

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



August 14, 2007

Docket No.: 50-364

NL-07-1560

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 (SNC) submits herewith the Farley Nuclear Plant (FNP) Unit 2, Interval 3, Period 2, Outage 2 Inservice Inspection Summary Report (Enclosure). This report describes and summarizes the inservice inspection activities performed during the Unit 2 Spring 2007 maintenance/refueling outage. Paragraph IWA-6230 of the American Society of Mechanical Engineers (ASME) Boiler and Pressure Vessel Code, Section XI, 1989 Edition requires submittal of the enclosed report.

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

Sincerely,

A handwritten signature in black ink, appearing to read "B. J. George". The signature is fluid and cursive, with a large initial 'B' and 'G'.

B. J. George
Manager, Nuclear Licensing

BJG/JLS/daj

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

cc: Southern Nuclear Operating Company
Mr. J. T. Gasser, Jr., Executive Vice President
Mr. J. R. Johnson, Vice President – Farley
Mr. D. H. Jones, Vice President – Engineering
RTYPE: CFA04.054, LC# 14623

U. S. Nuclear Regulatory Commission
Dr. W. D. Travers, Regional Administrator
Ms. K. R. Cotton, NRR Project Manager – Farley
Mr. E. L. Crowe, Senior Resident Inspector – Farley

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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**

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

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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 B	Westinghouse Pensacola	ALAD-40308	N/A	74
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 12/01/05 to 05/17/07
9. Inspection Period Identification: Second Period 12/01/04 to 03/31/08
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: FNP-2-M-097; 04/03/07; Version 8
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 8-10-2007 Signed Southern Nuclear Operating Co. By WLB
(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 NEW HAMPSHIRE and employed by HSB-CT of Hartford, Connecticut have inspected the components described in this Owner's Report during the period 12/01/2005 to 5/17/2007 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.


Inspector's Signature

Commissions NH 734 A-IN
National Board, State, Province, and Endorsements

Date AUGUST 10th 20 07

**OWNER'S REPORT
FOR
INSERVICE INSPECTION**

DATE: 07/13/07

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

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

**NAME ASSIGNED TO NUCLEAR
POWER UNIT:** Joseph M. Farley Nuclear Plant
Unit 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
Steam Generator A	B21	1-3100
Steam Generator B	B21	1-3200
Reactor Coolant System	B13	1-4105, 1-4108, 1-4200, 1-4205, 1-4210, 1-4500, 1-4502, 1-4504
Safety Injection System	E11	1-4202, 1-4203, 1-4208, 1-4301, 1-4304,
Safety Injection System	E21	1-4104, 1-4201, 1-4202, 1-4204, 1-4207, 1-4209, 1-4310,

CLASS 2

COMPONENT OR SYSTEM	SYSTEM DESIGNATION	APR SKETCH
RHR System	E11	2-4505, 2-4506A, 2-4507, 2-4509, 2-4509A, 2-4511
Containment Spray	E13	2-5150
CVCS	E21	2-4600, 2-4603, Charging Pump 2A
Safety Injection	E21	2-4615,
Main Steam System	N11	2-4200, 4201
Main Steam System	N12	2-4202, 2-4302
Feedwater	N21	2-4250, 2-4350

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**

TAB B

Balance of Plant Examination Summary

J. M. FARLEY NUCLEAR PLANT UNIT NO 2 INTERVAL 3 PERIOD 2 OUTAGE 2 BALANCE OF PLANT EXAMINATION SUMMARY

INTRODUCTION

The ASME Boiler and Pressure Vessel Code, Section XI, 1989 Edition (Code), is the applicable code for conducting inservice inspection activities during the third 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 second inspection period examinations and tests which were performed between December 1, 2005 (date of last examination performed during the seventeenth maintenance/refueling outage, 2R17 / 3-2-1) and May 17, 2007 (date of last examination performed during the eighteenth maintenance/refueling outage, 2R18 / 3-2-2).

The examinations were performed in accordance with the approved Examination Program 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 initial Rule specified the 1995 Edition with Addenda through 1996 as the applicable edition of ASME Section XI, Appendix VIII. 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 2R17 through the end of 2R18. 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 will be 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. The applicable ASME Code requirements were met and the separate report will provide the details for these examinations.

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

- During 2R18 volumetric inspections, 1 weld (APR1-4500-7DM) was reported having flaw indications exceeding applicable acceptance standards. The weld was associated with Alloy 600 material and, as a result, the weld was repaired using a full Structural Weld Overlay (FSWOL). The examination results of the initial inspection are located in Volume 2, Tab E. The overlay results have been previously submitted under a separate cover letter dated on May 9, 2007.
- In addition to components already identified in current requests for relief, two (2) 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 forty three (43) 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 Class 2 Volumetric indications.
- In addition to components already identified in current requests for relief, four (4) 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

Results from additional examinations which were performed during this outage are as follows:

- **Class 1 System Leakage Test**

In accordance with ASME Section XI 1989 Edition IWB-5210(a)(1), leak testing of the Class 1 Reactor Coolant Pressure Boundary was performed prior to startup following the 18th refueling outage. The testing was initiated on 05/04/07 and completed (repairs) on 05/17/07. A copy of the completed test procedure FNP-2-SOP-1.4 is retained by the Farley Nuclear Plant Document Control. There were nine accounts of boron accumulation, two active leaks at end caps, and one leaking kyrotest valve. In each case the boron was removed and necessary corrective action was performed. Results of this testing can be seen under FNP-2-STP-157 Indication Evaluation Report 008.

In addition, to meet the 1989 Section XI IWA-5242(a) requirement for removal of insulation from bolted connections in systems borated for the purpose of controlling reactivity, the alternative examination requirements of Relief Request RR-27 were utilized and visual testing of uninsulated Class 1 bolted connections at static pressure was performed. There were forty three (43) bolted connections with some degree of boron accumulation; nine connections had affected bolting. In each case the boron was removed and necessary corrective action was performed. Results of this testing can be seen under FNP-2-STP-157 Indication Evaluation Report 008. The Class 1 leakage test was performed and the Code requirements were satisfied.

- **Class 1 and 2 Hydrostatic testing**

No hydrostatic testing was performed during the 18th refueling outage.

- **Class 2 Functional/Inservice Testing**

Class 2 function testing performed during the 18th refueling outage included portions of the Residual Heat Removal, Containment Spray, Safety Injection and Charging systems. There were sixteen bolted connections associated with the Class 2 pressure testing which had boron accumulation affecting bolting. Stem packing and end cap boron accumulations were also observed. In each case the boron was removed and necessary corrective action was performed. Completed data sheets from FNP-2-STP-156.2 are filed in Farley Nuclear Plant Document Control. Class 2 functional and inservice tests were performed and the code requirements were satisfied.

- **IWE/IWL Examinations**

Inservice inspection examinations were completed on the Unit 2 Containment Building in accordance with the 1992 Edition with the 1992 Addenda of the ASME Code, Section XI, Subsections IWE and IWL during the current inspection interval. The IWE general visual examination of the containment liner was completed in April 2007 and is documented by work order 2060236201. The IWL Unit Two 25-Year tendon surveillance was completed in May 2006 which is documented in work order 2052764901. The results of these surveillances are available at FNP for review.

STATUS OF EXAMINATIONS REQUIRED FOR CURRENT INTERVAL

This refueling was the 2nd Outage, 2nd Period of the 3rd Interval and the examinations completed to date represent 100% of the total Class 1 and 2 scope for the current period. Approximately 58% of the examinations required for the current interval have been completed. Therefore, Falrey-2 is within ASME Code compliance, pending 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.

**APR
SUMMARY OF RECORDED INDICATIONS
2007 UNIT 2RF18**

SKETCH	ID	ITEM DESCRIPTION	INDICATION DESCRIPTION	ACCEPTED PER		MONITOR	IER NUMBER
				EVALUATION	REPAIR/REPL		
APR1-4500	7DM	PZR surge nozzle to safe-end weld	Planar Flaws	-	X	-	001
APR2-4201	17	MS pipe to Flange weld	Mid-wall inclusions	X	-	-	002
APR2-4201	23BC	MS branch connection weld	Mid-wall inclusions	X	-	-	003
APR2-4201	14	MS pipe to Flange weld	Mid-wall inclusions	X	-	-	004
APR2-4201	16	MS pipe to Flange weld	Mid-wall inclusions	X	-	-	005
APR2-5100	1R, 2R, 3R, 4R	Charging pump integrally welded attachments	Surface porosity	X	-	-	006
APR1-4500	WOL-1	PZR surge nozzle weld overlay (baseline)	Subsurface laminar	X	-	-	007
N/A	N/A	Pressure Test 160.1-1	Evidence of Leakage and Boron Accumulation	-	X	-	008
N/A	N/A	Pressure Test 160.22-1	Evidence of Leakage/ Boron Accumulation	-	X	-	008
N/A	N/A	Pressure Test 160.23-1	Evidence of Leakage/ Boron Accumulation	-	X	-	008
N/A	N/A	Class 1 Bolted connections	Evidence of Leakage/ Boron Accumulation	-	X	-	008
N/A	N/A	System Leakage Test	Evidence of Leakage/ Boron Accumulation	-	X	-	008

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
F-A F1.40	APR1-1100-CS-4 RPV Vessel Supports	NMP-ES-024-203	-	S07F2V0019	SAT	None
B-B B2.40	APR1-3100-1R Steam Generator Ch Head to Tubesheet	FNP-0-NDE-100.34	ALA-59	S07F2U0062 S07F2U0063 S07F2U0064 S07F2U0065	NRI	None
B-D B3.140	APR1-3100-IR1R Steam Generator Nozzle Inner Radii	FNP-0-NDE-100.46	ALA-54	S07F2U0037 S07F2U0038 S07F2U0041	NRI	None
B-D B3.140	APR1-3100-IR2R Steam Generator Nozzle Inner Radii	FNP-0-NDE-100.46	ALA-54	S07F2U0039 S07F2U0044 S07F2U0045	NRI	None
B-D B3.140	APR1-3200-IR1R Steam Generator Nozzle Inner Radii	FNP-0-NDE-100.46	ALA-54	S07F2U0040 S07F2U0042 S07F2U0043	NRI	None
B-D B3.140	APR1-3200-IR2R Steam Generator Nozzle Inner Radii	FNP-0-NDE-100.46	ALA-54	S07F2U0046 S07F2U0047 S07F2U0048	NRI	None
B-G-2 B7.30	APR1-3200-N01 - N32 Steam Gen Manway Bolting	NMP-ES-024-201	-	S07F2V0057	SAT	Examined while disassembled and in place, under tension.
B-G-2 B7.30	APR1-3200-S01 - S32 Steam Gen Manway Bolting	NMP-ES-024-201	-	S07F2V0061	SAT	Examined while disassembled and in place, under tension.
F-A F1.10	APR1-4104-2SI-R120 Piping Support	NMP-ES-024-203	-	S07F2V0053	SAT	None

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-K B10.20	APR1-4104-2SI-R120 (W6) Piping Welded Attachment	NMP-ES-024-301	-	S07F2P0005	NRI	None
B-M-2 B12.50	APR1-4104-QV077A Valve Internals	NMP-ES-024-203	-	S07F2V0064	SAT	Examined when disassembled.
F-A F1.10	APR1-4105-2RC-R56 Piping Support	NMP-ES-024-203	-	S07F2V0026	SAT	None
R-A R1.11	APR1-4108-16BW Tee to Pipe	NMP-ES-024-501	ALA-9	S07F2U0105 S07F2U0106	NRI	None
R-A R1.11	APR1-4200-25RDM Steam Gen Nozzle to Safe-end	NMP-ES-024-507	MEUXE0 20A	S07F2U0049 S07F2U0050 S07F2U0051 S07F2U0052 S07F2U0053 S07F2U0054	NRI	None
R-A R1.11	APR1-4200-26RDM Steam Gen Nozzle to Safe-end	NMP-ES-024-507	MEUXE0 20A	S07F2U0055 S07F2U0056 S07F2U0057 S07F2U0058 S07F2U0060 S07F2U0061	NRI	None
F-A F1.10	APR1-4201-2SI-R179 Piping Support	NMP-ES-024-203	-	S07F2V0029	SAT	None
F-A F1.10	APR1-4202-2SI-R144 Piping Support	NMP-ES-024-203	-	S07F2V0030	SAT	None
B-G-2 B7.70	APR1-4202-QV021B (B) Valve Bolting	NMP-ES-024-201	-	S07F2V0020	SAT	Examined in place, under tension.

Farley Unit 2
Class 1 Components

ASME Section XI	Examination/Area	Examination Procedure(s)	Cal Block(s)	Exam/Cal Sheet No(s).	Results	Remarks
R-A R1.11H	APR1-4203-9 Valve to Pipe	NMP-ES-024-501	ALA-67	S07F2V0127 S07F2V0146	NRI	50% coverage due to configuration. Request for Relief required.
R-A R1.11H	APR1-4203-10 Pipe to Elbow	NMP-ES-024-501	ALA-67	S07F2V0128	NRI	None
B-G-2 B7.70	APR1-4203-QV051B (B) Valve Bolting	NMP-ES-024-201	-	S07F2V0043	SAT	Examined in place, under tension.
R-A R1.11H	APR1-4204-19 Pipe to Elbow	NMP-ES-024-501	ALA-67	S07F2V0129	NRI	None
F-A F1.10	APR1-4204-2SI-R138 Piping Support	NMP-ES-024-203	-	S07F2V0031	SAT	None
F-A F1.10	APR1-4204-2SI-R140 Piping Support	NMP-ES-024-203	-	S07F2V0049	SAT	None
F-A F1.10	APR1-4204-2SI-R141 Piping Support	NMP-ES-024-203	-	S07F2V0054	SAT	None
B-G-2 B7.70	APR1-4204-QV076B (B) Valve Bolting	NMP-ES-024-201	-	S07F2V0021	SAT	Examined in place, under tension.
B-G-2 B7.70	APR1-4204-QV077B (B) Valve Bolting	NMP-ES-024-201	-	S07F2V0045	SAT	Examined in place, under tension.
B-M-2 B12.50	APR1-4204-QV077B Valve Internals	NMP-ES-024-203	-	S07F2V0063	SAT	Examined while disassembled
F-A F1.10	APR1-4205-2RC-R13X Piping Support	NMP-ES-024-203	-	S07F2V0027	SAT	None

Farley Unit 2
Class 1 Components

ASME Section XI	Examination/Area	Examination Procedure(s)	Cal Block(s)	Exam/Cal Sheet No(s).	Results	Remarks
F-A F1.10	APR1-4205-2RC-R18 Piping Support	NMP-ES-024-203	-	S07F2V0033	SAT	None
F-A F1.10	APR1-4205-2RC-R20 Piping Support	NMP-ES-024-203	-	S07F2V0046	SAT	None
F-A F1.10	APR1-4205-2RC-R43 Piping Support	NMP-ES-024-203	-	S07F2V0028	SAT	None
F-A F1.10	APR1-4207-2CVC-R655 Piping Support	NMP-ES-024-203	-	S07F2V0034	SAT	None
F-A F1.10	APR1-4207-2CVC-R657 Piping Support	NMP-ES-024-203	-	S07F2V0044	SAT	None
F-A F1.10	APR1-4207-2CVC-R662 Piping Support	NMP-ES-024-203	-	S07F2V0025	SAT	None
F-A F1.10	APR1-4207-2CVC-R663 Piping Support	NMP-ES-024-203	-	S07F2V0024	SAT	None
R-A R1.11S	APR1-4208-21 Elbow to Pipe	NMP-ES-024-301	-	S07F2P0006	NRI	None
F-A F1.10	APR1-4208-SS-12282 Piping Support	NMP-ES-024-203	-	S07F2V0039	SAT	None
F-A F1.10	APR1-4208-SS-12284 Piping Support	NMP-ES-024-203	-	S07F2V0036	SAT	None
F-A F1.10	APR1-4208-SS-12290 Piping Support	NMP-ES-024-203	-	S07F2V0040	SAT	None
F-A F1.10	APR1-4208-SS-12292 Piping Support	NMP-ES-024-203	-	S07F2V0037	SAT	None

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-G-2 B7.50	APR1-4209-FLG-1 Flange Bolting	NMP-ES-024-201	-	S07F2V0041	SAT	Examined in place, under tension.
R-A R1.11	APR1-4210-4 Pipe to Valve	NMP-ES-024-301	-	S07F2P0003	NRI	None
B-G-2 B7.70	APR1-4301-QV016A (B) Valve Bolting	NMP-ES-024-201	-	S07F2V0042	SAT	Examined in place, under tension.
R-A R1.11	APR1-4304-19 Valve to Pipe	NMP-ES-024-501	ALA-67	S07F2U0131 S07F2U0132	NRI	UT exam limited to 50% due to configuration. Request for relief required.
R-A R1.11H	APR1-4304-20 Pipe to Elbow	NMP-ES-024-501	ALA-67	S07F2U0130	NRI	None
R-A R1.11	APR1-4310-6 Pipe to Valve	NMP-ES-024-301	-	S07F2P0004	NRI	None
R-A R1.11C	APR1-4500-7DM PZR Nozzle to Safe-end	NMP-ES-024-507 ZETEC Omniscan PA 03	ALA-2	S07F2U0005 S07F2U0006 S07F2U0007 S07F2U0008	RI	UT RI – Planar Flaw. Code rejectable. Detected by manual and phased array automated. Repaired by full structural weld overlay. Reference IER 001
-- --	APR1-4500-WOL-1 PZR Surge Nozzle Overlay	WDI-STD-1007	AX 16-02 CR 16-02	-	RI	UT RI – LOB. Code Acceptable.
R-A R1.11	APR1-4502-1DM PZR Nozzle to Safe-end	NMP-ES-024-507	ALA-5	S07F2U0080 S07F2U0081 S07F2U0082 S07F2U0083	NRI	None

Farley Unit 2 Class 1 Components						
ASME Section XI	Examination/Area	Examination Procedure(s)	Cal Block(s)	Exam/Cal Sheet No(s).	Results	Remarks
R-A R1.11	APR1-4504-1DM PZR Nozzle to Safe-end	NMP-ES-024-507	ALA-5	S07F2U0088 S07F2U0089 S07F2U0090 S07F2U0091	NRI	None

Farley Unit 2
Class 2 Components

ASME Section XI	Examination/Area	Examination Procedure(s)	Cal Block(s)	Exam/Cal Sheet No(s).	Results	Remarks
R-A R1.11	APR2-4200-11 Pipe to Pipe	NMP-ES-024-507	ALA-24	S07F2U0107 S07F2U0108	NRI	None
F-A F1.20	APR2-4200-2MS-R89 Pipe Support	NMP-ES-024-203	-	S07F2V0055	SAT	None
R-A R1.11	APR2-4201-1 Pipe to Elbow	NMP-ES-024-502	ALA-24	S07F2U0140	NRI	None
R-A R1.11	APR2-4201-2 Elbow to Elbow	NMP-ES-024-502	ALA-24	S07F2U0093	NRI	None
R-A R1.11	APR2-4201-3 Elbow to Pipe	NMP-ES-024-502	ALA-24	S07F2U0133	RI	UT RI - Geometry
R-A R1.11	APR2-4201-23BC Branch Connection	NMP-ES-024-502	ALA-27	S07F2U0019 S07F2U0020	RI	UT RI – Midwall planar. Code Acceptable. Reference IER 003 UT exam limited to 65% due to configuration. Request for relief required.
R-A R1.11	APR2-4201-24 Pipe to Elbow	NMP-ES-024-502	ALA-27	S07F2U0021	NRI	None
R-A R1.11	APR2-4201-25 Elbow to Pipe	NMP-ES-024-502	ALA-27	S07F2U0022	NRI	None
R-A R1.11	APR2-4201-26 Pipe to Valve	NMP-ES-024-502	ALA-27	S07F2U0023 S07F2U0024	NRI	None
R-A R1.11	APR2-4201-27 Valve to Pipe	NMP-ES-024-502	ALA-27	S07F2U0025 S07F2U0026	NRI	None
R-A R1.11	APR2-4201-28 Pipe to Elbow	NMP-ES-024-502	ALA-27	S07F2U0027	NRI	None

Farley Unit 2 Class 2 Components						
ASME Section XI	Examination/Area	Examination Procedure(s)	Cal Block(s)	Exam/Cal Sheet No(s).	Results	Remarks
R-A R1.11	APR2-4201-29 Elbow to Pipe	NMP-ES-024-502	ALA-27	S07F2U0028	NRI	None
R-A R1.11	APR2-4201-30 Pipe to Valve	NMP-ES-024-502	ALA-27	S07F2U0029	NRI	UT exam limited to 61% due to welded restraint. Request for relief required.
R-A R1.11	APR2-4201-31 Valve to Pipe	NMP-ES-024-502	ALA-27	S07F2U0030 S07F2U0031	NRI	None
R-A R1.11	APR2-4201-32 Pipe to Valve	NMP-ES-024-502	ALA-27	S07F2U0125 S07F2U0126	NRI	None
C-C C3.20	APR2-4201-2MS-R510 (W2) Welded Attachment	NMP-ES-024-402	-	S07F2M0001	NRI	None
R-A R1.11	APR2-4202-1BC Branch Connection	NMP-ES-024-202	-	S07F2V0047	SAT	None
R-A R1.11	APR2-4250-16 Reducer to Pipe	NMP-ES-024-502	ALA-26	S07F2U0144 S07F2U0145	NRI	None
C-C C3.20	APR2-4250-2FW-R11 (W8) Welded Attachment	NMP-ES-024-402	-	S07F2M0002	NRI	None
R-A R1.11	APR2-4302-1BC Branch Connection	NMP-ES-024-202	-	S07F2V0048	SAT	None
F-A F1.20	APR2-4350-2FW-R32 Piping Support	NMP-ES-024-203	-	S07F2V0022	SAT	None
F-A F1.20	APR2-4505-2SI-R104 Piping Support	NMP-ES-024-203	-	S07F2V0010	SAT	None
F-A F1.20	APR2-4505-2SI-R127 Piping Support	NMP-ES-024-203	-	S07F2V0004	SAT	None

Farley Unit 2 Class 2 Components						
ASME Section XI	Examination/Area	Examination Procedure(s)	Cal Block(s)	Exam/Cal Sheet No(s).	Results	Remarks
F-A F1.20	APR2-4506A-2RHR-R74 Piping Support	NMP-ES-024-203	-	S07F2V0009	SAT	None
C-C C3.20	APR2-4506A-2RHR-R74 (W8) Welded Attachment	NMP-ES-024-301	-	S07F2P0002	NRI	None
C-C C3.20	APR2-4507-RHR-2A7 (WS) Welded Attachment	NMP-ES-024-301	-	S07F2P0001	NRI	None
F-A F1.20	APR2-4509-2SI-R125 Piping Support	NMP-ES-024-203	-	S07F2V0005	SAT	None
R-A R1.11	APR2-4509A-36 Pipe to Valve	NMP-ES-024-501	-	S07F2U0002 S07F2U0003	NRI	UT exam limited to 50% due to configuration. Request for relief required.
R-A R1.11	APR2-4509A-38 Pipe to Elbow	NMP-ES-024-501	-	S07F2U0001	NRI	None
R-A R1.11	APR2-4509A-47 Tee to Pipe	NMP-ES-024-501	-	S07F2U0004	NRI	None
R-A R1.11	APR2-4511-2 Pipe to Valve	NMP-ES-024-501	-	S07F2U0009 S07F2U0010	RI	UT RI – Geometry. UT exam limited to 50% due to configuration. Request for relief required.
F-A F1.20	APR2-4600-2SI-R48 Piping Support	NMP-ES-024-203	-	S07F2V0013	SAT	None
C-C C3.20	APR2-4603-SI-2A10 (WS) Welded Attachment	NMP-ES-024-301	-	S07F2P0007	NRI	None
F-A F1.20	APR2-4615-SS-12394 Piping Support	NMP-ES-024-203	-	S07F2V0038	SAT	None

Farley Unit 2 Class 2 Components						
ASME Section XI	Examination/Area	Examination Procedure(s)	Cal Block(s)	Exam/Cal Sheet No(s).	Results	Remarks
F-A F1.40	APR2-5150-CS-1 Equipment Support	NMP-ES-024-203	-	S07F2V0086	SAT	None
F-A F1.40	APR2-5150-CS-2 Equipment Support	NMP-ES-024-203	-	S07F2V0087	SAT	None
F-A F1.40	APR2-5150-CS-3 Equipment Support	NMP-ES-024-203	-	S07F2V0088	SAT	None
F-A F1.40	APR2-5150-CS-4 Equipment Support	NMP-ES-024-203	-	S07F2V0089	SAT	None
F-A F1.40	APR2-5150-CS-5 Equipment Support	NMP-ES-024-203	-	S07F2V0090	SAT	None
F-A F1.40	APR2-5150-CS-6 Equipment Support	NMP-ES-024-203	-	S07F2V0091	SAT	None
C-C C3.20	Charging Pump Q2E21P002A Welded Attachments	NMP-ES-024-301	-	-	RI NRI	Baseline exam (new installation). PT RI – Code rejectable. Repaired and re-examined. Reference IER 006
R-A	VT-2 FOR RISK INFORMED	NMP-ES-024-202	-	S07F2V0093	SAT	VT-2 of small bore lines of Risk Informed segments.

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 (2R17) through the completion of the eighteenth maintenance/refueling outage (2R18). 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:

B21-2070818201	N11-2050682901	P16-2050671301	P16-2070824901
B21-2070823301	N11-2050683001	P16-2050671501	P16-2070902501
B31-2061016801	N11-2061335801	P16-2052890401	P16-M100189701
E11-2061387601	N11-2062579601	P16-2053012801	P16-M100663701
E21-2052941901	N21-2052899401	P16-2060722701	P16-M300341101
E21-2062745801	P12-2041167001	P16-2061229101	R43-DCP-C063531801
E21-2070140201	P16-2041669503	P16-2062006501	R43-S062792701
E21-2070505701	P16-2050666901	P16-2063312701	T52-2052827001
E21-DCP-9120-01	P16-2050667201	P16-2063344002	T52-2070804001
G24-2062747101	P16-2050671101	P16-2070419701	

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 B31-2061016801	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 8/1/07																																																																																
3. Work performed by Name : <u>Southern Nuclear Operating Company Outage and 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 <div style="text-align: center;">Q2B31, Pressurizer Surge Nozzle</div>																																																																																			
5. * See remarks (a) Applicable Construction Code: _____ * _____ 19 * Edition _____ * Addenda, _____ * Code Case (b) Applicable Section XI Utilized For Repair / Replacement Activity _____ 19 * Edition _____ * Addenda, _____ * (c) Applicable Section XI Code Case(s) _____ *																																																																																			
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%;">Corrected, Removed or Installed</th> <th style="width:12.5%;">ASME Code Stamped (Yes / No)</th> </tr> </thead> <tbody> <tr> <td>Pressurizer</td> <td>Westinghouse</td> <td>1561</td> <td>W10793</td> <td>NA</td> <td>1975</td> <td>Corrected</td> <td>Yes</td> </tr> <tr> <td>Class 1 Piping</td> <td>Tubeco Inc.</td> <td>Q2B13-CCA-18</td> <td>NA</td> <td>B13</td> <td>1974</td> <td>Corrected</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	Corrected, Removed or Installed	ASME Code Stamped (Yes / No)	Pressurizer	Westinghouse	1561	W10793	NA	1975	Corrected	Yes	Class 1 Piping	Tubeco Inc.	Q2B13-CCA-18	NA	B13	1974	Corrected	Yes																																																								
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Class 1 Piping	Tubeco Inc.	Q2B13-CCA-18	NA	B13	1974	Corrected	Yes																																																																												
7. Description of Work This report documents the Full Structural Weld Overlay applied to the Unit 2 Pressurizer Surge Line Nozzle per DCP 2061016801. Work Orders 2061016802 and 2070806801 and Traveler 900867-01 Rev 1 in compliance with Proposed Alternative ISI-GEN-ALT-06-03 pursuant to 10CFR50.55.a(a)(3)(i). Welding / Installation activities were performed by Westinghouse / PCI.																																																																																			
8. Test Conducted <div style="display: flex; justify-content: space-between;"> <input type="checkbox"/> Hydrostatic <input type="checkbox"/> Pneumatic <input checked="" type="checkbox"/> Normal Operating Pressure <input type="checkbox"/> None <input type="checkbox"/> Other </div> Pressure <u>2246</u> PSI Temperature <u>575</u> °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

B31-2061016801

Sheet 2 of 2

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

Construction Code for Pressurizer is Section III, 1968 Edition through the Summer 1970 Addenda.

Construction Code for the Surge Line Piping is Section III, 1971 Edition through the Summer 1971 Addenda.

Applicable Code for the Repair/Replacement Activity is Section III and XI, 2001 Edition through the 2003 Addenda.

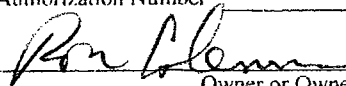
Applicable Section XI Code Cases are N-504-2 and N-638-1.

Certificate of Compliance

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

Type Code Symbol Stamp N/A

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

Signed  E.S./Mods Supv. Date 8/1/07
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 NEW HAMPSHIRE and employed by H/SB CT of HARTFORD CT have inspected the components described in this Owner's Report during the period APRIL 12, 2007 to JUNE 12, 2007, 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.


Inspector's Signature

Commissions

NH 734 AIN

National Board, State, Province, and Endorsements

Date

8/1/07

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-9120-01	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 5/17/2007																																																																																									
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4. Identification of System <div style="text-align: center;">HHSI/CVCS SYSTEM</div>																																																																																											
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, 19 <u>89</u> Edition <u>N/A</u> Addenda, <u>N/A</u> Code Case																																																																																											
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7. Description of Work REPLACED A TUBE STEEL KICKER ON SUPPORT 2SI-R80 WITH A REMOVABLE KICKER PER WO 205091215.																																																																																											
8. Test Conducted <div style="display: flex; justify-content: space-between;"> <input type="checkbox"/> Hydrostatic <input type="checkbox"/> Pneumatic <input type="checkbox"/> Normal Operating Pressure <input checked="" type="checkbox"/> None <input type="checkbox"/> Other </div> 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-DCP-9120-01

Sheet 2 of 2

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

(4) 8"x4"x3/4" PLATES, (8) 5/8" x 3" A325 BOLTS AND (8) 5/8" HEX NUTS WERE USED TO MAKE A KICKER ON 2SI-R80 REMOVABLE.

2-SI-R80 IS PART OF GANG SUPPORT WHICH ALSO INCLUDES SUPPORT 2SI-R118.

SEE WO 2050912015 FOR APPLICABLE MATERIAL ISSUE FORMS

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

ES/MODS Supervisor

Date

5/23/07

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 NEW HAMPSHIRE and employed by HSB CT of HARTFORD, CT have inspected the components described

in this Owner's Report during the period MARCH 29, 2007 to MAY 23, 2007, 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

NB# 12564 NH734 AIN

National Board, State, Province, and Endorsements

Date

5/23/07

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 R43 - DCP C063531801	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 1 <hr/> Date March 21, 2007																																																																	
3. Work performed by Name : <u>Southern Nuclear Operating Company Outage and 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 <div style="text-align: center;">Diesel Emergency Powered Generator</div>																																																																			
5. (a) Applicable Construction Code: <u>ASME Section III,</u> 19 <u>71</u> Edition <u>N/A</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																																																																			
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7. Description of Work The Intercooler Water Heat Exchanger (Q1R43H0505) tube bundle on the 1B Diesel Generator was determined to be in need of replacement. A new tube bundle was installed. Reference Work Order 1070257201 issued under warehouse stock number %00167674. Additionally the inlet end of the tube bundle had a Plasticor coating applied under work order 1070154801.																																																																			
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

R43 - DCP C063531801

Sheet 2 of 2

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

Note: The replacement tube bundle has been fabricated with new tubes using admiralty brass tubes which are different from the existing aluminum brass tubes. DCP C063531801 provides the design change which allows for the use of this alternate tube material in the fabrication of the large diesel generator intercooler water heat exchanger tube bundle assemblies.

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 Blum ES - Modifications Manager Date 3/21/07
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 NEW HAMPSHIRE and employed by HSBCT of HARTFORD, CONNECTICUT have inspected the components described in this Owner's Report during the period MARCH 20, 2007 to MARCH 21, 2007, 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

NH 734 ANI

National Board, State, Province, and Endorsements

Date

3/21/07

FORM N-1 CERTIFICATE HOLDERS' DATA REPORT FOR NUCLEAR VESSELS*
As Required by the Provisions of the ASME Code, Section III, Division 1

Pg. 1 of 2

1. Manufactured and certified by Energy Steel & Supply Co., 2715 Paldan Drive, Auburn Hills, MI 48326
(Name and address of N Certificate Holder)

2. Manufactured for Alabama Power Company, 7388 N. State Hwy. 95, Columbia, AL 36319
(Name and address of Purchaser)

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

4. Type Horizontal Heat Exchanger Tube Bdl N33025-1 N/A 1617 Rev. 1 N/A 2007
(HORIZ. OR VERT.) (Tank, Jacketed, Heat Ex.) (Cart. Holder's serial no.) (CRN) (Drawing no.) (Mat'l. Id. no.) (Year built)

5. ASME Code, Section III, Division 1: 1971 Edition None ND Class 3 N/A
(Edition) (Addenda date) (Class) (Code Case no.)

Items 6-10 inclusive to be completed for single wall vessels, jackets of jacketed vessels, or shells of heat exchangers.

6. Shell: N/A N/A N/A N/A N/A N/A
(mat'l spec. no.) (tensile strength) (nom. thickness (in.)) (min. design thickness (in.)) (dia. ID (ft. & in.)) (length (overall) (ft. & in.))

7. Seams: N/A N/A N/A N/A N/A N/A N/A
(long.) (HT¹) (RT) (left % (right)) (HT¹) (RT) (no. of courses)

8. Heads: N/A N/A N/A N/A
((a) mat'l spec. no.) (tensile strength) ((b) mat'l spec. no.) (tensile strength)

	Location (top, bottom, ends)	Thickness	Corrosion Allowance	Crown Radius	Knuckle Radius	Elliptical Ratio	Conical Apex Angle	Hemispherical Radius	Flat Diameter	Side to Pressure (convex or concave)
(a)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
(b)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

If removable, bolts used N/A N/A
(mat'l spec. no., size, quantity) (describe or attach sketch)

9. Jacket closure: N/A
(Describe as open & weld, bar, etc. if bar, give dimensions, describe or sketch)

10. Design pressure² N/A at max. temp. N/A Min. pressure-test temp. N/A Pneu., hydro., or comb. test pressure N/A
(psi) (°F) (°F) (psi)

Items 11 and 12 to be completed for tube sections.

11. Tubesheets: SB-171 C36500 17.25 .938 Bolted
(stationary, mat'l spec. no.) (dia. in. (subject to press.)) (thickness (in.)) (attachment (welded, bolted))

SB-171 C36500 15.125 .9375 Rolled Tubes
(floating, mat'l spec. no.) (dia. (in.)) (thickness (in.)) (attachment)

12. Tubes: SB-111 C44300 0.625 .049 306 Straight
(mat'l spec. no.) (OD (in.)) (thickness (inches or gage)) (no.) (type (straight or U))

Items 13 to 16 inclusive to be completed for inner chambers of jacketed vessels, or channels of heat exchangers.

13. Shell: N/A N/A N/A N/A N/A N/A
(mat'l spec. no.) (tensile strength) (nom. thickness (in.)) (min. design thickness (in.)) (dia. ID (ft. & in.)) (length (overall) (ft. & in.))

14. Seams: N/A N/A N/A N/A N/A N/A N/A
(long. welded, dbl. single) (HT¹ (yes or no)) (RT) (left % (right)) (HT¹) (RT) (no. of courses)

15. Heads: N/A N/A N/A N/A N/A N/A
((a) mat'l spec. no.) (tensile strength) ((b) mat'l spec. no.) (tensile strength) ((c) mat'l spec. no.) (tensile strength)

Location	Thickness	Crown Radius	Knuckle Radius	Elliptical Ratio	Conical Apex Angle	Hemispherical Radius	Flat Diameter	Side to Pressure (convex or concave)
(a) Top, bottom, ends	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
(b) Channel	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
(c) Floating	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

If removable, bolts used N/A N/A
(mat'l spec. no., size, quantity) (describe or attach sketch)

16. Design pressure² 150 at 300 Min. pressure-test temp. 225 Pneu., hydro., or comb. test pressure 225
(psi) (°F) (°F) (psi)

¹ If postweld heat treated. ² List other internal or external pressure with coincident temperature when applicable.

* 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 number of sheets is recorded at top of this form.

FORM N-1 (Back — Pg. 2 of 2)

Certificate Holder's Serial No. N33025-1

17. Nozzles, inspection and safety valve openings:

Purpose (inlet, outlet, drain, etc.)	Quantity	Dia. or Size	Type	How Attached	Mat'l	Thickness	Reinforcement Material	Location
N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

18. Supports: Skirt N/A Lugs Legs Other Attached
(yes or no) (quantity) (quantity) (describe) (where and how)

19. Remarks: Alabama Power PO No. QP050011/002, Design Specification FM-S-06-002 Version 1.0, Design Report MPR-3004 Rev. 0,
Tube Sheet Material IAW Section II Part B 2001 Edition 2003 Addenda.

CERTIFICATION OF DESIGN
 Design specification certified by An Ngoc Nguyen P.E. State Alabama Reg. no. 15301
 Design report certified by Patrick J Butler P.E. State Virginia Reg. no. 0402023815

CERTIFICATE OF SHOP COMPLIANCE
 We certify that the statements made in this report are correct and that this nuclear vessel conforms to the rules for construction of the ASME Code, Section III, Division 1.
 N Certificate of Authorization No. N-2994 Expires 6/21/2008
 Date 2/24/07 Name Energy Steel & Supply Co. Signed
(N Certificate Holder) (Authorized representative)

CERTIFICATE OF SHOP INSPECTION
 I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Michigan and employed by HSB CT of Hartford, CT have inspected the component described in this Data Report on Feb. 24, 2007, and state that to the best of my knowledge and belief, the Certificate Holder has constructed this component 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 Feb 24, 2007 Signed Commissions MI610
(Authorized Nuclear Inspector) (Nat'l Bd. Incl. endorsements and state or prov. and no.)

CERTIFICATE OF FIELD ASSEMBLY COMPLIANCE
 We certify that the statements on this report are correct and that the field assembly construction of all parts of this nuclear vessel conforms to the rules of construction of the ASME Code, Section III, Division 1.
 N Certificate of Authorization No. Expires
 Date Name Signed
(N Certificate Holder) (Authorized representative)

CERTIFICATE OF FIELD ASSEMBLY INSPECTION
 I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of and employed by of have compared the statements in this Data Report with the described component and state that parts referred to as data items , not included in the certificate of shop inspection, have been inspected by me on and that to the best of my knowledge and belief the Certificate Holder has constructed and assembled this component 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 Signed Commissions
(Authorized Nuclear Inspector) (Nat'l Bd. Incl. endorsements and state or prov. and no.)

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 E21-2062745801		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 April 20, 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 HIGH HEAD SAFETY INJECTION/CVCS SYSTEM																																																																																					
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HYD.SNUBBER	LISEGA	30500420/002	N/A	QP050939	2006	REPLACEMENT	NO																																																																														
7. Description of Work SNUBBER SS-12184 WAS REPLACED AS A SCHEDULED UPGRADE. REF: TRANSACTION NUMBER 103782 VT-3 PERFORMED ON REPLACEMENT SNUBBER																																																																																					
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> </u> PSI Temperature <u> </u> °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

E21-2062745801

Sheet 2 of 2

9. Remarks (Applicable Manufacturer's Data Reports to be attached)**SUPPORTS DESIGNED TO AICS-1969 AND WELDED TO AWS D1.1-86.****REFERENCE EQUIVALENCY DETERMINATION (LED) 96-0-0225. REV. 1****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 Maintenance Manager Date 5/22/07
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 NEW HAMPSHIRE and employed by HSB CT of HARTFORD, CT have inspected the components described in this Owner's Report during the period APRIL 19, 2007 to MAY 24, 2007 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.



Inspector's Signature

Commissions

NH734 AIN

National Board, State, Province, and Endorsements

Date

5/24/07

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 G24-2062747101	Sheet 1 of 2																																																																																								
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7. Description of Work REPLACEMENT SNUBBER SS12889 WAS REPLACED DUE TO A SCHEDULED UPGRADE: REFERENCE TRANSACTION NUMBER <u>103798</u> VT-3 WAS PERFORMED ON REPLACEMENT SNUBBER																																																																																											
8. Test Conducted <input type="checkbox"/> Hydrostatic <input type="checkbox"/> Pneumatic <input type="checkbox"/> Normal Operating Pressure <input checked="" type="checkbox"/> None <input type="checkbox"/> Other Pressure <u> </u> PSI Temperature <u> </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

G24--2062747101

Sheet 2 of 2

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

SUPPORTS DESIGNED TO AICS-1969 AND WELDED TO AWS D1.1-86.

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

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 Eyle Maintenance Manager Date 5/23/07
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 NEW HAMPSHIRE and employed by HSB CT of HARTFORD, CT have inspected the components described in this Owner's Report during the period APRIL 10, 2007 to MAY 24, 2007, 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

NH734 AIN

National Board, State, Province, and Endorsements

Date

5/24/07

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 - 2070824901	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 May 7, 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 <div style="text-align: center;">Service Water System</div>																																																																																			
5. (a) Applicable Construction Code: <u>ASME Section III,</u> 19 <u>68</u> Edition <u>Winter 1970</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																																																																																			
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7. Description of Work One of the body to bonnet studs of Q2P16V0069B was damaged due to corrosion. This stud and nut was replaced with a new stud and nut. Ref: Transaction # 113459																																																																																			
8. Test Conducted <div style="display: flex; justify-content: space-between;"> <input type="checkbox"/> Hydrostatic <input type="checkbox"/> Pneumatic <input type="checkbox"/> Normal Operating Pressure <input checked="" type="checkbox"/> None <input type="checkbox"/> Other </div> 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 - 2070824901

Sheet 2 of 2

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

Replaced stud and nut were originally stamped as a part of valve Serial Number E-5314-10-2.

Certificate of Compliance

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

Type Code Symbol Stamp

N/A

Certificate of Authorization Number

N/A

Expiration Date

N/A

Signed

Ram
Owner or Owner's Designated Title

Maintenance Manager

Date

5/22/07

Certificate of Inservice Inspection

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of NEW HAMPSHIRE and employed by HSB CT of HARTFORD, CT have inspected the components described in this Owner's Report during the period APRIL 15, 2007 to MAY 24, 2007, 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

NH 734 AIN

National Board, State, Province, and Endorsements

Date

5/24/07

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 N11 - 2062579601	Sheet 1 of 2																																																																																
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Pilot Plug	Fisher	AD6919-1	N/A	QP030885	2004	Replacement	Yes																																																																												
7. Description of Work During investigation of valve internals on Q2N11PV3711B it was determined that the primary plug and pilot plug needed to be replaced. Ref: Transaction # 112876																																																																																			
8. Test Conducted <div style="display: flex; justify-content: space-between;"> <input type="checkbox"/> Hydrostatic <input type="checkbox"/> Pneumatic <input type="checkbox"/> Normal Operating Pressure <input checked="" type="checkbox"/> None <input type="checkbox"/> Other </div> 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

N11 - 2062579601

Sheet 2 of 2

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

Original primary plug and pilot plug were stamped as a part of valve Serial # 5653513-515.

QC97-0-0476 approves the alternate configuration and material differences in the internal valve parts based on Fisher Valve Co. recommendations.

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 Ran Tyler Maintenance Manager Date 5/22/07
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 NEW HAMPSHIRE and employed by HSB CT of HARTFORD, CT have inspected the components described in this Owner's Report during the period APRIL 17, 2007 to MAY 24, 2007, 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

NH 734 AIN

National Board, State, Province, and Endorsements

Date

5/24/07

**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

*NEW
PRIMARY
PLUG*

1. Manufactured and certified by FISHER CONTROLS INT'L LLC., 757 OLD CLEMSON ROAD, COLUMBIA, SC 29229
(name and address of NPT Certificate Holder)

2. Manufactured for Alabama Power Company, Post Office Box 1295, Birmingham, Alabama, 35201
(name and address of purchaser)

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

4. Type 55A5940 Rev. C SA-479 S31600/COCR-A 75 ksi N/A 2007
(drawing no.) (mat'l. spec. no.) (tensile strength) (CRN) (year built)

5. ASME Code, Section III: 1971 S'72 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: _____

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	Heat Number
(1)	272319-1A	242445/8AH30B
(2)	272319-1B	242445/8AH30B
(3)	272319-1C	242445/8AH30B
(4)	272319-1D	242445/8AH30B
(5)	272319-1E	242445/8AH30B
(6)	272319-1F	242445/8AH30B
(7)	272319-1G	242445/8AH30B
(8)		
(9)		
(10)		
(11)		
(12)		
(13)		
(14)		
(15)		
(16)		
(17)		
(18)		
(19)		
(20)		
(21)		
(22)		
(23)		
(24)		
(25)		

	Part or Appurtenance Serial Number	Heat Number
(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 1085 psi. Temp. 600 °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.

FORM N-2 (back)

Mfr. Serial No. 272319-1A thru 1G

CERTIFICATION OF DESIGN

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

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

CERTIFICATE OF SHOP COMPLIANCE

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

NPT Certificate of Authorization No. N-3156 Expires 11-27-07

Date 4/27/2007 Name FISHER CONTROLS INT'L LLC Signed [Signature]
(NPT Certificate Holder) (authorized representative)

CERTIFICATE OF SHOP INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the state or Province of North Carolina
and employed by Hartford Steam Boiler of CT
of Hartford, CT have inspected these items described in this Data Report on 27 APRIL 2007 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. 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 4/27/07 Signed [Signature] Commissions NC # 1073
(Authorized Inspector) (Nat'l. Bd. (incl. endorsements) state or prov. and no.)

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

*NEW PILOT
PRIMARY
PLUG*

Pg. 1 of 1

25-N580155272 IT. 1

1. Manufactured and certified by FISHER CONTROLS INT'L LLC, 205 SOUTH CENTER STREET, MARSHALLTOWN, IA. 50158
(name and address of NPT Certificate Holder)
2. Manufactured for ALABAMA POWER CO., P.O. BOX 2641, BIRMINGHAM, AL. 35291
(name and address of purchaser)
3. Location of installation FARLEY PLANT, 7388 N. STATE HIGHWAY 95, COLUMBIA, AL. 36319
(name and address)
4. Type 11B9600 REV. A SB166 N06600 80 KSI N/A 2004
(drawing no.) (mat'l. spec. no.) (tensile strength) (CRN) (year built)
5. ASME Code, Section III. 1971 SUMMER 1972 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: DESIGN: ASME B&PVC, SECT. III, 1971 EDITION, SUMMER 1972 ADDENDA, CLASS 2
OTHER: ASME B&PVC, SECT. III, 1989 EDITION, NO ADDENDA, CLASS 2
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	Heat Number
(1)	AD6919-1	44830
(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	Heat Number
(26)		
(27)		
(28)		
(29)		
(30)		
(31)		
(32)		
(33)		
(34)		
(35)		
(36)		
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(41)		
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(43)		
(44)		
(45)		
(46)		
(47)		
(48)		
(49)		
(50)		

10. Design Pressure 1085 psi. Temp. 600 °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.

FORM N-2 (back)

Mfr. Serial No. AD6919-1

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 SHOP COMPLIANCE

We certify that the statements made in this report are correct and that this (these) PILOT PLUG/CONV SET
 conforms to the rules of construction of the ASME Code, Section III.

NPT Certificate of Authorization No. 1930 Expires 11-11-2004

Date 9-30-04 Name FISHER CONTROLS INT'L LLC
 (NPT Certificate Holder)

Signed [Signature]
 (authorized representative)

CERTIFICATE OF SHOP INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the state or Province of Iowa
 and employed by Hartford Steam Boiler of CT
 of Hartford, CT have inspected these items described in this Data Report on 9-30-04 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. 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 9-30-04 Signed [Signature] Commissions 822 IA
 (Authorized Inspector) (Nat'l. Bd. (incl. endorsements) state or prov. and no.)

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 - 2052890401	Sheet 1 of 2																																																																																
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Cap Screws	Mackson	111F	N/A	QP050266	2005	Replacement	Yes																																																																												
7. Description of Work Valve Q2P16V779 was binding when attempting to close the valve. The bonnet and cap screws were replaced with a new bonnet and cap screws. Ref: Transaction # 105475																																																																																			
8. Test Conducted <div style="display: flex; justify-content: space-between;"> <input type="checkbox"/> Hydrostatic <input type="checkbox"/> Pneumatic <input checked="" type="checkbox"/> Normal Operating Pressure <input type="checkbox"/> None <input type="checkbox"/> Other </div> 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 - 2052890401

Sheet 2 of 2

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

The new bonnet and cap screws were removed from a complete valve Serial Number 47BDY.

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 Ran Zyl Maintenance Manager Date 5/22/07
Owner or Owner's Designer, 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 NEW HAMPSHIRE and employed by HSB CT of HARTFORD, CT have inspected the components described in this Owner's Report during the period MAY 3, 2007 to MAY 29, 2007, 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

NH 734 AIN

National Board, State, Province, and Endorsements

Date

5/29/07

FORM NPV-1 N CERTIFICATE HOLDERS' DATA REPORT FOR NUCLEAR PUMPS OR VALVES*

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

Pg. 1 of 2

1. Manufactured by Flowserve Corporation, 1900 S. Saunders St., Raleigh, NC 27603
(Name and Address of N Certificate Holder)

2. Manufactured for Alabama Power Company/PO Box 2641 Birmingham, AL 352910000
(Name and Address of Purchaser or Owner)

3. Location of Installation Alabama Power Company/Farley Nuclear Plant/7388 North State Hwy. 95, Columbia, AL 36319
(Name and Address)

4. Pump or Valve Valve Nominal Inlet Size 2" Outlet Size 2"
(inch) (inch)

	(a) Model No. Series No. or Type	(b) N Certificate Holder's Serial No.	(c) Canadian Registration No.	(d) Drawing No.	(e) Class	(f) Nat'l. Bd. No.	(g) Year Built
(1)	SW12401(F316)JT3	46BDY	N/A	04-29184-01 Rev. 0	3	N/A	2005
(2)	SW12401(F316)JT3	47BDY	N/A	04-29184-01 Rev. 0	3	N/A	2005
(3)	SW12401(F316)JT3	48BDY	N/A	04-29184-01 Rev. 0	3	N/A	2005
(4)							
(5)							
(6)							
(7)							
(8)							
(9)							
(10)							

5. 2" SW12401 (F316) JT3

(Brief description of service for which equipment was designed)

34735

6. Design Conditions 895 psi 800 °F or Valve Pressure Class 600 (1)
(Pressure) (Temperature)

7. Cold Working Pressure 1440 psi at 100 °F.

8. Pressure Retaining Pieces

Mark No.	Material Spec. No.	Manufacturer	Remarks
(a) Castings			
(b) Forgings			
85587	SA182 F316	Larson	Body
85588	SA182 F316	Larson	Bonnet
21407	SA479 T410	Dubose	Gate

(1) For manually operated valves only

*Supplemental sheets in form of lists, sketches or drawings may be used provided (1) size is 8-1/2" x 11", (2) information in items 1, 2 and 5 on this Data Report is included on each sheet, and (3) each sheet is numbered and number of sheets is recorded at top of this form.

[illegible]

9. **Hydrostatic test** **2175** **psi.** **Disk Differential test pressure** **1600** **psi.**

CERTIFICATE OF COMPLIANCE

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

1974

Addenda Summer 1975 , Code Case No. N/A , Date 10-31-05

Signed Flowserve Corp.
(N Certificate Holder)

by

Date 10-31-05

Our ASME Certificate of Authorization No. N-1562 to use the N symbol expires 11-26-06
(N) (Date)

CERTIFICATION OF DESIGN

Design information on file at

Flowserve Corporation Raleigh, NC

Stress analysis report (Class 1 only) on file at

Design specifications certified by (1)

PE State AL

Reg. No.

An Nguyen

15301

Stress analysis certified by (1)

PE State

Reg. No.

(1) Signature not required. List name only.

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 **North Carolina** and employed by **HSB CT** of

Hartford Connecticut have inspected the pump, or valve, described in this Data Report on 10/31/05, and state that, to the best of my knowledge and belief, the N Certificate Holder has constructed this pump, or valve, in accordance with ASME Code, Section III. By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the equipment described in this s 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 10/31/105

Signed

Commissions **NE#1421**

(Inspector)

(Nat'l Bd., State, Prov. and No.)

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 - 2052941901	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 May 1, 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 <hr/> Authorization Number N/A <hr/> Expiration Date N/A																																																																																	
4. Identification of System High Head Safety Injection / Chemical Volume And Control System																																																																																			
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7. Description of Work Valve Q2E21V144A was found with one packing adjustment nut missing and the other bent. The entire bonnet assembly was replaced with an new bonnet assembly. Ref: Transaction # 105600																																																																																			
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 - 2052941901

Sheet 2 of 2

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

Replaced bonnet assembly was stamped as a part of complete valve assembly AHM5-2 which was installed on WO M96005892.

Replacement bonnet assembly was stamped as a part of complete valve assembly 96AXR.

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

Maintenance Manager

Date

5/22/07

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 NEW HAMPSHIRE and employed by HESB CT of HARTFORD CT have inspected the components described in this Owner's Report during the period APRIL 13, 2007 to MAY 19, 2007, 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.

Inspector's Signature

Commissions

NA 734 AIN

National Board, State, Province, and Endorsements

Date

5/29/07

Pg. 1 of 2

(10)

(Brief description of service for which equipment was designed)

24941

8. Pressure Retaining Pieces

*Supplemental sheets in form of lists, sketches or drawings may be used provided (1) size is 8-1/2" x 11", (2) information in items 1, 2 and 5 on this Data Report is included on each sheet, and (3) each sheet is numbered and number of sheets is recorded at top of this form.

2

Valve S/N _96AXR_through _----

[illegible]

9. Hydrostatic test	5400	psi.	Disk Differential test pressure	3960	psi.
---------------------	------	------	---------------------------------	------	------

CERTIFICATE OF COMPLIANCE

We certify that the statements made in this report are correct and that this pump, or valve, conforms

to the rules of construction
1971

of the ASME Code for Nuclear Power Plant Components. Section III, Div. 1, Edition
Addenda Winter 1971, with Paragraph NB6111.1C of Winter 1972

Date 11/21/03

Signed Flowserve by _____
(N Certificate Holder)

Our ASME Certificate of Authorization No. N-1563 to use the N symbol expires 11-26-06
(N) (Date)

CERTIFICATION OF DESIGN

Design information on file at

Flowserve Corporation Raleigh, NC

Stress analysis report (Class 1 only) on file at

Design specifications certified by (1)

A.A. Vizzi

PE State

AL

Reg. No.

9576

Stress analysis certified by (1)

PE State

Reg. No.

(1) Signature not required. List name only.

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 **North Carolina** and employed by **HSB CT** of **Hartford Connecticut**

have inspected the pump, or valve, described in this Data Report on 11/21/63, and state that, to the best of my knowledge and belief, the N Certificate Holder has constructed this pump, or valve, in accordance with ASME Code, Section III.

By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the equipment described in this s 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 11/21/03

Signed [Signature] (Inspector) Commissions DC 1421 (Name)

(Nat'l Bd. State. Prov. and No.)

3

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 N11 - 2050682901	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 May 7, 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 <div style="text-align: center;">Main Steam System</div>																																																																																			
5. (a) Applicable Construction Code: <u>ASME Section III,</u> 19 <u>71</u> Edition <u>Summer 1973</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																																																																																			
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7. Description of Work The disc assembly for Q2N11V001B was replaced with a refurbished disc assembly as a part of a regularly scheduled PM. Ref: Transaction # 110518																																																																																			
8. Test Conducted <input type="checkbox"/> Hydrostatic <input type="checkbox"/> Pneumatic <input type="checkbox"/> Normal Operating Pressure <input checked="" 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

N11 - 2050682901

Sheet 2 of 2

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

New disc assembly was originally purchased on FNP-191 and refurbished on purchase order QP050618.

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 Zyl Maintenance Manager Date 5/21/07
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 NEW HAMPSHIRE and employed by HSB CT of HARTFORD, CT have inspected the components described in this Owner's Report during the period APRIL 9, 2007 to MAY 29, 2007, 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 734 AIN

National Board, State, Province, and Endorsements

Date

5/29/07

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 - 2053012801	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 April 19, 2007																																																																																									
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4. Identification of System <div style="text-align: center;">Service Water System</div>																																																																																											
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Disc	Weir Valves	2	N/A	QP060786	2006	Replacement	Yes																																																																																				
7. Description of Work Q2P16V679 was previously worked on WO 2052906801. It was noted at that time that the disc was hanging low and was in need of replacement. A replacement disc was not available at the time. A new disc was installed on this work order. Ref: Transaction # 105455																																																																																											
8. Test Conducted <input type="checkbox"/> Hydrostatic <input type="checkbox"/> Pneumatic <input type="checkbox"/> Normal Operating Pressure <input checked="" 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 - 2053012801

Sheet 2 of 2

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

Certificate of Compliance

We certify that the statements made in the report are correct and 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 Ran Zyl Maintenance Manager Date 5/21/07
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 NEW HAMPSHIRE and employed by HSB CT of HARTFORD, CT have inspected the components described

in this Owner's Report during the period APRIL 16, 2007 to MAY 29, 2007, 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

NH 734 A IN

National Board, State, Province, and Endorsements

Date

5/29/07

**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

* Corrected Copy

Pg. 1 of 2

1. Manufactured and certified by Weir Valves & Controls, USA Inc., 285 Canal Street Salem, MA 01970
(name and address of NPT Certificate Holder)
2. Manufactured for Alabama Power, P.O. Box 2641, Birmingham, AL 35291-0015
(name and address of Purchaser)
3. Location of installation Farley Nuclear Plant, 7388 N. State Highway 95, Columbia, AL 36319
(name and address)
4. Type: *C23420, Rev. 1 SA 516, GR: 70 77.0 KSI N/A 2006
(drawing no.) (mat'l. spec. no.) (tensile strength) (CRN) (year built)
5. ASME Code, Section III, Division 1: 1974 WINTER 74 3 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: Cust. Item 01 WVC Item 10, Disc Weldment, A&M P/N 43311-018-2002-000 QLA
(WVC S.O. 75533) *Dwg. Prepared by A&M. This certification meets the required information of ASME
Section III 1974 Edition W74 Addenda.
8. Nom. Thickness (in.) .95 Min. design thickness (in.) 11/32 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) HT: S00222 S/N: 1	N/A
(2) HT: S00222 S/N: 2	N/A
(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 N/A psi. Temp. N/A °F. Hydro. test pressure 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 is numbered and the number of sheets is recorded at the top of this form.

(12/88)

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

Reprint (7/ 91)

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

Certificate Holders' Serial Nos. HT: S00222 S/N: 1 & 2 through N/A

CERTIFICATION OF DESIGN				
Design specifications certified by	<u>N/A</u> <small>(when applicable)</small>	P.E. State	<u>N/A</u>	Reg. no. <u>N/A</u>
Design report * certified by	<u>N/A</u> <small>(when applicable)</small>	P.E. State	<u>N/A</u>	Reg. no. <u>N/A</u>
CERTIFICATE OF COMPLIANCE				
We certify that the statements made in this report are correct and that this (these) <u>Disc Weldment</u>				
NPT Certificate of Authorization No.	<u>N2607</u>	Expires	<u>6-13-07</u>	
Date <u>12/1/06</u>	Name <u>Weir Valves & Controls, USA Inc.</u> <small>(NPT Certificate Holder)</small>	Signed <u><i>Ray H. Donnell</i></u> <small>(authorized representative)</small>		
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				
<u>MA</u>	And employed by		<u>H.S.B.C.T.</u>	
of <u>Hartford, CT</u>	have inspected these items described in this Data Report on <u>12/12/06</u>			and state that to the
<p>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.</p> <p>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.</p>				
Date <u>12/12/06</u>	Signed <u><i>Chris Haun</i></u> <small>(authorized inspector)</small>	Commissions <u>MA1651 ABNI</u> <small>(Nat'l Bd. (incl. Endorsements) and state or prov. And no.)</small>		

The following items attached to Disc Weldment:

- * Disc Post - SA 516, GR: 70 - HT: S00539, S/N: 1 & 2

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 N11 - 2061335801	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 May 7, 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 <hr/> Authorization Number N/A <hr/> Expiration Date N/A																																																																																	
4. Identification of System <div style="text-align: center;">Main Steam System</div>																																																																																			
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7. Description of Work The disc assembly for Q2N11V001A was reeplaced with a refurbished disc assembly as a part of a regularly scheduled PM. Ref: Transaction # 110525																																																																																			
8. Test Conducted <div style="display: flex; justify-content: space-between;"> <input type="checkbox"/> Hydrostatic <input type="checkbox"/> Pneumatic <input type="checkbox"/> Normal Operating Pressure <input checked="" type="checkbox"/> None <input type="checkbox"/> Other </div> 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

N11 - 2061335801

Sheet 2 of 2

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

New disc assembly was originally purchased on 21144 and refurbished on purchase order QP050618.

Certificate of ComplianceWe 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



Owner or Owner's Designee, Title

Maintenance Manager

Date

5/21/07

Certificate of Inservice Inspection

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of NEW HAMPSHIRE and employed by HSB CT of HARTFORD, CT have inspected the components described in this Owner's Report during the period APRIL 19, 2007 to MAY 29, 2007, 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.



Inspector's Signature

Commissions

NH 734 ANI

National Board, State, Province, and Endorsements

Date

7/11/07

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 E11 - 2061387601	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 May 6, 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 <hr/> Authorization Number N/A <hr/> Expiration Date N/A																																																																																									
4. Identification of System <div style="text-align: center;">Rhr/Lhsi System</div>																																																																																											
5. (a) Applicable Construction Code: <u>ASME Section III,</u> 19 <u>68</u> Edition <u>Winter 1970</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																																																																																											
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7. Description of Work During a regulary scheduled PM to disassemble and inspect Q2E11V0038A, one nut was damaged during removal. This nut was replaced with a new nut. Ref: Transaction # 112290																																																																																											
8. Test Conducted <input type="checkbox"/> Hydrostatic <input type="checkbox"/> Pneumatic <input type="checkbox"/> Normal Operating Pressure <input checked="" 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

E11 - 2061387601

Sheet 2 of 2

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

Original Nut was stamped as a part of valve serial number 7110-95182-10-1.

QC 98-09517 and FNP-0-QCP-22 approves the use of the alternate material and code year.

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

Ra Jzh

Maintenance Manager

Date

5/19/07

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 NEW HAMPSHIRE and employed by HSB CT of HARTFORD, CT have inspected the components described

in this Owner's Report during the period APRIL 26, 2007 to MAY 30, 2007, 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

NIT 734

National Board, State, Province, and Endorsements

Date

5/30/07

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 B21 - 2070823301	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 May 3, 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																																																																																	
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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

B21 - 2070823301

Sheet 2 of 2

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

Certificate of Compliance

We certify that the statements made in the report are correct and 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 Zlu Maintenance Manager Date 5/21/07
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 NEW HAMPSHIRE and employed by HSB CT of HARTFORD, CT have inspected the components described in this Owner's Report during the period APRIL 31, 2007 to MAY 29, 2007 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

NH 734 AIN

National Board, State, Province, and Endorsements

Date

5/29/07

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 B21 - 2070818201	Sheet 1 of 2																																																																																
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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

B21 - 2070818201

Sheet 2 of 2

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

Certificate of Compliance

We certify that the statements made in the report are correct and 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 Jln Maintenance Manager Date 5/21/07
Owner or Owner's Designated Title

Certificate of Inservice Inspection

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of NEW HAMPSHIRE and employed by HSB CT of HARTFORD, CT have inspected the components described in this Owner's Report during the period APRIL 30, 2007 to MAY 29, 2007, 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

NH 734 AIN

National Board, State, Province, and Endorsements

Date

5/29/07

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 - 2050671501	Sheet 1 of 2																																																																																
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7. Description of Work Valve Q2P16V216E was replaced as a part of a regularly scheduled PM. The materials for the piping and valve were upgraded per MDC 2062257401. Ref: Transaction# 106453, 109849																																																																																			
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 - 2050671501

Sheet 2 of 2

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

Construction code for the replaced and replacement valves was ASME Section III 1971 Edition, Winter 1971 Addenda with paragraph NB6111(c) of Winter 1972 Addenda. Construction code for the service water system is ASME Section III 1971 Edition, Summer 1971 Addenda.

Code case N416-1 was utilized to permit performance of an inservice pressure test at normal system pressure and temperature in lieu of a hydrostatic test at an elevated pressure.

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 Ran Zyl Maintenance Manager Date 5/30/07
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 NEW HAMPSHIRE and employed by HSB CT of HARTFORD, CT have inspected the components described in this Owner's Report during the period APRIL 6, 2007 to MAY 30, 2007, 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 NH TIA AIN
National Board, State, Province, and Endorsements

Date 5/30/07

Pg. 1 of 2

- 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. A060102-1-(1 thru 10)

8. Design conditions _____ psi _____ °F or valve pressure class ANSI 150# (1)
 (pressure) (temperature)
9. Cold working pressure 150 PSIG @ 200F 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 MAR 23 2006 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. on BOSTON MASS have inspected the pump, or valve, described in this Data Report on 3/23/06, 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 3/23/06 Signed [Signature] Commissions NB10644, 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 Repairs or Replacements

RType : L1.52

As required by the provisions of the ASME Code Section XI

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Studs	Mackson	747065	N/A	QP060585	2006	Replacement	No																																																																												
Nuts	Unytite	S67159	N/A	QP060613	2004	Replacement	No																																																																												
7. Description of Work During repair of valve Q2P16V795A, it was noted that the body to bonnet studs and nuts were corroded and in need of replacement. They were replaced with new studs and nuts. Ref: Transaction # 111817																																																																																			
8. Test Conducted <input type="checkbox"/> Hydrostatic <input type="checkbox"/> Pneumatic <input type="checkbox"/> Normal Operating Pressure <input checked="" 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 - M100189701

Sheet 2 of 2

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

The replaced studs and nuts were originally stamped as a part of valve serial number 91455-1.

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

Ru

Jyln

Maintenance Manager

Date

5/21/07

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 NEW HAMPSHIRE and employed by HSB CT of HARTFORD, CT have inspected the components described in this Owner's Report during the period APRIL 23, 2007 to MAY 31, 2007, 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

NH 734 AIN

National Board, State, Province, and Endorsements

Date

5/31/07

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 - M100663701	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 May 4, 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 <div style="text-align: center;">Service Water System</div>																																																																																			
5. (a) Applicable Construction Code: <u>ASME Section III,</u> 19 <u>71</u> Edition <u>Summer 1972</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>N416-1</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>Valve</td> <td>Target Rock</td> <td>5</td> <td>N/A</td> <td>QP980742</td> <td>1998</td> <td>Replaced</td> <td>Yes</td> </tr> <tr> <td>Pipe</td> <td>DMV Stainless</td> <td>485</td> <td>N/A</td> <td>QP980751</td> <td>1997</td> <td>Replaced</td> <td>No</td> </tr> <tr> <td>Elbow</td> <td>Alloy Stainless</td> <td>AP8</td> <td>N/A</td> <td>QP980751</td> <td>1998</td> <td>Replaced</td> <td>No</td> </tr> <tr> <td>Bushing</td> <td>Alloy Stainless</td> <td>JGB</td> <td>N/A</td> <td>QP990785</td> <td>1999</td> <td>Replaced</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>Valve</td> <td>Target Rock</td> <td>7</td> <td>N/A</td> <td>QP050366</td> <td>2005</td> <td>Replacement</td> <td>Yes</td> </tr> <tr> <td>Pipe</td> <td>Alt</td> <td>8572H</td> <td>N/A</td> <td>QP010665</td> <td>2001</td> <td>Replacement</td> <td>No</td> </tr> <tr> <td>Elbow</td> <td>Bonney Forge</td> <td>44012</td> <td>N/A</td> <td>QP060315</td> <td>2005</td> <td>Replacement</td> <td>No</td> </tr> <tr> <td>Bushing</td> <td>Alloy Stainless</td> <td>RG</td> <td>N/A</td> <td>7047Q61585</td> <td>1973</td> <td>Replacement</td> <td>No</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)	Valve	Target Rock	5	N/A	QP980742	1998	Replaced	Yes	Pipe	DMV Stainless	485	N/A	QP980751	1997	Replaced	No	Elbow	Alloy Stainless	AP8	N/A	QP980751	1998	Replaced	No	Bushing	Alloy Stainless	JGB	N/A	QP990785	1999	Replaced	No									Valve	Target Rock	7	N/A	QP050366	2005	Replacement	Yes	Pipe	Alt	8572H	N/A	QP010665	2001	Replacement	No	Elbow	Bonney Forge	44012	N/A	QP060315	2005	Replacement	No	Bushing	Alloy Stainless	RG	N/A	7047Q61585	1973	Replacement	No
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Bushing	Alloy Stainless	RG	N/A	7047Q61585	1973	Replacement	No																																																																												
7. Description of Work Valve Q2P16V662A required replacement due to electrical problems. Ref: Transaction # 105948, 106042																																																																																			
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 - M100663701

Sheet 2 of 2

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

Code case N416-1 was utilized to permit performance of an inservice pressure test at normal system pressure and temperature in lieu of a hydrostatic test at an elevated pressure.

Certificate of Compliance

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

Type Code Symbol Stamp

N/A

Certificate of Authorization Number

N/A

Expiration Date

N/A

Signed

Ron Igle

Maintenance Manager

Date

5/22/07

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 NEW HAMPSHIRE and employed by HSB CT of HARTFORD, CT have inspected the components described in this Owner's Report during the period FEB. 12, 2007 to MAY 24, 2007, 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

NB 12564 NH 779 AIN

National Board, State, Province, and Endorsements

Date

5/24/07

FORM NPV-1 CERTIFICATE HOLDERS' DATA REPORT FOR NUCLEAR PUMPS OR VALVES*
As Required by the Provisions of the ASME Code, Section III, Division 1

1. Manufactured and certified by Target Rock; 1966E Broadhollow Rd.; E. Farmingdale, NY 11735
(name and address of N Certificate Holder)
2. Manufactured for Alabama Power Co.; 7388 N. State Highway 95; Columbia, AL
(name and address of Purchaser)
3. Location of installation Farley Nuclear Plant; 7388 N. State Highway 95; Columbia, AL
(name and address)
4. Model No., Series No., or Type 98M-001 Drawing 98M-001 Rev. C CRN N/A
5. ASME Code, Section III, Division 1: 1971 Summer 1972 3 None
(edition) (addenda date) (class) (Code Case no.)
6. Pump or valve Valve Nominal inlet size 2 Outlet size 2
(in.) (in.)
7. Material: Body SA182 F316L Bonnet SA479 XM-19 Disc SA564 630 Bolting SA453-660

[illegible]

* Supplemental information in form of lists, sketches, or drawings may be used provided (1) size is 8½ 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. 98M-001 s/n 7

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 425 psi. Disc differential test pressure N/A psi

11. Remarks: Indicator Tube SA-479 316, S/N 5237

Clamp Ring SA479 XM-19 S/N 75

CERTIFICATION OF DESIGN

Design Specification certified by An Ngoc Nguyen P.E. State AL Reg. No. 15301

Design Report certified by Not Applicable 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-1947 Expires 12/12/2007

Date 11/28/2005 Name Target Rock Signed R. E. Glazier
(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 of Province of New York and employed by OneBeacon America Insurance Co. of Boston, MA have inspected the pump, or valve, described in this Data Report on 11/28/2005 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 11/28/2005 Signed [Signature] Commissions NY 5102
(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 Repairs or Replacements

RType : L1.52

As required by the provisions of the ASME Code Section XI

		Job Number T52 - 2052827001	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 April 10, 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 <hr/> Authorization Number N/A <hr/> Expiration Date N/A																																																																																	
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7. Description of Work When performing LLRT on Q2T52PENE14, it was noted that the area around the jacking bolts on the spent fuel pool side was leaking. In order to eliminate the leaking, Method 1 on MDC2070521201 was used. Ref: Transaction # 102044																																																																																			
8. Test Conducted <input type="checkbox"/> Hydrostatic <input type="checkbox"/> Pneumatic <input type="checkbox"/> Normal Operating Pressure <input checked="" 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

T52 - 2052827001

Sheet 2 of 2

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

Stainless steel plate used iaw Method 1 on MDC 2070521201 has heat number 944405 and was purchased on QP060970.

Certificate of Compliance

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

Type Code Symbol Stamp

N/A

Certificate of Authorization Number

N/A

Expiration Date

N/A

Signed

Ran Zyl

Maintenance Manager

Date

5/21/07

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 NEW HAMPSHIRE and employed by HSB CT of HARTFORD, CT have inspected the components described in this Owner's Report during the period MARCH 28, 2007 to MAY 31, 2007, 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

NH 73A AIN

National Board, State, Province, and Endorsements

Date

5/31/07

Stearns-Roger

FORM N-2 MANUFACTURERS DATA REPORT FOR NUCLEAR PART AND APPURTENANCES

As required by the Provisions of the ASME Code Rules

1. (a) Manufactured by Stearns-Roger Corp. General Iron Works Co., 600 W. Bates, Englewood, Colo. 80110
(Name and address of Manufacturer of part)

(b) Manufactured for Westinghouse Elect. Corp., P.O. Box 355, Pittsburgh, PA, 15230
(Name and address of Manufacturer of completed nuclear vessel)

2. Identification-Manufacturer's Serial No. of Part C13784-3652 Nat'l. Bd. No. -

(a) Constructed According to Drawing No. 22409-3 Drawing Prepared by Stearns-Roger Corp.

(b) Description of Part Inspected Transfer Tube

(c) Applicable ASME Code: Section III, Edition 1971, Addenda dms Sum 73, Case No. --- Class II

3. Remarks: For transfer of Nuclear Fuel Cell from fuel storage building to reactor building.
(Brief description of service for which vessel part was designed)

We certify that the statements made in this report are correct and this vessel part or appurtenance as defined in the Code conforms to the rules of construction of the ASME Code Section III.
(The applicable Design Specification and Stress Report are not the responsibility of the part Manufacturer. An appurtenance Manufacturer is responsible for furnishing a separate Design Specification and Stress Report if the appurtenance is not included in the vessel Design Specification and Stress Report.)

Date August 22, 1974 Signed Stearns-Roger Corp. By Roger Davis
(Manufacturer)

Certificate of Authorization Expires March 7, 1975 Certificate of Authorization No. 384

CERTIFICATION OF DESIGN FOR APPURTENANCE (when applicable)

Design information on file at Not Applicable

Stress analysis report on file at II

Design specifications certified by II Prof. Eng. State --- Reg. No. ---

Stress analysis report certified by --- Prof. Eng. State --- Reg. No. ---

CERTIFICATE OF SHOP INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and/or the State of Colorado and employed by The Hartford Steam Boiler Insp. & Ins. Co. of Hartford, Conn. have inspected the part Transfer Tube described in the Manufacturer's Partial Data Report on Aug. 22, 1974 and state that to the best of my knowledge and belief, the Manufacturer has constructed this part in accordance with the ASME Code Section III.

By signing this certificate, neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the part described in the Manufacturer's Partial 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. 22, 1974

F. T. Boyle
Inspector's Signature

QCDS
Commissioner
National Board, State, Province and No.

WES - WME
AUG 27 1974

A 18.05 FNP2-2
181744

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 T52 - 2070804001	Sheet 1 of 2																																																																																								
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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

T52 - 2070804001

Sheet 2 of 2

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

Certificate of Compliance

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

Ran Z...

Maintenance Manager

Date

5/19/07

Owner or Owner's Designer, 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 NEW HAMPSHIRE and employed by HSB CT of HARTFORD, CT have inspected the components described in this Owner's Report during the period MAY 9, 2007 to MAY 29, 2007, 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

NH 734 AIN

National Board, State, Province, and Endorsements

Date

5/29/07

Stearns-Roger

FORM N-2 MANUFACTURERS DATA REPORT FOR NUCLEAR PART AND APPURTENANCES

As required by the Provisions of the ASME Code Rules

1. (a) Manufactured by Stearns-Roger Corp. General Iron Works Co., 600 W. Bates, Englewood, Colo. 80110
(Name and address of Manufacturer of part)

(b) Manufactured for Westinghouse Elect. Corp., P.O. Box 355, Pittsburgh, PA, 15230
(Name and address of Manufacturer of completed nuclear vessel)

2. Identification-Manufacturer's Serial No. of Part C13784-3652 Nat'l. Bd. No. ---

(a) Constructed According to Drawing No. 22409-3 Drawing Prepared by Stearns-Roger Corp.

(b) Description of Part Inspected Transfer Tube

(c) Applicable ASME Codes: Section III, Edition 1971, Addenda date Sum 73, Case No. --- Class II

3. Remarks For transfer of Nuclear Fuel Cell from fuel storage building to reactor building.
(Brief description of service for which vessel part was designed)

By certifying that the statements made in this report are correct and this vessel part or appurtenance as defined in the Code conforms to the rules of construction of the ASME Code Section III, the Manufacturer is not responsible for the design of the part. An appurtenance Manufacturer is responsible for furnishing a separate Design Specification and Stress Report if the appurtenance is not included in the vessel Design Specification and Stress Report.

Date August 22, 1974 Signed Stearns-Roger Corp. By Roger Davis
(Manufacturer's Signature)

Certificate of Authorization Expires March 7, 1975 Certificate of Authorization No. 384

CERTIFICATION OF DESIGN FOR APPURTENANCE (when applicable)

Design information on file at Not Applicable

Stress analysis report on file at ---

Design specifications certified by --- Prof. Eng. State --- Reg. No. ---

Stress analysis report certified by --- Prof. Eng. State --- Reg. No. ---

CERTIFICATE OF SHOP INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and/or the State or Province of Colorado and employed by The Hartford Steam Boiler Insp. & Ins. Co. of Hartford, Conn. have inspected the part described above and signed in this Manufacturer's Partial Data Report on Aug. 22, 1974, and state that to the best of my knowledge and belief, the Manufacturer has constructed this part in accordance with the ASME Code Section III.

By signing this certificate, neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the part described in this Manufacturer's Partial 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. 22, 1974
F. J. Boyle Inspector's Signature
QCDS Commissioner
National Board, State, Province, and No.

WNE- WME
AUG 27 1974
A 18.05 FNP 2-2
181744

Stearns-Roger

FORM N-2 (back)

Items 4-8 incl. to be completed for single wall vessels, jackets of jacketed vessels, or shells of heat exchangers.

4. Shell: Material SA240-304 T.S. 75000 Nominal Thickness .375 in. Allowance 0 in. Diam. 18 in. Length 1 1/2 ft.

5. Seams: Long Dbl. Butt H.T. No R.T. 100% Efficiency 100 %

6. Heads: (a) Material SA182-F304 T.S. 75000 (b) Material SA182-F304 T.S. 75000

Location	Thickness	Crown Radius	Knuckle Radius	Elliptical Ratio	Conical Apex Angle	Hemispherical Radius	Flat Diameter	Side to Press. (Conv. or Conc.)
(Top, bottom, ends)	<u>1.688</u>	<u>-</u>	<u>-</u>	<u>-</u>	<u>-</u>	<u>-</u>	<u>27.5</u>	<u>-</u>
(a) Blind Flg.	<u>1.688</u>	<u>-</u>	<u>-</u>	<u>-</u>	<u>-</u>	<u>-</u>	<u>27.5</u>	<u>-</u>
(b) W.N. Flg.	<u>1.688</u>	<u>-</u>	<u>-</u>	<u>-</u>	<u>-</u>	<u>-</u>	<u>27.5</u>	<u>-</u>

If removable, bolts used SB164-400CD T.S. 85000, 10 1/2 in. Dia. (Describe or attach sketch)

7. Jacket Closure: 60 External PSI @ 350°F Drop Weight - Charpy Impact - at temp. of - °F

8. Design pressure 30 Internal psi at 140° °F

Items 9 and 10 to be completed for tube sections

9. Tube Sheets: Stationary. Material - Diam. - Thickness - in. Attachment - (Welded, Bolted)

10. Tubes: Material - O.D. - in. Thickness - in. Attachment - inches of gap. Number - Type - (St. or U)

Items 11-14 incl. to be completed for inner chambers of jacketed vessels, or chambers of heat exchangers.

11. Shell: Material - T.S. - Nominal Thickness - in. Allowance - in. Diam. - ft. Length - ft.

12. Seams: Long - H.T. - R.T. - Efficiency - %

13. Heads: (a) Material - T.S. - (b) Material - T.S. -

Location	Thickness	Crown Radius	Knuckle Radius	Elliptical Ratio	Conical Apex Angle	Hemispherical Radius	Flat Diameter	Side to Pressure (Convex or Concave)
(a) Top, bottom, ends	<u>-</u>	<u>-</u>	<u>-</u>	<u>-</u>	<u>-</u>	<u>-</u>	<u>-</u>	<u>-</u>
(b) Channel	<u>-</u>	<u>-</u>	<u>-</u>	<u>-</u>	<u>-</u>	<u>-</u>	<u>-</u>	<u>-</u>

If removable, bolts used (a) - (b) - (c) - Other fastening - (Describe or attach sketch)

14. Design pressure - psi at - °F Drop Weight - Charpy Impact - at temp. of - °F

Items below to be completed for all vessels where applicable.

15. Safety Valve Outlets: Number - Size - Location -

16. Nozzles:

Purpose (Inlet, Outlet, Drain)	Number	Diam. or Size	Type	Material	Thickness	Reinforcement Material	How Attached
<u>Test</u>	<u>1</u>	<u>.50</u>	<u>CRIG</u>	<u>SA182-F304</u>	<u>.197</u>	<u>Integral</u>	<u>Welded</u>

17. Inspection Openings: Handholes, No. - Size - Location - Threaded, No. - Size - Location -

18. Supports: Sable No (Yes or No) Legs - (Number) - Legs - (Number) - Other - Attached - (Where & How)

Supports by others

19. Post-weld heat-treated.

20. List other internal or external pressure with coincident temperature when applicable.

This Form is obtainable from the ASME, 345 E. 47th St., New York, N.Y. 10017

QUES - (DME)
AUG 3 1974

18.

FNP-2
18172

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 N11 - 2050683001	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 May 7, 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																																																																																	
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7. Description of Work The disc assembly for Q2N11V001C was replaced with a refurbished disc assembly as a part of a regularly scheduled PM. Ref: Transaction # 110520																																																																																			
8. Test Conducted <input type="checkbox"/> Hydrostatic <input type="checkbox"/> Pneumatic <input type="checkbox"/> Normal Operating Pressure <input checked="" 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

N11 - 2050683001

Sheet 2 of 2

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

New disc assembly was originally purchased on 21144 and refurbished on purchase order QP050618.

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 Ran Igler Maintenance Manager Date 5/21/07
Owner or Owner's Designer, 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 NEW HAMPSHIRE and employed by HEB CT of HARTFORD CT have inspected the components described in this Owner's Report during the period APRIL 19, 2007 to MAY 29, 2007, 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

NH 734 AIN

National Board, State, Province, and Endorsements

Date

5/29/07

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 - 2050667201	Sheet 1 of 2																																																																																
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7. Description of Work Valve Q2P16V216B was replaced as a part of a regularly scheduled PM. The materials for the piping and valve were upgraded per MDC 2062257401. Ref: Transaction# 107864, 109402																																																																																			
8. Test Conducted <div style="display: flex; justify-content: space-between;"> <input type="checkbox"/> Hydrostatic <input type="checkbox"/> Pneumatic <input checked="" type="checkbox"/> Normal Operating Pressure <input type="checkbox"/> None <input type="checkbox"/> Other </div> 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 - 2050667201

Sheet 2 of 2

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

Construction code for the replaced and replacement valves was ASME Section III 1971 Edition, Winter 1971 Addenda with paragraph NB6111(c) of Winter 1972 Addenda. Construction code for the service water system is ASME Section III 1971 Edition, Summer 1971 Addenda.

Code case N416-1 was utilized to permit performance of an inservice pressure test at normal system pressure and temperature in lieu of a hydrostatic test at an elevated pressure.

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 _____ Date 5/31/07
Owner or Owner's Designee, Title Maintenance Manager

Certificate of Inservice Inspection

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of NEW HAMPSHIRE and employed by HSB CT of HARTFORD, CT have inspected the components described in this Owner's Report during the period APRIL 2, 2007 to MAY 30, 2007, 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 NH 734 AEN
National Board, State, Province, and Endorsements

Date 5/30/07

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

Certificate Holder's Serial No. A060905-1-(1 THRU 3)

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 JAN - 2 2007 Name BNL INDUSTRIES, INC. Signed _____
(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 1/4/07 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 1/4/07 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 Repairs or Replacements

RType : L1.52

As required by the provisions of the ASME Code Section XI

		Job Number P16 - 2050671301	Sheet 1 of 2																																																																																
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7. Description of Work Valve Q2P16V216D was replaced as a part of a regularly scheduled PM. The materials for the piping and valve were upgraded per MDC 2062257401. Ref: Transaction# 106408, 109850																																																																																			
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 - 2050671301

Sheet 2 of 2

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

Construction code for the replaced and replacement valves was ASME Section III 1971 Edition, Winter 1971 Addenda with paragraph NB6111(c) of Winter 1972 Addenda. Construction code for the service water system is ASME Section III 1971 Edition, Summer 1971 Addenda.

Code case N416-1 was utilized to permit performance of an inservice pressure test at normal system pressure and temperature in lieu of a hydrostatic test at an elevated pressure.

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 Ran Zyl Maintenance Manager Date 5/30/07
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 NEW HAMPSHIRE and employed by NSB CT of HARTFORD, CT have inspected the components described in this Owner's Report during the period APRIL 6, 2007 to MAY 30, 2007, 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 734 A IN

National Board, State, Province, and Endorsements

Date

5/30/07

FORM NPV-1 (Back — Pg. 2 of 2)

Certificate Holder's Serial No. A060102-1-(1 thru 10)

8. Design conditions _____ psi _____ °F or valve pressure class ANSI 150# (1)
(pressure) (temperature)

9. Cold working pressure 150 PSIG @ 200°F 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 MAR 23 2006 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 3/23/06, 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 3/23/06 Signed [Signature] Commissions NB10644, A, N CT7262
(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 Repairs or Replacements

RType : L1.52

As required by the provisions of the ASME Code Section XI

		Job Number P16 - 2050671101	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 May 7, 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 <hr/> Authorization Number N/A <hr/> Expiration Date N/A																																																																																	
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7. Description of Work Valve Q2P16V216C was replaced as a part of a regularly scheduled PM. The materials for the piping and valve were upgraded per MDC 2062257401. Ref: Transaction# 106361, 109851, 109905																																																																																			
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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 - 2050671101

Sheet 2 of 2

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

Construction code for the replaced and replacement valves was ASME Section III 1971 Edition, Winter 1971 Addenda with paragraph NB6111(c) of Winter 1972 Addenda. Construction code for the service water system is ASME Section III 1971 Edition, Summer 1971 Addenda.

A crack was discovered in the original elbow that was checked out to this work order (HT#EF). CR 2007102976 was written and this elbow was discarded.

Code case N416-1 was utilized to permit performance of an inservice pressure test at normal system pressure and temperature in lieu of a hydrostatic test at an elevated pressure.

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 _____ Date 5/30/07
Owner or Owner's Designee, Title Maintenance Manager

Certificate of Inservice Inspection

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of NEW HAMPSHIRE and employed by HESB CT of HARTFORD, CT have inspected the components described in this Owner's Report during the period APRIL 6, 2007 to MAY 30, 2007, 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.


Inspector's Signature

Commissions NH 734 AIN
National Board, State, Province, and Endorsements

Date

5/30/07

FORM NPV-1 CERTIFICATE HOLDERS' DATA REPORT FOR NUCLEAR PUMPS OR VALVES*
As Required by the Provisions of the ASME Code, Section III, Division 1

FORM NPV-1 (Back — Pg. 2 of 2)

Certificate Holder's Serial No. A060102-1-(1 thru 10)

8. Design conditions _____ psi _____ °F or valve pressure class ANSI 150# (1)
(pressure) (temperature)

9. Cold working pressure 150 PSIG @ 200°F 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 MAR 23 2006 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 INC. of BOSTON, MASS. have inspected the pump, or valve, described in this Data Report on 3/23/06, 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 3/23/06 Signed [Signature] Commission 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 Repairs or Replacements

RType : L1.52

As required by the provisions of the ASME Code Section XI

		Job Number P16 - 2050666901	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 May 7, 2007																																																																																	
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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

P16 - 2050666901

Sheet 2 of 2

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

Construction code for the replaced and replacement valves was ASME Section III 1971 Edition, Winter 1971 Addenda with paragraph NB6111(c) of Winter 1972 Addenda. Construction code for the service water system is ASME Section III 1971 Edition, Summer 1971 Addenda.

Code case N416-1 was utilized to permit performance of an inservice pressure test at normal system pressure and temperature in lieu of a hydrostatic test at an elevated pressure.

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

Ru

Owner or Owner's Designee, Title

Maintenance Manager

Date

5/30/07

Certificate of Inservice Inspection

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of NEW HAMPSHIRE and employed by HSB CT of HARTFORD, CT have inspected the components described in this Owner's Report during the period APRIL 2, 2007 to MAY 30, 2007, 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

NH 734 AIN

National Board, State, Province, and Endorsements

Date

5/31/07

Pg. 1 of 2

- [illegible]

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. A060905-1-(1 THRU 3)

8. Design conditions _____ psi _____ °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 JAN - 2 2007 Name BNL INDUSTRIES, INC. Signed _____
 (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 1/4/07, 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 1/4/07 Signed [Signature] Commissions NB/0644, 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 Repairs or Replacements

RType : L1.52

As required by the provisions of the ASME Code Section XI

		Job Number P16 - 2060722701	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 May 8, 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 <hr/> Authorization Number N/A <hr/> Expiration Date N/A																																																																																	
4. Identification of System <div style="text-align: center;">Service Water System</div>																																																																																			
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>N416-1</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%;">Name of Component</th> <th style="width:12%;">Name of Manufacturer</th> <th style="width:12%;">Manufacturer Serial Number</th> <th style="width:8%;">National Board No.</th> <th style="width:12%;">Other Identification</th> <th style="width:8%;">Year Built</th> <th style="width:12%;">Repaired, Replaced, or Replacement</th> <th style="width:12%;">ASME Code Stamped (Yes / No)</th> </tr> </thead> <tbody> <tr> <td>Concentric Reducer</td> <td>Crane Co.</td> <td>CRCB</td> <td>N/A</td> <td>JG-4(J)-738 WO M5818</td> <td>1976</td> <td>Replaced</td> <td>Yes</td> </tr> <tr> <td>Weld Neck Flange</td> <td>ITT Grinnell</td> <td>EOTY</td> <td>N/A</td> <td>JG-4(J)-738 WO M5818</td> <td>1976</td> <td>Replaced</td> <td>Yes</td> </tr> <tr> <td>Pipe</td> <td>Daniel Construction</td> <td>N55016</td> <td>N/A</td> <td>JG-4(J)-738 WO M5818</td> <td>1978</td> <td>Replaced</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>Concentric Reducer</td> <td>EZFLOW</td> <td>8048-1-1</td> <td>N/A</td> <td>QP070034</td> <td>2007</td> <td>Replacement</td> <td>No</td> </tr> <tr> <td>Weld Neck Flange</td> <td>Western Forge and Flange</td> <td>217H949</td> <td>N/A</td> <td>QP070102</td> <td>2007</td> <td>Replacement</td> <td>No</td> </tr> <tr> <td>Plate (For Spacer)</td> <td>North American Stainless</td> <td>822169</td> <td>N/A</td> <td>QP060645</td> <td>2006</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> </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)	Concentric Reducer	Crane Co.	CRCB	N/A	JG-4(J)-738 WO M5818	1976	Replaced	Yes	Weld Neck Flange	ITT Grinnell	EOTY	N/A	JG-4(J)-738 WO M5818	1976	Replaced	Yes	Pipe	Daniel Construction	N55016	N/A	JG-4(J)-738 WO M5818	1978	Replaced	Yes									Concentric Reducer	EZFLOW	8048-1-1	N/A	QP070034	2007	Replacement	No	Weld Neck Flange	Western Forge and Flange	217H949	N/A	QP070102	2007	Replacement	No	Plate (For Spacer)	North American Stainless	822169	N/A	QP060645	2006	Replacement	No																
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7. Description of Work The reducer is downstream of a throttled butterfly valve (Q2P16V560). Two pin holes are postulated to have been caused by the normal erosion due to the resulting turbulent flow impinging on the flawed area of the reducer. Ref: Transaction # 109511, 109483, 113163																																																																																			
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 - 2060722701

Sheet 2 of 2

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

Code case N416-1 was utilized to permit performance of an inservice pressure test at normal system pressure and temperature in lieu of a hydrostatic test at an elevated pressure.

MDC2070694001 removed the sock-o-let and plug that was installed under MDC04-2-0036 during 2R16 to stop a pinhole leak.
MDC2070987501 removed the 2" pup piece and installed a 1/4" stainless steel spacer between the weld neck flange and V560.

The studs and nuts on the downstream side of V560 were replaced with new studs and nuts. The information for the new studs and nuts is as follows:

6" Studs - HT # 59709, PO # QP070499
Nuts for 6" Studs - HT # 13616, PO # QP070499

12" Studs - HT# 625490, PO # QP070386
Nuts for 12" Studs - HT# 223469, PO# QP070122

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 Maintenance Manager Date 5/30/07
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 NEW HAMPSHIRE and employed by HSB CT of HARTFORD CT have inspected the components described in this Owner's Report during the period APRIL 3, 2007 to MAY 30, 2007, 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

NH 734 AIN

National Board, State, Province, and Endorsements

Date

5/30/07

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 - 2070140201	Sheet 1 of 2																																																																																								
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4. Identification of System <div style="text-align: center;">Charging/Hhsi System</div>																																																																																											
5. (a) Applicable Construction Code: <u>See Note,</u> 19 <u> </u> Edition <u>N/A</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																																																																																											
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7. Description of Work Inspections have identified an integrity issue with the charging pump barrels constructed with a stainless steel cladding. Therefore, FNP is changing out all charging pump casings with casings constructed for forged solid stainless steel. This work order replaced the 2A charging pump barrel (Q2E21P002A) Ref: Transaction # 108370 <div style="text-align: right;">with RLS 5/19/07</div>																																																																																											
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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

E21 - 2070140201

Sheet 2 of 2

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

The original charging pump was built to the 1968 Draft Pump & Valve Code. The Charging System was stamped as ASME Section III 1971 Edition, Summer 1971 Addenda. The replacement charging pump was built to ASME Section III 1971 Addition, Summer 1972 Addenda. This was approved by MDC2063222701.

The serial number for the new pump barrel is RLSA10244. The serial number for the new discharge head is RLSA10101. The Lot number for the new barrel and discharge head combined is RLSA010431.

During the initial ISI inspection of the integrally attached welds, several indications were noted in the feet to barrel welds. These indications were very minor and were removed by grinding while remaining within the design tolerances for the welds. This work was performed on WO 2070140220.

The discharge flange studs and nuts were replaced with new studs and nuts. The information for the new studs and nuts is as follows:

Studs - HT # 235878, PO # QP050760

Nuts - HT # S67159, PO # QP060613

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

Maintenance Manager

Date

5/23/07

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 NEW HAMPSHIRE and employed by HSB CT of HARTFORD, CT have inspected the components described

in this Owner's Report during the period MARCH 26, 2007 to MAY 31, 2007, 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.

Inspector's Signature

Commissions

NH 734 AIN

National Board, State, Province, and Endorsements

Date

5/31/07

**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 Pump Division, Nuclear Products Operations 2300 E. Vernon Ave., Vernon, CA 90058
(Name and address of NPT Certificate Holder)

2 Manufactured for Alabama Power Company, Farley Nuclear Plant - 7338 N. State Highway 95, Columbia, AL36319
(Name and address of purchaser)

3 Location of installation Alabama Power Company, Farley Nuclear Plant - 7338 N. State Highway 95, Columbia, AL36319
(Name and address)

4 Type DWG021915 Rev. B ASME SA-182 GRF 304 75.000 N/A 2007
(drawing no.) (matl. spec. no.) (nominal strength) (CRN) (year built)

5 ASME Code Section III Division 1: 1971 1972 Summer Addenda 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
(na)

7 Remarks: Flowserve Job No.: RLCA04174 Part Nomenclature: Discharge Head / Case Assembly:
Nameplate attached with drive screws

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) <u>RLSA10101</u>	<u>N/A</u>	(26)	
(2) <u>RLSA10244</u>	<u>N/A</u>	(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 3000 psi Temp 300 °F Hydro test pressure 4650 PSI @ 81 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.

(7/98) This form (E00040) may be obtained from the Order Dept. ASME 22 Law Drive, Box 2300, Fairfield, NJ 07007-2300



E00040

John Calcano
323-584-1872
Tamer
323-586-4072 work
213-308-5926 cell

Certificate Holder's Serial Nos. RLSA10101 through RLSA10244

CERTIFICATION OF DESIGN

Design specifications certified by A. Nguyen P.E. State AL Reg. no. 15301
 Design report* certified by C. Robinson P.E. State CA Reg. no. M-18283
(when applicable)

CERTIFICATE OF COMPLIANCE

We certify that the statements made in this report are correct and that this (these) Discharge Head / Case Assembly
 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 MAR 02 2007 Name Flowserve Pump Division, Nuclear Products Operations Signed TAMER REK
(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 California and employed by HSB-CI
 of Hanford, CA have inspected these items described in this Data Report on 3/9/07 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 3/9/07 Signed [Signature] Commissions CA # 2081
(Authorized Nuclear Inspector) (Nat'l Bd. Incl. endorsements, and state or prov. and no.)

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 R43 - S062792701	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 October 1, 2006																																																																																	
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4. Identification of System Diesel Generator Air Coolant Heat Exchanger																																																																																			
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Nuts	American Standard	6-61342-02-1	23892	FNP231	1973	Replaced	Yes																																																																												
Studs (6ea)	T&T Enterprises	731500/AQN	N/A	QP060354	2004	Replacement	No																																																																												
Nuts (12ea)	T&T Enterprises	HY5938/LWE	N/A	QP060354	2006	Replacement	No																																																																												
Studs (2ea)	T&T Enterprises	731500/AQN	N/A	QP060283	2004	Replacement	No																																																																												
Nuts (4ea)	Mackson	7307732/AQO	N/A	QP060283	2006	Replacement	No																																																																												
7. Description of Work During inspection of the 2C Diesel Generator Air Coolant Heat Exchanger (QSR43H0513), several studs and nuts were damaged during removal. All studs and nuts were replaced with new studs and nuts. Ref: Transaction # 99119																																																																																			
8. Test Conducted <input type="checkbox"/> Hydrostatic <input type="checkbox"/> Pneumatic <input type="checkbox"/> Normal Operating Pressure <input checked="" 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

R43 - S062792701

Sheet 2 of 2

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

The original bolting was not manufactured to ASME standards. They were manufactured to ASTM standards. It is acceptable to use ASME bolting of the same specification in ASTM applications.

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 Ran Jyl Maintenance Manager Date 5/19/07
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 NEW HAMPSHIRE and employed by HSB CT of HARTFORD, CT have inspected the components described in this Owner's Report during the period SEPT. 26, 2006 to MAY 31, 2007, 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

NH 734 AIN

National Board, State, Province, and Endorsements

Date

5/31/07

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 - 2070505701	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 May 1, 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/High Head Safety Injection System																																																																																											
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>N416-1</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 Spool Weld "B"</td> <td>ITT Grinnell</td> <td>JG19-64</td> <td>N/A</td> <td>FNP2-26</td> <td>1975</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> <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 Spool Weld "B"	ITT Grinnell	JG19-64	N/A	FNP2-26	1975	Replacement	Yes																																																																								
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7. Description of Work To facilitate removal and reinstallation of the 2A charging pump on work order 2070140201, weld "B" as shown on D515377 (reference # 34) was cut out prior to removal of the pump and re-welded after reinstallation of the pump. This weld was radiographed on work order 2070505703.																																																																																											
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

As required by the provisions of the ASME Code Section XI

RType : L1.52

Job Number

E21 - 2070505701

Sheet 2 of 2

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

Code case N416-1 was utilized to permit performance of an inservice pressure test at normal system pressure and temperature in lieu of a hydrostatic test at an elevated pressure.

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

Ran Zyl

Maintenance Manager

Date

5/19/07

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 NEW HAMPSHIRE and employed by HSB CT of HARTFORD, CT have inspected the components described in this Owner's Report during the period MARCH 12, 2007 to MAY 31, 2007, 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

NH 734 AIN

National Board, State, Province, and Endorsements

Date

5/31/07

FORM NPP-1 DATA REPORT FOR FABRICATED NUCLEAR PIPING Sheet 1 of 4
(As Required by the Provisions of the ASME Code Rules)

1. Fabricated by ITT Grinnell Industrial Piping, Inc. Order No. A-6140
(Name and Address of Fabricator) Kernersville, N.C.

2. Fabricated for Alabama Power Company, Birmingham, Ala. Order No. ENP-2-26
(Name and Address)

3. Owner Alabama Power Company 4. Location of Plant Columbia, Alabama

5. Piping System Identification CHEMICAL & Volume Control Sys. Aux. Bldg.
(Brief description of intended use, main coolant, etc.)

(a) Drawing No. 16-196-69 Prepared by ITT Grinnell Industrial Piping, Inc.

(b) National Board No. N/A

6. Design Conditions of Piping N/A psi N/A °F
(Pressure) (Temp.)

7. The material, design, construction, and workmanship complies with ASME Code Section III, Class N-2
Edition 1971 Addenda Date Summer 1971 Case No. N/A

Remarks: Manufacturers' Data Reports properly identified and signed by Commissioned Inspectors have been furnished for the following items of this report N/A
(Name of Part - Item number, Manufacturer's name, and identifying stamp)

Supplemental Sheets #2 --- Drawing
#3, #4 --- Bill(s) of Material

8. Shop Hydrostatic Test Field psi.

9. Description of piping inspected Piece Mark No. (2) E21-CCB-16-2
(Include - mark no. - material spec. - nom. pipe size - schedule or thickness - length
- fittings - flanges, etc.)
See Attached Sheets

CERTIFICATION OF DESIGN (WHEN APPLICABLE)

Design information on file at N/A

Stress analysis report on file at N/A

Design specifications certified by N/A (1) Prof. Eng. State N/A Reg. No. N/A

Stress analysis report certified by N/A (1) Prof. Eng. State N/A Reg. No. N/A

(1) signature not required, list name only.

We certify that the statements made in this report are correct and that this 2003000000 conforms to the rules of construction of the ASME Code Section III. ITT Grinnell

Date 3-3-75 Signed Industrial Piping, Inc. By Jessie H. [Signature]
Inc. MEMPHIS Fabricator
Certificate of Authorization Expires 5-3-76 Certificate of Authorization No. N-625

CERTIFICATE OF SHOP INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and/or the State or Province of Maryland and employed by * of Hartford, CT. have inspected the piping described in this Data Report on 3/4/75 and state that to the best of my knowledge and belief, the Manufacturer has constructed this piping in accordance with the applicable Subsections of ASME Code, Section III. The Hartford Steam Boiler Inspection and Insurance Company

By signing this certificate, neither the Inspector nor his employer make any warranty, expressed or implied, concerning the piping 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 March 4, 1975 Commissions Maryland-140 Q-2-A18.05 ENP 2-26

*Supplemental sheets in form of lists, sketches or drawings may be used provided (1) also in 8 1/2" x 11", (2) information in Items 1, 2 and 5 on this data report is included on each sheet, and (3) each sheet is numbered and number of sheets is recorded in Item 7, "Remarks".
Printed in U.S.A. (6/72) This form (E52) is obtainable from the ASME, 345 E. 47th St., New York, N.Y. 10017

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 - 2062006501	Sheet 1 of 2																																																																																
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7. Description of Work The valve stem and gate were separated on valve Q2P16V778. In order to repair the valve a new bonnet assembly was installed. Ref: Transaction # 95640																																																																																			
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 - 2062006501

Sheet 2 of 2

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

Bonnet serial numbers represent the serial numbers of the entire valves.

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 Ran Jgh Maintenance Manager Date 5/21/07
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 NEW HAMPSHIRE and employed by TSB CT of HARTFORD, CT have inspected the components described in this Owner's Report during the period DEC. 7, 2006 to MAY 30, 2007, 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 734 AIN

National Board, State, Province, and Endorsements

Date

5/31/07

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

1. Manufactured by Flowserve Corporation, 1900 S. Saunders St., Raleigh, NC 27603
(Name and Address of N Certificate Holder)

2. Manufactured for Alabama Power Company/PO Box 2641 Birmingham, AL 352910000
(Name and Address of Purchaser or Owner)

3. Location of Installation Alabama Power Company/Farley Nuclear Plant/7388 North State Hwy. 95, Columbia, AL 36319
(Name and Address)

4. Pump or Valve Valve Nominal Inlet Size 2" Outlet Size 2"
(inch) (inch)

	(a) Model No. Series No. or Type	(b) N Certificate Holder's Serial No.	(c) Canadian Registration No.	(d) Drawing No.	(e) Class	(f) Nat'l. Bd. No.	(g) Year Built
(1)	600#	35BAC✓	N/A	04-29184-01 Rev. 0	3	N/A	2004
(2)							
(3)							
(4)							
(5)							
(6)							
(7)							
(8)							
(9)							
(10)							

5. **2" SW12401 (F316) JT3**

(Brief description of service for which equipment was designed)

S.O. 29184

6. Design Conditions 895 psi 800 °F or Valve Pressure Class 600 (1)
(Pressure) (Temperature)

7. Cold Working Pressure 1440 psi at 100 °F.

8. Pressure Retaining Pieces _____

[illegible]

*Supplemental sheets in form of lists, sketches or drawings may be used provided (1) size is 8-1/2" x 11". (2) information in items 1, 2 and 5 on this Data Report is included on each sheet, and (3) each sheet is numbered and number of sheets is recorded at top of this form.

②

[illegible]


9. Hydrostatic test	2175	psi.	Disk Differential test pressure	1600	psi.
---------------------	------	------	---------------------------------	------	------

CERTIFICATE OF COMPLIANCE

We certify that the statements made in this report are correct and that this pump, or valve, conforms of the ASME Code for Nuclear Power Plant Components. Section III, Div. 1,

to the rules of construction
1974

Addenda Summer 1975 , Code Case No. N/A , Date 12-20-04

Signed Flowserve by 
(N Certificate Holder)

Our ASME Certificate of Authorization No. N-1562 to use the N symbol expires 11-26-06
(N) (Date)

CERTIFICATION OF DESIGN

Design information on file at **Flowserve Corporation Raleigh, NC**

Stress analysis report (Class 1 only) on file at **Flowserve Corporation Raleigh, NC**

Design specifications certified by (1) An Nguyen

PE State	AL	Reg. No.	15301
----------	----	----------	-------

Stress analysis certified by (1)

PE State _____ Reg. No. _____

(1) Signature not required. List name only.

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 N.C. and employed by HSB CT of Hartford Connecticut

have inspected the pump, or valve, described in this Data Report on 12/20/04, and state that, to the best of my knowledge and belief, the N Certificate Holder has constructed this pump, or valve, in accordance with ASME Code, Section III.

By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the equipment described in this s 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 12/20/04

Signed 1/2 M. Galt Commissions NC 1421
(Inspector) (Nat'l Bd. State, Prov. and No.)

(Nat'l Bd. State, Prov. and No.)

③

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 - 2070902501	Sheet 1 of 2																																																																																
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7. Description of Work Relief valve Q2P16V0208B was leaking by approximately 10 drops per minute. The valve was replaced with a new valve. The replacement valve design was approved by C051731401. Ref: Transaction # 113303																																																																																			
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 - 2070902501

Sheet 2 of 2

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

Certificate of Compliance

We certify that the statements made in the report are correct and 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 Ran Igen Maintenance Manager Date 5/19/07
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 NEW HAMPSHIRE and employed by HSB CT of HARTFORD, CT have inspected the components described

in this Owner's Report during the period APRIL 16, 2007 to MAY 30, 2007, 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

NH 734 AIN

National Board, State, Province, and Endorsements

Date

5/31/07

REPLACEMENT

Q.C.-44C-1
Sheet 1 of 2

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. N99904-00-0001 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-NGUC</u> <u>N96444-71-0420</u>	<u>ASME SA479 TYPE 316</u>
Spring Washers	<u>N96444-72-0425</u>	<u>ASME SA193 GR. B6</u>
Adjusting Bolt	<u>N96388-68-0308</u>	<u>ASME SA193 GR. B6</u>
Spindle	<u>N96386-67-0223</u>	<u>ASME SA193 GR. B6</u>

Form NV-1 (Back)

Certificate Holder's Serial No. N99904-00-0001Q.C.-44C-1
Sheet 2 of 2

	Serial No. Identification	Material Specification Including Type or Grade
c. Spring	<u>NX5484-0083</u>	<u>ASTM A313 TYPE 316</u>
d. Bolting	<u>---</u>	<u>---</u>
e. Other Parts such as Pilot Components		
Base	<u>N99913-33-0006</u>	<u>ASME SA479 TYPE 316</u>
Lap Joint Stub End	<u>N99865-33-0006</u>	<u>ASME SA182 GR. F316</u>
Lap Joint Flange	<u>N96442-43-0029</u>	<u>ASME SA182 GR. F316</u>
Cylinder	<u>N99914-34-0008</u>	<u>ASME SA351 GR. CF8M</u>
Weld Neck Flange	<u>N99866-33-0007</u>	<u>ASME SA182 GR. F316</u>

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

Date 22-DEC 2005 Signed Anderson Greenwood Crosby By D. E. Tuck
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
[Signature] Commissions MA-1420 A, N, I
 (Inspector) (National Board, State, Province and No.)

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 P16 - 2041669503	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 May 29, 2006																																																																																	
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 <div style="text-align: center;">Service Water System</div>																																																																																			
5. (a) Applicable Construction Code: <u>ASME Section III,</u> 19 <u>68</u> Edition <u>Winter 1970</u> Addenda, <u> </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																																																																																			
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Disc	Darling Valve	E-5314-14-5	N/A	FNP2-18	1973	Repaired	Yes																																																																												
7. Description of Work During a routine inspection of Q2P16V0556, severe corrosion was noted on the disc post. A weld repair was performed to re-establish the post on the disc.																																																																																			
8. Test Conducted <input type="checkbox"/> Hydrostatic <input type="checkbox"/> Pneumatic <input type="checkbox"/> Normal Operating Pressure <input checked="" 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 - 2041669503

Sheet 2 of 2

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

Disc Heat Number - 211419

Disc Serial Number - 7

Certificate of Compliance

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

Type Code Symbol Stamp _____ N/A

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

Signed _____ Date 5/21/07
Owner or Owner's Designee Title Maintenance Manager

Certificate of Inservice Inspection

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of NEW HAMPSHIRE and employed by HEB CT of HARTFORD, CT have inspected the components described in this Owner's Report during the period MAY 23, 2006 to MAY 30, 2007 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.


Inspector's Signature

Commissions

NH 734 AIN

National Board, State, Province, and Endorsements

Date

5/30/07

FORM NIP-1 MANUFACTURERS' DATA REPORT FOR NUCLEAR PUMPS OR VALVES

As Required by the Provisions of the ASME Code Rules

1. Manufactured by Darling Valve & Manufacturing Co.
701 First St., Williamsport, Pa. 17701 Order No. E-5314
(Name & Address of Manufacturer)

2. Manufactured for Alabama Power Company
Birmingham, Alabama Order No. FNP2-18
(Name and Address)

3. Owner Joseph M. Farley Nuclear Plant Unit 2

4. Location of Plant Dothan, Alabama

5. ~~Design~~ Valve Identification E-5314-14-5 T.P. No. Q2P16V556

20" - 150# Check Valve

(Brief description of service for which equipment was designed)

Service Water Piping System - Service Water Pump Discharge

(a) Drawing No. 93-13395 Rev. B Prepared by L. Zay

(b) National Board No. N/A

6. Design Conditions 150 psi 500 °F
(Pressure) (Temperature)

7. The material, design, construction, and workmanship complies with ASME Code Section III, Class 3

Edition 1968, Addenda Date Winter 1970, Code No. _____

Mark No.	Material Spec. No.	Manufacturer	Remarks
(a) Castings			
<u>Body Heat F1297</u>	<u>SA-216-WCB</u>	<u>Quaker Alloy</u>	
<u>Serial 4</u>			
(b) Forgings			
<u>Disc Heat 211419</u>	<u>SA-105-2</u>	<u>Cann & Saul Steel</u>	
<u>Serial 7</u>			

W.W. Sample
Bechtel
5-10-73

Q2A 18.05
Q-2-A18.05 FNP 2-18

FORM NPV-1 (back)

Mark No.	Material Spec. No.	Manufacturer	Remarks
(c) Bolting			
Body-Bonnet Studs	SA-193-B7	REC Corporation	
Heat 3301465			
Body-Bonnet Nuts	SA-194-7	Jos. Dyson & Sons, Inc.	
Heat 123H398			
(d) Other Parts			
(Plate) Bonnet	SA-515-70	Bethlehem Steel	
Heat 432J4471			
Serial 5			

H₂ Hydraulic test 150 psi

CERTIFICATION OF DESIGN

Design information on file at Alabama Power Co., Birmingham, Alabama
 Stress analysis report on file at N/A Class 3
 Design specifications certified by Sabin Crocker, Jr. (1) Prof'ing. State Conn. Reg. No. 7503
 Stress analysis report certified by N/A Class 3 (1) Prof'ing. State Reg. No.
 (1) Signature not required. List name only.

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

Date May 7 19 73 Signed Darling Valve & Mfg. Co., Inc. R. L. Stanner
 (Manufacturer) R. L. Stanner
 Certificate of Authorization No. N259 expires 3/9/74

CERTIFICATE OF SHOP INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and/or the State or Province of Pennsylvania and employed by Commercial Union Insurance Co. of Boston, Mass. have inspected the equipment described in this Data Report on May 7 19 73 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 Code, 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 May 7 19 73

Russell E. Montgomery Commission Pennsylvania WC972
 Russell E. Montgomery (National Board, State, Province and No.)

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 P12 - 2041167001	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 June 9, 2006																																																																																	
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7. Description of Work The back pull out assembly of Q2P12P001B was replaced as a part of a regularly scheduled PM. The replacement back pull out assembly was previously refurbished on WO 2052961701. Ref: Transaction # 94088																																																																																			
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

P12 - 2041167001

Sheet 2 of 2

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

Certificate of Compliance

We certify that the statements made in the report are correct and 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 J. [Signature] Maintenance Manager Date 5/21/07
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 NEW HAMPSHIRE and employed by HSB CT of HARTFORD, CT have inspected the components described in this Owner's Report during the period MAY 25, 2006 to MAY 30, 2007, 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

NH 734 AIN

National Board, State, Province, and Endorsements

Date

5/30/07

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 - 2070419701	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 March 8, 2007																																																																																	
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7. Description of Work 2D Service Water Pump Vent line (Q2P16HBC200-E5579) had a pin hole leak due to corrosion. A new piping assembly was fabricated (including valve Q2P16V588) and installed. Ref: Transaction # 107417																																																																																			
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 - 2070419701

Sheet 2 of 2

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

SS1109-2 approved piping and fitting materials and code years.

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 Ra Zyl Maintenance Manager Date 5/21/07
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 NEW HAMPSHIRE and employed by HSB CT of HARTFORD, CT have inspected the components described in this Owner's Report during the period MARCH 3, 2007 to MAY 30, 2007, 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 NH 734 A-IN
National Board, State, Province, and Endorsements

Date 5/30/07

NEW VALVE

FORM NPV-1 N CERTIFICATE HOLDERS' DATA REPORT FOR NUCLEAR PUMPS OR VALVES*
As Required by the Provisions of the ASME Code, Section III, Div. 1

Pg. 1 of 2

1. Manufactured by Flowserve Corporation, 1900 S. Saunders St., Raleigh, NC 27603
(Name and Address of N Certificate Holder)

2. Manufactured for Alabama Power Company PO Box 2641 Birmingham, AL 25291
(Name and Address of Purchaser or Owner)

3. Location of Installation Farley Nuclear Plant 7388 N. State Highway 95, Columbia, AL 36319
(Name and Address)

4. Pump or Valve Valve Nominal Inlet Size 2" Outlet Size 2"
(inch) (inch)

	(a) Model No. Series No. or Type	(b) N Certificate Holder's Serial No.	(c) Canadian Registration No.	(d) Drawing No.	(e) Class	(f) Nat'l. Bd. No.	(g) Year Built
(1)	600#	09AYS	N/A	AL-D-9910X02-(3) R/H	3	N/A	2004
(2)	600#	10AYS	N/A	AL-D-9910X02-(3) R/H	3	N/A	2004
(3)							
(4)							
(5)							
(6)							
(7)							
(8)							
(9)							
(10)							

5. **2" 600# Y-Globe Valve**

(Brief description of service for which equipment was designed)

26197

6. Design Conditions 1250 psi 500 °F or Valve Pressure Class 600 (1)
(Pressure) (Temperature)

7. Cold Working Pressure 1440 psi at 100 °F.

8. Pressure Retaining Pieces

Mark No.	Material Spec. No.	Manufacturer	Remarks
(a) Castings			
(b) Forgings			
FS8	SA 105	Flowserve	Body
H868	SA-479 type 316	Nova	Bonnet
719973	SA-479 type 316	Flowserve	Bonnet
725567	SA-479 type 316	Flowserve	Disc
H604	SA105	Nova	Yoke

(1) For manually operated valves only

*Supplemental sheets in form of lists, sketches or drawings may be used provided (1) size is 8-1/2" x 11", (2) information in items 1, 2 and 5 on this Data Report is included on each sheet, and (3) each sheet is numbered and number of sheets is recorded at top of this form.

2

Valve S/N 09AYS through 10AYS[illegible]

9. Hydrostatic test 2175 psi. Disk Differential test pressure 1585 psi.

CERTIFICATE OF COMPLIANCE

We certify that the statements made in this report are correct and that this pump, or valve, conforms to the rules of construction

of the ASME Code for Nuclear Power Plant Components. Section III, Div. 1., Edition

Addenda	Winter 1972	Code Case
---------	-------------	--------------

Signed Flowserve by J. A. Kes
(N Certificate Holder)

Our ASME Certificate of Authorization No. N-1563 to use the N symbol expires 11-26-06
(N) (Date)

CERTIFICATION OF DESIGN

Design information on file at Flowserve Corporation Raleigh, NC

Stress analysis report (Class 1 only) on file at

Design specifications certified by (1) A. Nguyen

PE State	AL	Reg. No.	15301
----------	----	----------	-------

Stress analysis certified by (1)

PE State _____ Reg. No. _____

(1) Signature not required. List name only.

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 **North Carolina** and employed by **HSB CT** of **Hartford Connecticut**

have inspected the pump, or valve, described in this Data Report on 4 / 22 / 04, and state that, to the best of my knowledge and belief, the N Certificate Holder has constructed this pump, or valve, in accordance with ASME Code, Section III.

By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the equipment described in this s 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 122104

Signed J. L. M. Tull Commissions NC1421
(Inspector) (Natl. Bd., State, Prov. and No.)

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 N21 - 2052899401	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 May 7, 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 <hr/> Authorization Number N/A <hr/> Expiration Date N/A																																																																																									
4. Identification of System Condensate And Feed Water System																																																																																											
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7. Description of Work Excessive weld grinding during construction on the weld between the 14"x14"x10" reducing Tee and the 10"x8" reducer has resulted in a weld crown being below the surface of the adjoining base metal. Post-repair PT, UT, and RT verified proper wall thicknesses and sound weld. Ref: U213409, D515491																																																																																											
8. Test Conducted <input type="checkbox"/> Hydrostatic <input type="checkbox"/> Pneumatic <input type="checkbox"/> Normal Operating Pressure <input checked="" 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

N21 - 2052899401

Sheet 2 of 2

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

Certificate of Compliance

We certify that the statements made in the report are correct and 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 Zeh Maintenance Manager Date 5/23/07
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 NEW HAMPSHIRE and employed by HSB CT of HARTFORD, CT have inspected the components described in this Owner's Report during the period APRIL 16, 2007 to MAY 30, 2007, 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 NH 734 AIN
National Board, State, Province, and Endorsements

Date 5/30/07

FORM NPP-1 DATA REPORT FOR FABRICATED NUCLEAR PIPING Sheet 1 of 4
(As Required by the Provisions of the ASME Code Rules)

1. Fabricated by ITT Grinnell Industrial Piping, Inc. Order No. A-0140
(Name and Address of Fabricator) Kernersville, N.C.

2. Fabricated for Alabama Power Company, Birmingham, Ala. Order No. FNP-2-26
(Name and Address)

3. Owner Alabama Power Company 4. Location of Plant Columbia, Alabama

5. Piping System Identification Condenser Piping
(Brief description of intended use, main coolant etc.)

(a) Drawing No. JG-186028 Prepared by ITT Grinnell Industrial Piping, Inc.

(b) National Board No. N/A

6. Design Conditions of Piping N/A psi N/A °F
(Pressure) (Temp.)

7. The material, design, construction, and workmanship complies with ASME Code Section III, Class N-2
Edition 1971 Addenda Date Summer 1971 Case No. N/A

Remarks: Manufacturers' Data Reports properly identified and signed by Commissioned Inspectors have been furnished for the following items of this report N/A
(Name of Part - Item number, Manufacturer's name, and identifying stamp)

Supplemental Sheets 3 Drawing 3/4 Bill(s) of Material

8. Shop Hydrostatic Test Field psi

9. Description of piping inspected Place Mark No. (2) N-2-066-1-10
(include - mark no. - material spec. - nom. pipe size - schedule or thickness - length)
See Attached Sheets
(fittings - flanges, etc.)

CERTIFICATION OF DESIGN (WHEN APPLICABLE)

Design information on file at N/A

Stress analysis report on file at N/A

Design specifications certified by N/A (1) Prof. Eng. State N/A Reg. No. N/A

Stress analysis report certified by N/A (1) Prof. Eng. State N/A Reg. No. N/A

(1) signature not required, list name only.

We certify that the statements made in this report are correct and that this Fabrication conforms to the rules of construction of the ASME Code Section III. ITT Grinnell

Date 2-5-75 Signed Industrial Piping, Inc. By James H. O'Connell

Certificate of Authorization Expires 5-3-76 Fabricator ITT Grinnell Industrial Piping, Inc. Certificate of Authorization No. N-625

CERTIFICATE OF SHOP INSPECTION

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

have inspected the piping described in this Data Report on 2/10/75, and state that to the best of my knowledge and belief, the Manufacturer has constructed this piping in accordance with the applicable Subsections of ASME Code, Section III. The Hartford Steam Boiler Inspection and Insurance Company

By signing this certificate, neither the Inspector nor his employer make any warranty, expressed or implied, concerning the piping 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 Feb. 10, 1975 (Inspector) James H. O'Connell Commission Maryland-140 National Board, State, Province and No.

* Supplemental sheets in form of lists, sketches or drawings may be used provided (1) size is 8 1/2" x 11", (2) information in items 1, 2 and 5 on this data report is included on each sheet, and (3) each sheet is numbered and number of sheets is recorded in item 7, "Remarks".

RECEIVED
MAR 10 1975
QCDS

0507400563

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 - 2061229101	Sheet 1 of 2																																																																																
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7. Description of Work A through wall leak developed in Q2P16HBC204-11 due to erosion at an elbow. This piping spool was replaced with a new piping spool. Ref: Transaction # 92428, 92403																																																																																			
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 - 2061229101

Sheet 2 of 2

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

Original parts were stamped as a part of piping spool JG-4(J)-753 (Q2P16HBC204-11)

Code case N416-1 was utilized to permit performance of an inservice pressure test at normal system pressure and temperature in lieu of a hydrostatic test at an elevated pressure.

Certificate of Compliance

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

Type Code Symbol Stamp N/A

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

Signed

Ran

J. L.

Maintenance Manager

Date

5/23/07

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 NEW HAMPSHIRE and employed by HSB CT of HARTFORD, CT have inspected the components described in this Owner's Report during the period MAY, 2006 to MAY 30, 2007, 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

NH 734 AIN

National Board, State, Province, and Endorsements

Date

5/30/07

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

RType : L1.52

As required by the provisions of the ASME Code Section XI

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Valve	Kerotest	CS6-9	N/A	FNP2-55	1975	Replaced	Yes																																																																												
Pipe	Daniel Construction	Q2P16HBC201	N/A	N/A	1979	Replaced	Yes																																																																												
Elbow	Daniel Construction	Q2P16HBC201	N/A	N/A	1979	Replaced	Yes																																																																												
Valve	Flowserve	51BAA	N/A	QP040348	2004	Replacement	Yes																																																																												
Pipe	USS Tubular	N86918	N/A	QP020509	1994	Replacement	No																																																																												
Elbow	Bonney Forge	76259	N/A	QP060186	2005	Replacement	No																																																																												
7. Description of Work During inspection of Valve Box 1, Vacuum breaker Q2P16V602 was found to have seat leakage. The valve cover could not be removed for disc replacement, so the entire valve was replaced. As a convenience, the entire line down stream of the "T" was replaced. The PR on SS10886 was removed/installed by welding to facilitate valve replacement. Ref: Transaction # 57868, 85475																																																																																			
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 - M300341101

Sheet 2 of 2

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

Code case N416-1 was utilized to permit performance of an inservice pressure test at normal system pressure and temperature in lieu of a hydrostatic test at an elevated pressure.

Certificate of Compliance

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

Type Code Symbol Stamp N/A

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

Signed Ren Maintenance Manager Date 5/23/07
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 NEW HAMPSHIRE and employed by HSSB CT of HARTFORD, CT have inspected the components described in this Owner's Report during the period FEB. 27, 2006 to MAY 30, 2007, 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 734 AIN
National Board, State, Province, and Endorsements

Date

5/30/07

FORM NPV-1 N CERTIFICATE HOLDERS' DATA REPORT FOR NUCLEAR PUMPS OR VALVES*
As Required by the Provisions of the ASME Code, Section III, Div. 1

Pg. 1 of 1

1. Manufactured by Flowserve Corporation, 1900 S. Saunders St., Raleigh, NC 27603
(Name and Address of N Certificate Holder)

2. Manufactured for ALABAMA POWER COMPANY, P.O. 1295, BIRMINGHAM AL 35201
(Name and Address of Purchaser or Owner)

3. Location of Installation ALABAMA POWER CO., FARLEY PLANT, COLUMBIA, AL 36319
(Name and Address)

4. Pump or Valve Valve Nominal Inlet Size 2" Outlet Size 2"
(inch) (inch)

	(a) Model No. Series No. or Type	(b) N Certificate Holder's Serial No.	(c) Canadian Registration No.	(d) Drawing No.	(e) Class	(f) Nat'l. Bd. No.	(g) Year Built
(1)	600-YP	49BAA	N/A	AL-D-9912X01(2)/ E	2	N/A	2004
(2)	600-YP	50BAA	N/A	AL-D-9912X01(2)/ E	2	N/A	2004
(3)	600-YP	51BAA	N/A	AL-D-9912X01(2)/ E	2	N/A	2004
(4)							
(5)							
(6)							
(7)							
(8)							
(9)							
(10)							

NEW VALVE

5. **2" Y-TYPE CHECK VALVE**

(Brief description of service for which equipment was designed)

* PARTS MADE FROM SA105 MATERIAL CAN BE SECTION II MATERIAL TO ANY EDITION 29493
THROUGH THE 1995 ADDENDA

6. Design Conditions 1250 psi 500 °F or Valve Pressure Class 600 (1)
(Pressure) (Temperature)

7. Cold Working Pressure 1440 psi at 100 °F.

8. Pressure Retaining Pieces

Mark No.	Material Spec. No.	Manufacturer	Remarks
(a) Castings			
(b) Forgings			
79933	SA 105	Larson	BODY
8976327	SA 105	Colonial Machine	COVER
ZDH	SA479-316	Mid-South	DISC

(1) For manually operated valves only

*Supplemental sheets in form of lists, sketches or drawings may be used provided (1) size is 8-1/2" x 11", (2) information in items 1, 2 and 5 on this Data Report is included on each sheet, and (3) each sheet is numbered and number of sheets is recorded at top of this form.

2

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 - 2063312701	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 January 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 Service Water System																																																																																			
5. (a) Applicable Construction Code: <u>ASME Section III,</u> 19 <u>71</u> Edition <u>Winter 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																																																																																			
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7. Description of Work During the performance of a VT-2 on the 2E Service Water Pump, a 2 drop per minute leak was observed on the expansion joint (Q2P16F0502E) at the flange to bellows welded connection. The expansion joint was replaced with a new expansion joint. Ref: Transaction # 104540																																																																																			
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 - 2063312701

Sheet 2 of 2

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

Certificate of Compliance

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

Maintenance Manager

Date

5/21/07

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 NEW HAMPSHIRE and employed by HESB CT of HARTFORD, CT have inspected the components described in this Owner's Report during the period JAN. 18, 2007 to MAY 29, 2007, 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

NH 734 AINI

National Board, State, Province, and Endorsements

Date

5/29/07

**FORM NPP-1 CERTIFICATE HOLDERS' DATA REPORT FOR FABRICATED
NUCLEAR PIPING SUBASSEMBLIES***

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

Pg. 1 of 1

Job Number: N407 Sales Order Number: J17230 Tough Group P.O. No.: OP020260/004 Item Number: 001

1. Fabricated and certified by Senior Flexonics Pathway Division, 2400 Longhorn Industrial Drive, New Braunfels, Texas 78130
(name and address of NPT Certificate Holder)
2. Fabricated for Southern Nuclear Operating Company/Alabama Power, PO Box 1295, Birmingham, AL 35201
(name and address)
3. Location of installation Farley Nuclear Plant, 7388 N. State Highway 95, Columbia, AL 36319
(name and address of Purchaser)
4. Type J17230-1-1 N/A D-57916 Rev. 2 N/A 2004
(Cert. Holder's serial no.) CRN (drawing no.) (Nat'l Bd. No.) (year built)
5. ASME Code, Section III, Division 1: 1980 Summer 1982 3 N-369
(edition) (addenda date) (class) (Code Case no.)
6. Shop Hydrostatic test 225 psi at Ambient ° F (if performed)
7. Description of piping 18" Tied Expansion Joint Assembly
8. Certificate Holder's Data Reports properly identified and signed by commissioned inspectors have been furnished for the following items of this report: None

9. Remarks: Materials

Drawing P/N	Description	Specification	Mat'l Traceability Code Number (MTCN)
<u>1A,1B</u>	<u>Bellows</u>	<u>SA-240 Type 321</u>	<u>TCH073</u>
<u>3,4</u>	<u>Flange</u>	<u>SA-105</u>	<u>TCJ972</u>
<u>5,6</u>	<u>Ear</u>	<u>SA-516 Grade 70</u>	<u>TCJ427</u>
<u>8</u>	<u>Tie Rod</u>	<u>SA-193 Grade B7</u>	<u>TCJ872</u>
<u>10</u>	<u>Nut</u>	<u>SA-194 Grade 2H</u>	<u>TCJ873</u>

Verification of design performed in accordance with ND-3649.4(e)(1)

CERTIFICATE OF SHOP COMPLIANCE

We certify that the statements made in this report are correct and that the fabrication of the described piping subassembly conforms to the rules for construction of the ASME Code, Section III, Division 1.

NPT Certificate of Authorization No. N-2778 Expires April 16, 2005
Date 4/19/04 Name Senior Flexonics Pathway Signed [Signature]
(NPT Certificate Holder) (authorized representative)

CERTIFICATE OF SHOP INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Texas and employed by One Beacon America Insurance Company of Boston, MA have inspected the piping subassembly described in this Data Report on 4-19-04 and state to the best of my knowledge and belief, the Certificate Holder has fabricated this piping subassembly 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 piping subassembly 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 4-19-04 Signed [Signature] Commissions TX 1083
(Authorized Nuclear Inspector) [Nat'l Bd. (incl. endorsements) state or prov. and no.]

*Supplemental information in form of lists, sketches, or drawings may be used provided (1) size 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.

This form (E00062) may be obtained from the Order Dept., ASME, 22 Law Drive, Box 2300, Fairfield, NJ 07007-2300

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 - 2063344002	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 April 8, 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 <div style="text-align: center;">Service Water System</div>																																																																																											
5. (a) Applicable Construction Code: <u>See Note 1,</u> 19 <u> </u> Edition <u> </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																																																																																											
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Support	FNP	SS10882	N/A	7071	1981	Replacement	No																																																																																				
7. Description of Work This support was reconfigured under MDC 2063344001 to facilitate replacement of the 2E Service Water Expansion Joint. Ref: Transaction # 103416, 104125, 103505																																																																																											
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> </u> PSI Temperature <u> </u> °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 - 2063344002

Sheet 2 of 2

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

Note 1: Support was designed to AISC-1969 and welded to AWS D1.1-86.

The following new materials were used to facilitate the reconfiguration:

Angle Iron - Heat # JE4450, PO # QP051010

Pipe Restraint - Heat # AB, PO # QP2306

Hilti Bolts - Part # 45379, PO # QP040687

Plate - Heat # A6U2456-04, PO # QP061037

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 _____ Maintenance Manager Date 5/22/07
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 NEW HAMPSHIRE and employed by HEB CT of HARTFORD, CT have inspected the components described in this Owner's Report during the period DEC. 19, 2006 to MAY 24, 2007, 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

NH 734 AIN

National Board, State, Province, and Endorsements

Date

5/24/07