated Pipe	HT # 26963 ✓	N/A	PO:7047Q62575	1974	Removed	No
Valve	Kerotest	DX11-22 ✓	N/A	PO: FNP2-55	1975	Removed	Yes
90° Elbow	Ladish	HT # ZF2B ✓	N/A	PO:7047Q62656	1973	Removed	No
Pipe	Sandvik	HT # 512741 ✓	N/A	PO: QP071037	2008	Installed	No
Valve	BNL Industries	A070603-1-5 ✓	N/A	PO: QP070675	2007	Installed	Yes
90° Elbow	Bonney Forge	HT # 44012 ✓	N/A	PO: QP080237	2008	Installed	No

7. Description of Work: Replaced valve Q2P16V218H and upstream piping.
8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☒ Exempt ☐
Other ☐ Pressure: _____ psi Test Temp.: _____ °F

NOTE: Supplemental sheets in 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 number of sheets is recorded at the top of this form.

FORM NIS-2 (Back)

9. Remarks * Applicable Construction Code: ASME Section III, 1971 Edition with Winter 1971 Addenda, including Para. NB 6111.1(c)

Applicable Manufacturer's Data Reports to be attached

of the Winter 1972 Addenda.

Piping Specification SS1109-02 allows piping to use an applicable construction code of ASME Section III, 1971 Ed. thru 2000 Ed.

Reference Transaction Numbers 138164 and 139760 for issuance of new parts.

This work was completed under MDC 2080137701.

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp:

N/A

Certificate of Authorization No.:

N/A

Expiration Date:

N/A

Signed:

Ron Tyler

Ron Tyler Maint Supt
Asia O. Jenkins, Maintenance Team Leader

Date:

1/20/09

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 CONNECTICUT and employed by HSB CT

of HARTFORD, CT have inspected the components described in this

Owner's Report during the period 8/25/08 to 1/21/09, 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:

GA 827 AIN

National Board, State, Province, and Endorsements

Date:

1/21/09

1. Manufactured and certified by BNL Industries, Inc., 30 Industrial Park Rd., Vernon, CT, 06066
(name and address of N Certificate Holder)

2. Manufactured for Southern Nuclear Operating Co., PO Box 1295, Birmingham, AL 35201
(name and address of Purchaser)

3. Location of installation Farley Nuclear Plant, 7388 N State Highway 95, Columbia, AL 36319
(name and address)

4. Model No., Series No., or Type VALVE Drawing HBV-A2-20-0027 Rev. A CRN _____

5. ASME Code, Section III, Division 1: 1971 W'71, NB6111.1C of W'72 3 _____
(edition) (addenda date) (tolerance) (Code Case no.)

6. Pump or valve VALVE Nominal inlet size 2" Outlet size 2"
(in.) (in.)

7. Material: Body SA479 TY 316L Bonnet SA 479 TY316L Disk SA 479 TY316L Bolting SA193GrB8/SA194GrB8

[illegible]

* Supplemental information in form of lists, sketches, or drawings may be used provided (1) size is 8 1/2" x 11", (2) information in items 1 through 4 on this Data Report is included on each sheet, (3) each sheet is numbered and the number of sheets is recorded at the top of this form.

FORM NPV-1 (Back -- Pg. 2 of 2)

Certificate Holder's Serial No. A070603-1-(1 THRU 15)

8. Design conditions _____ psi _____ °F or valve pressure class ANSI 150# (1)
(pressure) (temperature)
9. Cold working pressure 230 psi at 100°F
10. Hydrostatic test 425 psi. Disk differential test pressure 320 psi
11. Remarks: _____

CERTIFICATION OF DESIGN

Design Specification certified by AN NGUYEN P.E. State AL Reg. no. 15301
 Design Report certified by _____ P.E. State _____ Reg. no. _____

CERTIFICATE OF COMPLIANCE

We certify that the statements made in this report are correct and that this pump or valve conforms to the rules for construction of the ASME Code, Section III, Division 1.

N Certificate of Authorization No. N-2882 Expires 11/10/07
 Date SEP 15 2007 Name BNL INDUSTRIES, INC. Signed [Signature]
(IN Certificate Holder) (authorized representative)

CERTIFICATE OF INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of CONNECTICUT and employed by ONEBEACON AMERICA INS. of BOSTON, MASS have inspected the pump, or valve, described in this Data Report on 9/19/07, and state that to the best of my knowledge and belief, the Certificate Holder has constructed this pump, or valve, in accordance with the ASME Code, Section III, Division 1.

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

Date 9/19/07 Signed [Signature] Commissions NB10641, A, N, CT1262
(Authorized Inspector) (Nat'l. Bd. (incl. endorsements) and state or prov. and no.)

(1) For manually operated valves only.

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

As Required by the Provisions of the ASME Code, Section XI

1. Owner: Southern Nuclear Operating Co.
Name40 Inverness Center Parkway; Birmingham, AL 35242

Address

2. Plant: Joseph M. Farley Nuclear Plant (FNP)
Name7388 North State Hwy 95; Columbia, AL 36319

Address

3. Work Performed By: FNP Maintenance Department
Name7388 North State Hwy 95; Columbia, AL 36319

Address

Date: November 14, 2008Sheet: 1 of 2Unit: FNP Unit 2Work Order No.: P16 - 2050697901

Repair/Replacement Organization PO No, Job No, etc.

Type Code Symbol Stamp: N/AAuthorization No.: N/AExpiration Date: N/A4. Identification of System: TPNS: Q2P16V216X (SW Return from Containment Cooler 2C Drain Valve), ASME Class 35. (a) Applicable Construction Code: Section III, 1971 Edition, Winter 1971 * Addenda, N/A Code Case
Year(b) Applicable Edition of Section XI Used for Repair/Replacement Activity: 2001 Addenda: 2003
Year(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)
Pipe	Consolidated Pipe	HT # 26963 ✓	N/A	PO:7047Q62575	1974	Removed	No
Valve	Kerotest	J02-11 ✓	N/A	PO: FNP2-55	1975	Removed	Yes
90° Elbow	Ladish	HT # ZF2B ✓	N/A	PO:7047Q62656	1973	Removed	No
Pipe	Sandvik	HT # 512741 ✓	N/A	PO: QP071037	2008	Installed	No
Valve	BNL Industries	A070603-1-10 ✓	N/A	PO: QP070675	2007	Installed	Yes
90° Elbow	Bonney Forge	HT # 44012 ✓	N/A	PO: QP080237	2008	Installed	No

7. Description of Work: Replaced valve Q2P16V216X and upstream piping.8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☒ Exempt ☐Other ☐ Pressure: _____ psi Test Temp.: _____ °F

NOTE: Supplemental sheets in 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 number of sheets is recorded at the top of this form.

FORM NIS-2 (Back)

9. Remarks * Applicable Construction Code: ASME Section III, 1971 Edition with Winter 1971 Addenda, including Para. NB 6111.1(c)

Applicable Manufacturer's Data Reports to be attached

of the Winter 1972 Addenda.

Piping Specification SS1109-02 allows piping to use an applicable construction code of ASME Section III, 1971 Ed. thru 2000 Ed.

Reference Transaction Numbers 138155 and 139776 for issuance of new parts.

This work was completed under MDC 2080137701.

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp:

N/A

Certificate of Authorization No.:

N/A

Expiration Date:

N/A

Signed:

Ron Tyler

Ron Tyler, Maintenance Supt.

Asia O. Jenkins, Maintenance Team Leader

Date:

1/20/09

Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of GEORGIA and employed by HSB CT

of HARTFORD, CT have inspected the components described in this

Owner's Report during the period 8/24/08 to 1/24/09, 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:

GA 827 AIN

National Board, State, Province, and Endorsements

Date:

1/24/09

Pg. 1 of 2

- [illegible]

112/001

This form (E00037) may be obtained from the Order Dept., ASME, 22 Law Drive, Box 2300, Fairfield, NJ 07007-2300.

FORM NPV-1 (Back — Pg. 2 of 2)

Certificate Holder's Serial No. A070603-1-(1 THRU 15)

8. Design conditions _____ psi _____ °F or valve pressure class ANSI 150# (1)
(pressure) (temperature)
9. Cold working pressure 230 psi at 100°F
10. Hydrostatic test 425 psi. Disk differential test pressure 320 psi
11. Remarks: _____

CERTIFICATION OF DESIGN

Design Specification certified by AN NGUYEN P.E. State AI Reg. no. 15301
 Design Report certified by _____ P.E. State _____ Reg. no. _____

CERTIFICATE OF COMPLIANCE

We certify that the statements made in this report are correct and that this pump or valve conforms to the rules for construction of the ASME Code, Section III, Division 1.

N Certificate of Authorization No. N-2882 Expires 11/10/07

Date SEP 15 2007 Name BNL INDUSTRIES, INC. Signed [Signature]
(IN Certificate Holder) (authorized representative)

CERTIFICATE OF INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of CONNECTICUT and employed by ONEBEACON AMERICA INS. of BOSTON, MASS have inspected the pump, or valve, described in this Data Report on 9/19/07, and state that to the best of my knowledge and belief, the Certificate Holder has constructed this pump, or valve, in accordance with the ASME Code, Section III, Division 1.

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

Date 9/19/07 Signed [Signature] Commissions NB106401, A, N, CT262
(Authorized Inspector) (Nat'l. Bd. Incl. endorsements) and state or prov. and no.]

(1) For manually operated valves only.

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

As Required by the Provisions of the ASME Code, Section XI

1. Owner: Southern Nuclear Operating Co.

Name

40 Inverness Center Parkway; Birmingham, AL 35242

Address

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

Name

7388 North State Hwy 95; Columbia, AL 36319

Address

3. Work Performed By: FNP Maintenance Department

Name

7388 North State Hwy 95; Columbia, AL 36319

Address

Date: May 27, 2008

Sheet: 1 of 2

Unit: FNP Unit 2

Work Order No.: P16 - 2070991001

Repair/Replacement Organization PO No, Job No, etc.

Type Code Symbol Stamp: N/A

Authorization No.: N/A

Expiration Date: N/A

4. Identification of System: TPNS: Q2P16V0603 (Train A Service Water Header Vac. Breaker Check Valve)

5. (a) Applicable Construction Code: Section III, 1971 Edition, Winter 1971 * Addenda, N/A Code Case
Year

(b) Applicable Edition of Section XI Used for Repair/Replacement Activity: 2001 Addenda: 2003
Year

(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 Disc	Kerotest	CS6-2 **	N/A	PO: FNP2-55	1975	Removed	Yes
Valve Disc	Flowserve	150717-33	N/A	PO: QP040788	2005	Installed	Yes

7. Description of Work: Replaced disc in valve Q2P16V603.

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

Other ☐ Pressure: psi Test Temp.: °F

NOTE: Supplemental sheets in 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 number of sheets is recorded at the top of this form.

FORM NIS-2 (Back)

9. Remarks * Applicable Construction Code: ASME Section III, 1971 Edition with Winter 1971 Addenda and Para. NB6111.1(c) of Winter 1972 Addenda.
Applicable Manufacturer's Data Reports to be attached

** Whole Valve Assembly Number was CS6-2, the disc was given material code DJ & DZ.

Reference Transaction Number 134019 for issuance of new disc.

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp: _____ N/A

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

Signed: Asia O. Jenkins Asia O. Jenkins, Maintenance Team Leader Date: 12/23/08
 Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of GEORGIA and employed by HSB CT of HARTFORD, CT have inspected the components described in this Owner's Report during the period 4/23/08 to 1/07/09, 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: GA 827 AIN
 National Board, State, Province, and Endorsements

Date: 1/07/09

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

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

Pg. 1 of 2

1. Manufactured and certified by Flowserve Corp., 1900 S. Saunders St., Raleigh, NC 27603
(Name and Address of NPT Certificate Holder)
2. Manufactured for Alabama Power Company/PO Box 2641 Birmingham, AL 352910000
(Name and Address of Purchaser)
3. Location of Installation Alabama Power Company/Farley Nuclear Plant/7388 North State Hwy. 95, Columbia, AL 36319
(Name and Address)
4. Type: AL-D-9911-(1) Rev. F SA479 T316 N/A N/A 2005
(drawing no.) (mat'l. spec. no.) (tensile strength) (CRN) (year built)
5. ASME Code, Section III, Division 1: 1971 Winter, 1971 1 N/A
(edition) (addenda date) (class) (Code Case no.)
6. Fabricated in accordance with Const. Spec. (Div. 2 only) N/A Revision N/A Date N/A
(no.)
7. Remarks: Disk for 2" 1500 lb Check Valve

SALES ORDER: 31910

8. Nom. Thickness (in.) N/A Min. design thickness PER#4 Dia. ID (ft & in.) N/A Length overall (ft & in.) N/A
9. When applicable, Certificate Holder's Data Reports are attached for each item of this report:

Part or Appurtenance Serial Number		National Board No. In Numerical Order		Part or Appurtenance Serial Number		National Board No. In Numerical Order	
(1)	150717-32		N/A	(26)			
(2)	150717-33		N/A	(27)			
(3)	150717-34		N/A	(28)			
(4)				(29)			
(5)				(30)			
(6)				(31)			
(7)				(32)			
(8)				(33)			
(9)				(34)			
(10)				(35)			
(11)				(36)			
(12)				(37)			
(13)				(38)			
(14)				(39)			
(15)				(40)			
(16)				(41)			
(17)				(42)			
(18)				(43)			
(19)				(44)			
(20)				(45)			
(21)				(46)			
(22)				(47)			
(23)				(48)			
(24)				(49)			
(25)				(50)			

10. Design pressure 2580 psi. Temp. 650 °F. Hydro. Test pressure N/A At temp. °F

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

FORM N-2 (Back-Pg. 2 of 2)

Certificate Holder's Serial Nos. 150717-33, 33 & 34

CERTIFICATION OF DESIGN

Design specification certified by _____ P.E. State _____ Reg. no. _____
Design Report * certified by _____ P.E. State _____ Reg. no. _____

CERTIFICATE OF COMPLIANCE

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

PARTS

NPT Certificate of Authorization
No. _____

N1563

Expires

11/26/2006

Date 2/15/05 Name Flowserve, Corp. Signed _____
(NPT Certificate Holder)

(authorized representative)

CERTIFICATE OF INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of North Carolina and employed by HSB-CT of Hartford Connecticut have inspected these items described in this Data Report on 2/15/05, and state that, to the best of my knowledge and belief, the Certificate Holder has fabricated these parts or appurtenances in accordance with the ASME Code, Section III, Division 1. Each part listed has been authorized for stamping on the date shown above.
By signing this certificate, neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the equipment described in this Data Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or loss of any kind arising from or connected with this inspection.

Date 2/15/05 Signed _____

(Authorized Inspector)

Commissions DC1421

(Nat'l. Bd. (incl. Endorsements) and state, prov. and no.)

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

As Required by the Provisions of the ASME Code, Section XI

1. Owner: Southern Nuclear Operating Co. Date: November 5, 2008
Name
40 Inverness Center Parkway; Birmingham, AL 35242
Address
2. Plant: Joseph M. Farley Nuclear Plant (FNP) Unit: FNP Unit 2
Name
7388 North State Hwy 95; Columbia, AL 36319
Address
3. Work Performed By: FNP Maintenance Department Work Order No.: P16 - 2071923501
Name *Repair/Replacement Organization PO No, Job No, etc.*
7388 North State Hwy 95; Columbia, AL 36319 Type Code Symbol Stamp: N/A
Address Authorization No.: N/A
 Expiration Date: N/A
4. Identification of System: TPNS: Q2P16V007C (2C CCW Heat Exchanger Service Water Outlet Isolation Valve)
5. (a) Applicable Construction Code: Section III, 1971 Edition, Winter 1971 Addenda, N/A Code Case
Year
 (b) Applicable Edition of Section XI Used for Repair/Replacement Activity: 2001 Addenda: 2003
Year
 (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	Henry Pratt	A000822	N/A	PO: FNP2-43	1974	Removed	Yes
Valve	Henry Pratt	D093607-1-2	N/A	PO: QP4070 *	1990	Installed	Yes
Bottom Cover Bolts (4)	Henry Pratt	HT # SA10295, Code LAF	N/A	PO: QP071083	2008	Installed *	Yes

7. Description of Work: Replaced valve Q2P16V007C.
8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☒ Exempt ☐
 Other ☐ Pressure: _____ psi Test Temp.: _____ °F

NOTE: Supplemental sheets in 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 number of sheets is recorded at the top of this form.

FORM NIS-2 (Back)

9. Remarks * The newly installed valve was refurbished under PO: QP071083. This refurbishment included the cover bolt replacement.

Applicable Manufacturer's Data Reports to be attached

Reference Transaction Number 144744 for issuance of New Valve.

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp: N/A

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

Signed: Asia O. Jerkins Asia O. Jerkins, Maintenance Team Leader Date: 12/15/08
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of GEORGIA and employed by HSB CT of HOMERSON, CT have inspected the components described in this Owner's Report during the period 11/02/08 to 1/08/09, 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: GA 827 AIN
National Board, State, Province, and Endorsements

Date: 1/08/09

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

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

Pg. 1 of 2

Manufactured and certified by: Henry Pratt Company, 401 South Highland Ave., Aurora, IL 60506, A Subsidiary of Mueller Company
(name and address of NPT Certificate Holder)

2. Manufactured for: Alabama Power/Sonopco, P.O. Box 1295, Birmingham, Alabama 35201
(name and address of purchaser)

3. Location of installation Farley Nuclear Plant, 7388 N. State Highway 95, Columbia, Alabama 36319
(name and address)

4. Type B-19938 Rev. 02 SA193 GR. B7 137,000 PSI N/A 2008
(drawing no.) (material Spec. no.) (tensile strength) (CRN) (year built)

5. ASME Code, Section III, Division 1: 1971 Winter 1971 3 N/A
(edition) (addenda date) (class) (Code Case no.)

6. Fabricated in accordance with Const. Spec. (Div. 2 only) _____ Revision _____ Date _____
(no.)

7. Remarks: Replaced 4 bottom cover bolts (Heat # SA10295, Coded: LAF). Note: Bottom cover bolts are too small to NPT stamp.

8. Nom. thickness _____ Min. design thickness _____ Diameter ID _____ Length overall _____

9. When applicable, Certificate Holders' Data Reports are attached for each item of this report:

Part or Appurtenance Serial Number	National Board No. in Numerical Order
(1) 4 pcs P/N 1337672 Heat #SA10295 coded: LAF	
(2)	
(3)	
(4)	
(5)	
(6)	
(7)	
(8)	
(9)	
(10)	
(11)	
(12)	
(13)	
(14)	
(15)	
(16)	
(17)	
(18)	
(19)	
(20)	
(21)	
(22)	
(23)	
(24)	
(25)	

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

10. Design pressure 150 psi Temp. 200 degrees F Hydro. Test pressure 450 psi at temp. _____
(when applicable)

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

(09/06)

FORM N-2 (Back - Pg 2 of 2)

Certificate Holder's Serial Nos. 974955DD-3-1 through 974955DD-3-1

CERTIFICATION OF DESIGN

Design Specifications certified by SABIN CROCKER, JR. P.E. State MA Reg. No. 2504
(when applicable)

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

CERTIFICATE OF COMPLIANCE

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

NPT Certificate of Authorization No. N-1031 Expires December 6, 2009
Date 10/29/08 Name Henry Pratt Company Signed [Signature]
(NPT Certificate Holder) (authorized representative)

CERTIFICATE OF INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Illinois and employed by HSBCT of Hartford, CT have inspected these items described in this Data Report on 102928, and state that to the best of my knowledge and belief, the Certificate Holder has fabricated these parts or appurtenances in accordance with the ASME Code, Section III, Division 1. Each part listed has been authorized for stamping on the date shown above.

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

Date 10-29-08 Signed [Signature] Commissions B-183
(Authorized Nuclear Inspector) (Nat'l. Bd. (incl. endorsements) and state or prov. and no.)

100-443887-100

[illegible]

This report (HARRIS) may be obtained from the Order Desk, ASAC, 22 Lee Ave., Box 2300, Fairfield, NJ 07007-2300

8. Remarks BODY DRAWING - C10163 REV. 0 DISC DRAWING - P599 REV. 0

9. Design conditions 150 200 °F or valve pressure class 150 (1)

10. Cold working pressure 260 psi at 100°F

11. Hydrostatic test 425 psi. Disk differential test pressure 165 psi

CERTIFICATION OF DESIGN			
Design Specification certified by	<u>SARIN CHOC KER, JR.</u>	P.E. State	<u>MASS.</u>
Design Report certified by	<u>N/A</u>	P.E. State	<u>N/A</u>
		Reg. no.	<u>2504</u>
			<u>N/A</u>

CERTIFICATE OF SHOP COMPLIANCE			
We certify that the statements made in this report are correct and that this pump or valve conforms to the rules for construction of the ASME Code, Section III, Division 1.			
In Certificate of Authorization No.	<u>N-1030</u>	Expires	<u>5/6/93</u>
Date	<u>11/7/90</u>	Place	<u>HENRY PRATT COMPANY</u>
			<u>(A Certificate Holder)</u>
		Sign	<u>William H. King, Jr.</u>
			<u>Authorized representative</u>

CERTIFICATE OF SHOP INSPECTION			
I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of <u>ILLINOIS</u> and employed by <u>H.B.I. & I. CO.</u>			
of <u>HARTFORD, CONNECTICUT</u> have inspected the pump, or valve, described in this Data Report on <u>November 7</u> , 19 <u>90</u> , and state that to the best of my knowledge and belief, the Certificate Holder has constructed this pump, or valve, in accordance with the ASME Code, Section III, Division 1.			
By signing this certificate, neither the inspector nor his employer makes any warranty, expressed or implied, concerning the component described in this Data Report. Furthermore, neither the inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection.			
Date	<u>11/7/90</u>	Sign	<u>Paul D. Fisher</u>
			<u>(Authorized Inspector)</u>
		Commission	<u>IL # 1474</u>
			<u>(Year 1 Exp. Date, unless otherwise stated on form, and no fee)</u>

(1) For manually operated valves only.

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

As Required by the Provisions of the ASME Code, Section XI

1. Owner: Southern Nuclear Operating Co.
Name

40 Inverness Center Parkway; Birmingham, AL 35242

Address

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

7388 North State Hwy 95; Columbia, AL 36319

Address

3. Work Performed By: FNP Maintenance Department
Name

7388 North State Hwy 95; Columbia, AL 36319

Address

Date: November 25, 2008

Sheet: 1 of 2

Unit: FNP Unit 2

Work Order No.: P16 - 2080116801

Repair/Replacement Organization PO No, Job No, etc.

Type Code Symbol Stamp: N/A

Authorization No.: N/A

Expiration Date: N/A

4. Identification of System: TPNS: Q2P16V216Q (SW Supply to Containment Cooler 2C Drain Valve), ASME Class 3

5. (a) Applicable Construction Code: Section III, 1971 Edition, Winter 1971 * Addenda, N/A Code Case
Year

(b) Applicable Edition of Section XI Used for Repair/Replacement Activity: 2001 Addenda: 2003
Year

(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)
Pipe	Quanex GST	HT # 285192 ✓	N/A	PO: QP1799	1987	Removed	No
Valve	Kerotest	J02-1 ✓	N/A	PO: FNP2-55	1975	Removed	Yes
Pipe	Sandvik	HT # 512741 ✓	N/A	PO: QP071037	2008	Installed	No
Valve	BNL Industries	A070809-1-70 ✓	N/A	PO: QP070775	2008	Installed	Yes

7. Description of Work: Replaced valve Q2P16V216Q and upstream piping.

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

Other ☐ Pressure: _____ psi Test Temp.: _____ °F

NOTE: Supplemental sheets in 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 number of sheets is recorded at the top of this form.

FORM NIS-2 (Back)

9. Remarks * Applicable Construction Code: ASME Section III, 1971 Edition with Winter 1971 Addenda, including Para. NB 6111.1(c)

Applicable Manufacturer's Data Reports to be attached

of the Winter 1972 Addenda.

Piping Specification SS1109-02 allows piping to use an applicable construction code of ASME Section III, 1971 Ed. thru 2000 Ed.

Reference Transaction Number 138138 for issuance of new parts.

This work was completed under MDC 2080137701.

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp:

N/A

Certificate of Authorization No.:

N/A

Expiration Date:

N/A

Signed:

Ron Tyler

Ron Tyler

Supt.

Asia G. Jenkins, Maintenance Team Leader

Date:

1/20/09

Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of GEORGIA and employed by HSB CT

of HARTFORD, CT have inspected the components described in this

Owner's Report during the period 5/24/08 to 1/22/09, 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: GA 827 A1N

National Board, State, Province, and Endorsements

Date:

1/22/09

FORM NPV-1 (Back — Pg. 2 of 2)

Certificate Holder's Serial No. A070809-1-(21 THRU 80)

8. Design conditions _____ psi _____ °F or valve pressure class ANSI 150# (1)
(pressure) (temperature)
9. Cold working pressure 230 psi at 100°F
10. Hydrostatic test 425 psi. Disk differential test pressure 320 psi
11. Remarks: _____

CERTIFICATION OF DESIGN

Design Specification certified by AN NGUYEN P.E. State AL Reg. no. 15301
 Design Report certified by _____ P.E. State _____ Reg. no. _____

CERTIFICATE OF COMPLIANCE

We certify that the statements made in this report are correct and that this pump or valve conforms to the rules for construction of the ASME Code, Section III, Division 1.

N Certificate of Authorization No. N-2882 Expires 11/10/10

Date 4-16-08 Name BNL INDUSTRIES, INC. Signed [Signature] QAR
(N Certificate Holder) (authorized representative)

CERTIFICATE OF INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of CONNECTICUT and employed by ONEBEACON AMERICA INS. of LYNN, MASS have inspected the pump, or valve, described in this Data Report on 4/16/08, and state that to the best of my knowledge and belief, the Certificate Holder has constructed this pump, or valve, in accordance with the ASME Code, Section III, Division 1.

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

Date 4/16/08 Signed [Signature] Commissions NB10644, A, N, CT262
(Authorized Inspector) (Nat'l. Bd. (incl. endorsements) and state or prov. and no.)

(1) For manually operated valves only.

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

As Required by the Provisions of the ASME Code, Section XI

1. Owner: Southern Nuclear Operating Co. Date: November 14, 2008
Name
40 Inverness Center Parkway; Birmingham, AL 35242
Address
2. Plant: Joseph M. Farley Nuclear Plant (FNP) Unit: FNP Unit 2
Name
7388 North State Hwy 95; Columbia, AL 36319
Address
3. Work Performed By: FNP Maintenance Department Work Order No.: P16 - 2080116901
Name Repair/Replacement Organization PO No, Job No, etc.
7388 North State Hwy 95; Columbia, AL 36319 Type Code Symbol Stamp: N/A
Address Authorization No.: N/A
Expiration Date: N/A
4. Identification of System: TPNS: Q2P16V216R (SW Return from Containment Cooler 2C Drain Valve), ASME Class 3
5. (a) Applicable Construction Code: Section III, 1971 Edition, Winter 1971 * Addenda, N/A Code Case
Year
(b) Applicable Edition of Section XI Used for Repair/Replacement Activity: 2001 Addenda: 2003
Year
(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)
Pipe	Consolidated Pipe	HT # 26963 ✓	N/A	PO:7047Q62575	1974	Removed	No
Valve	Kerotest	J02-2 ✓	N/A	PO: FNP2-55	1975	Removed	Yes
90° Elbow	Ladish	HT # ZF2B ✓	N/A	PO:7047Q62656	1973	Removed	No
Pipe	Sandvik	HT # 512741 ✓	N/A	PO: QP071037	2008	Installed	No
Valve	BNL Industries	A070809-1-35 ✓	N/A	PO: QP070775	2008	Installed	Yes
90° Elbow	Bonney Forge	HT # 44012 ✓	N/A	PO: QP070700	2008	Installed	No

7. Description of Work: Replaced valve Q2P16V216R and upstream piping.
8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☒ Exempt ☐
Other ☐ Pressure: _____ psi Test Temp.: _____ °F

NOTE: Supplemental sheets in 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 number of sheets is recorded at the top of this form.

FORM NIS-2 (Back)

9. Remarks * Applicable Construction Code: ASME Section III, 1971 Edition with Winter 1971 Addenda, including Para. NB 6111.1(c)

Applicable Manufacturer's Data Reports to be attached

of the Winter 1972 Addenda.

Piping Specification SS1109-02 allows piping to use an applicable construction code of ASME Section III, 1971 Ed. thru 2000 Ed.

Reference Transaction Number 138144 for issuance of new parts.

This work was completed under MDC 2080137701.

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp:

N/A

Certificate of Authorization No.:

N/A

Expiration Date:

N/A

Signed:

Ron Tyler

Ron Tyler

Supt.

Asia O. Jenkins, Maintenance Team Leader

Date:

1/20/09

Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of GEORGIA and employed by HSEB CT

of HARTFORD, CT have inspected the components described in this Owner's Report during the period 8/25/08 to 1/22/09, 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:

GA 827 AIN

National Board, State, Province, and Endorsements

Date:

1/22/09

Pg. 1 of 2

1. Manufactured and certified by BNL Industries, Inc., 30 Industrial Park Rd., Vernon, CT, 06066
(name and address of N Certificate Holder)

2. Manufactured for Southern Nuclear Operating Co., PO Box 1295, Birmingham, AL 35201
(name and address of Purchaser)

3. Location of installation Farley Nuclear Plant, 7388 N State Highway 95, Columbia, AL 36319
(name and address)

4. Model No., Series No., or Type VALVE Drawing HBV-A2-20-0027 Rev. A CRN _____

5. ASME Code, Section III, Division 1: 1971 W'71, NB6111.1C of W'72 3
(edition) (addenda date) (class) (Code Case no.)

6. Pump or valve VALVE Nominal Inlet size 2" Outlet size 2"
(in.) (in.)

7. Material: Body SA479 TY 316L Bonnet SA 479 TY316L Disk SA 479 TY316L Bolting SA193GrB8/SA194GrB8

[illegible]

* Supplemental information in form of lists, sketches, or drawings may be used provided (1) size is 8 1/2 x 11, (2) information in Items 1. through 4 on this Data Report is included on each sheet, (3) each sheet is numbered and the number of sheets is recorded at the top of this form.

FORM NPV-1 (Back - Pg. 2 of 2)

Certificate Holder's Serial No. A070809-1-(21 THRU 80)

8. Design conditions _____ psi _____ °F or valve pressure class ANSI 150# (1)
(pressure) (temperature)

9. Cold working pressure 230 psi at 100°F

10. Hydrostatic test 425 psi. Disk differential test pressure 320 psi

11. Remarks: _____

CERTIFICATION OF DESIGN

Design Specification certified by AN NGUYEN P.E. State AL Reg. no. 15301
Design Report certified by _____ P.E. State _____ Reg. no. _____

CERTIFICATE OF COMPLIANCE

We certify that the statements made in this report are correct and that this pump or valve conforms to the rules for construction of the ASME Code, Section III, Division 1.

N Certificate of Authorization No. N-2882 Expires 11/10/10

Date 4-16-08 Name BNL INDUSTRIES, INC. Signed [Signature] GAR
(N Certificate Holder) (authorized representative)

CERTIFICATE OF INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of CONNECTICUT and employed by ONEBEACON AMERICA INS. of LYNN, MASS have inspected the pump, or valve, described in this Data Report on 4/16/08, and state that to the best of my knowledge and belief, the Certificate Holder has constructed this pump, or valve, in accordance with the ASME Code, Section III, Division 1.

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

Date 4/16/08 Signed [Signature] Commissions NB10644, A.N. OTTLE
(Authorized Inspector) (Nat'l. Bd. Incl. endorsements and state or prov. and no.)

(1) For manually operated valves only.

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

As Required by the Provisions of the ASME Code, Section XI

1. Owner: Southern Nuclear Operating Co. Date: November 14, 2008
Name
40 Inverness Center Parkway; Birmingham, AL 35242
Address
2. Plant: Joseph M. Farley Nuclear Plant (FNP) Unit: FNP Unit 2
Name
7388 North State Hwy 95; Columbia, AL 36319
Address
3. Work Performed By: FNP Maintenance Department Work Order No.: P16 - 2080117001
Name Repair/Replacement Organization PO No, Job No, etc.
7388 North State Hwy 95; Columbia, AL 36319 Type Code Symbol Stamp: N/A
Address Authorization No.: N/A
Expiration Date: N/A
4. Identification of System: TPNS: Q2P16V216S (SW Supply to Containment Cooler 2C Drain Valve), ASME Class 3
5. (a) Applicable Construction Code: Section III, 1971 Edition, Winter 1971 * Addenda, N/A Code Case
Year
(b) Applicable Edition of Section XI Used for Repair/Replacement Activity: 2001 Addenda: 2003
Year
(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)
Pipe	Quanex GST	HT # 285192 ✓	N/A	PO: QP1799	1987	Removed	No
Valve	Kerotest	J02-3 ✓	N/A	PO: FNP2-55	1975	Removed	Yes
90° Elbow	Capitol	HT # R95R ✓	N/A	PO: QP2030	1987	Removed	No
Pipe	Sandvik	HT # 512741 ✓	N/A	PO: QP071037	2008	Installed	No
Valve	BNL Industries	A070809-1-14 ✓	N/A	PO: QP070775	2007	Installed	Yes
90° Elbow	Bonney Forge	HT # 44012 ✓	N/A	PO: QP080237	2008	Installed	No

7. Description of Work: Replaced valve Q2P16V216S and upstream piping.
8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☒ Exempt ☐
Other ☐ Pressure: _____ psi Test Temp.: _____ °F

NOTE: Supplemental sheets in 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 number of sheets is recorded at the top of this form.

FORM NIS-2 (Back)

9. Remarks * Applicable Construction Code: ASME Section III, 1971 Edition with Winter 1971 Addenda, including Para. NB 6111.1(c)

Applicable Manufacturer's Data Reports to be attached

of the Winter 1972 Addenda.

Piping Specification SS1109-02 allows piping to use an applicable construction code of ASME Section III, 1971 Ed. thru 2000 Ed.

Reference Transaction Number 138152 for issuance of new parts.

This work was completed under MDC 2080137701.

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp:

N/A

Certificate of Authorization No.:

N/A

Expiration Date:

N/A

Signed:

Ron Tyler

Ron Tyler Maintenance Supt.
~~Acia O. Jenkins, Maintenance Team Leader~~

Date:

1/20/09

Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of GEORGIA and employed by HSB CT

of HARTFORD, CT

have inspected the components described in this

Owner's Report during the period

8/13/08

to

1/22/09

, 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:

GA 827 ATN

National Board, State, Province, and Endorsements

Date:

1/22/09

Pg. 1 of 2

1. Manufactured and certified by BNL Industries, Inc., 30 Industrial Park Rd., Vernon, CT, 06066
(name and address of N Certificate Holder)

2. Manufactured for Southern Nuclear Operating Co., PO Box 1295, Birmingham, AL 35201
(name and address of Purchaser)

3. Location of installation Farley Nuclear Plant, 7388 N State Highway 95, Columbia, AL 36319
(name and address)

4. Model No., Series No., or Type VALVE Drawing HBV-A2-20-0027 Rev. A CRN

5. ASME Code, Section III, Division 1: 1971 W'71, NB6111.1C of W'72 3
(edition) (addenda date) (class) (Code Case no.)

6. Pump or valve VALVE Nominal inlet size 2" Outlet size 2"
(in.) (in.)

7. Material: Body SA479 TY 316L Bonnet SA 479 TY316L Disk SA 479 TY316L Bolting SA193GrB8/SA194Gr8B

[illegible]

* Supplemental information in form of lists, sketches, or drawings may be used provided (1) size is 8 1/2 x 11, (2) information in items 1 through 4 on this Data Report is included on each sheet, (3) each sheet is numbered and the number of sheets is recorded at the top of this form.

(12/88)

This form (E00037) may be obtained from the Order Dept., ASME, 22 Law Drive, Box 2300, Fairfield, NJ 07007-2300.

FORM NPV-1 (Back — Pg. 2 of 2)

Certificate Holder's Serial No. A070809-1-(1 THRU 20)

8. Design conditions _____ psi _____ °F or valve pressure class ANSI 150# (1)
(pressure) (temperature)
9. Cold working pressure 230 psi at 100°F
10. Hydrostatic test 425 psi. Disk differential test pressure 320 psi
11. Remarks: _____

CERTIFICATION OF DESIGN

Design Specification certified by AN NGUYEN P.E. State AL Reg. no. 15301
 Design Report certified by _____ P.E. State _____ Reg. no. _____

CERTIFICATE OF COMPLIANCE

We certify that the statements made in this report are correct and that this pump or valve conforms to the rules for construction of the ASME Code, Section III, Division 1.

N Certificate of Authorization No. N-2882 Expires 11/10/10
 Date 12-19-07 Name BNL INDUSTRIES, INC. Signed [Signature]
(N Certificate Holder) (Authorized representative)

CERTIFICATE OF INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of CONNECTICUT and employed by ONEBEACON AMERICA INS. of BOSTON, MASS have inspected the pump, or valve, described in this Data Report on 12/21/07 and state that to the best of my knowledge and belief, the Certificate Holder has constructed this pump, or valve, in accordance with the ASME Code, Section III, Division 1.

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

Date 12/21/07 Signed [Signature] Commissions NB/CT 44, A, N, CT262
(Authorized Inspector) (Nat'l. Bd. (incl. endorsements) and state or prov. and no.)

(1) For manually operated valves only.

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

As Required by the Provisions of the ASME Code, Section XI

1. Owner: Southern Nuclear Operating Co.
Name

40 Inverness Center Parkway; Birmingham, AL 35242
Address

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

7388 North State Hwy 95; Columbia, AL 36319
Address

3. Work Performed By: FNP Maintenance Department
Name

7388 North State Hwy 95; Columbia, AL 36319
Address

Date: November 20, 2008

Sheet: 1 of 2

Unit: FNP Unit 2

Work Order No.: P16 - 2080117101

Repair/Replacement Organization PO No, Job No, etc.

Type Code Symbol Stamp: N/A

Authorization No.: N/A

Expiration Date: N/A

4. Identification of System: TPNS: Q2P16V216T (SW Return from Containment Cooler 2C Drain Valve), ASME Class 3

5. (a) Applicable Construction Code: Section III, 1971 Edition, Winter 1971 * Addenda, N/A Code Case
Year

(b) Applicable Edition of Section XI Used for Repair/Replacement Activity: 2001 Addenda: 2003
Year

(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)
Pipe	Consolidated Pipe	HT # 26963 ✓	N/A	PO: 7047Q62575	1974	Removed	No
Valve	Kerotest	J02-4 ✓	N/A	PO: FNP2-55	1975	Removed	Yes
90° Elbow	Ladish	HT # ZF2B ✓	N/A	PO: 7047Q62656	1973	Removed	No
Pipe	Sandvik	HT # 512741 ✓	N/A	PO: QP071037	2008	Installed	No
Valve	BNL Industries	A070809-1-27 ✓	N/A	PO: QP070775	2008	Installed	Yes
90° Elbow	Bonney Forge	HT # 44012 ✓	N/A	PO: QP070700	2007	Installed	No

7. Description of Work: Replaced valve Q2P16V216T and upstream piping.

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

Other ☐ Pressure: _____ psi Test Temp.: _____ °F

NOTE: Supplemental sheets in 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 number of sheets is recorded at the top of this form.

FORM NIS-2 (Back)

9. Remarks * Applicable Construction Code: ASME Section III, 1971 Edition with Winter 1971 Addenda, including Para. NB 6111.1(c)

Applicable Manufacturer's Data Reports to be attached

of the Winter 1972 Addenda.

Piping Specification SS1109-02 allows piping to use an applicable construction code of ASME Section III, 1971 Ed. thru 2000 Ed.

Reference Transaction Numbers 139770 and 139758 for issuance of new parts.

This work was completed under MDC 2080137701.

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp:

N/A

Certificate of Authorization No.:

N/A

Expiration Date:

N/A

Signed:

Lon Tyler

Ron Tyler, Maintenance Supt
Asia O. Jenkins, Maintenance Team Leader

Date:

1/20/09

Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of GEORGIA and employed by RSB CT

of HARTFORD, CT have inspected the components described in this Owner's Report during the period 8/21/08 to 1/20/09, 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:

BA 827 A1W

National Board, State, Province, and Endorsements

Date:

1/22/09

FORM NPV-1 (Back — Pg. 2 of 2)

Certificate Holder's Serial No. A070809-1-(21 THRU 80)

8. Design conditions _____ psi _____ °F or valve pressure class ANST 150# (1)
(pressure) (temperature)

9. Cold working pressure 230 psi at 100°F

10. Hydrostatic test 425 psi. Disk differential test pressure 320 psi

11. Remarks: _____

CERTIFICATION OF DESIGN

Design Specification certified by AN NGUYEN P.E. State AL Reg. no. 15301
Design Report certified by _____ P.E. State _____ Reg. no. _____

CERTIFICATE OF COMPLIANCE

We certify that the statements made in this report are correct and that this pump or valve conforms to the rules for construction of the ASME Code, Section III, Division 1.

N Certificate of Authorization No. N-2882 Expires 11/10/10

Date 4-16-08 Name BNL INDUSTRIES, INC. Signed [Signature] GAR
(N Certificate Holder) (authorized representative)

CERTIFICATE OF INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of CONNECTICUT and employed by ONEBEACON AMERICA INS. of LYNN, MASS have inspected the pump, or valve, described in this Data Report on 4/16/08, and state that to the best of my knowledge and belief, the Certificate Holder has constructed this pump, or valve, in accordance with the ASME Code, Section III, Division 1.

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

Date 4/16/08 Signed [Signature] Commissions NB10644, A, N, CT202
(Authorized Inspector) (Nat'l Bd. (incl. endorsements) and state or prov. and no.)

(1) For manually operated valves only.

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

As Required by the Provisions of the ASME Code, Section XI

1. Owner: Southern Nuclear Operating Co.
Name

40 Inverness Center Parkway; Birmingham, AL 35242
Address

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

7388 North State Hwy 95; Columbia, AL 36319
Address

3. Work Performed By: FNP Maintenance Department
Name

7388 North State Hwy 95; Columbia, AL 36319
Address

Date: November 14, 2008

Sheet: 1 of 2

Unit: FNP Unit 2

Work Order No.: P16 - 2080117201

Repair/Replacement Organization PO No, Job No, etc.

Type Code Symbol Stamp: N/A

Authorization No.: N/A

Expiration Date: N/A

4. Identification of System: TPNS: Q2P16V216U (SW Supply to Containment Cooler 2C Drain Valve), ASME Class 3

5. (a) Applicable Construction Code: Section III, 1971 Edition, Winter 1971 * Addenda, N/A Code Case
Year

(b) Applicable Edition of Section XI Used for Repair/Replacement Activity: 2001 Addenda: 2003
Year

(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)
Pipe	Quanex GST	HT # 285192	N/A	PO: QP1799	1987	Removed	No
Valve	Kerotest	J02-5	N/A	PO: FNP2-55	1975	Removed	Yes
Pipe	Sandvik	HT # 512741	N/A	PO: QP071037	2008	Installed	No
Valve	BNL Industries	A070809-1-57	N/A	PO: QP070775	2008	Installed	Yes

7. Description of Work: Replaced valve Q2P16V216U and upstream piping.

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

NOTE: Supplemental sheets in 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 number of sheets is recorded at the top of this form.

FORM NIS-2 (Back)

9. Remarks * Applicable Construction Code: ASME Section III, 1971 Edition with Winter 1971 Addenda, including Para. NB 6111.1(c)

Applicable Manufacturer's Data Reports to be attached

of the Winter 1972 Addenda.

Piping Specification SS1109-02 allows piping to use an applicable construction code of ASME Section III, 1971 Ed. thru 2000 Ed.

Reference Transaction Number 138153 for issuance of new parts.

This work was completed under MDC 2080137701.

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp:

N/A

Certificate of Authorization No.:

N/A

Expiration Date:

N/A

Signed:

Ron Tyler

Ron Tyler, Maintenance Supt
Asia G. Jenkins, Maintenance Team Leader

Date:

1/20/09

Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of GEORGIA and employed by ASB CT

of HARTFORD, CT

have inspected the components described in this

Owner's Report during the period

8/12/08

to

1/22/09

, 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:

GA 827 AIN

National Board, State, Province, and Endorsements

Date:

1/22/09

FORM NPV-1 (Back — Pg. 2 of 2)

Certificate Holder's Serial No. A070809-1-(21 THRU 80)

8. Design conditions _____ psi _____ °F or valve pressure class ANSI 150# (1)
(pressure) (temperature)
9. Cold working pressure 230 psi at 100°F
10. Hydrostatic test 425 psi. Disk differential test pressure 320 psi
11. Remarks: _____

CERTIFICATION OF DESIGN

Design Specification certified by AN NGUYEN P.E. State AL Reg. no. 15301
 Design Report certified by _____ P.E. State _____ Reg. no. _____

CERTIFICATE OF COMPLIANCE

We certify that the statements made in this report are correct and that this pump or valve conforms to the rules for construction of the ASME Code, Section III, Division 1.

N Certificate of Authorization No. N-2882 Expires 11/10/10

Date 4-16-08 Name BNL INDUSTRIES, INC. Signed [Signature] QAR
(N Certificate Holder) (authorized representative)

CERTIFICATE OF INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of CONNECTICUT and employed by ONEBEACON AMERICA INS. of LYNN, MASS have inspected the pump, or valve, described in this Data Report on 4/16/08, and state that to the best of my knowledge and belief, the Certificate Holder has constructed this pump, or valve, in accordance with the ASME Code, Section III, Division 1.

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

Date 4/16/08 Signed [Signature] Commissions NB10644, A, N. CT2212
(Authorized Inspector) (Nat'l. Bd. (incl. endorsements) and state or prov. and no.)

(1) For manually operated valves only.

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

As Required by the Provisions of the ASME Code, Section XI

1. Owner: Southern Nuclear Operating Co. Date: November 14, 2008
Name
40 Inverness Center Parkway; Birmingham, AL 35242
Address
2. Plant: Joseph M. Farley Nuclear Plant (FNP) Unit: FNP Unit 2
Name
7388 North State Hwy 95; Columbia, AL 36319
Address
3. Work Performed By: FNP Maintenance Department Work Order No.: P16 - 2080117401
Name Repair/Replacement Organization PO No, Job No, etc.
7388 North State Hwy 95; Columbia, AL 36319 Type Code Symbol Stamp: N/A
Address Authorization No.: N/A
Expiration Date: N/A
4. Identification of System: TPNS: Q2P16V216V (SW Return from Containment Cooler 2C Drain Valve), ASME Class 3
5. (a) Applicable Construction Code: Section III, 1971 Edition, Winter 1971 * Addenda, N/A Code Case
Year
(b) Applicable Edition of Section XI Used for Repair/Replacement Activity: 2001 Addenda: 2003
Year
(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)
Pipe	Consolidated Pipe	HT # 26963 ✓	N/A	PO: 7047Q62575	1974	Removed	No
Valve	Kerotest	J02-9 ✓	N/A	PO: FNP2-55	1975	Removed	Yes
90° Elbow	Ladish	HT # ZF2B ✓	N/A	PO: 7047Q62656	1973	Removed	No
Pipe	Sandvik	HT # 512741 ✓	N/A	PO: QP071037	2008	Installed	No
Valve	BNL Industries	A070809-1-26 ✓	N/A	PO: QP070775	2008	Installed	Yes
90° Elbow	Bonney Forge	HT # 44012 ✓	N/A	PO: QP080237	2008	Installed	No

7. Description of Work: Replaced valve Q2P16V216V and upstream piping.
8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☒ Exempt ☐
Other ☐ Pressure: _____ psi Test Temp.: _____ °F

NOTE: Supplemental sheets in 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 number of sheets is recorded at the top of this form.

FORM NIS-2 (Back)

9. Remarks * Applicable Construction Code: ASME Section III, 1971 Edition with Winter 1971 Addenda, including Para. NB 6111.1(c)

Applicable Manufacturer's Data Reports to be attached

of the Winter 1972 Addenda.

Piping Specification SS1109-02 allows piping to use an applicable construction code of ASME Section III, 1971 Ed. thru 2000 Ed.

Reference Transaction Number 138158 for issuance of new parts.

This work was completed under MDC 2080137701.

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp:

N/A

Certificate of Authorization No.:

N/A

Expiration Date:

N/A

Signed:

Ron Tyler

Ron Tyler, Maintenance Supt.
Asia O. Jenkins, Maintenance Team Leader

Date:

1/20/09

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 GA and employed by HSB CR

of HARTFORD, CT have inspected the components described in this

Owner's Report during the period 8/13/08 to 1/22/09, 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:

GA 827 A1N

National Board, State, Province, and Endorsements

Date:

1/22/09

Pg. 1 of 2

FORM NPV-1 (Back - Pg. 2 of 2)

Certificate Holder's Serial No. A070809-1-(21 THRU 80)

8. Design conditions _____ psi _____ °F or valve pressure class ANSI 150# (1)
(pressure) (temperature)
9. Cold working pressure 230 psi at 100°F
10. Hydrostatic test 425 psi. Diak differential test pressure 320 psi
11. Remarks: _____

CERTIFICATION OF DESIGN

Design Specification certified by AN NGUYEN P.E. State AL Reg. no. 15301
 Design Report certified by _____ P.E. State _____ Reg. no. _____

CERTIFICATE OF COMPLIANCE

We certify that the statements made in this report are correct and that this pump or valve conforms to the rules for construction of the ASME Code, Section III, Division 1.

N Certificate of Authorization No. N-2882 Expires 11/10/10
 Date 4-16-08 Name BNL INDUSTRIES, INC. Signed [Signature] QAR
(N Certificate Holder) (authorized representative)

CERTIFICATE OF INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of CONNECTICUT and employed by ONEBEACON AMERICA INS. of LYNN, MASS 4/16/08 have inspected the pump, or valve, described in this Data Report on _____, and state that to the best of my knowledge and belief, the Certificate Holder has constructed this pump, or valve, in accordance with the ASME Code, Section III, Division 1.

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

Date 4/16/08 Signed [Signature] Commissions NB10644, A, N. CITLER
(Authorized Inspector) (Nat'l. Bd. (incl. endorsements) and state or prov. and no.)

(1) For manually operated valves only.

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

As Required by the Provisions of the ASME Code, Section XI

1. Owner: Southern Nuclear Operating Co.
Name
40 Inverness Center Parkway; Birmingham, AL 35242
Address

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

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

Date: November 14, 2008

Sheet: 1 of 2

Unit: FNP Unit 2

Work Order No.: P16 - 2080117501
Repair/Replacement Organization PO No, Job No, etc.

Type Code Symbol Stamp: N/A

Authorization No.: N/A

Expiration Date: N/A

4. Identification of System: TPNS: Q2P16V216W (SW Supply to Containment Cooler 2C Drain Valve), ASME Class 3

5. (a) Applicable Construction Code: Section III, 1971 Edition, Winter 1971 * Addenda, N/A Code Case
Year

(b) Applicable Edition of Section XI Used for Repair/Replacement Activity: 2001 Addenda: 2003
Year

(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)
Pipe	Quanex GST	HT # 285192 ✓	N/A	PO: QP1799	1987	Removed	No
Valve	Kerotest	J02-10 ✓	N/A	PO: FNP2-55	1975	Removed	Yes
90° Elbow	Capitol	HT # R95R ✓	N/A	PO: QP2030	1987	Removed	No
Pipe	Sandvik	HT # 512741 ✓	N/A	PO: QP071037	2008	Installed	No
Valve	BNL Industries	A070809-1-67 ✓	N/A	PO: QP070775	2008	Installed	Yes
90° Elbow	Bonney Forge	HT # 44012 ✓	N/A	PO: QP080237	2008	Installed	No

7. Description of Work: Replaced valve Q2P16V216W and upstream piping.

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

Other ☐ Pressure: _____ psi Test Temp.: _____ °F

NOTE: Supplemental sheets in 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 number of sheets is recorded at the top of this form.

FORM NIS-2 (Back)

9. Remarks * Applicable Construction Code: ASME Section III, 1971 Edition with Winter 1971 Addenda, including Para. NB 6111.1(c)

Applicable Manufacturer's Data Reports to be attached

of the Winter 1972 Addenda.

Piping Specification SS1109-02 allows piping to use an applicable construction code of ASME Section III, 1971 Ed. thru 2000 Ed.

Reference Transaction Number 138159 for issuance of new parts.

This work was completed under MDC 2080137701.

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp:

N/A

Certificate of Authorization No.:

N/A

Expiration Date:

N/A

Signed:

Ron Tyler

Ron Tyler, Maintenance Supt.

Asia O. Jenkins, Maintenance Team Leader

Date:

1/20/09

Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of GEORGIA and employed by HSB CT

of HARTFORD, CT have inspected the components described in this Owner's Report during the period 8/12/08 to 1/21/09, 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:

GA 827 AIN

National Board, State, Province, and Endorsements

Date:

1/21/09

FORM NPV-1 (Back — Pg. 2 of 2)

Certificate Holder's Serial No. A070809-1-(21 THRU 80)

8. Design conditions _____ psi _____ °F or valve pressure class ANSI 150# (1)
(pressure) (temperature)
9. Cold working pressure 230 psi at 100°F
10. Hydrostatic test 425 psi. Disk differential test pressure 320 psi
11. Remarks: _____

CERTIFICATION OF DESIGN

Design Specification certified by AN NGUYEN P.E. State AL Reg. no. 15301
 Design Report certified by _____ P.E. State _____ Reg. no. _____

CERTIFICATE OF COMPLIANCE

We certify that the statements made in this report are correct and that this pump or valve conforms to the rules for construction of the ASME Code, Section III, Division 1.

N Certificate of Authorization No. N-2882 Expires 11/10/10

Date 4-16-08 Name BNL INDUSTRIES, INC. Signed [Signature] GAR
(N Certificate Holder) (authorized representative)

CERTIFICATE OF INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of CONNECTICUT and employed by ONEBEACON AMERICA INS. of LYNN, MASS have inspected the pump, or valve, described in this Data Report on 4/16/08, and state that to the best of my knowledge and belief, the Certificate Holder has constructed this pump, or valve, in accordance with the ASME Code, Section III, Division 1.

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

Date 4/16/08 Signed [Signature] Commissions NB10644, A, N, CT2262
(Authorized Inspector) (Nat'l. Bd. (incl. endorsements) and state or prov. and no.)

(1) For manually operated valves only.

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

As Required by the Provisions of the ASME Code, Section XI

1. Owner: Southern Nuclear Operating Co. Date: November 14, 2008
Name
40 Inverness Center Parkway; Birmingham, AL 35242
Address
2. Plant: Joseph M. Farley Nuclear Plant (FNP) Unit: FNP Unit 2
Name
7388 North State Hwy 95; Columbia, AL 36319
Address
3. Work Performed By: FNP Maintenance Department Work Order No.: P16 - 2080117601
Name *Repair/Replacement Organization PO No, Job No, etc.*
7388 North State Hwy 95; Columbia, AL 36319 Type Code Symbol Stamp: N/A
Address Authorization No.: N/A
Expiration Date: N/A
4. Identification of System: TPNS: Q2P16V218A (SW Supply to Containment Cooler 2D Drain Valve), ASME Class 3
5. (a) Applicable Construction Code: Section III, 1971 Edition, Winter 1971 * Addenda, N/A Code Case
Year
(b) Applicable Edition of Section XI Used for Repair/Replacement Activity: 2001 Addenda: 2003
Year
(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)
Pipe	Quanex GST	HT # 285192	N/A	PO: QP1799	1987	Removed	No
Valve	Kerotest	CS14-23	N/A	PO: FNP2-55	1975	Removed	Yes
Pipe	Sandvik	HT # 512741	N/A	PO: QP071037	2008	Installed	No
Valve	BNL Industries	A070809-1-71	N/A	PO: QP070775	2008	Installed	Yes

7. Description of Work: Replaced valve Q2P16V218A and upstream piping.
8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☒ Exempt ☐
Other ☐ Pressure: _____ psi Test Temp.: _____ °F

NOTE: Supplemental sheets in 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 number of sheets is recorded at the top of this form.

FORM NIS-2 (Back)

9. Remarks * Applicable Construction Code: ASME Section III, 1971 Edition with Winter 1971 Addenda, including Para. NB 6111.1(c)

Applicable Manufacturer's Data Reports to be attached

of the Winter 1972 Addenda.

Piping Specification SS1109-02 allows piping to use an applicable construction code of ASME Section III, 1971 Ed. thru 2000 Ed.

Reference Transaction Number 138160 for issuance of new parts.

This work was completed under MDC 2080137701.

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp: _____ N/A

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

Signed: Asia O. Jerkins Asia O. Jerkins, Maintenance Team Leader Date: 1/2/09
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of GEORGIA and employed by HSB CT of HARTFORD, CT have inspected the components described in this Owner's Report during the period 8/29/08 to 1/14/09, 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: GA 827 AIN
National Board, State, Province, and Endorsements

Date: 1/14/09

FORM NPV-1 (Back - Pg. 2 of 2)

Certificate Holder's Serial No. A070809-1-(21 THRU 80)

8. Design conditions _____ psi _____ °F or valve pressure class ANSI 150# (1)
(pressure) (temperature)
9. Cold working pressure 230 psi at 100°F
10. Hydrostatic test 425 psi. Disk differential test pressure 320 psi
11. Remarks: _____

CERTIFICATION OF DESIGN

Design Specification certified by AN NGUYEN P.E. State AL Reg. no. 15301
 Design Report certified by _____ P.E. State _____ Reg. no. _____

CERTIFICATE OF COMPLIANCE

We certify that the statements made in this report are correct and that this pump or valve conforms to the rules for construction of the ASME Code, Section III, Division 1.

N Certificate of Authorization No. N-2882 Expires 11/10/10

Date 4-16-08 Name BNL INDUSTRIES, INC. Signed [Signature] GAR
(N Certificate Holder) (authorized representative)

CERTIFICATE OF INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of CONNECTICUT and employed by ONEBEACON AMERICA INS. of LYNN, MASS have inspected the pump, or valve, described in this Data Report on 4/16/08, and state that to the best of my knowledge and belief, the Certificate Holder has constructed this pump, or valve, in accordance with the ASME Code, Section III, Division 1.

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

Date 4/16/08 Signed [Signature] Commissions NB10644, & N. CT262
(Authorized Inspector) (Nat'l Bd. (incl. endorsements) and state or prov. and no.)

(1) For manually operated valves only.

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

As Required by the Provisions of the ASME Code, Section XI

1. Owner: Southern Nuclear Operating Co.
Name

40 Inverness Center Parkway; Birmingham, AL 35242

Address

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

7388 North State Hwy 95; Columbia, AL 36319

Address

3. Work Performed By: FNP Maintenance Department
Name

7388 North State Hwy 95; Columbia, AL 36319

Address

Date: November 14, 2008

Sheet: 1 of 2

Unit: FNP Unit 2

Work Order No.: P16 - 2080117701

Repair/Replacement Organization PO No, Job No, etc.

Type Code Symbol Stamp: N/A

Authorization No.: N/A

Expiration Date: N/A

4. Identification of System: TPNS: Q2P16V218B (SW Return from Containment Cooler 2D Drain Valve), ASME Class 3

5. (a) Applicable Construction Code: Section III, 1971 Edition, Winter 1971 * Addenda, N/A Code Case
Year

(b) Applicable Edition of Section XI Used for Repair/Replacement Activity: 2001 Addenda: 2003
Year

(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)
Pipe	Consolidated Pipe	HT # 26963	N/A	PO: 7047Q62575	1974	Removed	No
Valve	Kerotest	CS14-25	N/A	PO: FNP2-55	1975	Removed	Yes
90° Elbow	Ladish	HT # ZF2B	N/A	PO: 7047Q62656	1973	Removed	No
Pipe	Sandvik	HT # 512741	N/A	PO: QP071037	2008	Installed	No
Valve	BNL Industries	A070809-1-22	N/A	PO: QP070775	2008	Installed	Yes
90° Elbow	Bonney Forge	HT # 44012	N/A	PO: QP080237	2008	Installed	No

7. Description of Work: Replaced valve Q2P16V218B and upstream piping.

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

Other ☐ Pressure: _____ psi Test Temp.: _____ °F

NOTE: Supplemental sheets in 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 number of sheets is recorded at the top of this form.

FORM NIS-2 (Back)

9. Remarks * Applicable Construction Code: ASME Section III, 1971 Edition with Winter 1971 Addenda, including Para. NB 6111.1(c)

Applicable Manufacturer's Data Reports to be attached

of the Winter 1972 Addenda.

Piping Specification SS1109-02 allows piping to use an applicable construction code of ASME Section III, 1971 Ed. thru 2000 Ed.

Reference Transaction Number 138161 for issuance of new parts.

This work was completed under MDC 2080137701.

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp:

N/A

Certificate of Authorization No.:

N/A

Expiration Date:

N/A

Signed:

Ron Tyler

Ron Tyler, Maintenance Supt.

Acie O. Jenkins, Maintenance Team Leader

Date:

1/20/09

Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of GEORGIA and employed by HCB CT

of HARTFORD, CT

have inspected the components described in this

Owner's Report during the period

8/25/08

to

1/21/09

, 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:

GA 827 AIN

National Board, State, Province, and Endorsements

Date:

1/21/09

Pg. 1 of 2

- * Supplemental information in form of lists, sketches, or drawings may be used provided (1) size is 8 1/2 x 11, (2) information in Items 1. through 4 on this Data Report is included on each sheet, (3) each sheet is numbered and the number of sheets is recorded at the top of this form.

FORM NPV-1 (Back — Pg. 2 of 2)

Certificate Holder's Serial No. A070809-1-(21 THRU 80)

8. Design conditions _____ psi _____ °F or valve pressure class ANSI 150# (1)
(pressure) (temperature)

9. Cold working pressure 230 psi at 100°F

10. Hydrostatic test 425 psi. Disk differential test pressure 320 psi

11. Remarks: _____

CERTIFICATION OF DESIGN

Design Specification certified by AN NGUYEN P.E. State AL Reg. no. 15301
Design Report certified by _____ P.E. State _____ Reg. no. _____

CERTIFICATE OF COMPLIANCE

We certify that the statements made in this report are correct and that this pump or valve conforms to the rules for construction of the ASME Code, Section III, Division 1.

N Certificate of Authorization No. N-2882 Expires 11/10/10

Date 4-16-08 Name BNL INDUSTRIES, INC. Signed [Signature] QAR
(N Certificate Holder) (authorized representative)

CERTIFICATE OF INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of CONNECTICUT and employed by ONEBEACON AMERICA INS. of LYNN, MASS 4/16/08 have inspected the pump, or valve, described in this Data Report on _____, and state that to the best of my knowledge and belief, the Certificate Holder has constructed this pump, or valve, in accordance with the ASME Code, Section III, Division 1.

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

Date 4/16/08 Signed [Signature] Commissions NB10644, A, N. CT202
(Authorized Inspector) (Nat'l. Bd. (incl. endorsements) and state or prov. and no.)

(1) For manually operated valves only.

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

As Required by the Provisions of the ASME Code, Section XI

1. Owner: Southern Nuclear Operating Co.
Name

40 Inverness Center Parkway; Birmingham, AL 35242
Address

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

7388 North State Hwy 95; Columbia, AL 36319
Address

3. Work Performed By: FNP Maintenance Department
Name

7388 North State Hwy 95; Columbia, AL 36319
Address

Date: November 14, 2008

Sheet: 1 of 2

Unit: FNP Unit 2

Work Order No.: P16 - 2080117801

Repair/Replacement Organization PO No, Job No, etc.

Type Code Symbol Stamp: N/A

Authorization No.: N/A

Expiration Date: N/A

4. Identification of System: TPNS: Q2P16V218C (SW Supply to Containment Cooler 2D Drain Valve), ASME Class 3

5. (a) Applicable Construction Code: Section III, 1971 Edition, Winter 1971 * Addenda, N/A Code Case
Year

(b) Applicable Edition of Section XI Used for Repair/Replacement Activity: 2001 Addenda: 2003
Year

(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)
Pipe	Quanex GST	HT # 285192	N/A	PO: QP1799	1987	Removed	No
Valve	Kerotest	DX5-22	N/A	PO: FNP2-55	1975	Removed	Yes
Pipe	Sandvik	HT # 512741	N/A	PO: QP071037	2008	Installed	No
Valve	BNL Industries	A070603-1-6	N/A	PO: QP070675	2007	Installed	Yes

7. Description of Work: Replaced valve Q2P16V218C and upstream piping.

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

NOTE: Supplemental sheets in 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 number of sheets is recorded at the top of this form.

FORM NIS-2 (Back)

9. Remarks * Applicable Construction Code: ASME Section III, 1971 Edition with Winter 1971 Addenda, including Para. NB 6111.1(c)

Applicable Manufacturer's Data Reports to be attached

of the Winter 1972 Addenda.

Piping Specification SS1109-02 allows piping to use an applicable construction code of ASME Section III, 1971 Ed. thru 2000 Ed.

Reference Transaction Number 138157 for issuance of new parts.

This work was completed under MDC 2080137701.

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp:

N/A

Certificate of Authorization No.:

N/A

Expiration Date:

N/A

Signed:

Ron Tyler

Ron Tyler, Maintenance Supt.

Asia O. Jenkins, Maintenance Team Leader

Date:

1/20/09

Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of GEORGIA and employed by HBB CT

of HARTFORD, CT

have inspected the components described in this

Owner's Report during the period

8/25/08

to

1/20/09

, 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:

GA 807 APN

National Board, State, Province, and Endorsements

Date:

1/21/09

1. Manufactured and certified by BNL Industries, Inc., 30 Industrial Park Rd., Vernon, CT, 06066
(name and address of N Certificate Holder)

2. Manufactured for Southern Nuclear Operating Co., PO Box 1295, Birmingham, AL 35201
(name and address of Purchaser)

3. Location of installation Farley Nuclear Plant, 7388 N State Highway 95, Columbia, AL 36319
(name and address)

4. Model No., Series No., or Type VALVE Drawing HBV-A2-20-0027 Rev. A CFN

5. ASME Code, Section III, Division 1: 1971 W'71, NB6111.1C of W'72 3
(edition) (addenda desc'd) (class) (Code Case no.)

6. Pump or valve VALVE Nominal inlet size 2" Outlet size 2"
(in.) (in.)

7. Material: Body SA479 TY 316L Bonnet SA 479 TY316L Disk SA 479 TY316L Bolting SA193GrB8/SA194GrB8

[illegible]

* Supplemental information in form of lists, sketches, or drawings may be used provided (1) size is 8 1/2 x 11, (2) information in items 1 through 4 on this Data Report is included on each sheet, (3) each sheet is numbered and the number of sheets is recorded at the top of this form.

(12/08)

This form (E00037) may be obtained from the Order Dept., ASME, 22 Law Drive, Box 2300, Fairfield, NJ 07007-2300.

FORM NPV-1 (Back — Pg. 2 of 2)

Certificate Holder's Serial No. A070603-1-(1 THRU 15)

8. Design conditions _____ (pressure) _____ psi _____ (temperature) _____ °F or valve pressure class ANSI 150# (1)

9. Cold working pressure 230 psi at 100°F

10. Hydrostatic test 425 psi. Disk differential test pressure 320 psi

11. Remarks: _____

CERTIFICATION OF DESIGN

Design Specification certified by AN NGUYEN P.E. State AL Reg. no. 15301
 Design Report certified by _____ P.E. State _____ Reg. no. _____

CERTIFICATE OF COMPLIANCE

We certify that the statements made in this report are correct and that this pump or valve conforms to the rules for construction of the ASME Code, Section III, Division 1.

N Certificate of Authorization No. N-2882 Expires 11/10/07
 Date SEP 15 2007 Name BNL INDUSTRIES, INC. Signed [Signature]
 (N Certificate Holder) (authorized representative)

CERTIFICATE OF INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of CONNECTICUT and employed by ONEBEACON AMERICA INS. of BOSTON, MASS 9/19/07 have inspected the pump, or valve, described in this Data Report on _____ and state that to the best of my knowledge and belief, the Certificate Holder has constructed this pump, or valve, in accordance with the ASME Code, Section III, Division 1.

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

Date 9/19/07 Signed [Signature] Commissioners NB10641, A.N. CT262
 (Authorized Inspector) (Nat'l. Bd. Incl. endorsements) and state or prov. and no.)

(1) For manually operated valves only.

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

As Required by the Provisions of the ASME Code, Section XI

1. Owner: Southern Nuclear Operating Co. Date: November 14, 2008
Name
40 Inverness Center Parkway; Birmingham, AL 35242
Address
2. Plant: Joseph M. Farley Nuclear Plant (FNP) Unit: FNP Unit 2
Name
7388 North State Hwy 95; Columbia, AL 36319
Address
3. Work Performed By: FNP Maintenance Department Work Order No.: P16 - 2080117901
Name Repair/Replacement Organization PO No, Job No, etc.
7388 North State Hwy 95; Columbia, AL 36319 Type Code Symbol Stamp: N/A
Address Authorization No.: N/A
Expiration Date: N/A
4. Identification of System: TPNS: Q2P16V218D (SW Return from Containment Cooler 2D Drain Valve), ASME Class 3
5. (a) Applicable Construction Code: Section III, 1971 Edition, Winter 1971 * Addenda, N/A Code Case
Year
(b) Applicable Edition of Section XI Used for Repair/Replacement Activity: 2001 Addenda: 2003
Year
(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)
Pipe	Consolidated Pipe	HT # 26963 ✓	N/A	PO:7047Q62575	1974	Removed	No
Valve	Kerotest	DX5-24 ✓	N/A	PO: FNP2-55	1975	Removed	Yes
90° Elbow	Ladish	HT # ZF2B ✓	N/A	PO:7047Q62656	1973	Removed	No
Pipe	Sandvik	HT # 512741 ✓	N/A	PO: QP071037	2008	Installed	No
Valve	BNL Industries	A070809-1-39 ✓	N/A	PO: QP070775	2008	Installed	Yes
90° Elbow	Bonney Forge	HT # 44012 ✓	N/A	PO: QP080237	2008	Installed	No

7. Description of Work: Replaced valve Q2P16V218D and upstream piping.
8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☒ Exempt ☐
Other ☐ Pressure: _____ psi Test Temp.: _____ °F

NOTE: Supplemental sheets in 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 number of sheets is recorded at the top of this form.

FORM NIS-2 (Back)

9. Remarks * Applicable Construction Code: ASME Section III, 1971 Edition with Winter 1971 Addenda, including Para. NB 6111.1(c)

Applicable Manufacturer's Data Reports to be attached

of the Winter 1972 Addenda.

Piping Specification SS1109-02 allows piping to use an applicable construction code of ASME Section III, 1971 Ed. thru 2000 Ed.

Reference Transaction Numbers 138156 and 139773 for issuance of new parts.

This work was completed under MDC 2080137701.

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp:

N/A

Certificate of Authorization No.:

N/A

Expiration Date:

N/A

Signed:

Ron Tyler

Ron Tyler, Maintenance Supt.

Asia C. Jerkine, Maintenance Team Leader

Date:

1/20/09

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 CONNECTICUT and employed by HSB CT

of HARTFORD, CT have inspected the components described in this Owner's Report during the period 8/25/08 to 1/21/09, 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:

GA 827 AIN

National Board, State, Province, and Endorsements

Date:

1/21/09

FORM NPV-1 (Back — Pg. 2 of 2)

Certificate Holder's Serial No. A070809-1-(21 THRU 80)

8. Design conditions _____ psi _____ °F or valve pressure class ANST 150# (1)
(pressure) (temperature)
9. Cold working pressure 230 psi at 100°F
10. Hydrostatic test 425 psi. Disk differential test pressure 320 psi
11. Remarks: _____

CERTIFICATION OF DESIGN

Design Specification certified by AN NGUYEN P.E. State AL Reg. no. 15301
 Design Report certified by _____ P.E. State _____ Reg. no. _____

CERTIFICATE OF COMPLIANCE

We certify that the statements made in this report are correct and that this pump or valve conforms to the rules for construction of the ASME Code, Section III, Division 1.

N Certificate of Authorization No. N-2882 Expires 11/10/10

Date 4-16-08 Name BNL INDUSTRIES, INC. Signed [Signature] GAR
(N Certificate Holder) (authorized representative)

CERTIFICATE OF INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of CONNECTICUT and employed by ONEBEACON AMERICA INS. of LYNN, MASS have inspected the pump, or valve, described in this Data Report on 4/16/08, and state that to the best of my knowledge and belief, the Certificate Holder has constructed this pump, or valve, in accordance with the ASME Code, Section III, Division 1.

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

Date 4/16/08 Signed [Signature] Commissions NB10644, A, N, CT212
(Authorized Inspector) (Nat'l. Bd. (incl. endorsements) and state or prov. and no.)

(1) For manually operated valves only.

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

As Required by the Provisions of the ASME Code, Section XI

1. Owner: Southern Nuclear Operating Co.
Name

40 Inverness Center Parkway; Birmingham, AL 35242
Address

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

7388 North State Hwy 95; Columbia, AL 36319
Address

3. Work Performed By: FNP Maintenance Department
Name

7388 North State Hwy 95; Columbia, AL 36319
Address

Date: November 14, 2008

Sheet: 1 of 2

Unit: FNP Unit 2

Work Order No.: P16 - 2080118001

Repair/Replacement Organization PO No, Job No, etc.

Type Code Symbol Stamp: N/A

Authorization No.: N/A

Expiration Date: N/A

4. Identification of System: TPNS: Q2P16V218E (SW Supply to Containment Cooler 2D Drain Valve), ASME Class 3

5. (a) Applicable Construction Code: Section III, 1971 Edition, Winter 1971 * Addenda, N/A Code Case
Year

(b) Applicable Edition of Section XI Used for Repair/Replacement Activity: 2001 Addenda: 2003
Year

(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)
Pipe	Quanex GST	HT # 285192	N/A	PO: QP1799	1987	Removed	No
Valve	Kerotest	DX5-25	N/A	PO: FNP2-55	1975	Removed	Yes
Pipe	Sandvik	HT # 512741	N/A	PO: QP071037	2008	Installed	No
Valve	BNL Industries	A070809-1-69	N/A	PO: QP070775	2008	Installed	Yes

7. Description of Work: Replaced valve Q2P16V218E and upstream piping.

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

NOTE: Supplemental sheets in 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 number of sheets is recorded at the top of this form.

FORM NIS-2 (Back)

9. Remarks * Applicable Construction Code: ASME Section III, 1971 Edition with Winter 1971 Addenda, including Para. NB 6111.1(c)

Applicable Manufacturer's Data Reports to be attached

of the Winter 1972 Addenda.

Piping Specification SS1109-02 allows piping to use an applicable construction code of ASME Section III, 1971 Ed. thru 2000 Ed.

Reference Transaction Number 138146 for issuance of new valve. Pipe was issued under Transaction Numbers 138146 & 143753.

This work was completed under MDC 2080137701.

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp:

N/A

Certificate of Authorization No.:

N/A

Expiration Date:

N/A

Signed:

Ron Tyler

Ron Tyler, Maintenance Superintendent
Asia O. Jenkins, Maintenance Team Leader

Date:

1/20/09 *BLT*
1/20/09

Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the

State or Province of GEORGIA and employed by HSB CT

of HARTFORD, CT

have inspected the components described in this

Owner's Report during the period

8/12/08

to

1/24/09

, 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:

GA 827 AIN

National Board, State, Province, and Endorsements

Date:

1. Manufactured and certified by BNL Industries, Inc., 30 Industrial Park Rd., Vernon, CT, 06066
(name and address of N Certificate Holder)

2. Manufactured for Southern Nuclear Operating Co., PO Box 1295, Birmingham, AL 35201
(name and address of Purchaser)

3. Location of installation Farley Nuclear Plant, 7388 N State Highway 95, Columbia, AL 36319
(name and address)

4. Model No., Series No., or Type VALVE Drawing HBV-A2-20-0027 Rev. A CRN _____

5. ASME Code, Section III, Division 1: 1971 W'71, NB6111.1C of W'72 3
(edition) (addenda date) (class) (Code Case no.)

6. Pump or valve VALVE Nominal inlet size 2" Outlet size 2"
(In.) (In.)

7. Material: Body SA479 TY 316L Bonnet SA 479 TY316L Disk SA 479 TY316L Bolting SA193GrB8/SA194Gr8B

[illegible]

* Supplemental information in form of lists, sketches, or drawings may be used provided (1) size is 8 1/2 x 11, (2) information in items 1 through 4 on this Data Report is included on each sheet, (3) each sheet is numbered and the number of sheets is recorded at the top of this form.

FORM NPV-1 (Back — Pg. 2 of 2)

Certificate Holder's Serial No. A070809-1-(21 THRU 80)

8. Design conditions _____ psi _____ °F or valve pressure class ANSI 150# (1)
(pressure) (temperature)
9. Cold working pressure 230 psi at 100°F
10. Hydrostatic test 425 psi. Disk differential test pressure 320 psi
11. Remarks: _____

CERTIFICATION OF DESIGN

Design Specification certified by AN NGUYEN P.E. State AL Reg. no. 15301
 Design Report certified by _____ P.E. State _____ Reg. no. _____

CERTIFICATE OF COMPLIANCE

We certify that the statements made in this report are correct and that this pump or valve conforms to the rules for construction of the ASME Code, Section III, Division 1.

N Certificate of Authorization No. N-2882 Expires 11/10/10

Date 4-16-08 Name BNL INDUSTRIES, INC. Signed [Signature] QAR
(IN Certificate Holder) (authorized representative)

CERTIFICATE OF INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of CONNECTICUT and employed by ONEBEACON AMERICA INS. of LYNN, MASS have inspected the pump, or valve, described in this Data Report on 4/16/08, and state that to the best of my knowledge and belief, the Certificate Holder has constructed this pump, or valve, in accordance with the ASME Code, Section III, Division 1.

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

Date 4/16/08 Signed [Signature] Commissions NB10644, A.N. OTTLE
(Authorized Inspector) [Nat'l. Bd. (incl. endorsements) and state or prov. and no.]

(1) For manually operated valves only.

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

As Required by the Provisions of the ASME Code, Section XI

1. Owner: Southern Nuclear Operating Co.
Name

40 Inverness Center Parkway; Birmingham, AL 35242
Address

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

7388 North State Hwy 95; Columbia, AL 36319
Address

3. Work Performed By: FNP Maintenance Department
Name

7388 North State Hwy 95; Columbia, AL 36319
Address

Date: November 14, 2008

Sheet: 1 of 2

Unit: FNP Unit 2

Work Order No.: P16 - 2080118101

Repair/Replacement Organization PO No, Job No, etc.

Type Code Symbol Stamp: N/A

Authorization No.: N/A

Expiration Date: N/A

4. Identification of System: TPNS: Q2P16V218F (SW Return from Containment Cooler 2D Drain Valve), ASME Class 3

5. (a) Applicable Construction Code: Section III, 1971 Edition, Winter 1971 * Addenda, N/A Code Case
Year

(b) Applicable Edition of Section XI Used for Repair/Replacement Activity: 2001 Addenda: 2003
Year

(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)
Pipe	Consolidated Pipe	HT # 26963 ✓	N/A	PO:7047Q62575	1974	Removed	No
Valve	Kerotest	DX8-21 ✓	N/A	PO: FNP2-55	1975	Removed	Yes
90° Elbow	Ladish	HT # ZF2B ✓	N/A	PO:7047Q62656	1973	Removed	No
Pipe	Sandvik	HT # 512741 ✓	N/A	PO: QP071037	2008	Installed	No
Valve	BNL Industries	A070809-1-23 ✓	N/A	PO: QP070775	2008	Installed	Yes
90° Elbow	Bonney Forge	HT # 44012 ✓	N/A	PO: QP080237	2008	Installed	No

7. Description of Work: Replaced valve Q2P16V218F and upstream piping.

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

NOTE: Supplemental sheets in 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 number of sheets is recorded at the top of this form.

FORM NIS-2 (Back)

9. Remarks * Applicable Construction Code: ASME Section III, 1971 Edition with Winter 1971 Addenda, including Para. NB 6111.1(c)

Applicable Manufacturer's Data Reports to be attached

of the Winter 1972 Addenda.

Piping Specification SS1109-02 allows piping to use an applicable construction code of ASME Section III, 1971 Ed. thru 2000 Ed.

Reference Transaction Number 138150 for issuance of new parts.

This work was completed under MDC 2080137701.

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp:

N/A

Certificate of Authorization No.:

N/A

Expiration Date:

N/A

Signed:

Ron Tyler

Ron Tyler Maint. Supt.
Asia O. Jenkins Maintenance Team Leader

Date:

1/20/09

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

CONNECTICUT

and employed by

MSB

CT

of

HARTFORD, CT

have inspected the components described in this

Owner's Report during the period

8/12/08

to

1/21/09

, 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:

GA 827 AIN

National Board, State, Province, and Endorsements

Date:

1/21/09

FORM NPV-1 (Back - Pg. 2 of 2)

Certificate Holder's Serial No. A070809-1- (21 THRU 80)

8. Design conditions _____ psi _____ °F or valve pressure class ANSI 150# (1)
(pressure) (temperature)
9. Cold working pressure 230 psi at 100°F
10. Hydrostatic test 425 psi. Disk differential test pressure 320 psi
11. Remarks: _____

CERTIFICATION OF DESIGN

Design Specification certified by AN NGUYEN P.E. State AL Reg. no. 15301
 Design Report certified by _____ P.E. State _____ Reg. no. _____

CERTIFICATE OF COMPLIANCE

We certify that the statements made in this report are correct and that this pump or valve conforms to the rules for construction of the ASME Code, Section III, Division 1.

N Certificate of Authorization No. N-2882 Expires 11/10/10

Date 4-16-08 Name BNL INDUSTRIES, INC. Signed M. QAR
(N Certificate Holder) (authorized representative)

CERTIFICATE OF INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of CONNECTICUT and employed by ONEBEACON AMERICA INS. of LYNN, MASS have inspected the pump, or valve, described in this Data Report on 4/16/08, and state that to the best of my knowledge and belief, the Certificate Holder has constructed this pump, or valve, in accordance with the ASME Code, Section III, Division 1.

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

Date 4/16/08 Signed [Signature] Commissions NB10644, A, N. CT2002
(Authorized Inspector) (Nat'l. Bd. incl. endorsements) and state or prov. and no.]

(1) For manually operated valves only.

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

As Required by the Provisions of the ASME Code, Section XI

1. Owner: Southern Nuclear Operating Co. Date: November 14, 2008
40 Inverness Center Parkway; Birmingham, AL 35242
Name
Address
2. Plant: Joseph M. Farley Nuclear Plant (FNP) Unit: FNP Unit 2
7388 North State Hwy 95; Columbia, AL 36319
Name
Address
3. Work Performed By: FNP Maintenance Department Work Order No.: P16 - 2080118201
7388 North State Hwy 95; Columbia, AL 36319 *Repair/Replacement Organization PO No, Job No, etc.*
Name Type Code Symbol Stamp: N/A
Address Authorization No.: N/A
Expiration Date: N/A
4. Identification of System: TPNS: Q2P16V218G (SW Supply to Containment Cooler 2D Drain Valve), ASME Class 3
5. (a) Applicable Construction Code: Section III, 1971 Edition, Winter 1971 * Addenda, N/A Code Case
Year
(b) Applicable Edition of Section XI Used for Repair/Replacement Activity: 2001 Addenda: 2003
Year
(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)
Pipe	Quanex GST	HT # 285192	N/A	PO: QP1799	1987	Removed	No
Valve	Kerotest	DX9-22 ✓	N/A	PO: FNP2-55	1975	Removed	Yes
Pipe	Sandvik	HT # 512741 ✓	N/A	PO: QP071037	2008	Installed	No
Valve	BNL Industries	A070809-1-29 ✓	N/A	PO: QP070775	2008	Installed	Yes

7. Description of Work: Replaced valve Q2P16V218G and upstream piping.
8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☒ Exempt ☐
Other ☐ Pressure: _____ psi Test Temp.: _____ °F

NOTE: Supplemental sheets in 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 number of sheets is recorded at the top of this form.

FORM NIS-2 (Back)

9. Remarks * Applicable Construction Code: ASME Section III, 1971 Edition with Winter 1971 Addenda, including Para. NB 6111.1(c)

Applicable Manufacturer's Data Reports to be attached

of the Winter 1972 Addenda.

Piping Specification SS1109-02 allows piping to use an applicable construction code of ASME Section III, 1971 Ed. thru 2000 Ed.

Reference Transaction Number 138163 for issuance of new parts.

This work was completed under MDC 2080137701.

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp:

N/A

Certificate of Authorization No.:

N/A

Expiration Date:

N/A

Signed:

Ron Tyler

Ron Tyler maint Supt.
Asia O. Jenkins, Maintenance Team Leader

Date:

1/20/09

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 CONNECTICUT and employed by HSB CT

of HARTFORD, CT

have inspected the components described in this

Owner's Report during the period

8/21/08

to

1/24/09

, 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:

GA 827 AIN

National Board, State, Province, and Endorsements

Date:

1/21/09

1. Manufactured and certified by BNL Industries, Inc., 30 Industrial Park Rd., Vernon, CT, 06066
(name and address of N Certificate Holder)

2. Manufactured for Southern Nuclear Operating Co., PO Box 1295, Birmingham, AL 35201
(name and address of Purchaser)

3. Location of installation Farley Nuclear Plant, 7388 N State Highway 95, Columbia, AL 36319
(name and address)

4. Model No., Series No., or Type VALVE Drawing HBV-A2-20-0027 Rev. A CPN _____

5. ASME Code, Section III, Division 1: 1971 W'71, NB6111.1C of W'72 3 _____
(edition) (addenda date) (class) (Code Case no.)

6. Pump or valve VALVE Nominal inlet size 2" Outlet size 2"
(in.) (in.)

7. Material: Body SA479 TY 316L Bonnet SA 479 TY316L Disk SA 479 TY316L Bolting SA193GrB8/SA194GrB8

[illegible]

* Supplemental information in form of lists, sketches, or drawings may be used provided (1) size is 8 1/2 x 11, (2) information in items 1. through 4 on this Data Report is included on each sheet, (3) each sheet is numbered and the number of sheets is recorded at the top of this form.

FORM NPV-1 (Back — Pg. 2 of 2)

Certificate Holder's Serial No. A070809-1-(21 THRU 80)

8. Design conditions _____ psi _____ °F or valve pressure class ANSI 150# (1)
(pressure) (temperature)
9. Cold working pressure 230 psi at 100°F
10. Hydrostatic test 425 psi. Disk differential test pressure 320 psi
11. Remarks: _____

CERTIFICATION OF DESIGN

Design Specification certified by AN NGUYEN P.E. State AL Reg. no. 15301
 Design Report certified by _____ P.E. State _____ Reg. no. _____

CERTIFICATE OF COMPLIANCE

We certify that the statements made in this report are correct and that this pump or valve conforms to the rules for construction of the ASME Code, Section III, Division 1.

N Certificate of Authorization No. N-2882 Expires 11/10/10
 Date 4-16-08 Name BNL INDUSTRIES, INC. Signed [Signature] QAR
(N Certificate Holder) (authorized representative)

CERTIFICATE OF INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of CONNECTICUT and employed by ONEBEACON AMERICA INS. of LYNN, MASS have inspected the pump, or valve, described in this Data Report on 4/16/08, and state that to the best of my knowledge and belief, the Certificate Holder has constructed this pump, or valve, in accordance with the ASME Code, Section III, Division 1.

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

Date 4/16/08 Signed [Signature] Commissions NB10644, A.N. 07202
(Authorized Inspector) [Nat'l. Bd. (Incl. endorsements) and state or prov. and no.]

(1) For manually operated valves only.

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

As Required by the Provisions of the ASME Code, Section XI

1. Owner: Southern Nuclear Operating Co. Date: March 19, 2008
Name
40 Inverness Center Parkway; Birmingham, AL 35242
Address
2. Plant: Joseph M. Farley Nuclear Plant (FNP) Unit: FNP Unit 2
Name
7388 North State Hwy 95; Columbia, AL 36319
Address
3. Work Performed By: FNP Maintenance Department Work Order No.: P16 - 2080437801
Name Repair/Replacement Organization PO No, Job No, etc.
7388 North State Hwy 95; Columbia, AL 36319 Type Code Symbol Stamp: N/A
Address Authorization No.: N/A
Expiration Date: N/A
4. Identification of System: TPNS: Q2P16V631 (2B Service Water Pump Vac. Breaker Isolation), Line # P16HBC-200
5. (a) Applicable Construction Code: Section III, 1971 * Edition, Summer 1971 * Addenda, N/A Code Case
Year
- (b) Applicable Edition of Section XI Used for Repair/Replacement Activity: 2001 Addenda: 2003
Year
- (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" Pipe	U.S Steel Corp.	HT # N75584	N/A	PO: 7047-Q-62573	1973	Removed	No
Support	Daniel's Const.	SS-10879	N/A	N/A (PO: Unk.)	1976	Removed	No
2" Pipe	Michigan Seamless	HT # 1M35684	N/A	PO: QP040263	2003	Installed	No
3/8" U-Bolt	Anvil Corp.	F137	N/A	PO: QP040947	Unk.	Installed	No

7. Description of Work: Replaced section of pipe (and support) just upstream of valve Q2P16V631, in line P16HBC-200.
8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☒ Exempt ☐
Other ☐ Pressure: _____ psi Test Temp.: _____ °F

NOTE: Supplemental sheets in 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 number of sheets is recorded at the top of this form.

FORM NIS-2 (Back)

9. Remarks * The applicable construction code for the pipe was ASME Section III, 1971 Edition with Summer 1971 Addenda. The

Applicable Manufacturer's Data Reports to be attached

applicable construction code for the supprt was AISC 1969 and it was welded to AWS D1.1.

Reference Transaction Number 129307 for issuance of new parts.

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp: _____ N/A

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

Signed: Asia O. Jerkins Asia O. Jerkins, Maintenance Team Leader Date: 12/23/08
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of GEORGIA and employed by HSC CT of HARTFORD, CT have inspected the components described in this Owner's Report during the period 2/13/08 to 01/07/09, 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: GA 827 AIN
National Board, State, Province, and Endorsements

Date: 01/07/09

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

As Required by the Provisions of the ASME Code, Section XI

1. Owner: Southern Nuclear Operating Co.
Name40 Inverness Center Parkway; Birmingham, AL 35242

Address

2. Plant: Joseph M. Farley Nuclear Plant (FNP)
Name7388 North State Hwy 95; Columbia, AL 36319

Address

3. Work Performed By: FNP Maintenance Department
Name7388 North State Hwy 95; Columbia, AL 36319

Address

Date: November 12, 2008Sheet: 1 of 2Unit: FNP Unit 2Work Order No.: P16 - 2082128801

Repair/Replacement Organization PO No, Job No, etc.

Type Code Symbol Stamp: N/AAuthorization No.: N/AExpiration Date: N/A4. Identification of System: TPNS: Q2P16 (service water piping)5. (a) Applicable Construction Code: Section III, 1971 Edition, Summer 1971 Addenda, N/A Code Case
Year(b) Applicable Edition of Section XI Used for Repair/Replacement Activity: 2001 Addenda: 2003
Year(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)
Half-Coupling **	Daniel Construction	Q2P16-HBC-207-2	N/A	None	1977	Removed	Yes
Half-Coupling	Bonney Forge	9174	N/A	PO: QP010765	2001	Installed	No

7. Description of Work: Replaced half-coupling in a service water line.8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☒ Exempt ☐Other ☐ Pressure: _____ psi Test Temp.: _____ °F

NOTE: Supplemental sheets in 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 number of sheets is recorded at the top of this form.

FORM NIS-2 (Back)

9. Remarks ** Daniels Construction originally fabricated/installed the line in which this coupling is installed. The serial number identifies

Applicable Manufacturer's Data Reports to be attached

this line and the ASME code stamping also refers to the line. The PO number is unknown for the original coupling.

Reference Transaction Number 144980 for issuance of new coupling.

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp: _____ N/A

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

Signed: Asia O. Jerkins Asia O. Jerkins, Maintenance Team Leader Date: 12/10/08
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the

State or Province of GEORGIA and employed by HSB CT
 of HARTFORD, CT have inspected the components described in this
 Owner's Report during the period 11/19/08 to 1/08/09, 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: GA 827 AIN
 National Board, State, Province, and Endorsements

Date: 1/08/09

Form NIS-2 Owner's Report for Repairs or Replacements

RType : L1.52

As required by the provisions of the ASME Code Section XI

Job Number P16-DCP-2072206801-01	Sheet 1 of 2
-------------------------------------	--------------

1. Owner Southern Nuclear Operating Company 40 Inverness Center Parkway Birmingham, Alabama 35242 (as agent for Alabama Power Company)	2. Plant Farley Nuclear Plant Highway 95 South Columbia, Alabama 36319	Unit FNP 2
		Date 11/5/08

3. Work performed by Name : <u>Southern Nuclear Operating Company Plant Modifications</u> Address : <u>Joseph M. Farley Nuclear Plant</u>	Type Code Symbol Stamp N/A
	Authorization Number N/A
	Expiration Date N/A

4. Identification of System Q2P16- SERVICE WATER

5.	(a) Applicable Construction Code: <u>ASME SECTION III</u>	19	<u>71</u>	Edition	<u>SUMMER 71</u>	Addenda,	<u>N/A</u>	Code Case
	(b) Applicable Section XI Utilized For Repairs Or Replacements,	20	<u>01</u>	Edition	<u>2003</u>	Addenda,	<u>N/A</u>	Code Case

6. Identification of Components Repaired or Replaced and Replacement Components:							
Name of Component	Name of Manufacturer	Manufacturer Serial Number	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes / No)
VALVE	HAMMEL DAHL	72/9733/050R1	N/A	FNP-2-52	1976	REPLACED	YES
VALVE	FISHER	18536234	7557	QP080054	2008	REPLACEMENT	YES
PLATE (SPACER)	NORTH AMERICAN STAINLESS	822169	N/A	QP060645	2006	REPLACED	NO
PLATE (SPACER)	JESSOP STEEL	38285	N/A	QP5160	1990	REPLACEMENT	NO
STUD	NOVA MACHINE PRODUCTS	59412	N/A	QP070180	2006	REPLACEMENT	NO

7. Description of Work Q2P16V560 was replaced per workorder 2072206804 and DCP 2072206801. Spacer was fabricated per workorder 2072206802 and DCP 2072206801.

8. Test Conducted <input type="checkbox"/> Hydrostatic <input type="checkbox"/> Pneumatic <input checked="" type="checkbox"/> Normal Operating Pressure <input type="checkbox"/> None <input type="checkbox"/> Other Pressure <u>100</u> PSI Temperature <u>60</u> °F
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Form NIS-2 Owner's Report for Repairs or Replacements

RType : L1.52

As required by the provisions of the ASME Code Section XI

Job Number	
P16-DCP-2072206801-01	Sheet 2 of 2

9. Remarks (Applicable Manufacturer's Data Reports to be attached)
New stud material for new Fisher Control Valve (Q2P16V560): Studs (20) manufactured by Nova Machine Products, Heat #59412, 1 1/8" x 8 TPI x 6" ASME SA193 B7, Transaction # 146070
Valve transaction # 143582 Plate transaction # 142719; Spacer plate was fabricated per work order 2072206802 and was replaced per work order 2072206804.
VT-2 leak test performed per work order 2072206804

Certificate of Compliance

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

Type Code Symbol Stamp N/A

Certificate of Authorization Number N/A Expiration Date N/A

Signed Ron Clement Plant MODS Supervisor Date 1/12/09
Owner or Owner's Designee, Title

Certificate of Inservice Inspection

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of GEORGIA and employed by HEB CT of HARTFORD, CT have inspected the components described in this Owner's Report during the period 11/04/08 to 1/20/09, 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 loss of any kind arising from or connected with this inspection.

[Signature]
Inspector's Signature

Commissions

NA 12564 GA 827 AIN
National Board, State, Province, and Endorsements

Date 1/20/09

Pg. 1 of 2

Pg. 1 of 2

*Supplemental information in form of lists, sketches, or drawings may be used provided (1) size is 8 1/2 x 11, (2) information in items 1 through 4 on this Data Report is included on each sheet, (3) each sheet is numbered and the number of sheets is recorded at the top of this form.

*Supplemental information in form of lists, sketches, or drawings may be used provided (1) size is 8 1/2 x 11, (2) information in items 1 through 4 on this Data Report is included on each sheet, (3) each sheet is numbered and the number of sheets is recorded at the top of this form.

FORM NPV-1 (Back - Pg. 2 of 2)

Certificate Holder's Serial No. 18536234

8. Design conditions 150 psi 200 °F or valve pressure class N/A (1)
(pressure) (temperature)
9. Cold working pressure 275 psi at 100°F
10. Hydrostatic test 450 psi. Disk differential test pressure N/A psi
11. Remarks: Design: ASME BPVC Sec III, Div. 1, 1971 Edition, Summer 1972 Addenda, Class 3
Other: ASME BPVC Sec III, Div. 1, 1998 Edition, 1998 Addenda, Class 3

CERTIFICATION OF DESIGN

Design Specification certified by Mohinder Nayyar P.E. State VA Reg. no. 011506
Design Report certified by N/A P.E. State N/A Reg. no. N/A

CERTIFICATE OF COMPLIANCE

We certify that the statements made in this report are correct and that this pump or valve conforms to the rules for construction of the ASME code, Section III, Division 1.

N Certificate of Authorization No. 1929 Expires 10-27-2010

Date 9-11-08 Name FISHER CONTROLS INT'L LLC Signed Jinda Ward
(N Certificate Holder) (authorized representative)

CERTIFICATE OF INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Iowa
Province of

and employed by Hartford Steam Boiler of CT of Hartford, CT
have inspected the pump, or valve, described in this Data Report 9-11-08 and state that to the best of my knowledge and
on belief, the Certificate Holder has constructed this pump, or valve, in accordance with the ASME Code, Section III, Division 1.

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

Date 9-11-08 Signed Kent Cochran Commissions NB 7881 NBA 822 IA.
(Authorized Inspector) (Nat'l. Bd. (include endorsements) and state or prov. and no.)

(1) For manually operated valves only.