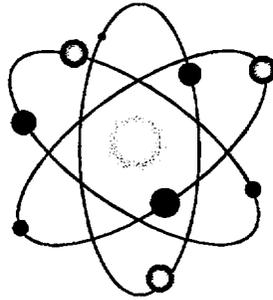




Harris Nuclear Power Plant



ISI SUMMARY REPORT

RFO9

2-1-09



Carolina Power & Light Company
PO Box 165
New Hill NC 27562

James Scarola
Vice President
Harris Nuclear Plant

SERIAL: HNP-00-122
10CFR50.55a

OCT 18 2000

United States Nuclear Regulatory Commission
ATTENTION: Document Control Desk
Washington, DC 20555

SHEARON HARRIS NUCLEAR POWER PLANT
DOCKET NO. 50-400/LICENSE NO. NPF-63
INSERVICE INSPECTION SUMMARY REPORT

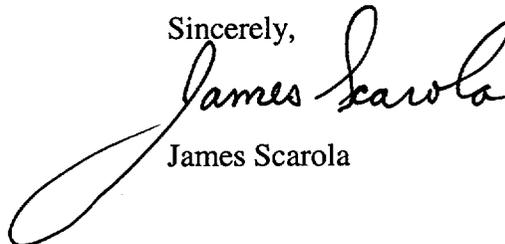
Dear Sir or Madam:

In accordance with the reporting requirements of the ASME Boiler and Pressure Vessel Code, 1989 edition, Section XI, Article IWA-6220(c), this letter submits the Inservice Inspection Summary Report for Carolina Power and Light Company's Harris Nuclear Plant (HNP). The enclosed report covers the inspections performed at HNP during Cycle 9 operations, including the Refueling Outage No. 9, in the second 10-year inservice inspection interval.

The NRC has approved Relief Request 2RG-004, which allows submittal of the ISI Summary Report at the end of the period rather than after each refueling outage. Our first inspection period includes RFO-08 and RFO-09. This Relief Request was approved during middle of the first inspection period, and after the submittal of ISI Summary Report for RFO-8. Due to the timing of the approval, ISI Summary Report for RFO-09 is submitted without invoking 2RG-004. HNP will invoke 2RG-004 for subsequent periods.

Questions regarding this matter may be referred to Mr. E. A. McCartney at (919) 362-2661.

Sincerely,



James Scarola

MSE/mse

Enclosure

A047

c: Mr. J. B. Brady, NRC Sr. Resident Inspector
Mr. J. M. Givens, Jr. North Carolina Department of Labor
Mr. R. J. Laufer, NRC Project Manager
Mr. L. A. Reyes, NRC Regional Administrator

bc: Mr. R. H. Bazemore
Mr. W. F. Conway
Mr. G. W. Davis
Mr. R. J. Duncan II
Mr. K. N. Harris
Ms. L. N. Hartz
Mr. C. S. Hinnant
Mr. Brett Kruse
Ms. Terry Hardy
Mr. R. D. Martin
Mr. J. M. Taylor
Mr. Mark Pope
Mr. W. G. Wendland
Licensing File(s) (2 copies)
Nuclear Records

INSERVICE INSPECTION SUMMARY

9th Refueling Outage

Completed 05/12/00

**Carolina Power and Light Company
P.O. Box 1551
Raleigh, North Carolina 27602**

**Shearon Harris Nuclear Power Plant - Unit 1
5413 Shearon Harris Road
New Hill, North Carolina 27562**

Commercial Operation May 2, 1987

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SECTION 1

SUMMARY

Summary

The Harris Nuclear Power Plant, Unit 1, Ten Year Inservice Inspection Plan was developed to 10CFR50.55 a (g) which implemented, by reference, the ASME Boiler and Pressure Vessel Code, Section XI, 1989 Edition with no Addenda.

The following Summary Report is being submitted pursuant to the reporting requirements of Section XI, Article IWA-6220 (c).

This Summary Report contains the results examinations performed on selected Class 1 and 2 piping, components and their supports at Harris Nuclear Plant from 11/29/98 to 5/12/00. The RFO9 examinations were performed during the first period in the second inspection interval. The typical designation for this duration is 2-1-09, (Second Interval, First Period, Ninth Refueling Outage).

The components selected for weld examination were from the Second Interval Ten Year Inservice Inspection Plan. The components selected for examination consisted of piping welds, vessel welds, component welds, component supports and integral attachments. Nondestructive examinations were performed using Magnetic Particle (MT), Liquid Penetrant (PT), Ultrasonic (UT), and Visual (VT) methods. Performance Demonstration Initiative (PDI) ultrasonic techniques were utilized where practicable. No rejectable indications were noted. Indications identified during examinations were evaluated and documented as applicable on each weld examination data report. Code Case N-460 was invoked where components achieved greater than 90%, but less than 100% code coverage.

Personnel performing the ISI examinations used CP&L isometrics in conjunction with tagged valves, component supports, points of connection, vessel and wall/floor penetrations and floor elevations to locate and identify components subject to examination. Permanent component identification reference points were established and marked on the component in accordance with ASME Section XI, Article III-4000 during PSI. The NDE examination reports, personnel certifications, examination equipment, procedures, calibration standards and the ISI isometrics are listed in the Post Outage Examination Results Report. The Post Outage Examination Results Report is available upon request.

The Harris Steam Generator tubes were Eddy Current inspected by ABB/CE during RFO9. The following is the scope of the tube inspections:

- 1) 100% of all tubes with bobbin coil eddy current testing
- 2) 100% of all tubes with Plus Point rotating coil (RC) eddy current testing at the hot leg top-of-tube sheet
- 3) A sample of hot leg and cold leg dents with plus point RC; manufacturing buff marks and other benign indications from bobbin probe exams with Plus Point

- 4) 100% of the Rows 1 and 2 U-bend region with Plus Point
- 5) A 20% sample of the pre-heater expanded tubes in SG "C" with Plus Point

Class 1 and 2 Pressure Tests were performed during RFO-9 in accordance with ASME Section XI, IWB-5000 and IWC-5000.

Code Case N-416-1 was invoked to allow use of a System Leakage Test in lieu of a system hydrostatic test for replaced piping components. Code Case N-533 was invoked to allow insulation removal at bolted connections while the system was not at operating pressure. Code Case N-522 was invoked to allow use of Appendix J Testing in lieu of ASME Pressure Tests for selected penetration piping. Code Case N-566 as modified by Relief Request 2RG-009 was invoked to allow evaluation of leakage at bolted connections in lieu of removing one bolt.

All points of leakage were identified and corrective measures were taken to achieve an acceptable condition in each case. The Pressure Test records and supporting documentation are on file at the site and can be made available for review if requested.

SECTION 2

NIS-1 FORM

REPORT OF INSERVICE INSPECTIONS

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

1. Owner Carolina Power & Light Company, P.O. Box 1551, Raleigh, N.C. 27602
 (Name and Address of Owner)
2. Plant Harris Nuclear Plant, 5413 Shearon Harris Rd., New Hill, N.C. 27562
 (Name and Address of Plant)
3. Plant Unit One (1) 4. Owner Certificate of Authorization (if required) N/A
5. Commercial Service Date 5/2/87 6. National Board Number for Unit 65
7. Systems/Components Inspected (See Systems listed below and Sections 3, 4, 5 & 6)

Component or Appurtenance	Manufacturer or Installer	Manufacturer or Installer Serial No.	State or Province No.	National Board No.
Reactor Vessel	Chicago Bridge & Iron	T40	NC21241	4
Auxiliary Feedwater	CP&L	AF	N/A	49
Blowdown	CP&L	BD	N/A	44
Chemical & Volume Control	CP&L	CS	N/A	48
Containment Spray	CP&L	CT	N/A	63
Feedwater	CP&L	FW	N/A	54
Main Steam	CP&L	MS	N/A	59
Reactor Coolant	CP&L	RC	N/A	55
Residual Heat Removal	CP&L	RHR	N/A	38
Steam Generator - A	Westinghouse	1631	NC20304	W11304
Steam Generator - B	Westinghouse	1632	NC20304	W11309
Steam Generator - C	Westinghouse	1633	NC20304	W11307
Pressurizer	Westinghouse	1641	NC21240	W11306
Safety Injection	CP&L	SI	N/A	46
RHR Heat Exchanger - 1A-SA	Joseph Oat Corp	2168-1B7	NC20302	740
Service Water	CP&L	SW	N/A	64
Component Cooling Water	CP&L	CCW	N/A	51
Penetration Pressurization	CP&L	PP	N/A	47
Nuclear Sampling	CP&L	SP	N/A	45

FORM NIS-1 (Back)

8. Examination Dates 11/28/98 to 5/12/00

9. Inspection Period Identification: First period

10. Inspection Interval Identification: Second Interval

11. Applicable Edition of Section XI: 1989 Edition no Addenda

12. Date/Revision of Inspection Plan: 01/26/98 Revision 0

13. Abstract of Examinations and tests. Include a list of examinations and tests and a statement concerning status of work required for Inspection Plan. (See Sections 3, 4, 5 & 6)

14. Abstract of Results of Examinations and Tests. (See Sections 3, 4, 5 & 6)

15. Abstract of Corrective Measures. (See Sections 3, 4, 5, 6 & 7)

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 7/27/00 2000 Signed CP&L By [Signature]

Certificate of Inservice Inspection

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 HSBI & I Co. of Hartford, CT. have inspected the components described in this Owner's Report during the period 11/28/98 to 5/12/00, and state that to the best of my knowledge and belief, the Owner has performed examinations and tests and taken corrective measures described in this Owner's Report in accordance with the Inspection Plan and as required by the ASME Code, Section XI.

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

[Signature] Commissions NB9291 ABNI NC1444
Inspector's Signature National Board, State, Province, and Endorsements

Date 7-28- 2000

SECTION 3

WELD EXAMINATION RESULTS

Completion Percentages for the First Inspection Period of the Second Interval

Category	No. Scheduled	No. Complete	% Interval Complete	Period % Requirement
B-A	1	1	5	5 (deferral permitted)
B-B	2	2	50	50
B-D	12	12	40	25 - 50
B-F	6	6	33	16 - 34
B-G-1	57	57	24	16 - 34
B-G-2	67	67	18	16 - 34
B-H	4	4	30	16 - 34
B-J	44	44	29	16 - 34
B-N-1	1	1	33	16 - 34
C-B	4	4	27	16 - 34
C-C	9	9	26	16 - 34
C-F-1	53	55	33	16 - 34
C-F-2	37	34	26	16 - 34

RFO 9 ISI EXAMINATION RESULTS

<i>Component ID</i>	<i>Category</i>	<i>Item No.</i>	<i>Exam Req.</i>	<i>Exam Type</i>	<i>Exam Date</i>	<i>Results</i>	<i>Comments</i>	<i>Limited</i>
II-AF-010AF-H-0320I(8)	C-C	C3.20	89-02	MT	4/24/00	PASS	RI ACC Baseline	
II-CS-021CS-H-0006I(2)	C-C	C3.20	89-02	PT	4/14/00	PASS	NRI	
II-CS-022CS-SW-B7	C-F-1	C5.21	89-02	PT	4/10/00	PASS	NRI	
II-CS-022CS-SW-B7	C-F-1	C5.21	89-02	UT	4/19/00	PASS	GI	
II-CS-088CS-FW-1467	FSAR	6.6.8E	B07-02	PT	4/28/00	PASS	NRI	
II-CS-088CS-FW-1468	FSAR	6.6.8E	B07-02	PT	4/28/00	PASS	NRI	
II-CS-107CS-539-1-SW-1	FSAR	6.6.8E	B07-02	PT	4/28/00	PASS	NRI	
II-CS-107CS-FW-2071	FSAR	6.6.8E	B07-02	PT	4/28/00	PASS	NRI	
II-CS-107CS-FW-2072	FSAR	6.6.8E	B07-02	PT	4/28/00	PASS	NRI	
II-CS-107CS-SW-C4	FSAR	6.6.8E	B07-02	PT	4/28/00	PASS	NRI	
II-CT-002CT-H-0330I(4)	C-C	C3.20	89-02	PT	4/13/00	PASS	NRI	Limited 94.7%
II-FMR-02RC-10-18-FW-7	B-J	B9.11	S02-02	PT	4/22/00	PASS	RI ACC	
II-FMR-02RC-10-18-FW-7	B-J	B9.11	S02-02	UT	4/22/00	PASS	NRI	
II-FMR-03MS-H-0025I(4)	C-C	C3.20	89-02	MT	4/18/00	PASS	NRI	Limited 96.3%
II-FW-002AF-01-FW-5	C-F-2	C5.51	89-02	PT	4/18/00	PASS	NRI	
II-FW-002AF-01-FW-5	C-F-2	C5.51	89-02	UT	4/19/00	PASS	GI	
II-FW-002AF-FW-257	C-F-2	C5.51	89-02	MT	4/17/00	PASS	NRI	
II-FW-002AF-FW-257	C-F-2	C5.51	89-02	UT	4/17/00	PASS	GI	Limited 81%
II-FW-002AF-FW-258	C-F-2	C5.51	89-02	MT	4/17/00	PASS	NRI	
II-FW-002AF-FW-258	C-F-2	C5.51	89-02	UT	4/23/00	PASS	GI	
II-FW-004FW-18-2-SW-2	FSAR	6.6.8D	B06-02	MT	4/17/00	PASS	NRI	Limited 81.8%
II-FW-004FW-18-4-SW-1	FSAR	6.6.8D	B06-02	MT	4/18/00	PASS	NRI	
II-FW-004FW-25-1A-SW-1	FSAR	6.6.8D	B06-02	MT	4/17/00	PASS	NRI	
II-FW-004FW-25-1A-SW-10	FSAR	6.6.8D	B06-02	PT	4/25/00	PASS	NRI	
II-FW-004FW-25-1A-SW-2	FSAR	6.6.8D	B06-02	MT	4/17/00	PASS	NRI	
II-FW-004FW-25-1A-SW-3	FSAR	6.6.8D	B06-02	MT	4/17/00	PASS	NRI	
II-FW-004FW-25-1A-SW-4	FSAR	6.6.8D	B06-02	MT	4/17/00	PASS	NRI	
II-FW-004FW-25-1A-SW-5	FSAR	6.6.8D	B06-02	MT	4/17/00	PASS	NRI	

RFO 9 ISI EXAMINATION RESULTS

<i>Component ID</i>	<i>Category</i>	<i>Item No.</i>	<i>Exam Req.</i>	<i>Exam Type</i>	<i>Exam Date</i>	<i>Results</i>	<i>Comments</i>	<i>Limited</i>
II-FW-004FW-25-1A-SW-6	FSAR	6.6.8D	B06-02	MT	4/17/00	PASS	NRI	
II-FW-004FW-25-1A-SW-7	FSAR	6.6.8D	B06-02	MT	4/17/00	PASS	NRI	
II-FW-004FW-25-1A-SW-8	FSAR	6.6.8D	B06-02	MT	4/17/00	PASS	NRI	
II-FW-004FW-25-1A-SW-9	FSAR	6.6.8D	B06-02	PT	4/17/00	PASS	NRI	
II-FW-004FW-FW-570	FSAR	6.6.8D	B06-02	MT	4/17/00	PASS	NRI	Limited 81.8%
II-FW-004FW-FW-571	FSAR	6.6.8D	B06-02	MT	4/18/00	PASS	NRI	
II-FW-004FW-FW-572	FSAR	6.6.8D	B06-02	MT	4/18/00	PASS	NRI	
II-FW-004FW-FW-573	FSAR	6.6.8D	B06-02	MT	4/18/00	PASS	NRI	
II-FW-004FW-FW-575	FSAR	6.6.8D	B06-02	MT	4/17/00	PASS	NRI	
II-FW-004FW-FW-580	FSAR	6.6.8D	B06-02	PT	4/18/00	PASS	NRI	
II-FW-004FW-SW-C3	FSAR	6.6.8D	B06-02	MT	4/18/00	PASS	NRI	
II-FW-004FW-SW-C4	FSAR	6.6.8D	B06-02	MT	4/18/00	PASS	NRI	
II-FW-004FW-SW-C5	FSAR	6.6.8D	B06-02	MT	4/18/00	PASS	NRI	
II-FW-004FW-SW-C6	FSAR	6.6.8D	B06-02	MT	4/18/00	PASS	NRI	
II-FW-004FW-SW-C7	FSAR	6.6.8D	B06-02	MT	4/18/00	PASS	NRI	
II-FW-004FW-SW-C9	FSAR	6.6.8D	B06-02	MT	4/18/00	PASS	NRI	
II-FW-004FW-SW-D3	FSAR	6.6.8D	B06-02	MT	4/18/00	PASS	NRI	
II-FW-004FW-SW-E3	FSAR	6.6.8D	B06-02	MT	4/17/00	PASS	NRI	
II-MS-001MS-SW-A20	FSAR	6.6.8D	B06-02	MT	4/18/00	PASS	NRI	
II-MS-001MS-SW-A4	C-F-2	C5.51	89-02	MT	4/18/00	PASS	NRI	
II-MS-001MS-SW-A4	C-F-2	C5.51	89-02	UT	4/19/00	PASS	GI	
II-MS-001MS-SW-A5	C-F-2	C5.51	89-02	MT	4/18/00	PASS	NRI	
II-MS-001MS-SW-A5	C-F-2	C5.51	89-02	UT	4/19/00	PASS	GI	
II-MS-001MS-SW-A6	FSAR	6.6.8D	B06-02	MT	4/18/00	PASS	NRI	
II-MS-002MS-FW-690	C-F-2	C5.51	89-02	PT	4/28/00	PASS	NRI	
II-MS-002MS-FW-690	C-F-2	C5.51	89-02	UT	4/24/00	PASS	NRI	
II-MS-002MS-FW-691	C-F-2	C5.51	89-02	UT	4/24/00	PASS	NRI	
II-MS-002MS-FW-692	C-F-2	C5.51	89-02	UT	4/24/00	PASS	NRI	
II-MS-002MS-FW-693	C-F-2	C5.51	89-02	MT	4/19/00	PASS	NRI	

RFO 9 ISI EXAMINATION RESULTS

<i>Component ID</i>	<i>Category</i>	<i>Item No.</i>	<i>Exam Req.</i>	<i>Exam Type</i>	<i>Exam Date</i>	<i>Results</i>	<i>Comments</i>	<i>Limited</i>
II-MS-002MS-FW-693	C-F-2	C5.51	89-02	UT	4/24/00	PASS	NRI	
II-MS-002MS-SW-A3	C-F-2	C5.51	89-02	PT	4/19/00	PASS	NRI	
II-MS-002MS-SW-A3	C-F-2	C5.51	89-02	UT	4/24/00	PASS	NRI	
II-MS-007MS-FW-563	C-F-2	C5.51	89-02	PT	4/19/00	PASS	RI ACC	
II-MS-007MS-FW-563	C-F-2	C5.51	89-02	UT	4/20/00	PASS	GI	Limited 90.7%
II-MS-007MS-FW-564	C-F-2	C5.51	89-02	PT	4/19/00	PASS	RI ACC	
II-MS-007MS-FW-564	C-F-2	C5.51	89-02	UT	4/20/00	PASS	NRI	
II-MS-007MS-96-FW-101	C-F-2	C5.51	89-02	PT	4/20/00	PASS	NRI	
II-MS-007MS-96-FW-101	C-F-2	C5.51	89-02	UT	4/20/00	PASS	NRI	Limited 90.7%
II-MS-007MS-FW-679	C-F-2	C5.51	89-02	PT	4/20/00	PASS	NRI	
II-MS-007MS-FW-679	C-F-2	C5.51	89-02	UT	4/20/00	PASS	NRI	
II-MS-007MS-SW-A3	C-F-2	C5.51	89-02	PT	4/19/00	PASS	NRI	
II-MS-007MS-SW-A3	C-F-2	C5.51	89-02	UT	4/20/00	PASS	NRI	
II-MS-007MS-SW-B3	C-F-2	C5.51	89-02	PT	4/19/00	PASS	NRI	
II-MS-007MS-SW-B3	C-F-2	C5.51	89-02	UT	4/20/00	PASS	NRI	
II-MS-009MS-44-1-SW-1	FSAR	6.6.8D	B06-02	MT	4/25/00	PASS	NRI	
II-MS-009MS-44-1-SW-2	FSAR	6.6.8D	B06-02	MT	4/25/00	PASS	NRI	
II-MS-009MS-44-1-SW-3	FSAR	6.6.8D	B06-02	MT	4/25/00	PASS	NRI	
II-MS-009MS-FW-582	FSAR	6.6.8D	B06-02	MT	4/25/00	PASS	NRI	
II-MS-009MS-FW-583	FSAR	6.6.8D	B06-02	MT	4/25/00	PASS	NRI	
II-PZR-01I,LUG-A5	B-H	B8.20	89-02	MT	4/22/00	PASS	NRI	
II-PZR-01I,LUG-A6	B-H	B8.20	89-02	MT	4/22/00	PASS	NRI	
II-PZR-01I,LUG-A7	B-H	B8.20	89-02	MT	4/22/00	PASS	NRI	
II-PZR-01I,LUG-A8	B-H	B8.20	89-02	MT	4/22/00	PASS	NRI	
II-PZR-01NIR-08	B-D	B3.120	89-02	UT	4/21/00	PASS	NRI	
II-PZR-01NSEW-15	B-F	B5.40	89-02	PT	4/20/00	PASS	NRI	
II-PZR-01NSEW-15	B-F	B5.40	89-02	UT	4/22/00	PASS	NRI	Limited 95.5%
II-PZR-01NTHW-08	B-D	B3.110	89-02	UT	4/21/00	PASS	NRI	Limited 70.0%
II-RC-009RC-FW-3	B-J	B9.11	89-02	PT	4/20/00	PASS	NRI	

RFO 9 ISI EXAMINATION RESULTS

<i>Component ID</i>	<i>Category</i>	<i>Item No.</i>	<i>Exam Req.</i>	<i>Exam Type</i>	<i>Exam Date</i>	<i>Results</i>	<i>Comments</i>	<i>Limited</i>
II-RC-009RC-FW-3	B-J	B9.11	89-02	UT	4/21/00	PASS	NRI	
II-RCP-01RCPA-CSBOLT(1-8)	B-G-2	B7.60	89-02	VT-1	4/24/00	PASS	NRI	
II-RCP-02RCP-A-FLYWHEEL	RG1.14	BORE	B02-02	UT	4/7/00	PASS	NRI Motor 3S-84P901	
II-RCP-02RCP-B-FLYWHEEL	RG1.14	BORE	B02-02	UT	4/18/00	PASS	NRI Motor 1S-84P902	
II-RCP-02RCP-C-FLYWHEEL	RG1.14	BORE	B02-02	UT	4/18/00	PASS	NRI Motor 2S-84P901	
II-RCP-02RCP-FLYWHEEL SPARE	RG1.14	BORE	B02-02	UT	4/29/00	PASS	NRI Motor 1S-84P901	
II-RH-001RH-H-0014I(4)	C-C	C3.20	89-02	PT	4/10/00	PASS	RI ACC	Limited 94.7%
II-RH-001RH-SW-A4	SER	250.1S	B03-02	PT	4/25/00	PASS	NRI	
II-RH-001RH-SW-A4	SER	250.1S	B03-02	UT	4/25/00	PASS	GI	
II-RH-001RH-SW-A4A	SER	250.1S	B03-02	PT	4/25/00	PASS	NRI	
II-RH-001RH-SW-A4A	SER	250.1S	B03-02	UT	4/25/00	PASS	NRI	
II-RH-001RH-SW-L3	SER	250.1S	B03-02	PT	4/11/00	PASS	NRI	
II-RH-001RH-SW-L3A	SER	250.1S	B03-02	PT	4/11/00	PASS	NRI	
II-RH-001SI-FW-3	C-F-1	C5.11	89-02	PT	4/19/00	PASS	NRI	
II-RH-001SI-FW-3	C-F-1	C5.11	89-02	UT	4/19/00	PASS	NRI	
II-RH-001SI-FW-3A	C-F-1	C5.12	89-02	PT	4/19/00	PASS	NRI	
II-RH-001SI-FW-3A	C-F-1	C5.12	89-02	UT	4/19/00	PASS	NRI	
II-RH-001SI-FW-6	C-F-1	C5.11	89-02	PT	4/11/00	PASS	RI ACC	
II-RH-001SI-FW-6	C-F-1	C5.11	89-02	UT	4/12/00	PASS	NRI	Limited 98.8%
II-RH-001SI-FW-6A	C-F-1	C5.12	89-02	PT	4/11/00	PASS	NRI	
II-RH-001SI-FW-6A	C-F-1	C5.12	89-02	UT	4/12/00	PASS	NRI	
II-RH-001SI-FW-6B	C-F-1	C5.12	89-02	PT	4/11/00	PASS	NRI	
II-RH-001SI-FW-6B	C-F-1	C5.12	89-02	UT	4/12/00	PASS	NRI	
II-RH-001SI-FW-6C	C-F-1	C5.12	89-02	PT	4/11/00	PASS	NRI	
II-RH-001SI-FW-6C	C-F-1	C5.12	89-02	UT	4/12/00	PASS	NRI	
II-RHR-01RHRA-NTSW-A	C-B	C2.33	89-02	VT	2/17/00	PASS	NI OST 1008	
II-RHR-01RHRA-NTSW-B	C-B	C2.33	89-02	VT	2/17/00	PASS	NI OST 1008	
II-RV-001-INTERIOR	B-N-1	B13.10	89-02	VT-3	4/28/00	PASS	NI	
II-RV-001RVFT 22, 23, and 40	B-G-1	B6.40	89-02	UT	4/27/00	PASS	NI Baseline	

RFO 9 ISI EXAMINATION RESULTS

<i>Component ID</i>	<i>Category</i>	<i>Item No.</i>	<i>Exam Req.</i>	<i>Exam Type</i>	<i>Exam Date</i>	<i>Results</i>	<i>Comments</i>	<i>Limited</i>
II-RV-001FTHW-RV-18FA,B,C	B-A	B1.40	89-02	MT	4/20/00	PASS	NRI	
II-RV-001FTHW-RV-18FA,B,C	B-A	B1.40	89-02	UT	4/21/00	PASS	NRI	Limited 71.7%
II-RV-001RVNUT(1-19)	B-G-1	B6. 10	89-02	MT	4/27/00	PASS	RI ACC	
II-RV-001RVSTUD(1-19)	B-G-1	B6. 30	89-02	MT	4/27/00	PASS	RI ACC	
II-RV-001RVSTUD(1-19)	B-G-1	B6. 30	89-02	UT	4/26/00	PASS	NRI	
II-RV-001RVSTUD Spare 16	B-G-1	B6. 30	89-02	MT	4/6/00	PASS	NRI Baseline	
II-RV-001RVSTUD Spare 16	B-G-1	B6. 30	89-02	UT	4/4/00	PASS	NRI Baseline	
II-RV-001RVSTUD Spare S-2-32	B-G-1	B6. 30	89-02	MT	4/6/00	PASS	NRI Baseline	
II-RV-001RVSTUD Spare S-2-32	B-G-1	B6. 30	89-02	UT	4/4/00	PASS	NRI Baseline	
II-RV-001RVSTUD Spare S-2-33	B-G-1	B6. 30	89-02	MT	4/6/00	PASS	NRI Baseline	
II-RV-001RVSTUD Spare S-2-33	B-G-1	B6. 30	89-02	UT	4/4/00	PASS	NRI Baseline	
II-RV-001RVWSH(1-19)	B-G-1	B6. 50	89-02	VT-1	4/26/00	PASS	RI ACC	
II-SI-003SI-SW-A9	C-F-1	C5.21	89-02	PT	4/11/00	PASS	NRI	
II-SI-003SI-SW-A9	C-F-1	C5.21	89-02	UT	4/13/00	PASS	NRI	
II-SI-004SI-FW-42	C-F-1	C5.21	89-02	PT	4/11/00	PASS	NRI	
II-SI-004SI-FW-42	C-F-1	C5.21	89-02	UT	4/13/00	PASS	NRI	
II-SI-004SI-SW-A11	C-F-1	C5.21	89-02	PT	4/11/00	PASS	NRI	
II-SI-004SI-SW-A11	C-F-1	C5.21	89-02	UT	4/13/00	PASS	NRI	
II-SI-008SI-FW-453	SER	250.1S	B03-02	PT	4/10/00	PASS	NRI	
II-SI-008SI-FW-453A	SER	250.1S	B03-02	PT	4/10/00	PASS	NRI	
II-SI-021SI-FW-555	C-F-1	C5.11	89-02	PT	4/27/00	PASS	NRI	
II-SI-021SI-FW-555	C-F-1	C5.11	89-02	UT	4/27/00	PASS	NRI	Limited 75.5%
II-SI-021SI-FW-555A	C-F-1	C5.12	89-02	PT	4/27/00	PASS	NRI	
II-SI-021SI-FW-555A	C-F-1	C5.12	89-02	UT	4/27/00	PASS	NRI	
II-SI-021SI-FW-557	C-F-1	C5.11	89-02	PT	4/27/00	PASS	NRI	
II-SI-021SI-FW-557	C-F-1	C5.11	89-02	UT	4/27/00	PASS	NRI	
II-SI-024SI-213-FW-573	C-F-1	C5.11	89-02	PT	4/25/00	PASS	NRI	
II-SI-024SI-213-FW-573	C-F-1	C5.11	89-02	UT	4/25/00	PASS	GI	Limited 73%
II-SI-024SI-H-0236I(2)	C-C	C3.20	89-02	PT	4/25/00	PASS	RI ACC	

RFO 9 ISI EXAMINATION RESULTS

<i>Component ID</i>	<i>Category</i>	<i>Item No.</i>	<i>Exam Req.</i>	<i>Exam Type</i>	<i>Exam Date</i>	<i>Results</i>	<i>Comments</i>	<i>Limited</i>
II-SI-025SI-SW-D3	C-F-1	C5.11	89-02	PT	4/26/00	PASS	NRI	
II-SI-025SI-SW-D3	C-F-1	C5.11	89-02	UT	4/26/00	PASS	GI	
II-SI-026SI-FW-543	C-F-1	C5.11	89-02	UT	11/10/98	PASS	NRI RFO8	
II-SI-026SI-FW-543	C-F-1	C5.11	89-02	PT	11/6/98	PASS	NRI RFO8	
II-SI-026SI-FW-543	C-F-1	C5.11	89-02	UT	4/25/00	PASS	NRI Supplement to RFO8	Limited 86.25%
II-SI-026SI-FW-582	C-F-1	C5.11	89-02	PT	4/24/00	PASS	NRI	
II-SI-026SI-FW-582	C-F-1	C5.11	89-02	UT	4/25/00	PASS	GI	Limited 95.5%
II-SI-027SI-FW-607	C-F-1	C5.11	89-02	PT	4/27/00	PASS	NRI	
II-SI-027SI-FW-607	C-F-1	C5.11	89-02	UT	4/26/00	PASS	GI	Limited 88%
II-SI-028SI-SW-A3	C-F-1	C5.11	89-02	PT	4/25/00	PASS	NRI	
II-SI-028SI-SW-A3	C-F-1	C5.11	89-02	UT	4/25/00	PASS	NRI	
II-SI-029SI-FW-600	C-F-1	C5.30	89-02	PT	4/27/00	PASS	NRI	
II-SI-029SI-FW-886	C-F-1	C5.30	89-02	PT	4/27/00	PASS	NRI	
II-SI-029SI-SW-C14	C-F-1	C5.21	89-02	PT	4/27/00	PASS	NRI	
II-SI-029SI-SW-C14	C-F-1	C5.21	89-02	UT	4/28/00	PASS	GI	
II-SI-030SI-FW-817	C-F-1	C5.30	89-02	PT	4/27/00	PASS	NRI	
II-SI-030SI-FW-818	C-F-1	C5.30	89-02	PT	4/27/00	PASS	NRI	
II-SI-031SI-FW-642	C-F-1	C5.30	89-02	PT	4/27/00	PASS	NRI	
II-SI-031SI-SW-H8	C-F-1	C5.30	89-02	PT	4/27/00	PASS	NRI	
II-SI-032SI-FW-981	C-F-1	C5.30	89-02	PT	4/27/00	PASS	NRI	

NI = No Indications

NRI = No Indications

RI = Recordable Indications

GI = Geometric Indications

ACC = Acceptable

SECTION 4

COMPONENT SUPPORTS

RF09 Report for ASME Section XI Component Supports and Snubbers

6/19/00

During RF09, the following activities were completed to satisfy Technical Specification and ASME Code requirements with regard to component supports and snubbers. Certified VT Level II CP&L QC, VT Level II contractor QC, and ISI VT Level III personnel performed the inspections.

Technical Specification 3.7.8, as implemented by PLP-106 and ISI-202, requires that 100% of the snubbers be examined on a 36 month interval. The snubber population consists of 39 large bore hydraulic snubbers and 1400 mechanical snubbers. The majority of accessible snubbers were inspected prior to the outage. The remaining exams were completed during the outage. The exams resulted in no visual failures, however the following discrepancies were identified:

<u>Condition</u>	<u>Occurrences</u>	<u>Resolution</u>
Degraded Coloc locknuts	(2)	Replaced nuts
Misalignment	(1)	Realigned snubber
Missing beveled washer	(1)	Installed washer
Spherical bearing displacement	(1)	Pressed and staked bearing
Backwards beveled washer	(1)	Reversed washer
Corrosion	(1)	Operable – WR/JO to paint
Fluid loss	(1)	Tightened hose connections
Broken snubber	(1)	Replaced. Snubber was used for a step and broken. Was observed intact in early stages of RF09.

Technical Specification 3.7.8, as implemented by PLP-106 and ISI-202, requires snubbers to be functional tested each outage. In RF09, mechanical snubbers were tested in the random sample “37 plan” and the “Harsh Environment” test group. Also, 5 hydraulic snubbers were tested in RF09. There were no test failures of the mechanical snubbers in the “37 plan” or the hydraulic units. Of the 24 snubbers in the “Harsh Environment” test group, 6 snubbers exceeded the drag test criteria. Two snubbers were found locked up when removed and could not be tested, resulting in a scope expansion of two additional snubbers from the same environmental conditions.

Forty-eight ASME Section XI component support visual examinations were performed in RF09. The exams resulted in zero failures. Scope expansion was not required for the ASME supports scheduled for examination in RF09. The list of ASME component supports that were examined is attached.

RF09 ISI Exam List - Component Supports					
<i>Category F-A Item F1.10B</i>	<i>Class 1 Hanger - Box</i>				
Hanger	Location	Exam Type	Exam Date	Exam Results	Examiner
RC-H-33	CONT 286' AZ-315 R-38'	VT-3	5/2/00	PASS	LJM
RC-H-99	CONT 273' AZ-314 R-41'	VT-3	5/2/00	PASS	LJM
SI-H-366	CONT 239' AZ-195 R-17'	VT-3	5/1/00	PASS	WPD
<i>Category F-A Item F1.10C</i>	<i>Class 1 Hanger - Constant Support</i>				
Hanger	Location	Exam Type	Exam Date	Exam Results	Examiner
RC-H-57	CONT 306' @ PZR	VT-3	4/28/00	PASS	WPD
<i>Category F-A Item F1.10R</i>	<i>Class 1 Hanger - Rigid</i>				
Hanger	Location	Exam Type	Exam Date	Exam Results	Examiner
SI-H-176	CONT 257' AZ-39 R-24'	VT-3	5/3/00	PASS	LJM
CS-H-2957	CONT 255' AZ-10 R-42'	VT-3	4/29/00	PASS	RMW
<i>Category F-A Item F1.10V</i>	<i>Class 1 Hanger - Variable (Spring Can)</i>				
Hanger	Location	Exam Type	Exam Date	Exam Results	Examiner
RC-H-41	CONT 294' AZ-310 R-37'	VT-3	4/30/00	PASS	LJM
<i>Category F-A Item F1.20A</i>	<i>Class 2 Hanger - Anchor</i>				
Hanger	Location	Exam Type	Exam Date	Exam Results	Examiner
RH-H-78	RAB 247' COL 27 5'W/E	VT-3	3/1/00	PASS	KAD/SAB
SI-H-44	RAB 245' 2'N/16 3'E/FZ	VT-3	3/1/00	PASS	KAD/SAB

<i>Category F-A Item F1.20B</i>					
Hanger	Location	Exam Type	Exam Date	Exam Results	Examiner
<i>Class 2 Hanger - Box</i>					
BD-H-498	CONT 257' AZ-32 R-40'	VT-3	5/3/00	PASS	LJM
CS-H-3	RAB 248' 8'S/26 3'W/D	VT-3	1/10/00	PASS	JMM
CT-H-287	RAB 200' 1'S/34 4'W/FV	VT-3	3/28/00	PASS	GGT
RH-H-66	RAB 240' 2'S/18 9'E/E	VT-3	3/29/00	PASS	KAD
SI-H-45	RAB 245' 2'N/16 COL FV	VT-3	3/1/00	PASS	KAD/SAB
<i>Category F-A Item F1.20R</i>					
Hanger	Location	Exam Type	Exam Date	Exam Results	Examiner
<i>Class 2 Hanger - Rigid</i>					
AF-H-287	CONT 265' AZ-314 R-48'	VT-3	4/18/00	PASS	JMM
AF-H-306	CONT 263' AZ-266 R-49'	VT-3	4/18/00	PASS	JMM
AF-H-344	RAB 265' COL 27 1'W/FZ	VT-3	4/16/00	PASS	JMM
BD-H-12	CONT 257' AZ-180 R-48'	VT-3	4/18/00	PASS	JMM
CT-H-282	RAB 207' 4'N/34 12'W/E	VT-3	3/29/00	PASS	SAB
CT-H-344	RAB 243' 7'N/16 3'E/FZ	VT-3	3/8/00	PASS	KAD
CT-H-895	RAB 192' 3'N/34 8'W/FV	VT-3	3/28/00	PASS	GGT
RH-H-6	RAB 248' 3'S/29 5'W/E	VT-3	3/20/00	PASS	SAB
RH-H-87	RAB 240' 2'N/18 5'E/E	VT-3	3/29/00	PASS	KAD
SI-H-57	RAB 243' 3'N/29 2'E/FZ	VT-3	3/1/00	PASS	KAD/SAB
SI-H-980	CONT 253' AZ-264' R-47'	VT-3	4/28/00	PASS	LJM
<i>Category F-A Item F1.20V</i>					
Hanger	Location	Exam Type	Exam Date	Exam Results	Examiner
<i>Class 2 Hanger - Variable (Spring Can)</i>					
CT-H-91	CONT 286' AZ-302 R-62'	VT-3	4/18/00	PASS	JMM
FW-H-117	CONT 271' AZ-260 R-53'	VT-3	4/28/00	PASS	WPD
FW-H-516	RAB 271' COL 27 19'W/E	VT-3	4/16/00	PASS	JMM

SECTION 5

IWE/IWL EXAMINATION RESULTS

RF09 IWE/IWL Examination Report

During RF09, ASME Code Section XI Subsection IWE examinations were performed on the Containment liner, penetrations, and bolting within the IWE boundary. The following components are described in the IWE/IWL Program HNP IWE/IWL – 001. These components are scheduled for examination in Appendix A of the Program Plan.

General Visual Examinations of Containment Liner (including penetrations)

LB-0/360	Liner Basemat 0-360°, below elevation 221', approx. 4' section removed under WR/JO 99-ABWL1
LC-0/90	Liner Cylinder 0-90°, elevation 221' to 376'
LC-90/180	Liner Cylinder 90-180°, elevation 221' to 376'
LC-180/270	Liner Cylinder 180-270°, elevation 221' to 376'
LC-270/360	Liner Cylinder 270-360°, elevation 221' to 376'
LD-0/180	Liner Dome 0-180°
LD-180/360	Liner Dome 180-360°

VT-3 Examinations of Moisture Barrier

M-0/90	Moisture Barrier 0-90°
M-90/180	Moisture Barrier 90-180°
M-180/270	Moisture Barrier 180-270°
M-270/360	Moisture Barrier 270-360°

VT-3 Examinations of Gaskets

G-M34	Gasket – Penetration M34
G-M57	Gasket – Penetration M57
G-M58	Gasket – Penetration M58
G-M62	Gasket – Penetration M62
G-M66	Gasket – Penetration M66
G-M96	Gasket – Penetration M96
G-M102	Gasket – Penetration M102
G-M150	Gasket – Penetration M150 (Equipment Hatch)
G-M151	Gasket – Penetration M151 (Personnel Air Lock)
G-M152	Gasket – Penetration M152 (Emergency Air Lock)

VT-1 Examinations of Bolting

BV-M58	Bolting – Penetration M57 (assembled)
BV-M62	Bolting – Penetration M62 (assembled)
BV-M102	Bolting – Penetration M102 (assembled)

The following recordable conditions were observed during the examinations and were determined to be non-relevant by the RE and PM.

Conditions observed included coatings blisters primarily around air handlers and SI Accumulator "C". Scraping the blisters revealed tightly adhering rust with no pitting, flaking, or significant metal loss.

Mechanical damage to the coatings was observed in four locations with the total surface area less than 1 ft.². The liner did not exhibit any significant metal loss in these areas.

The coatings around the Main Steam, Feedwater and Auxiliary Feedwater penetrations were discolored from heat. The coatings are tightly adhering with no indications of coatings failure.

Inside the "A" Containment Spray Valve Chamber, there was rust with pitting in an area approximately 18"X18" around the drain line connection. The area was ultrasonically tested and found to be above nominal thickness. The area was cleaned and painted prior to closing the valve chamber.

The liner under the transfer canal exhibits an area that appears to be bulged. When tapped with a hammer, the bulged areas sound hollow, but sound solid within a few feet where welded studs are embedded in the concrete. Many areas that are not bulged also sound hollow when tapped and then sound solid within a few feet. The bulged areas sounded the same as the other areas and no further action was taken.

Preservice VT-1 exam of new bolting materials for the Equipment Hatch was performed prior to final installation of the hatch cover. Five cap screws were found to have partially flattened threads when removed. Two nuts and six washers were replaced at the same time. The bolting materials were replaced per PLP-605.

SECTION 6

EDDY CURRENT INSPECTION SUMMARY

Shearon Harris Nuclear Generating Station

Cycle 9

Steam Generator

Eddy Current Inspection Summary

1.0 INTRODUCTION

Steam Generator tube inspection and repair of Shearon Harris has been completed for the Cycle 9 refueling outage. Examinations of the tubing was performed with eddy current examination. The appropriate tubes have been removed from service by plugging and mechanical stabilizers installed where needed.

The examinations resulted in a total of 44 tubes being plugged; 3 in steam generator "A", 12 in steam generator "B" and 29 in steam generator "C".

Taken as a whole the Harris inspection results show less active corrosion induced tube degradation than has been found in similar steam generator types at other plants with similar years of operation. However, corrosion induced degradation has been slowly increasing and a slightly elevated increase in axial cracking was noted during this inspection in SG "C".

Tube wear at support structures has not shown increased progression over what has been seen in previous cycles.

Loose part signals and loose part indications were noted from ECT data analysis. Comprehensive inspections have been performed to determine the extent and the amount of degradation at the loose part signals.

Indications were noted in row 1 U-bends which prompted an expansion of the original 20% inspection scope. 100% of row 1 and 2 U-bends were examined with plus point rotating coil probes.

2.0 Examination Plan

An extensive inspection was performed on the Harris steam generator tubes. The inspection scope exceeded prevailing requirements and met or exceeded industry guidelines and accepted good practice. Qualifications of the hardware, procedures and personnel requirements met or exceeded prevailing regulations and accepted industry guidelines and good practice.

Testing scope and scope expansion logic were planned prior to the beginning of inspection activities to address Technical Specification requirements, EPRI Guidelines and to specifically address known degradation mechanisms and potential new degradation modes as indicated by industry experience.

The inspection was completed on April 30, 2000. Table 1 is the inspection scope and Table 2 is the summary of tubes plugged. The original ECT scope was to inspect: 1.) 100% of all tubes with bobbin coil eddy current testing, 2.) 100% of all tubes with Plus Point[®] rotating coil (RC) eddy current testing at the hot leg top-of-tubesheet, 3.) A sample of hot leg dents and other benign indications with Plus Point[®], 4.) A 20% sample of tubes

with Plus Point® in the tight radii U-bends - rows 1 through 2 and, 5.) A 20% sample of the pre-heater expanded tubes in SG "C".

A sample expansion was required for row 1 and 2 U-bends consistent with preplanning, the EPRI Guidelines methodology, and site Technical Specification. RC and Bobbin examinations were performed around loose part indications and expanded by a one-tube boundary until no further indications were reported.

3.0 Examination Results

Indications of tube wall loss and tube cracking were noted from tube inspections and are attributed to corrosion and mechanical wear. Corrosion indications were located at hot leg tube expansion transitions and within the hot leg tubesheet. Tube wear was noted at support structures in the cold leg pre-heater area and at the anti-vibration bars (AVB's). Minor wear was recorded where loose parts were previously detected. Table 2 is a summary of tubes plugged and the nature of the indication. Table 3 is a summary of all indications recorded during RFO9.

The examination results for each of the steam generators, per the Harris Technical Specifications and EPRI Guideline, was classified as C-2. The classification criteria is based on bobbin and RC examinations and classified per the following:

- C-1; Less than 5% of the total tubes inspected are degraded tubes and none of the inspected tubes are defective.
- C-2; One or more tubes, but not more than 1% of the total tubes inspected are defective, or between 5% and 10% of the total tubes inspected are degraded tubes.
- C-3; More than 10% of the total tubes inspected are degraded tubes or more than 1% of the inspected tubes are defective.

3.1 Additional Evaluations

No additional steam generator related inspections were performed during the RFO9 refueling outage.

Table 1 - Summary of Steam Generator Tube Inspection

	S/G A	S/G B	S/G C
	Percent of Tubes		
Bobbin - Full Length	100%	100%	100%
Plus Point - Tight Radii U-Bends Row 1 - 2	100%	100%	100%
Plus Point - Expansion Transition - H/L TTS	100%	100%	100%
Plus Point - Pre-Heater expanded tubes (two intersections per tube)	n/a	n/a	20%
Plus Point - Hot Leg Dents, Buff marks and benign indications	20% of HL dented intersections & sample of benign indications	20% of HL dented intersections & sample of benign indications	20% of HL dented intersections & sample of benign indications
Plus Point - Loose Parts and other Diagnostic examinations.	As Required	As Required	As required

Table 2 - Tubes Plugged For Indications of Tube Degradation

Indication Orientation and Location	Steam Generator		
	SG A	SG B	SG C
Axial indications below the inlet top-of-tubesheet	1	0	0
Both circumferential and axial oriented indications that do not intersect and are near the expansion transition at the hot leg top-of-tubesheet	0	0	0
Circumferentially oriented indications near the expansion transition at the hot leg top-of-tubesheet	1 ^h	1 ^h	13 ^h
Axially oriented indications near the expansion transition at the hot leg top-of-tubesheet	0	1	10
Preventive plugging of tubes with loose part indications ¹	1	4 ^c	5 ^c
Wear at an AVB support (Exceeding Plugging Limits)	0	0	1
Geometry pre-cursor indications in Row 1 u-bends	0	6	0
Total Plugged - 44	3	12	29

h = Hot Leg Stabilizer installed
c = Cold Leg Stabilizer installed

Table 3 - Indication Summary

Indication Category	Steam Generator		
	SG A	SG B	SG C
Axial indications below the inlet top-of-tubesheet	1	0	0
Both circumferential and axial oriented indications that do not intersect and are near the expansion transition at the hot leg top-of-tubesheet	0	0	0
Circumferentially oriented indications near the expansion transition at the hot leg top-of-tubesheet	1	1	13
Axially oriented indications near the expansion transition at the hot leg top-of-tubesheet	0	1	10
Loose Part Indications (wear associated)	1	5	7
Loose Part Signals (no wear associated)	6	22	7
Wear 0-19%	24	8	25
20-29%	17	6	15
30-39%	0	1	4
40%-100%	0	0	1
Total	50	44	72

Note: The above documents the number of tubes, not indications. Some tubes have more than one indication or indication category.

4.0 Examination Techniques and Equipment

The hardware, qualification of techniques and qualifications of personnel met or exceeded regulatory requirements, industry guidance and prevailing industry good practice. The resolution process employed was independent to preclude a systematic bias.

The primary diagnostic tool that was used on defects was the Plus Point[®] rotating eddy current coil. This tool is currently the state-of-the-art tool for detection and categorization of certain defects.

The eddy current examination was performed by ABB Combustion Engineering, Inc., utilizing Zetec MIZ-30 digital data acquisition and analysis systems. The following coil types were used for the tube examinations:

Bobbin coil	A610M/ULC	.610" Diameter magnetic bias
	A600COMBO	.600" Diameter magnetic bias
	A580SF/RM	.580" Diameter spring flex magnetic bias
Rotating coil	P610MRPC3C	.610" Diameter Three coil (.115" Mid-frequency, .080" High frequency Pancake, Plus point Mid-frequency
	P600MRPC2C cer	.600" Diameter Two-coil (.115" Mid-frequency, Plus point Mid-frequency
	P580MRPC1C	.580" Diameter One Coil Plus Point Mid-frequency. Mag. Bias

The data was independently analyzed by two groups of certified Level IIA (minimum) QDA qualified data analysts (QDA). Discrepancies between the two sets of evaluation results were reviewed by Lead Level III eddy current examiners representing both Primary and Secondary analysis groups. ABB/ Combustion Engineering performed ECT data acquisition. Primary data analysis was performed by Verner & James and Duke Engineering Services, Inc. performed Secondary data analysis. Both Primary and Secondary analysis were performed remotely via LAN/WAN at the Verner & James Company located in Redmond, Washington and Duke facility located near Charlotte, North Carolina, respectively. Potentially repairable indications as well as a sample of non-degraded tubes were also reviewed by an independent ABB Level III analyst and CP&L's Level III analyst.

A Site Specific Performance Demonstration was required for all data analysts. The Performance Demonstration consisted of a written and practical examination. The written exam was based on knowledge and use of the analysis procedure, while the practical examination focused on successful completion of analysis of actual data. Data was compiled from prior outages at Shearon Harris along with other indications (from similar plants) that could potentially be found in Shearon Harris steam generators.

Two Data Management Systems were used at Shearon Harris. The primary system was Zetec's Inspection Management system that was the database of record. The second was Westinghouse's Data Management System that was used to provide a second check and process other information used for on-line data review and historic review.

SECTION 7

NIS-2 FORMS

REPORT OF REPAIRS AND REPLACEMENTS

CYCLE 9

CLASS 1
NIS-2 FORMS

Cycle 9 NIS-2

WR/JO NUMBER	TAG	ESR NUMBER	ASME CODE CLASS	REPAIR OR REPLACEMENT
99-ABXC1	1RC-127	N/A	1	Replacement
99-AASM1	RC-H-38	N/A	1	Replacement
99-AATC1	RC-H-100	N/A	1	Replacement
97-AJQK1	1RC-E001	N/A	1	Replacement
00-ABWY3	1CS-483	00-00161	1	Repair

FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS
As Required by the Provisions of the ASME Code Section XI

1. Owner Carolina Power & Light Company Date July 25, 2000
Name
P.O. Box 1551, Raleigh, N. C. 27602-1551 Sheet 1 of 2
Address
2. Plant Shearon Harris Nuclear Power Plant Unit 1
Name
P.O. Box 165, New Hill, N. C. 27562-0165 WR/JO 99-ABXC1
Address Repair Organization P.O. No., Job No., etc.
3. Work Performed by Carolina Power & Light Company Type Code Symbol Stamp N/A
Name
P.O. Box 165 New Hill, N.C. 27562-0165 Authorization No. N/A
Address Expiration Date N/A
4. Identification of System: Reactor Coolant ASME III, CLASS 1
5. (a) Applicable Construction Code ASME Sect. III 1974 Edition, WINTER 1976 Addenda, N/A Code Case
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 89.
6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
Relief Valve	Crosby Valve & Gage Co.	N56964-00-0088	374	N/A	N/A	Replaced	N/A
Relief Valve	Crosby Valve & Gage Co.	N56964-00-0046	207	728-527-67	N/A	Replacement	N/A

7. Description of Work: Replaced relief valve 1RC-127.
8. Tests Conducted: Hydrostatic Pneumatic Nominal Operating Pressure
Other Pressure _____ psi Test Temp. _____ of

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8½ 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.
(12/82)

FORM NIS-2 (Back)

9. Remarks: _____
Applicable Manufacturer's Date 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 No. N/A Expiration Date N/A

Signed Darin Dargatzis for Equipment Performance Supervisor Date 7/25/00
Owner or Owner's Designee, Title

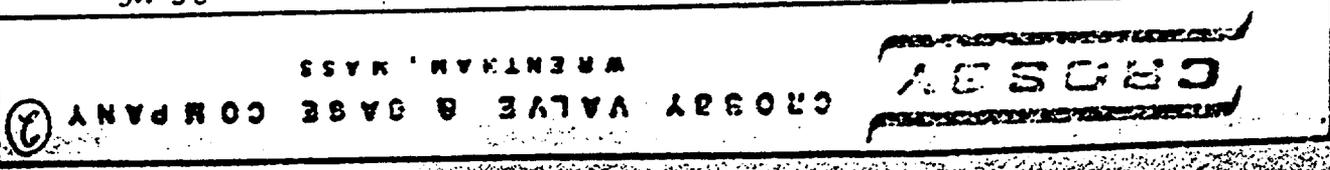
CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of North Carolina and employed by Hartford Steam Boiler Inspection and Insurance Company of One State Street, Hartford Connecticut 06102 have inspected the components described in this Owner's Report during the period 11-29-98 to 5-12-00, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

[Signature] Commissions NB 9291ABNI, NC 1444
Inspector's Signature National Board, State, Province, and Endorsements

Date 7-27 2000



CROSBY VALVE & GASE COMPANY
WRENTHAM, MASS

G.C.-44C

FORM NO. 1 FOR SAFETY AND SAFETY RELIEF VALVES
As required by the provisions of the ASME Code Rules

DATA REPORT
Safety and Safety Relief Valves

1. Manufactured by Crosby Valve & Gase Company, 43 Kendrick Street, Wrentham, Ma. 02093
Assem. No. W-3094 (X)
Name and Address

Model No. HB-85B Order No. 100118
Contract Date 4-7-73 National Board No. 207
Westinghouse Electric Corp., Nuclear
Energy Systems, Pittsburgh, Pa. 15230
Order No. 546-CCK-178348-BN

2. Manufactured for Energy Systems, Pittsburgh, Pa. 15230
Name and Address

3. Owner Carolina Power & Light Co., Shearon Harris Nuclear Power Plant #1
Name and Address

4. Location of Plant Borsari, North Carolina

5. Valve Identification 6RV8M5B
Serial No. NS6964-00-0046
Drawing No. DS-C-56964 Rev. C

Type Safety
Safety Safety Relief Pilot Power Actuated
Orifice Size 2.154 P.W. Size 1/2
Inlet 6 Outlet 6
Inch Inch Inch
Rated Temperature 650° F

6. Set Pressure (PSIG) 2495
3 1/2 Overpressure 5" Discdown (PSIG) 125
Stamped Capacity 42000 55.4/hr

Hydraulic Test (PSIG) Inlet 4575
Complete Valve 750 psig

7. The material design, construction and workmanship comply with ASME Code Section III
Class 1 Edition 1971 Addenda Date Winter 1972
Case No. ---

Pressure Containing or Pressure Retaining Components

Serial No. Identification
Material Specification
Including Type or Grade

Body N90490-33-0041
ASME-SA312 E316

Bonnet N90353-38-0032
ASME-SA312 E316

Support Rods N90535-38-0073
ASME-SA312 E316

Disc Holder N90533-38-0039
N90533-38-0039
ASME-SA312 E316

Spring Washers N90380-40-0052
N90350-38-0077
N90350-38-0077
ASME-SA312 E316

Adjusting Bolt N90351-31-0028
N90351-31-0028
ASME-SA312 E316

Spindle Bolt N90351-40-0099
N90351-40-0099
ASME-SA312 E316

Spline Ball N90055-0097
N90055-0097
ASME-SA312 E316

Disc Inset N90349-36-0107
N90349-36-0107
Haynes Stainless No. 98

3 0 2 0

Boiler & Machinery Division.

*Mark Twain - Mutual Insurance Company - Kansas

CERTIFICATE OF SHOP INSPECTION

I, the undersigned, holder of a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State of Kansas, and employed by Factory Mutual, Kansas, inspected the equipment described in this Data Report on _____ 19____ and _____ 19____ and 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: 10-16-76
 Inspector: [Signature]
 Commission No. MB 213
 National Board State Professional Seal No. MB 7325

Design information on file at Crosby Valve & Gage Co., Wrentham, Ma. Design Report No. EC-153.

Certificate of Authorization No. 926 expires October 28, 1977

Date: 10-16-76 Signed Crosby Valve & Gage Co. By: [Signature] QA Manager

Manufacturer: _____

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

Serial No. or Identification	Material Specification	Including Type of Material
NX-2761-0036	ASTM-A304 Gr. 304	360H
c. Spring		
d. Bolting		
e. Other Parts such as Pilot Components		
Bonnet Stud	ASTM-A453-70 Gr. 660 ASME-SA-33 Gr. 660	
Bonnet Stud Nuc	89997 ASTM-A193-71 Gr. B6 ASME-SA193 Gr. B6	
Bonnet Stud Nuc	990488-0645 thru 0656 ASTM-A453-70 Gr. 660 ASME-SA-33 Gr. 660	
Inlet Stud Nuc	990489-0645 thru 0656 ASTM-A193-71 Gr. B6 ASME-SA193 Gr. B6	

3

FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS
As Required by the Provisions of the ASME Code Section XI

1. Owner Carolina Power & Light Company Date June 27, 2000
Name
P.O. Box 1551, Raleigh, N. C. 27602-1551 Sheet 1 of 2
Address
2. Plant Shearon Harris Nuclear Power Plant Unit 1
Name
P.O. Box 165, New Hill, N. C. 27562-0165 WR/JO 99-AASM1
Address Repair Organization P.O. No., Job No., etc.
3. Work Performed by Carolina Power & Light Company Type Code Symbol Stamp N/A
Name
P.O. Box 165 New Hill, N.C. 27562-0165 Authorization No. N/A
Address Expiration Date N/A
4. Identification of System: Reactor Coolant ASME III, CLASS 1
5. (a) Applicable Construction Code ASME Sect. III 19 74 Edition, Winter 76 Addenda, N/A Code Case
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 89, Addenda NO
6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
Snubber	Pacific Scientific	12578	N/A	RC-H-38	1985	Replaced	No
Snubber	Pacific Scientific	18630	N/A	RC-H-38	1983	Replacement	No

7. Description of Work: Snubber replacement.

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

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8½ 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-2 (Back)

9. Remarks: _____
Applicable Manufacturer's Date 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 No. N/A Expiration Date N/A

Signed Doan George for Equipment Performance Supervisor Date 6/27/00
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of North Carolina and employed by Hartford Steam Boiler Inspection and Insurance Company of One State Street, Hartford Connecticut 06102 have inspected the components described in this Owner's Report during the period 11-29-98 to 5-12-00, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

Doan George Commissions NB 9291ABNI, NC 1444
Inspector's Signature National Board, State, Province, and Endorsements

Date 6-29 2000

FORM NF-1 NPT CERTIFICATE HOLDERS' DATA REPORT FOR COMPONENT SUPPORTS*
As Required by the Provisions of the ASME Code Rules, Section III, Division 1

1. Manufactured by Pacific Scientific 1346 S. State College Blvd. Anaheim, Ca. 92803
(Name and address of NPT Certificate Holder)

2. Manufacturer for ITT Grinnell Corporation 621 Dana Street N.E. Warren, Ohio 44481
(Name and address of purchaser or owner)

3. Location of Installation Unknown

4. Identification

(a) Component Support I.D. No.	(b) Canadian Registration No.	(c) Applicable Drawings with Last Rev & Date	(d) Stress Report or Load Capacity Data Sheet	(e) Type of Component Support	(f) Class	(g) Nat'l Board No.	(h) Year Built
(1) <u>18601</u>	<u>None</u>	<u>1801104-07-J</u>	<u>DRL413 Rev. 0</u>	<u>Linear</u>	<u>1</u>	<u>None</u>	<u>1983</u>
(2) <u>thru</u>							
(3) <u>18723</u>							
(4)							
(5)							
(6)							
(7)							
(8)							
(9)							
(10)							

5. Remarks: Inspection Test Reports, CMTR's and Certificate of Conformance reviewed and meet ASME SECIII 1974 Edition, Summer '76 Addenda and Code Case 1644-6.

CERTIFICATE OF COMPLIANCE

I certify that the statements made in this report are correct and that these components supports conform to the rules of construction of the ASME Code for Nuclear Power Plant Components, Section III, Division 1, Edition 1977, Addenda Winter '78, Code Case No. 1644-7 (Date)

Date 5-25-83 Signed Pacific Scientific by RODOLFO G. NANTA
(NPT Certificate Holder)

ASME Certificate of Authorization No. 1198 to use the "NPT" (NPT)

Symbol expires AUG. 4, 1984 (Date)

CERTIFICATION OF DESIGN

Design Information on File at Pacific Scientific

Stress Report or Load Capacity Data Sheets on File at Pacific Scientific

Filed Per NCA 3256

Design Specifications Certified by (1) Leo E. Ay PE State California

Reg No. 13533

Stress Analysis Report or Load Capacity Data Sheets Certified by (1) Leo E. Ay

PE State California Reg No. 13533

*(1) List name only, signature not required

Supplemental sheets in form of lists, sketches or drawings may be used provided (1) size is 8 1/2 in., (2) information in items 1, 2, 4, 5, 6, 7, 8, 9, 10 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.

*PUN
8-5-85*

FORM NF-1 (Back)

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 OHIO and employed by HSBT&T Co. of Hartford, CT have inspected the component supports described in this Data Report on MAY 26 1983 and state that to the best of my knowledge and belief the NPT Certificate Holder has constructed these component supports in accordance with the ASME Code for Nuclear Power Plant Components.

By signing this certificate, neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the component supports 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 26 1983

Signed *Raymond Regan* Commissions CA-1513/Ohio Commission
(Nat'l Bd., State, Prov., and No.)

CERTIFICATION OF FIELD INSPECTION

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 supports and state that the parts referred to as data items _____, not included in the certificate of shop inspection, have been inspected by me and that to the best of my knowledge and belief the NPT Certificate Holder has constructed these component supports in accordance with the ASME Code for Nuclear Power Plant Components.

By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the component supports 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 _____
(Nat'l Bd., State, Prov., and No.)

Page 3-585

FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS
As Required by the Provisions of the ASME Code Section XI

1. Owner Carolina Power & Light Company Date June 27, 2000
Name
P.O. Box 1551, Raleigh, N. C. 27602-1551 Sheet 1 of 2
Address
2. Plant Shearon Harris Nuclear Power Plant Unit 1
Name
P.O. Box 165, New Hill, N. C. 27562-0165 WR/JO 99-AATC1
Address Repair Organization P.O. No., Job No., etc.
3. Work Performed by Carolina Power & Light Company Type Code Symbol Stamp N/A
Name
P.O. Box 165 New Hill, N.C. 27562-0165 Authorization No. N/A
Address Expiration Date N/A
4. Identification of System: Reactor Coolant ASME III, CLASS 1
5. (a) Applicable Construction Code ASME Sect. III 19 74 Edition, Winter 76 Addenda, N/A Code Case
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 89, Addenda NO

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
Snubber	Pacific Scientific	11102	N/A	RC-H-100	1981	Replaced	No
Snubber	Pacific Scientific	9022	N/A	RC-H-100	1979	Replacement	No

7. Description of Work: Snubber replacement.

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

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8½ 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-2 (Back)

9. Remarks: _____
Applicable Manufacturer's Date 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 No. N/A Expiration Date N/A

Signed Dazim Song for Equipment Performance Supervisor Date 6/27/00
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of North Carolina and employed by Hartford Steam Boiler Inspection and Insurance Company of One State Street, Hartford Connecticut 06102 have inspected the components described in this Owner's Report during the period 11-29-98 to 5-12-00, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

[Signature] Commissions NB 9291ABN1, NC 1444
Inspector's Signature National Board, State, Province, and Endorsements

Date 6-29 20 00

FORM NF-1 NPT CERTIFICATE HOLDERS' DATA REPORT FOR COMPONENT SUPPORTS*
 As Required by the Provisions of the ASME Code Rules, Section III, Division 1 *SUPPLEMENT

1. Manufactured by Pacific Scientific Kin-Tech Division
1346 South State College Blvd, Anaheim, California 92803
(Name and address of NPT Certificate Holder)

2. Manufacturer for ITT GRINNELL CORPORATION 621 Dana Street N.E. Warren, Ohio 44481
(Name and address of purchaser or owner)

3. Location of Installation Unknown

4. Identification

(a) Component Support I.D. No.	(b) Canadian Registration No.	(c) Applicable Drawings with Last Rev & Date	(d) Stress Report or Load Capacity Data Sheet	(e) Type of Component Support	(f) Class	(g) Nat'l Board No.	(h) Year Built
(1) 9013,	None	1801102-05-J	DR-1351-Rev. A	Linear	1	None	1979
(2) 9014,	"	"	"	"	"	"	"
(3) 9021,	"	"	"	"	"	"	"
(4) 9022,	"	"	"	"	"	"	"
(5) 9023,	"	"	"	"	"	"	"
(6) 9036,	"	"	"	"	"	"	"
(7) 9099,	"	"	"	"	"	"	"
(8)							
(9)							

5. Remarks: *Inspection Test Reports, CMTR's and Certificate of Conformance
are also certified to meet ASME SEC III 1974 Edition, Summer 1976
Addenda

CERTIFICATE OF COMPLIANCE

We certify that the statements made in this report are correct and that these components supports conform to the rules of construction of the ASME Code for Nuclear Power Plant Components, Section III, Division 1, Edition 1977, Addenda Winter '78
(Date)

Code Case No. 1644-5
 Date 2/7/85 Signed Pacific Scientific by [Signature]
(NPT Certificate Holder)

Our ASME Certificate of Authorization No. N-1198 to use the "NPT"
(NPT)

Symbol expires Aug. 4, 1987
(Date)

CERTIFICATION OF DESIGN

Design Information on File at Pacific Scientific

Stress Report or Load Capacity Data Sheets on File at Pacific Scientific
Filed Per NCA 3256

Design Specifications Certified by (1) Leo E. Ay PE State California

Reg No. 13533

Stress Analysis Report or Load Capacity Data Sheets Certified by (1) Leo E. Ay
13533

PE State California Reg No. 13533

(1) List name only, signature not required.

* Supplemental sheets in form of lists, sketches or drawings may be used provided (1) size is 8 1/2 in., (2) information in items 1, 2 & 4g 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

FORM NF-1 (Back)

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 California and employed by HSBI&I Co. of Hartford, CT

have inspected the component supports described in this Data Report on _____ and state that to the best of my knowledge and belief the NPT Certificate Holder has constructed these component supports in accordance with the ASME Code for Nuclear Power Plant Components.

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

Date 2.7.85

Signed Walter F. Reyes Commissions CA 1526 CHD COMM.
(Nat'l Bd., State, Prov., and No.)

CERTIFICATION OF FIELD INSPECTION

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 supports and state ~~that~~ the parts referred to as data items _____, not included in the certificate of shop inspection, have been inspected by me and that to the best of my knowledge and belief the NPT Certificate Holder has constructed these component supports in accordance with the ASME Code for Nuclear Power Plant Components.

By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the component supports 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 _____
(Nat'l Bd. State, Prov. and No.)

Handwritten: PFM 9-4-85

FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS
As Required by the Provisions of the ASME Code Section XI

1. Owner Carolina Power & Light Company Date July 25, 2000
Name

P.O. Box 1551, Raleigh, N. C. 27602-1551 Sheet 1 of 2
Address

2. Plant Shearon Harris Nuclear Power Plant Unit 1
Name

P.O. Box 165, New Hill, N. C. 27562-0165 WR/JO 97-AJQK1
Address Repair Organization P.O. No., Job No., etc.

3. Work Performed by Carolina Power & Light Company Type Code Symbol Stamp N/A
Name

P.O. Box 165 New Hill, N.C. 27562-0165 Authorization No. N/A
Address Expiration Date N/A

4. Identification of System: Reactor Coolant ASME III, CLASS 1

5. (a) Applicable Construction Code ASME Sect. III 19 74 Edition, WINTER 1976 Addenda, N/A Code Case

(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 89.

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
RPV Studs	CBI Nuclear Company	N/A	N/A	723-499-62	1975	Replaced	N/A
RPV Studs	CBI Nuclear Company	N/A	N/A	723-499-62	1975	Replacement	N/A

7. Description of Work: Replaced three RPV studs.

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

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8½ 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.
(12/82)

FORM NIS-2 (Back)

9. Remarks: _____
Applicable Manufacturer's Date 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 No. N/A Expiration Date N/A

Signed Dominic Jones for Equipment Performance Supervisor Date 7/25/00
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of North Carolina and employed by Hartford Steam Boiler Inspection and Insurance Company of One State Street, Hartford Connecticut 06102 have inspected the components described in this Owner's Report during the period 11-29-98 to 5-12-00, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

[Signature] Commissions NB 9291ABNI, NC 1444
Inspector's Signature National Board, State, Province, and Endorsements

Date 7-27 2000

FORM N-1 MANUFACTURERS' DATA REPORT FOR NUCLEAR VESSELS
 Alternate Form for Single Chamber Completely Shop-Fabricated Vessels Only
 As required by the Provisions of the ASME Code Rules

HLW 4/23/75

1. Manufactured by CBI Nuclear Company Memphis, Tennessee (CBI Contract 71-2633)
(Name and address of Manufacturer)

2. Manufactured for Westinghouse Electric Corp. (WAPD No. 150118)
(Name and address of Purchaser)

3. Type Vert. Vessel No. (T41) (---) Natl. Bd. No. 5 Year Built 1975
(Horiz. or Vert.) (Mrs. Serial) (State & State No.)

3a. Applicable ASME Code: Section III, Edition 1971, Addenda date Winter '71, Case No. None Class 1
SA533 GR B

4. Shell: Material Class 1 T.S. 80000 Nom. 7 3/4 In. Allow. * In. Dia. 13 Ft. 1 In. Length 39 Ft. 8 1/2 In.
(Kind & Spec. No.) (Min. of range specified)

5. Seams: Long Welded H.T.¹ PWHT R.T. Yes Efficiency 100 %
 Dbl Butt
 Girth Welded H.T.¹ PWHT R.T. Yes No. of Courses 3 (Nozzle shell course thk=9 1/4")

6. Heads: (a) Material SA533 GR B Class 1 T.S. 80000 (b) Material SA533 GRB Class 1 T.S. 80000

Location (Top, bottom, ends)	Thickness	Crown Radius	Knuckle Radius	Elliptical Ratio	Conical Apex Angle	Hemispherical Radius	Flat Diameter	Side to Pressure (Convex or Concave)
(a) Top Head	5 3/4	-	-	-	-	74 13/32	-	Concave
(b) Bott Head	4 7/8	-	-	-	-	79 3/32	-	Concave

If removable, bolts used 58-6" Ø Studs SA540 GR B24 Other fastening N/A
(Material, Spec. No., T.S., Size, Number) (Describe or Attach Sketch)

Oper. Pressure P=2235 T=620°F Drop Weight. +40°F Hydrostatic
 Charpy impact. 30 ft-lb } Test Press 3125 psi.
 7. Design Pressure 2485 psi at max. temp. 650°F. at temp. of +40°F.

8. Safety or Relief Valve Outlets: Number - Size - Location To be installed by user

9. Nozzles:

Purpose (Inlet, Outlet, Drain)	Number	Dia. or Size	Type	Material	Thickness	Reinforcement Material	How Attached
Inlet	3	32.5x27.5 ID	Insert	SA508CL2	13.0	Integral	Dbl Butt Weld
Outlet	3	34.24x29.0ID	Insert	SA508CL2	9.5	Integral	Dbl Butt Weld

10. Inspection Manholes, No. N.A. Size --- Location ---
 Openings: Handholes, No. N.A. Size --- Location ---
 Threaded, No. N.A. Size --- Location ---

11. Supports: Skirt No Lugs --- Legs --- Other 6 pads Attached Weld build up underside each nozzle
(Yes or No) (Number) (Number) (Number) (Describe) (Where & How)

12. Remarks: Vent 1 1" Sch. 160 Pipe SB-167 .250" None Welded
Instr. Nozzle 50 1 1/2" O.D. x .600 I.D. Tube SB-166 .450" None Welded
CRDM Housing 65 4" O.D. x 2.75 I.D. Tube SB-167 .625" None Welded
See Form N-2 for parts not fabricated at Memphis (Nuclear Reactor Vessel)

(Brief description of purpose of the vessel—State Contents.)

¹If Postweld Heat-Treated.
²List other internal or external pressure with coincident temperature when applicable.

We certify that the statements made in this report are correct and that this nuclear vessel conforms to the rules of construction of the ASME Code, Section III.
 Date 6-4 19 75 Signed CBI Nuclear Company By W.S. Caldwell
(Manufacturer)

Certificate of Authorization Expires May 3, 1975 ** Certificate of Authorization No. N-402

CERTIFICATION OF DESIGN

Design information on file at Chicago Bridge & Iron Co., Houston, Texas
 Stress analysis report on file at Chicago Bridge & Iron Co., Houston, Texas
 Design specifications certified by Leonard Katz Prof. Eng. State Pa. Reg. No. 04478-E
 Stress analysis report certified by Gary Marine Prof. Eng. State Ill. Reg. No. 6231491

CERTIFICATE OF SHOP INSPECTION

VESSEL MADE BY CBI Nuclear Company at Memphis, Tenn.
 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 Tennessee and employed by Hartford Steam Boiler I&I Co. Hartford, Conn.
 have inspected the pressure vessel described in this Manufacturer's Data Report on 6-7 19 75, and state that to the best of my knowledge and belief, the Manufacturer has constructed this pressure vessel 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 pressure vessel described in this Manufacturer'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 6-4 19 75 Inspector's Signature W. S. Caldwell Commission NB 7763 National Board, State, Province and No.

Printed in U.S.A. (7/71) This form (E39) is obtainable from the ASME, 345 E. 47th St., New York, N.Y. 10017
 *Inside of vessel, heads and nozzles clad with austenitic stainless steel 1/8" minimum thickness.
 **Certificate of Authorization extended to June 16, 1975 by ASME letter dated 11/4/74.

0 3 7 5 4 3 0 3 1 6

FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS
As Required by the Provisions of the ASME Code Section XI

1. Owner Carolina Power & Light Company Date July 18, 2000
Name
P.O. Box 1551, Raleigh, N. C. 27602-1551 Sheet 1 of 2
Address
2. Plant Shearon Harris Nuclear Power Plant Unit 1
Name
P.O. Box 165, New Hill, N. C. 27562-0165 WR/JO 00-ABWY3
Address Repair Organization P.O. No., Job No., etc.
3. Work Performed by Carolina Power & Light Company Type Code Symbol Stamp N/A
Name
P.O. Box 165 New Hill, N.C. 27562-0165 Authorization No. N/A
Address Expiration Date N/A
4. Identification of System: Charging System ASME III, CLASS 1
5. (a) Applicable Construction Code ASME Sect. III 19 74 Edition, WINTER 1976 Addenda, N/A Code Case
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 89, Addenda NO

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
Valve	Westinghouse	(0300CS880000 20005740001)	W18336	1CS-483	N/A	Repair	No

7. Description of Work: Seal welded cap on valve 1CS-483.
8. Tests Conducted: Hydrostatic Pneumatic Nominal Operating Pressure
Other Pressure _____ psi Test Temp. _____ °F

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8½ 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.
(2/82)

FORM NIS-2 (Back)

9. Remarks: _____
Applicable Manufacturer's Date Reports to be attached

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp N/A

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

Signed Dagun Jones for Equipment Performance Supervisor Date 7/18/00
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of North Carolina and employed by Hartford Steam Boiler Inspection and Insurance Company of One State Street, Hartford Connecticut 06102 have inspected the components described in this Owner's Report during the period 11-29-98 to 5-12-00, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

[Signature] Commissions NB 9291ABNI, NC 1444
Inspector's Signature National Board, State, Province, and Endorsements

Date 7/18 2000

CYCLE 9

CLASS 2
NIS-2 FORMS

Cycle 9 NIS-2

WR/JO NUMBER	TAG	ESR NUMBER	ASME CODE CLASS	COMMENTS
99-AARS1	BD-H-40B	N/A	2	Replacement
99-AASG1	FW-H-221A	N/A	2	Replacement
99-AATA1	FW-H-581	N/A	2	Replacement
99-AAAZ1	1CS-E042	98-00540	2	Replacement
99-ACPB1	1AF-68	99-00098	2	Replacement
98-AIRQ1	1CS-467	N/A	2	Replacement
99-AASS1	RH-H-206B	N/A	2	Replacement
99-AAST1	SI-H-162A	N/A	2	Replacement
99-AASU1	SI-H-162B	N/A	2	Replacement
99-AASW1	SI-H-272B	N/A	2	Replacement
99-AHMY1	N/A	97-00233	2	Replacement
99-AHMY2	N/A	97-00233	2	Replacement
99-AHMY3	N/A	97-00233	2	Replacement
99-AHMY4	N/A	97-00233	2	Replacement
99-AHMY5	N/A	97-00233	2	Replacement
99-AHMY6	N/A	97-00233	2	Replacement
99-AHMY7	N/A	97-00233	2	Replacement
99-AHMY8	N/A	97-00233	2	Replacement
99-AHMY9	N/A	97-00233	2	Replacement
99-AHMYB	N/A	97-00233	2	Replacement
99-AHMYC	N/A	97-00233	2	Replacement
99-AHMYE	N/A	97-00233	2	Replacement
99-AHMYF	N/A	97-00233	2	Replacement
99-AHMYG	N/A	97-00233	2	Replacement
99-AHMYH	N/A	97-00233	2	Replacement
99-AHMYI	N/A	97-00233	2	Replacement
99-ABXS7	1FW-PIPING	97-00233	2	Replacement
99-ABXS8	1FW-PIPING	97-00233	2	Replacement
99-ABXS9	1FW-PIPING	97-00233	2	Replacement
99-AHET3	RH-H-0177	N/A	2	Replacement
99-ACUH1	1ED-119	N/A	2	Replacement
99-AATE3	AF-H-320	N/A	2	Replacement
97-AIIK1	1MS-58	99-00031	2	Replacement

WR/JO NUMBER	TAG	ESR NUMBER	ASME CODE CLASS	COMMENTS
97-AIIM1	iMS-60	99-00031	2	Replacement
97-AIIP1	1MS-62	99-00031	2	Replacement
99-AARD1	AF-H-328A	N/A	2	Replacement
99-AARB1	AF-H-391A	N/A	2	Replacement
99-AARC1	AF-H-391B	N/A	2	Replacement
99-AARE1	AF-H-390A	N/A	2	Replacement
99-AARF1	AF-H-390B	N/A	2	Replacement
99-AASK1	MS-H-6A	N/A	2	Replacement
99-AASL1	MS-H-28B	N/A	2	Replacement
99-AATB1	MS-H-1390	N/A	2	Replacement
99-ABKU1	1AF-65	N/A	2	Replacement
99-AFIC2	1CS-38	N/A	2	Replacement
99-ABXU3	N/A	97-00233	2	Replacement
99-ABXX3	N/A	97-00233	2	Replacement
99-ABXY3	N/A	97-00233	2	Replacement
98-AHRG1	2SW10-34SA-1	N/A	2	Replacement
98-AHRG2	2SW10-34SA-1	N/A	2	Replacement
98-AHRG3	2SW10-34SA-1	N/A	2	Replacement
98-AHRG4	2SW10-34SA-1	N/A	2	Replacement
99-AHXU1	AF-H-485	N/A	2	Replacement
99-ABYG1	1FW-217	97-00233	2	Replacement
99-ABYH1	1FW-277	97-00233	2	Replacement
99-ABYI1	1FW-159	97-00233	2	Replacement
99-ABXU1	1FW-159	97-00233	2	Replacement
99-ABXX1	1FW-277	97-00233	2	Replacement
99-ABXY1	1FW-217	97-00233	2	Replacement
99-AHQN1	1SP-40	N/A	2	Repair
99-AICJ1	RH-H-21	N/A	2	Replacement
99-AASR1	RH-H-316B	N/A	2	Replacement
99-AATE2	1AF-HANGERS	N/A	2	Replacement
99-AATE1	1AF-PIPING	N/A	2	Replacement
99-ABHQ1	1CT-65	N/A	2	Replacement
96-AEJN1	1CS-28	N/A	2	Replacement
00-ACBD1	SI-H-234	N/A	2	Replacement

Cycle 9 NIS-2

WR/JO NUMBER	TAG	ESR NUMBER	ASME CODE CLASS	COMMENTS
00-ACBW1	MS-H-77	N/A	2	Replacement
97-AIFF1	1CS-CSIPA	N/A	2	Replacement
99-AASA1	CS-H-39B	N/A	2	Replacement
99-AARZ1	CS-H-39A	N/A	2	Replacement
99-AARG1	BD-H-40A	N/A	2	Replacement
99-AART1	BD-H-590	N/A	2	Replacement
99-AASB1	CS-H-747A	N/A	2	Replacement
99-AASC1	CS-H-747B	N/A	2	Replacement
99-AASD1	CS-H-763	N/A	2	Replacement
99-AASF1	FW-H-126B	N/A	2	Replacement
99-AHQN3	W-S-6	N/A	2	Repair

FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS
As Required by the Provisions of the ASME Code Section XI

1. Owner Carolina Power & Light Company Date June 19, 2000
Name
P.O. Box 1551, Raleigh, N. C. 27602-1551 Sheet 1 of 2
Address
2. Plant Shearon Harris Nuclear Power Plant Unit 1
Name
P.O. Box 165, New Hill, N. C. 27562-0165 WR/JO 99-AARS1
Address Repair Organization P.O. No., Job No., etc.
3. Work Performed by Carolina Power & Light Company Type Code Symbol Stamp N/A
Name
P.O. Box 165 New Hill, N.C. 27562-0165 Authorization No. N/A
Address Expiration Date N/A
4. Identification of System: Blowdown ASME III, CLASS 2
5. (a) Applicable Construction Code ASME Sect. III 19 74 Edition, Winter 1976 Addenda, Code Case N/A
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 89, Addenda NO
6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
Snubber	Pacific Scientific	10973	N/A	BD-H-40B	1980	Replaced	No
Snubber	Pacific Scientific	14408	N/A	BD-H-40B	1981	Replacement	No

7. Description of Work: Snubber replacement.

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

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8½ 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-2 (Back)

9. Remarks: _____
Applicable Manufacturer's Date 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 No. N/A Expiration Date N/A

Signed 1 [Signature] Equipment Performance Supervisor Date 6/19/00
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of North Carolina and employed by Hartford Steam Boiler Inspection and Insurance Company of One State Street, Hartford Connecticut 06102 have inspected the components described in this Owner's Report during the period 11-29-98 to 5-12-00, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

[Signature] Commissions NB 9291ABNI, NC 1444
Inspector's Signature National Board, State, Province, and Endorsements

Date 6-29 2000

FORM NP-1 NPT CERTIFICATE HOLDERS' DATA REPORT FOR COMPONENT SUPPORTS
As Required by the Provisions of the ASME Code Rules, Section III, Division 1

1. Manufactured by Pacific Scientific 1346 S. State College Blvd., Anaheim, Ca. 92803
(Name and address of NPT Certificate holder)
2. Manufacturer for Southeast Fabricating & Welding Co., Inc. P.O. Box 9449, Houston, Texas 77011
(Name and address of purchaser or owner)
3. Location of installation Edasco Services, Inc. Shearson Harris Nuclear Plants Newhill, Wake County, N. Carolina
4. Identification 27562

(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)
Component Support I.D. No.	Canadian Registration No.	Applicable Drawings with Last Rev. & Date	Stress Report or Load Case City Date Sheet	Type of Component Support	Class	Nat'l Board No.	Year Built
14242-14341	None	DR-1351-Rev. A	Linear	I	None	1981	
14359-14408	None	1801102-05-K	DR-1351-Rev. A	I	None	1981	

- (12)
- (11)
- (10)
- (9)
- (8)
- (7)
- (6)
- (5)
- (4)
- (3)
- (2)
- (1)

CERTIFICATE OF COMPLIANCE

We certify that the statements made in this report are correct and that these components supports conform to the rules of construction of the ASME Code for Nuclear Power Plant Components, Section III, Division 1, Edition 1977, Addenda Summer 78 (Code)

Code Case No. 1644-5 dated 3/4/81

Date Aug. 4, 1981

Our ASME Certificate of Authorization No. 1198 to use the Component Supports

Symbol 1198

CERTIFICATION OF DESIGN

Design Information on File at Pacific Scientific

Stress Report or Load Capacity Data Sheets on File at Pacific Scientific

Filed per NA 3256

Design Specifications (Cited by (1)) Leo E. Ay California

Reg No. 13533

Stress Analysis Report or Load Capacity Data Sheets (Cited by (1)) Leo E. Ay

PE State California Reg No. 13533

(1) License only, signature not required

Supplemental sheets in form of lists, sketches or drawings may be used provided (1) size is 8 1/2 in. (2) information in items 1 & 2 of 4c, 4g 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

This form (E00725) may be obtained from the Order Dept., ASME, 345 E. 47th St., New York, N.Y. 10017

CERTIFICATE OF SHOP INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State of Province of California and employed by HSBI&T Co. of Hartford, CT have inspected the component supports described in this Data Report on 3/10 to 81 and state that to the best of my knowledge and belief the NPT Certificate Holder has constructed these component supports in accordance with the ASME Code for Nuclear Power Plant Components

By signing this certificate, neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the component supports 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 3/10/81
Signed William Meyer Commissions Ca #1494
(Nat'l Bd., State, Prov., and No.)

CERTIFICATION OF FIELD 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 _____ and employed by _____ of _____ have compared the statements in this Data Report with the described component supports and state that the parts referred to as data items _____ not included in the certificate of shop inspection have been inspected by me and that to the best of my knowledge and belief the NPT Certificate Holder has constructed these component supports in accordance with the ASME Code for Nuclear Power Plant Components

By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the component supports 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 _____
(Nat'l Bd., State, Prov., and No.)

037

FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS
As Required by the Provisions of the ASME Code Section XI

1. Owner Carolina Power & Light Company Date June 19, 2000
Name
P.O. Box 1551, Raleigh, N. C. 27602-1551 Sheet 1 of 2
Address
2. Plant Shearon Harris Nuclear Power Plant Unit 1
Name
P.O. Box 165, New Hill, N. C. 27562-0165 WR/JO 99-AASG1
Address Repair Organization P.O. No., Job No., etc.
3. Work Performed by Carolina Power & Light Company Type Code Symbol Stamp N/A
Name
P.O. Box 165 New Hill, N.C. 27562-0165 Authorization No. N/A
Address Expiration Date N/A
4. Identification of System: Feedwater ASME III, CLASS 2
5. (a) Applicable Construction Code ASME Sect. III 19 74 Edition, Winter 1976 Addenda, Code Case N/A
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 89, Addenda NO
6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
Snubber	Pacific Scientific	12069	N/A	FW-H-221A	1980	Replaced	No
Snubber	Pacific Scientific	17544	N/A	FW-H-221A	1981	Replacement	No

7. Description of Work: Snubber replacement.

8. Tests Conducted: Hydrostatic Pneumatic Nominal Operating Pressure
Other Pressure _____ psi Test Temp. _____ of

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8½ 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-2 (Back)

9. Remarks: _____
Applicable Manufacturer's Date 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 No. N/A Expiration Date N/A

Signed Dorin Dong Equipment Performance Supervisor Date 6/19/00
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of North Carolina and employed by Hartford Steam Boiler Inspection and Insurance Company of One State Street, Hartford Connecticut 06102 have inspected the components described in this Owner's Report during the period 11-29-98 to 5-12-00, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

[Signature] Commissions NB 9291ABNI, NC 1444
Inspector's Signature National Board, State, Province, and Endorsements

Date 6-29 2000

FORM NPT-1 NPT CERTIFICATE HOLDING DATA REPORT FOR COMPONENT SUPPORTS
 As Required by the Provisions of the ASME Code Rules, Section III, Division 1

1. Manufactured by Pacific Scientific 1346 S. State College Blvd. Anaheim, Ca. 92803
(Name and address of NPT Certificate Holder)

2. Manufacturer for Southwest Fabricatings & Welding Co., Inc.
P.O. Box 9449, Houston, Texas 77011
(Name and address of purchaser or owner)

3. Location of Installation Unknown

4. Identification

(a) Component Support I.D. No.	(b) Canadian Registration No.	(c) Applicable Drawings with Last Rev. & Date	(d) Stress Report or Load Capacity Data Sheet	(e) Type of Component Support	(f) Class	(g) Nat'l Board No.	(h) Year Built
(1) 17438-17587	None	1801106-05-J	DR-1350-Rev. B	Linear	1	None	1981
(2)							
(3)							
(4)							
(5)							
(6)							
(7)							
(8)							
(9)							
(10)							

5. Remarks: _____

4170
0732

CERTIFICATE OF COMPLIANCE

We certify that the statements made in this report are correct and that these components supports conform to the rules of construction of the ASME Code for Nuclear Power Plant Components, Section III, Division 1, Edition 1977, Addenda Summer '78
(Date)
 Code Case No. 1644-6
 Date 5/14/81 Signed Pacific Scientific by *Frankie A. Nava*
(NPT Certificate Holder)
 Our ASME Certificate of Authorization No. N-1198 to use the Component Supports
(NPT)
 Symbol expires Aug. 4, 1981
(Date)

CERTIFICATION OF DESIGN

Design Information on File at Pacific Scientific
 Stress Report or Load Capacity Data Sheets on File at Pacific Scientific
 Filed Per NA 3256
 Design Specifications Certified by (1) Leo E. Ay PE State California
 Reg. No. 13533
 Stress Analysis Report or Load Capacity Data Sheets Certified by (1) Leo E. Ay
 PE State California Reg No 13533
(1) List name only, signature not required

Supplemental sheets in form of lists, sketches or drawings may be used provided (1) size is 8 1/2 in., (2) information in items 1, 2, 4c, 4g 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

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 California and employed by HSBI&I Co. of Hartford, CT

have inspected the component supports described in this Data Report on 5-14 1981 and state that to the best of my knowledge and belief the NPT Certificate Holder has constructed these component supports in accordance with the ASME Code for Nuclear Power Plant Components.

By signing this certificate, neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the component supports 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 5-14-81

Signed William Meyer Commissions Ca #1494
(Nat'l Bd., State, Prov., and No.)

CERTIFICATION OF FIELD INSPECTION

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 supports and state that the parts referred to as data items _____, not included in the certificate of shop inspection, have been inspected by me and that to the best of my knowledge and belief the NPT Certificate Holder has constructed these component supports in accordance with the ASME Code for Nuclear Power Plant Components.

By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the component supports 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 _____
(Nat'l Bd., State, Prov., and No.)

7
4
3
2
1

FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS
As Required by the Provisions of the ASME Code Section XI

1. Owner Carolina Power & Light Company Date June 19, 2000
Name
P.O. Box 1551, Raleigh, N. C. 27602-1551 Sheet 1 of 2
Address
2. Plant Shearon Harris Nuclear Power Plant Unit 1
Name
P.O. Box 165, New Hill, N. C. 27562-0165 WR/JO 99-AATA1
Address Repair Organization P.O. No., Job No., etc.
3. Work Performed by Carolina Power & Light Company Type Code Symbol Stamp N/A
Name
P.O. Box 165 New Hill, N.C. 27562-0165 Authorization No. N/A
Address Expiration Date N/A
4. Identification of System: Feedwater ASME III, CLASS 2
5. (a) Applicable Construction Code ASME Sect.III 19 74 Edition, Winter 1976 Addenda, Code Case N/A
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 89, Addenda NO

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
Snubber	Pacific Scientific	11051	N/A	FW-H-581	1980	Replaced	No
Snubber	Pacific Scientific	11013	N/A	FW-H-581	1980	Replacement	No

7. Description of Work: Snubber replacement.

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

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8½ 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-2 (Back)

9. Remarks: _____
Applicable Manufacturer's Date 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 No. N/A Expiration Date N/A

Signed Dayun Gong Equipment Performance Supervisor Date 6/19/00
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of North Carolina and employed by Hartford Steam Boiler Inspection and Insurance Company of One State Street, Hartford Connecticut 06102 have inspected the components described in this Owner's Report during the period 11-29-98 to 5-12-00, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

[Signature] Commissions NB 9291ABNI, NC 1444
Inspector's Signature National Board, State, Province, and Endorsements

Date 6-29 2000

FORM NP-1 NPT CERTIFICATE HOLDERS' DATA REPORT FOR COMPONENT SUPPORTS*
As Required by the Provisions of the ASME Code Rules, Section III, Division 1

1. Manufactured by Pacific Scientific 1346 S. State College Blvd. Anaheim, Ca. 92803
(Name and address of NPT Certificate Holder)
2. Manufacturer for Southwest Fabricating & Welding Co., Inc. P.O. Box 9449 Houston Texas 77011
Ebasco Services, Inc. Agents for: (Name and address of purchaser or owner) Carolina Power & Light
3. Location of Installation Shearon Harris Nuclear Plants, Newhill, Wake County, N. Carolina 27562

4. Identification

(a) Component Support I. D. No.	(b) Canadian Registration No.	(c) Applicable Drawings with Last Rev. & Date	(d) Stress Report or Load Capacity Data Sheet	(e) Type of Component Support	(f) Class	(g) Nat'l Board No.	(h) Year Built
(1) <u>10913-</u>	<u>None</u>	<u>1801102-05-J</u>	<u>DR1351-A</u>	<u>Linear</u>	<u>1</u>	<u>None</u>	<u>1980</u>
(2) <u>11117</u>							
(3) _____							
(4) _____							
(5) _____							
(6) _____							
(7) _____							
(8) _____							
(9) _____							
(10) _____							

5. Remarks _____

CERTIFICATE OF COMPLIANCE

We certify that the statements made in this report are correct and that these components supports conform to the rules of construction of the ASME Code for Nuclear Power Plant Components, Section III, Division 1, Edition 1977, Addenda Summer '78
(Date)
Code Case No. 1644-6
Date 23 May 1980 Signed Pacific Scientific by Bill Jenkins
(NPT Certificate Holder)
Our ASME Certificate of Authorization No. 1193 to use the Component Supports
(NPT)
Symbol expires Aug. 4, 1981
(Date)

CERTIFICATION OF DESIGN

Design Information on File at Pacific Scientific
Stress Report or Load Capacity Data Sheets on File at Pacific Scientific
Filed Per NA 3256
Design Specifications Certified by (1) Leo E. Ay PE State California
Reg No. 13533
Stress Analysis Report or Load Capacity Data Sheets Certified by (1) Leo E. Ay
PE State California Reg No. 13533
(1) List name only, signature not required

* Supplemental sheets in form of lists, sketches or drawings may be used provided (1) size is 8" x 11", (2) information in items 1, 2, 4c, 4g 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

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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 California and employed by HSB&T Co. of Hartford, CT have inspected the component supports described in this Data Report on 5/23/80 and state that to the best of my knowledge and belief the NPT Certificate Holder has constructed these component supports in accordance with the ASME Code for Nuclear Power Plant Components

By signing this certificate, neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the component supports 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 5/23/80

Signed William Meyer

Commissioner

Co #1494

(National, State, Prov. and No.)

CERTIFICATION OF FIELD INSPECTION

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 supports and state that the parts referred to as data items _____ not included in the certificate of shop inspection have been inspected by me and that to the best of my knowledge and belief the NPT Certificate Holder has constructed these component supports in accordance with the ASME Code for Nuclear Power Plant Components

By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the component supports 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

Commissioner

(National, State, Prov. and No.)

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0

FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS
As Required by the Provisions of the ASME Code Section XI

1. Owner Carolina Power & Light Company Date 04-28-99
Name
P.O. Box 1551, Raleigh, N. C. 27602-1551 Sheet 1 of 2
Address
2. Plant Shearon Harris Nuclear Power Plant Unit 1
Name
P.O. Box 165, New Hill, N. C. 27562-0165 WR/JO 99-AAAZ1
Address Repair Organization P.O. No., Job No., etc.
3. Work Performed by Carolina Power & light Company Type Code Symbol Stamp N/A
Name
P.O. Box 165 New Hill, N.C. 27562-0165 Authorization No. N/A
Address Expiration Date N/A
4. Identification of System: 2060 - CHEMICAL AND VOLUME CONTROL SYSTEM ASME III, CLASS 2
5. (a) Applicable Construction Code ASME Sect. III 19 74 Edition, WINTER 1976 Addenda, N/A Code Case
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 89, Addenda NO

6. Identification of Components Repaired and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
SEAL PLATE	DUBOSE NATIONAL ENERGY SERVICES	N/A	N/A	P/N 732-843-25 PO # 8G7285 HT # Y0263-4BB	1985	REPLACEMENT	NO

7. Description of Work: Installed a 1/2" thick Stainless steel plate on the inside of "B" Seal injection filter

8. Tests Conducted: Hydrostatic Pneumatic Nominal Operating Pressure
Other Pressure 2730 psig Test Temp. 110 °F

9. Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 82 in. x 11 (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-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS
As Required by the Provisions of the ASME Code Section XI

1. Owner Carolina Power & Light Company Date 04-29-99
Name
P.O. Box 1551, Raleigh, N. C. 27602-1551 Sheet 1 of 2
Address
2. Plant Shearon Harris Nuclear Power Plant Unit 1
Name
P.O. Box 165, New Hill, N. C. 27562-0165 WR/JO 99-ACPB1
Address Repair Organization P.O. No., Job No., etc.
3. Work Performed by Carolina Power & light Company Type Code Symbol Stamp N/A
Name
P.O. Box 165 New Hill, N.C. 27562-0165 Authorization No. N/A
Address Expiration Date N/A
4. Identification of System: 3065 - AUXILIARY FEEDWATER SYSTEM (TAG 1AF-68) ASME III, CLASS 2
5. (a) Applicable Construction Code ASME Sect. III 19 74 Edition, WINTER 1976 Addenda, N/A Code Case
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 89, Addenda NO

6. Identification of Components Repaired and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
VALVE 1AF-68	ANCHOR/DARLING VALVE CO.	E-9074-1-3	190	BODY HT.#F7780 S/N R7209	1980	REPAIRED	YES
8"SCH 80 PIPE CAP	DUBOSE NATIONAL ENERGY SERVICES, INC	N/A	N/A	P/N 761-524-04 PO # 8Q8108 HT CODE LK4TB HT # 61506	1998	REPLACED	NO

7. Description of Work: ENCAPSULATED BODY TO BONNET LEAK BY ADDING 8" PIPE CAP OVER BONNET ON VALVE 1AF-68.
8. Tests Conducted: Hydrostatic Pneumatic Nominal Operating Pressure
Other Pressure 1580 psig Test Temp. 80 °F

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

FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS
As Required by the Provisions of the ASME Code Section XI

1. Owner Carolina Power & Light Company Date July 25, 2000
Name
P.O. Box 1551, Raleigh, N. C. 27602-1551 Sheet 1 of 2
Address

2. Plant Shearon Harris Nuclear Power Plant Unit 1
Name
P.O. Box 165, New Hill, N. C. 27562-0165 WR/JO 98-AIRQ1
Address Repair Organization P.O. No., Job No., etc.

3. Work Performed by Carolina Power & Light Company Type Code Symbol Stamp N/A
Name
P.O. Box 165 New Hill, N.C. 27562-0165 Authorization No. N/A
Address Expiration Date N/A

4. Identification of System: Charging System ASME III, CLASS 2

5. (a) Applicable Construction Code ASME Sect. III 19 74 Edition, WINTER 1976 Addenda, N/A Code Case

(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 89

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
Relief Valve	Crosby Valve & Gage Co.	N56964-00-0002	127	N/A	N/A	Replaced	N/A
Relief Valve	Crosby Valve & Gage Co.	N56964-00-0052	309	726-668-03	N/A	Replacement	N/A

7. Description of Work: Replaced relief valve 1CS-467.

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

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8½ 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-2 (Back)

9. Remarks: _____
Applicable Manufacturer's Date 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 No. N/A Expiration Date N/A

Signed Dorcas Dors for Equipment Performance Supervisor Date 7/25/00
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of North Carolina and employed by Hartford Steam Boiler Inspection and Insurance Company of One State Street, Hartford Connecticut 06102 have inspected the components described in this Owner's Report during the period 11-29-98 to 5-12-00, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

[Signature] Commissions NB 9291ABNI, NC 1444
Inspector's Signature National Board, State, Province, and Endorsements

Date 7-27 2000

CROSBY

CROSBY VALVE & GAGE COMPANY WRENTHAM, MASS

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

Q.C.-44C

DATA REPORT Safety and Safety Relief Valves

1. Manufactured By Crosby Valve & Gage Co., 43 Kendrick St., Wrentham, Mass. 02093
JB-25- Name and Address

Model No. TD-WR Order No. N302961 Contract Date 3/30/73 National Board No. 309
Westinghouse Electric Corp., Nuclear Energy Systems,

2. Manufactured For P.O. Box 355, Pittsburgh, Pa. 15230 Order No. 546-CCX-183434-BN
Name and Address

3. Owner Carolina Power & Light Co., Shearon Harris Nuclear Power Plant #3
Name and Address

4. Location of Plant Bonsal, North Carolina

5. Valve Identification RV-3-8121 CTL Serial No. N56900-00-0052 Drawing No. DS-C-56900 Rev. A

Type Relief Orifice Size J Pipe Size --- Inlet 2 Outlet 3
Safety, Safety Relief, Pilot, Power Actuated Inch Inch Inch Inch

6. Set Pressure (PSIG) 150 Rated Temperature 250° F

Stamped Capacity 225 GPM Water @ 10 % Overpressure Blowdown ~~XPSIX~~ 10% of S.P.

Hydrostatic Test (PSIG) Inlet 425 Outlet 425
~~XPSIX~~

7. The material, design, construction and workmanship comply with ASME Code, Section III.

Class 2 Edition 1971, Addenda Date Winter 1972, Case No. _____

Pressure Containing or Pressure Retaining Components

	Serial No. Identification	Material Specification Including Type or Grade
a. Castings		
Body	<u>N90135-46-0075</u>	<u>ASTM A351-72 Gr. CF8M ASME SA351 Gr. CF8M</u>
Bonnet	<u>N90449-37-0053</u>	<u>ASME SA216 Gr. WCB</u>
b. Bar Stock and Forgings		
Support Rods		
Nozzle	<u>N90137-49-0158</u>	<u>ASME SA479 Type 316</u>
Disc Insert	<u>N90448-39-0139</u>	<u>ASME SA479 Type 316</u>
Spring Washers	<u>N88634-47-0329</u> <u>N88634-48-0365</u>	<u>ASTM A193-71 Gr. B6 ASME SA193 Gr. B6</u>
Adjusting Bolt	<u>N88635-45-0197</u>	<u>ASTM A193-70 Gr. B6 ASME SA193 Gr. B6</u>
Spindle <u>K55162-41-0127</u>	<u>N88669-41-0127</u>	<u>ASTM A193-75 Gr. B6 ASME SA193 Gr. B6</u>

892172273

08741 1728

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892172274

	Serial No. or Identification	Material Specification Including Type or Grade
c. Spring	<u>NX2605-0066</u>	<u>ASTM A313-70 Type 316</u>
d. Bolting	_____	_____
e. Other Parts such as Pilot Components	_____	_____
	_____	_____
	_____	_____
	_____	_____
	_____	_____
	_____	_____
	_____	_____
	_____	_____
	_____	_____
	_____	_____
	_____	_____

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

Date 5-17 19 77 Signed Crosby Valve & Gage Co. By [Signature]
Manufacturer QA Manager

Certificate of Authorization No. 926 expires October 28, 1977

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 Mass. and employed by Factory Mutual Systems*, Norwood, Mass. have inspected the equipment described in this Data Report on 7-27 19 77 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 7-27 19 77
[Signature] Commissions NB7325
(Inspector) National Board, State, Province and No.)

*Arkwright-Boston Manufacturers Mutual Insurance Company - Mutual Boiler & Machinery Division.

FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS
As Required by the Provisions of the ASME Code Section XI

1. Owner Carolina Power & Light Company Date June 19, 2000
Name

P.O. Box 1551, Raleigh, N. C. 27602-1551 Sheet 1 of 2
Address

2. Plant Shearon Harris Nuclear Power Plant Unit 1
Name

P.O. Box 165, New Hill, N. C. 27562-0165 WR/JO 99-AASS1
Address Repair Organization P.O. No., Job No., etc.

3. Work Performed by Carolina Power & Light Company Type Code Symbol Stamp N/A
Name

P.O. Box 165 New Hill, N.C. 27562-0165 Authorization No. N/A
Address Expiration Date N/A

4. Identification of System: Low Head Safety Injection ASME III, CLASS 2

5. (a) Applicable Construction Code ASME Sect. III 19 74 Edition, Winter 1976 Addenda, Code Case N/A

(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 89, Addenda NO

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
Snubber	Pacific Scientific	9530	N/A	RH-H-206B	1979	Replaced	No
Snubber	Pacific Scientific	7004	N/A	RH-H-206B	1979	Replacement	No

7. Description of Work: Snubber replacement.

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

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8½ 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-2 (Back)

9. Remarks: _____
Applicable Manufacturer's Data Reports to be attached

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp N/A

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

Signed Doyun Chung Equipment Performance Supervisor Date 6/19/00
Owner or Owner's Designee Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of North Carolina and employed by Hartford Steam Boiler Inspection and Insurance Company of One State Street, Hartford Connecticut 06102 have inspected the components described in this Owner's Report during the period 11-29-98 to 5-12-00, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

[Signature] Commissions NB 9291ABNI, NC 1444
Inspector's Signature National Board, State, Province, and Endorsements

Date 6-29 2000

FORM NF-1 NPT CERTIFICATE HOLDERS' DATA REPORT FOR COMPONENT SUPPORTS
 As Required by the Provisions of the ASME Code Rules, Section III, Division 1

1. Manufactured by Pacific Scientific 1346 S. State College Blvd. Anaheim, Ca. 92803
(Name and address of NPT Certificate holder)

2. Manufacturer for ITT Grinnell Corp. 621 Dana Street N.E., Warren, Ohio 44481
(Name and address of purchaser or owner)

3. Location of Installation Unknown

4. Identification

(a) Component Support I.D. No.	(b) Canadian Registration No.	(c) Applicable Drawings with Last Rev. & Date	(d) Stress Report or Load Capacity Data Sheet	(e) Type of Component Support	(f) Class	(g) Nat'l Board No.	(h) Year Built
(1) 6985-7047	None	1801104-05-E	DR-1348- Rev. B	Linear	1	None	1979
(2)							
(3)							
(4)							
(5)							
(6)							
(7)							
(8)							
(9)							
(10)							

Remarks: _____

CERTIFICATE OF COMPLIANCE

We certify that the statements made in this report are correct and that these component supports conform to the rules of construction of the ASME Code for Nuclear Power Plant Components, Section III, Division 1, Edition 74, Addenda Winter 174
(Date)
 Code Case No. 2544-5
 Date 13 June 1979 Signed Pacific Scientific by Bill Calkins
(NPT Certificate holder)
 Our ASME Certificate of Authorization No. 1108 to use the Component Supports
(NPT)
 Symbol expires AUG. 4, 1981
(Date)

CERTIFICATION OF DESIGN

Design information on file at Pacific Scientific
 Stress Report or Load Capacity Data Sheets on file at
Pacific Scientific
 Filed Per NA 3256
 Design Specifications Certified by Leo E. Ay PE State California
 Reg. No. 13533
 Stress Analysis Report or Load Capacity Data Sheets Certified by Leo E. Ay
 PE State California Reg. No. 13533
(*) List name only, signature not required

* 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, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 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, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100 is included on each sheet, and (3) each sheet is numbered and number of sheets is recorded at top of this form.

Handwritten: 10/25/80

FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS
As Required by the Provisions of the ASME Code Section XI

1. Owner Carolina Power & Light Company Date June 19, 2000
Name
P.O. Box 1551, Raleigh, N. C. 27602-1551 Sheet 1 of 2
Address

2. Plant Shearon Harris Nuclear Power Plant Unit 1
Name
P.O. Box 165, New Hill, N. C. 27562-0165 WR/JO 99-AAST1
Address Repair Organization P.O. No., Job No., etc.

3. Work Performed by Carolina Power & light Company Type Code Symbol Stamp N/A
Name
P.O. Box 165 New Hill, N.C. 27562-0165 Authorization No. N/A
Address Expiration Date N/A

4. Identification of System: Safety Injection ASME III, CLASS 2

5. (a) Applicable Construction Code ASME Sect. III 19 74 Edition, Winter 1976 Addenda, Code Case N/A
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 89, Addenda NO

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
Snubber	Pacific Scientific	18634	N/A	SI-H-162A	1981	Replaced	No
Snubber	Pacific Scientific	18610	N/A	SI-H-162A	1981	Replacement	No

7. Description of Work: Snubber replacement.

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

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8½ 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-2 (Back)

9. Remarks: _____
Applicable Manufacturer's Date 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 No. N/A Expiration Date N/A

Signed *Darin Dong* Equipment Performance Supervisor Date 6/19/00
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of North Carolina and employed by Hartford Steam Boiler Inspection and Insurance Company of One State Street, Hartford Connecticut 06102 have inspected the components described in this Owner's Report during the period 11-29-98 to 5-12-00, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

[Signature] Commissions NB 9291ABNI, NC 1444
Inspector's Signature National Board, State, Province, and Endorsements

Date 6-29 2000

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 California and employed by HSRISI Co. of Hartford, CT

have inspected the component supports described in this Data Report on 8-4 and state that to the best of my knowledge and belief the NPT Certificate Holder has constructed these component supports in accordance with the ASME Code for Nuclear Power Plant Components

By signing this certificate, neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the component supports 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 8-4-81
Signed G. Swafek Commissions Ca 1445
(Nat'l Bd., State, Prov., and No.)

CERTIFICATION OF FIELD INSPECTION

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 _____

at the parts referred to as data items _____, not included in the certificate of shop inspection, have been inspected by me and that to the best of my knowledge and belief the NPT Certificate Holder has constructed these component supports in accordance with the ASME Code for Nuclear Power Plant Components

By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the component supports 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 _____
(Nat'l Bd., State, Prov., and No.)

FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS
As Required by the Provisions of the ASME Code Section XI

1. Owner Carolina Power & Light Company Date June 19, 2000
Name
P.O. Box 1551, Raleigh, N. C. 27602-1551 Sheet 1 of 2
Address
2. Plant Shearon Harris Nuclear Power Plant Unit 1
Name
P.O. Box 165, New Hill, N. C. 27562-0165 WR/JO 99-AASU1
Address Repair Organization P.O. No., Job No., etc.
3. Work Performed by Carolina Power & Light Company Type Code Symbol Stamp N/A
Name
P.O. Box 165 New Hill, N.C. 27562-0165 Authorization No. N/A
Address Expiration Date N/A
4. Identification of System: Safety Injection ASME III, CLASS 2
5. (a) Applicable Construction Code ASME Sect. III 1974 Edition, Winter 1976 Addenda, Code Case N/A
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 89, Addenda NO
6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
Snubber	Pacific Scientific	16448	N/A	SI-H-162B	1981	Replaced	No
Snubber	Pacific Scientific	12499	N/A	SI-H-162B	1980	Replacement	No

7. Description of Work: Snubber replacement.

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

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8½ 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-2 (Back)

9. Remarks: _____
Applicable Manufacturer's Date 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 No. N/A Expiration Date N/A

Signed *Dustin Jones* Equipment Performance Supervisor Date 6/20/00
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of North Carolina and employed by Hartford Steam Boiler Inspection and Insurance Company of One State Street, Hartford Connecticut 06102 have inspected the components described in this Owner's Report during the period 11-29-98 to 5-12-00, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

[Signature] Commissions NB 9291ABNI, NC 1444
Inspector's Signature National Board, State, Province, and Endorsements

Date 6-29 2000

FORM NPT-NPT CERTIFICATE HOLDERS' DATA REPORT FOR COMPONENT SUPPORTS*
 As Required by the Provisions of the ASME Code Rules, Section III, Division 1

1. Manufactured by Pacific Scientific 1346 S. State College Blvd. Anaheim, Ca. 92803
(Name and address of NPT Certificate Holder)

2. Manufacturer for Southwest Fabricating & Welding Co., Inc. P.O. Box 9449 Houston, Texas 77011
Ebasco Services, Inc. Agents for: (Name and address of purchaser or owner) 27562

3. Location of Installation Carolina Power & Light Shearon Harris Nuclear Plants, Newhill, Wake County, N. Carolina

4. Identification

(a) Component Support I. O. No.	(b) Canadian Registration No.	(c) Applicable Drawings with Last Rev. & Date	(d) Stress Report or Load Capacity Data Sheet	(e) Type of Component Support	(f) Class	(g) Nat'l Board No.	(h) Year Built
(1) 12473-12614	None	1801106-C5-H	DR-1350-Rev. B	Linear	1	None	1980
(2) _____	_____	_____	_____	_____	_____	_____	_____
(3) _____	_____	_____	_____	_____	_____	_____	_____
(4) _____	_____	_____	_____	_____	_____	_____	_____
(5) _____	_____	_____	_____	_____	_____	_____	_____
(6) _____	_____	_____	_____	_____	_____	_____	_____
(7) _____	_____	_____	_____	_____	_____	_____	_____
(8) _____	_____	_____	_____	_____	_____	_____	_____
(9) _____	_____	_____	_____	_____	_____	_____	_____
(10) _____	_____	_____	_____	_____	_____	_____	_____

5. Remarks _____

CERTIFICATE OF COMPLIANCE

We certify that the statements made in this report are correct and that these components supports conform to the rules of construction of the ASME Code for Nuclear Power Plant Components, Section III, Division 1, Edition '77 Addenda Summer '78
(Date)

Code Case No. 1644-6

Date 9 MAY 1980 Signed Pacific Scientific by Bill Jenkins
(NPT Certificate Holder)

Our ASME Certificate of Authorization No. 1198 to use the Component Supports
(NPT)

Symbol expires Aug. 4, 1980
(Date)

CERTIFICATION OF DESIGN

Design Information on File at Pacific Scientific

Stress Report or Load Capacity Data Sheets on File at Pacific Scientific

Filed Per NA 3256

Design Specifications Certified by (1) Leo E. Ay PE State California

Reg. No. 13533

Stress Analysis Report or Load Capacity Data Sheets Certified by (1) Leo E. Ay

PE State California Reg. No. 13533

(1) List name only, signature not required

* 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, 4c, 4g 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.

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 California and employed by HSBI&I Co. of Hartford, CT

have inspected the component supports described in this Data Report on 5/9 1980 and state that to the best of my knowledge and belief the NPT Certificate Holder has constructed these component supports in accordance with the ASME Code for Nuclear Power Plant Components

By signing this certificate, neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the component supports 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 5/9/80
 Signed William Meyer Commissions Ca # 1494
(Nat'l Bd., State, Prov., and No.)

CERTIFICATION OF FIELD INSPECTION

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 supports and state that the parts referred to as data items _____ not included in the certificate of shop inspection, have been inspected by me and that to the best of my knowledge and belief the NPT Certificate Holder has constructed these component supports in accordance with the ASME Code for Nuclear Power Plant Components

By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the component supports 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 _____
(Nat'l Bd., State, Prov., and No.)

4 1 5 9

FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS
As Required by the Provisions of the ASME Code Section XI

1. Owner Carolina Power & Light Company Date June 21, 2000
Name
P.O. Box 1551, Raleigh, N. C. 27602-1551 Address Sheet 1 of 2
2. Plant Shearon Harris Nuclear Power Plant Unit 1
Name
P.O. Box 165, New Hill, N. C. 27562-0165 Address WR/JO 99-AASW1
Repair Organization P.O. No., Job No., etc.
3. Work Performed by Carolina Power & Light Company Type Code Symbol Stamp N/A
Name
P.O. Box 165 New Hill, N.C. 27562-0165 Address Authorization No. N/A
Expiration Date N/A
4. Identification of System: Safety Injection ASME III, CLASS 2
5. (a) Applicable Construction Code ASME Sect. III 19 74 Edition, Winter 1976 Addenda, Code Case N/A
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 89, Addenda NO
6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
Snubber	Pacific Scientific	6532	N/A	SI-H-272B	1979	Replaced	No
Snubber	Pacific Scientific	13326	N/A	SI-H-272B	1982	Replacement	No

7. Description of Work: Snubber replacement.

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

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8½ 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-2 (Back)

9. Remarks: _____
Applicable Manufacturer's Date 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 No. N/A Expiration Date N/A

Signed Dustin Jung for Equipment Performance Supervisor Date 6/21/00
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of North Carolina and employed by Hartford Steam Boiler Inspection and Insurance Company of One State Street, Hartford Connecticut 06102 have inspected the components described in this Owner's Report during the period 11-29-98 to 5-12-00, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

[Signature] Commissions NB 9291ABNI, NC 1444
Inspector's Signature National Board, State, Province, and Endorsements

Date 6-29 2000

#10

FORM NF-1 NPT CERTIFICATE HOLDERS' DATA REPORT FOR COMPONENT SUPPORTS*

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

1 Manufactured by Pacific Scientific 1346 S. State College Blvd. Anaheim, Ca. 92803
(Name and address of NPT Certificate Holder)

2 Manufacturer for ITT Grinnell Corporation 621 Dana Street N.E. Warren, Ohio 44481
(Name and address of purchaser or owner)

3 Location of Installation Unknown

4 Identification

(a) Component Support I.D. No.	(b) Canadian Registration No.	(c) Applicable Drawings with Last Rev. & Date	(d) Stress Report or Load Capacity Data Sheet	(e) Type of Component Support	(f) Class	(g) Nat'l Board No.	(h) Year Built
13316	None	1801103-07-I	DR 1416 Rev. 0	Linear	1	None	1982
thru							
13501							

5 Remarks: Inspection Test Reports, OMP's and Certificate of Conformance reviewed and meet ASME Sec III 1974 Edition, Summer '76 Addenda and Code Case 1644-6.

CERTIFICATE OF COMPLIANCE

We certify that the statements made in this report are correct and that these components supports conform to the rules of construction of the ASME Code for Nuclear Power Plant Components, Section III, Division 1, Edition 1977, Addenda Winter '78 (Date)

Code Case No. 1644-7

Date 7-22-82 Signed Pacific Scientific by Rodolfo A. Nava
(NPT Certificate Holder)

ASME Certificate of Authorization No. 1198 to use the "NPT" (NPT)

Symbol expires Aug. 4, 1984 (Date)

ITT GRINNELL CORP.
Warren Quality Assurance

CERTIFICATION OF DESIGN

AUG 05 1982

Design Information on File at Pacific Scientific

Stress Report or Load Capacity Data Sheets on File at Pacific Scientific

Filed Per NCA 3256

Design Specifications Certified by (1) Leo E. Ay PE State California

Reg. No. 13533

Stress Analysis Report or Load Capacity Data Sheets Certified by (1) Leo E. Ay

PE State California Reg. No. 13533

List name only, signature not required.

REVIEWED BY [Signature]

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

PJM
11/23/82

CERTIFICATE OF SHOP INSPECTION

The undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of OHIO and employed by HSBI&T Co. of Hartford, CT have inspected the component supports described in this Data Report on JUL 23 1982 and state that to the best of my knowledge and belief the NPT Certificate Holder has constructed these component supports in accordance with the ASME Code for Nuclear Power Plant Components.

By signing this certificate, neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the component supports 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 JUL 23 1982

Signed *[Signature]* Commissions CA-1573 / OHIO COMMISSION
(Nat'l Bd., State, Prov., and No.)

CERTIFICATION OF FIELD INSPECTION

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 supports and state that the parts referred to as data items _____, not included in the certificate of shop inspection, have been inspected by me and that to the best of my knowledge and belief the NPT Certificate Holder has constructed these component supports in accordance with the ASME Code for Nuclear Power Plant Components.

By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the component supports 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 _____
(Nat'l Bd., State, Prov., and No.)

[Handwritten]
11/23/85

FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS
As Required by the Provisions of the ASME Code Section XI

1. Owner Carolina Power & Light Company Date May 4, 2000
Name
P.O. Box 1551, Raleigh, N. C. 27602-1551 Sheet 1 of 2
Address
2. Plant Shearon Harris Nuclear Power Plant Unit 1
Name
P.O. Box 165, New Hill, N. C. 27562-0165 WR/JO 99-AHMY1
Address Repair Organization P.O. No., Job No., etc.
3. Work Performed by Carolina Power & Light Company Type Code Symbol Stamp N/A
Name
P.O. Box 165 New Hill, N.C. 27562-0165 Authorization No. N/A
Address Expiration Date N/A
4. Identification of System: Feedwater ASME III, CLASS 2
5. (a) Applicable Construction Code ASME Sect. III 1974 Edition, WINTER 1976 Addenda, N/A Code Case
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 89, Addenda NO
6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
Pipe Support	CP&L	N/A	N/A	FW-H-00850	2000	Replacement	No
Pipe Support	CP&L	N/A	N/A	FW-H-00832	2000	Replacement	No
Pipe Support	CP&L	N/A	N/A	FW-H-00814	2000	Replacement	No
Pipe Support	CP&L	N/A	N/A	FW-H-00860	2000	Replacement	No
Pipe Support	CP&L	N/A	N/A	FW-H-00840	2000	Replacement	No
Pipe Support	CP&L	N/A	N/A	FW-H-00823	2000	Replacement	No

7. Description of Work: Installation of new pipe supports.
8. Tests Conducted: Hydrostatic Pneumatic Nominal Operating Pressure
Other Pressure _____ psi Test Temp. _____ °F

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8½ 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-2 (Back)

9. Remarks: Pipe supports were fabricated and installed per ESR 97-00233.
Applicable Manufacturer's Date 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 No. N/A Expiration Date N/A

Signed Darwin Perry for Equipment Performance Supervisor Date 6/19/00
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of North Carolina and employed by Hartford Steam Boiler Inspection and Insurance Company of One State Street, Hartford Connecticut 06102 have inspected the components described in this Owner's Report during the period 11-29-98 to 5-12-00, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

[Signature] Commissions NB 9291ABN1, NC 1444
Inspector's Signature National Board, State, Province, and Endorsements

Date 6-19 2000

FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS
As Required by the Provisions of the ASME Code Section XI

1. Owner Carolina Power & Light Company Date May 4, 2000
Name

P.O. Box 1551, Raleigh, N. C. 27602-1551 Sheet 1 of 2
Address

2. Plant Shearon Harris Nuclear Power Plant Unit 1
Name

P.O. Box 165, New Hill, N. C. 27562-0165 WR/JO 99-AHMY2
Address Repair Organization P.O. No., Job No., etc.

3. Work Performed by Carolina Power & Light Company Type Code Symbol Stamp N/A
Name

P.O. Box 165 New Hill, N.C. 27562-0165 Authorization No. N/A
Address Expiration Date N/A

4. Identification of System: Feedwater ASME III, CLASS 2

5. (a) Applicable Construction Code ASME Sect. III 1974 Edition, WINTER 1976 Addenda, N/A Code Case

(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 89, Addenda NO

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
Pipe Support	CP&L	N/A	N/A	FW-H-00822	2000	Replacement	No
Pipe Support	CP&L	N/A	N/A	FW-H-00839	2000	Replacement	No
Pipe Support	CP&L	N/A	N/A	FW-H-00859	2000	Replacement	No
Pipe Support	CP&L	N/A	N/A	FW-H-00813	2000	Replacement	No
Pipe Support	CP&L	N/A	N/A	FW-H-00831	2000	Replacement	No
Pipe Support	CP&L	N/A	N/A	FW-H-00849	2000	Replacement	No

7. Description of Work: Installation of new pipe supports.

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

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8½ 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-2 (Back)

9. Remarks: Pipe supports were fabricated and installed per ESR 97-00233.
Applicable Manufacturer's Date 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 No. N/A Expiration Date N/A

Signed *Dorin Jones* for Equipment Performance Supervisor Date 6/19/00
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of North Carolina and employed by Hartford Steam Boiler Inspection and Insurance Company of One State Street, Hartford Connecticut 06102 have inspected the components described in this Owner's Report during the period 11-29-98 to 5-12-00, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

[Signature] Commissions NB 9291ABNI, NC 1444
Inspector's Signature National Board, State, Province, and Endorsements

Date 6-19 2000

FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS
As Required by the Provisions of the ASME Code Section XI

1. Owner Carolina Power & Light Company Date May 4, 2000
Name
P.O. Box 1551, Raleigh, N. C. 27602-1551 Sheet 1 of 2
Address
2. Plant Shearon Harris Nuclear Power Plant Unit 1
Name
P.O. Box 165, New Hill, N. C. 27562-0165 WR/JO 99-AHMY3
Address Repair Organization P.O. No., Job No., etc.
3. Work Performed by Carolina Power & Light Company Type Code Symbol Stamp N/A
Name
P.O. Box 165 New Hill, N.C. 27562-0165 Authorization No. N/A
Address Expiration Date N/A
4. Identification of System: Feedwater ASME III, CLASS 2
5. (a) Applicable Construction Code ASME Sect. III 1974 Edition, WINTER 1976 Addenda, N/A Code Case
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 89, Addenda NO
6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
Pipe Support	CP&L	N/A	N/A	FW-H-00821	2000	Replacement	No
Pipe Support	CP&L	N/A	N/A	FW-H-00812	2000	Replacement	No
Pipe Support	CP&L	N/A	N/A	FW-H-00838	2000	Replacement	No
Pipe Support	CP&L	N/A	N/A	FW-H-00830	2000	Replacement	No
Pipe Support	CP&L	N/A	N/A	FW-H-00858	2000	Replacement	No
Pipe Support	CP&L	N/A	N/A	FW-H-00848	2000	Replacement	No

7. Description of Work: Installation of new pipe supports.

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

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8½ 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-2 (Back)

9. Remarks: Pipe supports were fabricated and installed per ESR 97-00233.
Applicable Manufacturer's Date 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 No. N/A Expiration Date N/A

Signed Darin Perry for Equipment Performance Supervisor Date 6/19/00
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of North Carolina and employed by Hartford Steam Boiler Inspection and Insurance Company of One State Street, Hartford Connecticut 06102 have inspected the components described in this Owner's Report during the period 11-29-98 to 5-12-00, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

[Signature] Commissions NB 9291ABNI, NC 1444
Inspector's Signature National Board, State, Province, and Endorsements

Date 6-17 2000

FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS
As Required by the Provisions of the ASME Code Section XI

1. Owner Carolina Power & Light Company Date May 4, 2000
Name
P.O. Box 1551, Raleigh, N. C. 27602-1551 Sheet 1 of 2
Address
2. Plant Shearon Harris Nuclear Power Plant Unit 1
Name
P.O. Box 165, New Hill, N. C. 27562-0165 WR/JO 99-AHMY4
Address Repair Organization P.O. No., Job No., etc.
3. Work Performed by Carolina Power & light Company Type Code Symbol Stamp N/A
Name
P.O. Box 165 New Hill, N.C. 27562-0165 Authorization No. N/A
Address Expiration Date N/A
4. Identification of System: Feedwater ASME III, CLASS 2
5. (a) Applicable Construction Code ASME Sect. III 19 74 Edition, WINTER 1976 Addenda, N/A Code Case
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 89, Addenda NO
6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
Pipe Support	CP&L	N/A	N/A	FW-H-00820	2000	Replacement	No
Pipe Support	CP&L	N/A	N/A	FW-H-00837	2000	Replacement	No
Pipe Support	CP&L	N/A	N/A	FW-H-00857	2000	Replacement	No
Pipe Support	CP&L	N/A	N/A	FW-H-00847	2000	Replacement	No
Pipe Support	CP&L	N/A	N/A	FW-H-00829	2000	Replacement	No
Pipe Support	CP&L	N/A	N/A	FW-H-00811	2000	Replacement	No

7. Description of Work: Installation of new pipe supports.

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

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8½ 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-2 (Back)

9. Remarks: Pipe supports were fabricated and installed per ESR 97-00233.
Applicable Manufacturer's Date 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 No. N/A Expiration Date N/A

Signed Dorlan King for Equipment Performance Supervisor Date 6/19/00
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of North Carolina and employed by Hartford Steam Boiler Inspection and Insurance Company of One State Street, Hartford Connecticut 06102 have inspected the components described in this Owner's Report during the period 11-29-98 to 5-12-00, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

[Signature]
Inspector's Signature

Commissions NB 9291ABNI, NC 1444
National Board, State, Province, and Endorsements

Date 6-19 2000

FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS
As Required by the Provisions of the ASME Code Section XI

1. Owner Carolina Power & Light Company Date May 4, 2000
Name
P.O. Box 1551, Raleigh, N. C. 27602-1551 Sheet 1 of 2
Address
2. Plant Shearon Harris Nuclear Power Plant Unit 1
Name
P.O. Box 165, New Hill, N. C. 27562-0165 WR/JO 99-AHMY5
Address Repair Organization P.O. No., Job No., etc.
3. Work Performed by Carolina Power & Light Company Type Code Symbol Stamp N/A
Name
P.O. Box 165 New Hill, N.C. 27562-0165 Authorization No. N/A
Address Expiration Date N/A
4. Identification of System: Feedwater ASME III, CLASS 2
5. (a) Applicable Construction Code ASME Sect. III, 1974 Edition, WINTER 1976 Addenda, N/A Code Case
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 89, Addenda NO
6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
Pipe Support	CP&L	N/A	N/A	FW-H-00819	2000	Replacement	No
Pipe Support	CP&L	N/A	N/A	FW-H-00836	2000	Replacement	No
Pipe Support	CP&L	N/A	N/A	FW-H-00856	2000	Replacement	No
Pipe Support	CP&L	N/A	N/A	FW-H-00810	2000	Replacement	No
Pipe Support	CP&L	N/A	N/A	FW-H-00828	2000	Replacement	No
Pipe Support	CP&L	N/A	N/A	FW-H-00846	2000	Replacement	No

7. Description of Work: Installation of new pipe supports.

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

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8½ 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-2 (Back)

9. Remarks: Pipe supports were fabricated and installed per ESR 97-00233.
Applicable Manufacturer's Date 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 No. N/A Expiration Date N/A

Signed Dorjan Hoang for Equipment Performance Supervisor Date 6/19/00
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of North Carolina and employed by Hartford Steam Boiler Inspection and Insurance Company of One State Street, Hartford Connecticut 06102 have inspected the components described in this Owner's Report during the period 11-29-98 to 5-12-00; and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

[Signature] Commissions NB 9291ABNI, NC 1444
Inspector's Signature National Board, State, Province, and Endorsemen's

Date 6-20 2000

FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS
As Required by the Provisions of the ASME Code Section XI

1. Owner Carolina Power & Light Company Date May 4, 2000
Name
P.O. Box 1551, Raleigh, N. C. 27602-1551 Sheet 1 of 2
Address
2. Plant Shearon Harris Nuclear Power Plant Unit 1
Name
P.O. Box 165, New Hill, N. C. 27562-0165 WR/JO 99-AHMY6
Address Repair Organization P.O. No., Job No., etc.
3. Work Performed by Carolina Power & light Company Type Code Symbol Stamp N/A
Name
P.O. Box 165 New Hill, N.C. 27562-0165 Authorization No. N/A
Address Expiration Date N/A
4. Identification of System: Feedwater ASME III, CLASS 2
5. (a) Applicable Construction Code ASME Sect. III 1974 Edition, WINTER 1976 Addenda, N/A Code Case
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 89, Addenda NO
6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
Pipe Support	CP&L	N/A	N/A	FW-H-00809	2000	Replacement	No
Pipe Support	CP&L	N/A	N/A	FW-H-00818	2000	Replacement	No

7. Description of Work: Installation of new pipe supports.

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

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8½ 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-2 (Back)

9. Remarks: Pipe supports were fabricated and installed per ESR 97-00233.
Applicable Manufacturer's Date 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 No. N/A Expiration Date N/A

Signed Dagun Gong for Equipment Performance Supervisor Date 6/19/00
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of North Carolina and employed by Hartford Steam Boiler Inspection and Insurance Company of One State Street, Hartford Connecticut 06102 have inspected the components described in this Owner's Report during the period 11-29-98 to 5-12-00, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

[Signature] Commissions NB 9291ABNI, NC 1444
Inspector's Signature National Board, State, Province, and Endorsements

Date 6-20 2000

FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS
As Required by the Provisions of the ASME Code Section XI

1. Owner Carolina Power & Light Company Date May 4, 2000
Name
P.O. Box 1551, Raleigh, N. C. 27602-1551 Address Sheet 1 of 2
2. Plant Shearon Harris Nuclear Power Plant Unit 1
Name
P.O. Box 165, New Hill, N. C. 27562-0165 Address WR/JO 99-AHMY7
Repair Organization P.O. No., Job No., etc.
3. Work Performed by Carolina Power & Light Company Type Code Symbol Stamp N/A
Name
P.O. Box 165 New Hill, N.C. 27562-0165 Address Authorization No. N/A
Expiration Date N/A
4. Identification of System: Feedwater ASME III, CLASS 2
5. (a) Applicable Construction Code ASME Sect. III 1974 Edition, WINTER 1976 Addenda, N/A Code Case
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 89, Addenda NO

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
Pipe Support	CP&L	N/A	N/A	FW-H-00835	2000	Replacement	No
Pipe Support	CP&L	N/A	N/A	FW-H-00855	2000	Replacement	No
Pipe Support	CP&L	N/A	N/A	FW-H-00827	2000	Replacement	No
Pipe Support	CP&L	N/A	N/A	FW-H-00845	2000	Replacement	No

7. Description of Work: Installation of new pipe supports.

8. Tests Conducted: Hydrostatic Pneumatic Nominal Operating Pressure
Other Pressure _____ psi Test Temp. _____ of

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8½ 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-2 (Back)

9. Remarks: Pipe supports were fabricated and installed per ESR 97-00233.

Applicable Manufacturer's Date 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 No. N/A Expiration Date N/A

Signed Dexter Long for Equipment Performance Supervisor Date 6/19/00
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of North Carolina and employed by Hartford Steam Boiler Inspection and Insurance Company of One State Street, Hartford Connecticut 06102 have inspected the components described in this Owner's Report during the period 11-29-98 to 5-12-00, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

[Signature]
Inspector's Signature

Commissions NB 9291ABNI, NC 1444
National Board, State, Province, and Endorsements

Date 6-20 2000

FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS
As Required by the Provisions of the ASME Code Section XI

1. Owner Carolina Power & Light Company Date May 4, 2000
Name
P.O. Box 1551, Raleigh, N. C. 27602-1551 Sheet 1 of 2
Address
2. Plant Shearon Harris Nuclear Power Plant Unit 1
Name
P.O. Box 165, New Hill, N. C. 27562-0165 WR/JO 99-AHMY8
Address Repair Organization P.O. No., Job No., etc.
3. Work Performed by Carolina Power & light Company Type Code Symbol Stamp N/A
Name
P.O. Box 165 New Hill, N.C. 27562-0165 Authorization No. N/A
Address Expiration Date N/A
4. Identification of System: Feedwater ASME III, CLASS 2
5. (a) Applicable Construction Code ASME Sect.III 19 74 Edition, WINTER 1976 Addenda, N/A Code Case
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 89, Addenda NO

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
Pipe Support	CP&L	N/A	N/A	FW-H-00854	2000	Replacement	No
Pipe Support	CP&L	N/A	N/A	FW-H-00844	2000	Replacement	No

7. Description of Work: Installation of new pipe supports.

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

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8½ 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-2 (Back)

9. Remarks: Pipe supports were fabricated and installed per ESR 97-00233.
Applicable Manufacturer's Date 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 No. N/A Expiration Date N/A

Signed Doyun Dong for Equipment Performance Supervisor Date 6/19/00
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of North Carolina and employed by Hartford Steam Boiler Inspection and Insurance Company of One State Street, Hartford Connecticut 06102 have inspected the components described in this Owner's Report during the period 11-29-98 to 5-12-00, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

[Signature] Commissions NB 9291ABI, NC 1444
Inspector's Signature National Board, State, Province, and Endorsements

Date 6-20 2000

FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS
As Required by the Provisions of the ASME Code Section XI

1. Owner Carolina Power & Light Company Date May 4, 2000
Name
P.O. Box 1551, Raleigh, N. C. 27602-1551 Sheet 1 of 2
Address
2. Plant Shearon Harris Nuclear Power Plant Unit 1
Name
P.O. Box 165, New Hill, N. C. 27562-0165 WR/JO 99-AHMY9
Address Repair Organization P.O. No., Job No., etc.
3. Work Performed by Carolina Power & Light Company Type Code Symbol Stamp N/A
Name
P.O. Box 165 New Hill, N.C. 27562-0165 Authorization No. N/A
Address Expiration Date N/A
4. Identification of System: Feedwater ASME III, CLASS 2
5. (a) Applicable Construction Code ASME Sect. III 1974 Edition, WINTER 1976 Addenda, N/A Code Case
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 89, Addenda NO
6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
Pipe Support	CP&L	N/A	N/A	FW-H-00843	2000	Replacement	No
Pipe Support	CP&L	N/A	N/A	FW-H-00853	2000	Replacement	No

7. Description of Work: Installation of new pipe supports.

8. Tests Conducted: Hydrostatic Pneumatic Nominal Operating Pressure
Other Pressure _____ psi Test Temp. _____ of

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8½ 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-2 (Back)

9. Remarks: Pipe supports were fabricated and installed per ESR 97-00233.
Applicable Manufacturer's Date 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 No. N/A Expiration Date N/A

Signed Dayton Jones for Equipment Performance Supervisor Date 6/19/00
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of North Carolina and employed by Hartford Steam Boiler Inspection and Insurance Company of One State Street, Hartford Connecticut 06102 have inspected the components described in this Owner's Report during the period 11-29-98 to 5-12-00, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

[Signature] Commissions NB 9291ABNI, NC 1444
Inspector's Signature National Board, State, Province, and Endorsements

Date 6-20 2000

FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS
As Required by the Provisions of the ASME Code Section XI

1. Owner Carolina Power & Light Company Date May 4, 2000
Name
P.O. Box 1551, Raleigh, N. C. 27602-1551 Sheet 1 of 2
Address
2. Plant Shearon Harris Nuclear Power Plant Unit 1
Name
P.O. Box 165, New Hill, N. C. 27562-0165 WR/JD 99-AHMYB
Address Repair Organization P.O. No., Job No., etc.
3. Work Performed by Carolina Power & light Company Type Code Symbol Stamp N/A
Name
P.O. Box 165 New Hill, N.C. 27562-0165 Authorization No. N/A
Address Expiration Date N/A
4. Identification of System: Feedwater ASME III, CLASS 2
5. (a) Applicable Construction Code ASME Sect. III 19 74 Edition, WINTER 1976 Addenda, N/A Code Case
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 89, Addenda NO
6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
Pipe Support	CP&L	N/A	N/A	FW-H-00867	2000	Replacement	No
Pipe Support	CP&L	N/A	N/A	FW-H-00880	2000	Replacement	No

7. Description of Work: Installation of new pipe supports.
8. Tests Conducted: Hydrostatic Pneumatic Nominal Operating Pressure
Other Pressure _____ psi Test Temp. _____ of

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8½ 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-2 (Back)

9. Remarks: Pipe supports were fabricated and installed per ESR 97-00233.
Applicable Manufacturer's Date 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 No. N/A Expiration Date N/A

Signed Dayan Gony for Equipment Performance Supervisor Date 6/19/00
Owner of 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 North Carolina and employed by Hartford Steam Boiler Inspection and Insurance Company of One State Street, Hartford Connecticut 06102 have inspected the components described in this Owner's Report during the period 11-29-98 to 5-12-00, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

[Signature] Commissions NB 9291ABNI, NC 1444
Inspector's Signature National Board, State, Province, and Endorsements

Date 6-20 2000

FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS
As Required by the Provisions of the ASME Code Section XI

1. Owner Carolina Power & Light Company Date May 4, 2000
Name

P.O. Box 1551, Raleigh, N. C. 27602-1551 Sheet 1 of 2
Address

2. Plant Shearon Harris Nuclear Power Plant Unit 1
Name

P.O. Box 165, New Hill, N. C. 27562-0165 WR/JO 99-AHMYC
Address Repair Organization P.O. No., Job No., etc.

3. Work Performed by Carolina Power & light Company Type Code Symbol Stamp N/A
Name

P.O. Box 165 New Hill, N.C. 27562-0165 Authorization No. N/A
Address Expiration Date N/A

4. Identification of System: Feedwater ASME III, CLASS 2

5. (a) Applicable Construction Code ASME Sect. III 19 74 Edition, WINTER 1976 Addenda, N/A Code Case

(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 89, Addenda NO

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
Pipe Support	CP&L	N/A	N/A	FW-H-00872	2000	Replacement	No
Pipe Support	CP&L	N/A	N/A	FW-H-00879	2000	Replacement	No

7. Description of Work: Installation of new pipe supports.

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

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8½ 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-2 (Back)

9. Remarks: Pipe supports were fabricated and installed per ESR 97-00233.
Applicable Manufacturer's Date 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 No. N/A Expiration Date N/A

Signed Deyan Dong for Equipment Performance Supervisor Date 6/19/00
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of North Carolina and employed by Hartford Steam Boiler Inspection and Insurance Company of One State Street, Hartford Connecticut 06102 have inspected the components described in this Owner's Report during the period 11-29-98 to 5-12-00, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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[Signature] Commissions NB 9291ABNI, NC 1444
Inspector's Signature National Board, State, Province, and Endorsements

Date 6-20 2000

FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS
As Required by the Provisions of the ASME Code Section XI

1. Owner Carolina Power & Light Company Date May 4, 2000
Name
P.O. Box 1551, Raleigh, N. C. 27602-1551 Address Sheet 1 of 2
2. Plant Shearon Harris Nuclear Power Plant Unit 1
Name
P.O. Box 165, New Hill, N. C. 27562-0165 Address WR/JO 99-AHMYE
Repair Organization P.O. No., Job No., etc.
3. Work Performed by Carolina Power & Light Company Type Code Symbol Stamp N/A
Name
P.O. Box 165 New Hill, N.C. 27562-0165 Address Authorization No. N/A
Expiration Date N/A
4. Identification of System: Feedwater ASME III, CLASS 2
5. (a) Applicable Construction Code ASME Sect. III 1974 Edition, WINTER 1976 Addenda, N/A Code Case
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 89, Addenda NO
6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
Pipe Support	CP&L	N/A	N/A	FW-H-00877	2000	Replacement	No
Pipe Support	CP&L	N/A	N/A	FW-H-00871	2000	Replacement	No
Pipe Support	CP&L	N/A	N/A	FW-H-00866	2000	Replacement	No

7. Description of Work: Installation of new pipe supports.

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

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8½ 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-2 (Back)

9. Remarks: Pipe supports were fabricated and installed per ESR 97-00233.
Applicable Manufacturer's Date 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 No. N/A Expiration Date N/A

Signed Dayvin Jones for Equipment Performance Supervisor Date 6/19/00
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of North Carolina and employed by Hartford Steam Boiler Inspection and Insurance Company of One State Street, Hartford Connecticut 06102 have inspected the components described in this Owner's Report during the period 11-29-98 to 5-12-00, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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[Signature] Commissions NB 9291ABNI, NC 1444
Inspector's Signature National Board, State, Province, and Endorsements

Date 6-20 2000

FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS
As Required by the Provisions of the ASME Code Section XI

1. Owner Carolina Power & Light Company Date May 4, 2000
Name

P.O. Box 1551, Raleigh, N. C. 27602-1551 Sheet 1 of 2
Address

2. Plant Shearon Harris Nuclear Power Plant Unit 1
Name

P.O. Box 165, New Hill, N. C. 27562-0165 WR/JO 99-AHMYF
Address Repair Organization P.O. No.; Job No., etc.

3. Work Performed by Carolina Power & Light Company Type Code Symbol Stamp N/A
Name

P.O. Box 165 New Hill, N.C. 27562-0165 Authorization No. N/A
Address Expiration Date N/A

4. Identification of System: Feedwater ASME III, CLASS 2

5. (a) Applicable Construction Code ASME Sect. III 19 74 Edition, WINTER 1976 Addenda N/A Code Case

(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 89, Addenda NO

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
Pipe Support	CP&L	N/A	N/A	FW-H-00876	2000	Replacement	No
Pipe Support	CP&L	N/A	N/A	FW-H-00870	2000	Replacement	No
Pipe Support	CP&L	N/A	N/A	FW-H-00865	2000	Replacement	No

7. Description of Work: Installation of new pipe supports.

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

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8½ 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-2 (Back)

9. Remarks: Pipe supports were fabricated and installed per ESR 97-00233.
Applicable Manufacturer's Date 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 No. N/A Expiration Date N/A

Signed Darin Perry Equipment Performance Supervisor Date 6/19/00
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of North Carolina and employed by Hartford Steam Boiler Inspection and Insurance Company of One State Street, Hartford Connecticut 06102 have inspected the components described in this Owner's Report during the period 11-29-98 to 5-12-00, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

[Signature] Commissions NB 9291ABNI, NC 1444
Inspector's Signature National Board, State, Province, and Endorsements

Date 6-20 2000

FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS
As Required by the Provisions of the ASME Code Section XI

1. Owner Carolina Power & Light Company Name Date May 4, 2000

P.O. Box 1551, Raleigh, N. C. 27602-1551 Address Sheet 1 of 2

2. Plant Shearon Harris Nuclear Power Plant Name Unit 1

P.O. Box 165, New Hill, N. C. 27562-0165 Address WR/JO 99-AHMYG
Repair Organization P.O. No., Job No., etc.

3. Work Performed by Carolina Power & Light Company Name Type Code Symbol Stamp N/A

P.O. Box 165 New Hill, N.C. 27562-0165 Address Authorization No. N/A
Expiration Date N/A

4. Identification of System: Feedwater ASME III, CLASS 2

5. (a) Applicable Construction Code ASME Sect. III 1974 Edition, WINTER 1976 Addenda, N/A Code Case

(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 89, Addenda NO

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
Pipe Support	CP&L	N/A	N/A	FW-H-00875	2000	Replacement	No
Pipe Support	CP&L	N/A	N/A	FW-H-00869	2000	Replacement	No
Pipe Support	CP&L	N/A	N/A	FW-H-00864	2000	Replacement	No

7. Description of Work: Installation of new pipe supports.

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

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8½ 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-2 (Back)

9. Remarks: Pipe supports were fabricated and installed per ESR 97-00233.
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 No. N/A Expiration Date N/A

Signed Darin Gonyea Equipment Performance Supervisor Date 6/19/00
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of North Carolina and employed by Hartford Steam Boiler Inspection and Insurance Company of One State Street, Hartford Connecticut 06102 have inspected the components described in this Owner's Report during the period 11-29-98 to 5-12-00, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

[Signature] Commissions NB 9291ABNI, NC 1444
Inspector's Signature National Board, State, Province, and Endorsements

Date 6-20 2000

FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS
As Required by the Provisions of the ASME Code Section XI

1. Owner Carolina Power & Light Company Date May 4, 2000
Name

P.O. Box 1551, Raleigh, N. C. 27602-1551 Sheet 1 of 2
Address

2. Plant Shearon Harris Nuclear Power Plant Unit 1
Name

P.O. Box 165, New Hill, N. C. 27562-0165 WR/JO 99-AHMYH
Address Repair Organization P.O. No., Job No., etc.

3. Work Performed by Carolina Power & Light Company Type Code Symbol Stamp N/A
Name

P.O. Box 165 New Hill, N.C. 27562-0165 Authorization No. N/A
Address Expiration Date N/A

4. Identification of System: Feedwater ASME III, CLASS 2

5. (a) Applicable Construction Code ASME Sect. III 19 74 Edition, WINTER 1976 Addenda, N/A Code Case

(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 89, Addenda NO

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
Pipe Support	CP&L	N/A	N/A	FW-H-00874	2000	Replacement	No
Pipe Support	CP&L	N/A	N/A	FW-H-00868	2000	Replacement	No
Pipe Support	CP&L	N/A	N/A	FW-H-00863	2000	Replacement	No

7. Description of Work: Installation of new pipe supports.

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

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8½ 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-2 (Back)

9. Remarks: Pipe supports were fabricated and installed per ESR 97-00233.
Applicable Manufacturer's Date 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 No. N/A Expiration Date N/A

Signed Daxin Gong for Equipment Performance Supervisor Date 6/19/00
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of North Carolina and employed by Hartford Steam Boiler Inspection and Insurance Company of One State Street, Hartford Connecticut 06102 have inspected the components described in this Owner's Report during the period 11-29-98 to 5-12-00, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

[Signature] Commissions NB 9291ABNI, NC 1444
Inspector's Signature National Board, State, Province, and Endorsements

Date 6-20 20 00

FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS
As Required by the Provisions of the ASME Code Section XI

1. Owner Carolina Power & Light Company Date May 4, 2000
Name
P.O. Box 1551, Raleigh, N. C. 27602-1551 Sheet 1 of 2
Address
2. Plant Shearon Harris Nuclear Power Plant Unit 1
Name
P.O. Box 165, New Hill, N. C. 27562-0165 WR/JO 99-AHMYI
Address Repair Organization P.O. No., Job No., etc.
3. Work Performed by Carolina Power & Light Company Type Code Symbol Stamp N/A
Name
P.O. Box 165 New Hill, N.C. 27562-0165 Authorization No. N/A
Address Expiration Date N/A
4. Identification of System: Feedwater ASME III, CLASS 2
5. (a) Applicable Construction Code ASME Sect. III 19 74 Edition, WINTER 1976 Addenda, N/A Code Case
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 89, Addenda NO

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
Pipe Support	CP&L	N/A	N/A	FW-H-00873	2000	Replacement	No

7. Description of Work: Installation of new pipe supports.

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

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8½ 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-2 (Back)

9. Remarks: Pipe supports were fabricated and installed per ESR 97-00233.

Applicable Manufacturer's Date 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 No. N/A Expiration Date N/A

Signed Dustin Gertz for Equipment Performance Supervisor Date 6/19/00
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of North Carolina and employed by Hartford Steam Boiler Inspection and Insurance Company of One State Street, Hartford Connecticut 06102 have inspected the components described in this Owner's Report during the period 11-29-98 to 5-12-00, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

[Signature] Commissions NB 9291ABNI, NC 1444
Inspector's Signature National Board, State, Province, and Endorsements

Date 6-20 2000

FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS
As Required by the Provisions of the ASME Code Section XI

1. Owner Carolina Power & Light Company Date July 3, 2000
Name
P.O. Box 1551, Raleigh, N. C. 27602-1551 Sheet 1 of 2
Address
2. Plant Shearon Harris Nuclear Power Plant Unit 1
Name
P.O. Box 165, New Hill, N. C. 27562-0165 WR/JO 99-ABXS7
Address Repair Organization P.O. No., Job No., etc.
3. Work Performed by Carolina Power & light Company Type Code Symbol Stamp N/A
Name
P.O. Box 165 New Hill, N.C. 27562-0165 Authorization No. N/A
Address Expiration Date N/A
4. Identification of System: Feedwater ASME III, CLASS 2
5. (a) Applicable Construction Code ASME Sect. III 19.74 Edition, WINTER 1976 Addenda, N/A Code Case
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 89, Addenda NO

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
Valve	Flowserve Corp.	E867A-1-1	2213	PN# A2093 HT# 520616	N/A	Replacement	No
Flange	Dubose NES	N/A	N/A	PN# A2655 HT# C5292	N/A	Replacement	No
Pipe	Dubose NES	N/A	N/A	PN# 2705 HT# 446979	N/A	Replacement	No
Nut	Dubose NES	N/A	N/A	PN# 514-108-43 HT# LMQ	N/A	Replacement	No
Stud	Dubose NES	N/A	N/A	PN# 514-116-19 HT# NBA	N/A	Replacement	No
Elbow	Dubose NES	N/A	N/A	PN# 514-157-92 HT# APB	N/A	Replacement	No
Coupling	Dubose NES	N/A	N/A	PN# 514-178-22 HT# JDW	N/A	Replacement	No

7. Description of Work: Installation of new 2 inch nitrogen line and valve.

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

JTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8½ 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.
(12/82)

FORM NIS-2 (Back)

9. Remarks: Code Case N-416-1 used in lieu of Hydrostatic Test.
Applicable Manufacturer's Date Reports to be attached
New line numbers are 2FW2-192SAB-1, 2FW2-193SAB-1, 2FW2-194SAB-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 No. N/A Expiration Date N/A

Signed *Dorjin Dorj* for Equipment Performance Supervisor Date 7/11/00
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of North Carolina and employed by Hartford Steam Boiler Inspection and Insurance Company of One State Street, Hartford Connecticut 06102 have inspected the components described in this Owner's Report during the period 11-29-98 to 5-12-00, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

[Signature] Commissions NB 9291ABNI, NC 1444
Inspector's Signature National Board, State, Province, and Endorsements

Date 7-18 2000

Certificate Holder's Serial No. _____

8. Design conditions 720 (pressure) psi 100 (temperature) °F or valve pressure class 300 (1)

9. Cold working pressure 720 psi at 100°F

10. Hydrostatic test 1100 psi. Disk differential test pressure 792 psi

11. Remarks: Materials: Studs: HT# CR63889
Hex Nuts: HT# 30206, Trace Code: W12

CERTIFICATION OF DESIGN

Design Specification certified by Theron C. Bartlett II P.E. State PA Reg. no. PE-039036-E
Design Report certified by N/A 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. N1712 Expires 4/15/01
Date 10/27/99 Name Flowserve Corp. Signed RR Deeka
(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 Pennsylvania and employed by Commercial Union Ins. Co. of Boston, Mass. have inspected the pump, or valve, described in this Data Report on 273 thru 10-28-99, 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 10-28-99 Signed Charles Young Commissions Pennsylvania NB 9544 N 2392
Charles Young (Authorized Inspector) (Nat'l. Bd. (incl. endorsements) and state or prov. and no. 1)

(1) For manually operated valves only.

FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS
As Required by the Provisions of the ASME Code Section XI

1. Owner Carolina Power & Light Company Date July 3, 2000
Name
P.O. Box 1551, Raleigh, N. C. 27602-1551 Sheet 1 of 2
Address
2. Plant Shearon Harris Nuclear Power Plant Unit 1
Name
P.O. Box 165, New Hill, N. C. 27562-0165 WR/JO 99-ABXS8
Address Repair Organization P.O. No., Job No., etc.
3. Work Performed by Carolina Power & Light Company Type Code Symbol Stamp N/A
Name
P.O. Box 165 New Hill, N.C. 27562-0165 Authorization No. N/A
Address Expiration Date N/A
4. Identification of System: Feedwater ASME III, CLASS 2
5. (a) Applicable Construction Code ASME Sect. III 19 74 Edition, WINTER 1976 Addenda, N/A Code Case
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 89, Addenda NO
6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
Valve	Flowserve Corp.	E867A-1-2	2214	PN# A2093 HT# 520616	N/A	Replacement	No
Flange	Dubose NES	N/A	N/A	PN# A2655 HT# C5292	N/A	Replacement	No
Pipe	Dubose NES	N/A	N/A	PN# 2705 HT# 446979	N/A	Replacement	No
Nut	Dubose NES	N/A	N/A	PN# 514-108-43	N/A	Replacement	No
Stud	Dubose NES	N/A	N/A	PN# 514-116-19	N/A	Replacement	No
Elbow	Dubose NES	N/A	N/A	PN# 514-157-92 HT# A24	N/A	Replacement	No
Coupling	Dubose NES	N/A	N/A	PN# 514-178-22 HT# JDW	N/A	Replacement	No

7. Description of Work: Installation of new 2 inch nitrogen line and valve.

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

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8½ 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-2 (Back)

9. Remarks: Code Case N-416-1 used in lieu of Hydrostatic Test.
Applicable Manufacturer's Date Reports to be attached
New line numbers are 2FW2-195SAB-1, 2FW2-196SAB-1 and 2FW2-197SAB-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 No. N/A Expiration Date N/A

Signed Dorjan Jones for Equipment Performance Supervisor Date 7/11/00
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of North Carolina and employed by Hartford Steam Boiler Inspection and Insurance Company of One State Street, Hartford Connecticut 06102 have inspected the components described in this Owner's Report during the period 11-29-98 to 5-12-00, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

[Signature] Commissions NB 9291ABNI, NC 1444
Inspector's Signature National Board, State, Province, and Endorsements

Date 7-18 2000

FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS
As Required by the Provisions of the ASME Code Section XI

1. Owner Carolina Power & Light Company Date July 3, 2000
Name
P.O. Box 1551, Raleigh, N. C. 27602-1551 Sheet 1 of 2
Address
2. Plant Shearon Harris Nuclear Power Plant Unit 1
Name
P.O. Box 165, New Hill, N. C. 27562-0165 WR/JO 99-ABXS9
Address Repair Organization P.O. No., Job No., etc.
3. Work Performed by Carolina Power & Light Company Type Code Symbol Stamp N/A
Name
P.O. Box 165 New Hill, N.C. 27562-0165 Authorization No. N/A
Address Expiration Date N/A
4. Identification of System: Feedwater ASME III, CLASS 2
5. (a) Applicable Construction Code ASME Sect. III 19 74 Edition, WINTER 1976 Addenda, N/A Code Case
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 89, Addenda NO
6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
Valve	Flowserve Corp.	E867A-1-3	2215	PN# A2093 HT# 520616	N/A	Replacement	No
Flange	Dubose NES	N/A	N/A	PN# A2655 HT# C5292	N/A	Replacement	No
Pipe	Dubose NES	N/A	N/A	PN# 2705 HT# 446979	N/A	Replacement	No
Nut	Dubose NES	N/A	N/A	PN# 514-108-43 HT# LMO	N/A	Replacement	No
Stud	Dubose NES	N/A	N/A	PN# 514-116-19 HT# NBA	N/A	Replacement	No
Elbow	Dubose NES	N/A	N/A	PN# 514-157-92 HT# A24	N/A	Replacement	No
Coupling	Dubose NES	N/A	N/A	PN# 514-178-22 HT# JDW	N/A	Replacement	No

7. Description of Work: Installation of new 2 inch nitrogen line and valve.

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

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8½ 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.
(12/82)

FORM NIS-2 (Back)

9. Remarks: Code Case N-416-1 used in lieu of Hydrostatic Test.
Applicable Manufacturer's Date Reports to be attached
New line numbers are 2FW2-198SAB-1, 2FW2-199SAB-1 and 2FW2-200SAB-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 No. N/A Expiration Date N/A

Signed Dustin Long for Equipment Performance Supervisor Date 7/11/00
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of North Carolina and employed by Hartford Steam Boiler Inspection and Insurance Company of One State Street, Hartford Connecticut 06102 have inspected the components described in this Owner's Report during the period 11-29-98 to 5-12-00, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

[Signature] Commissions NB 9291ABNI, NC 1444
Inspector's Signature National Board, State, Province, and Endorsements

Date 7-18 2000

Certificate Holder's Serial No. _____

8. Design conditions _____ 720 _____ psi _____ 100 _____ °F or valve pressure class _____ 300 _____ (1)
(pressure) (temperature)

9. Cold working pressure _____ 720 _____ psi at 100°F

10. Hydrostatic test _____ 1100 _____ psi. Disk differential test pressure _____ 792 _____ psi

11. Remarks: Materials: Studs: HT# CR63889
Hex Nuts: HT# 30206, Trace Code: W12

CERTIFICATION OF DESIGN

Design Specification certified by Theron C. Bartlett II P.E. State PA Reg. no. PE-039036-E
Design Report certified by N/A 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. NI712 Expires 4/15/01

Date 10/27/99 Name Flowserve Corp. Signed RR Decker
(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 Pennsylvania and employed by Commercial Union Ins. Co. of Boston, Mass. have inspected the pump, or valve, described in this Data Report on 823 10-28-99, 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 10-28-99 Signed Charles Young Commissions PA 2392
Charles Young Inspector (NB 9544 N)
[Net'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
As Required by the Provisions of the ASME Code Section XI

1. Owner Carolina Power & Light Company Date July 3, 2000
Name

P.O. Box 1551, Raleigh, N. C. 27602-1551 Sheet 1 of 2
Address

2. Plant Shearon Harris Nuclear Power Plant Unit 1
Name

P.O. Box 165, New Hill, N. C. 27562-0165 WR/JO 99-AHET3
Address Repair Organization P.O. No., Job No., etc.

3. Work Performed by Carolina Power & Light Company Type Code Symbol Stamp N/A
Name

P.O. Box 165 New Hill, N.C. 27562-0165 Authorization No. N/A
Address Expiration Date N/A

4. Identification of System: Low Head Safety Injection ASME III, CLASS 2

5. (a) Applicable Construction Code ASME Sect. III 19 74 Edition, WINTER 1976 Addenda, N/A Code Case

(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 89, Addenda NO

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
Coloc Nut	Coloc Industries	N/A	N/A	RH-H-0177 Part# 732-863-46	N/A	Replacement	N/A

7. Description of Work: Coloc Nut replaced on hanger RH-H-0177

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

Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8½ 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-2 (Back)

9. Remarks: _____
Applicable Manufacturer's Date 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 No. N/A Expiration Date N/A

Signed Dagur Jorgensen for Equipment Performance Supervisor Date 7/11/00
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of North Carolina and employed by Hartford Steam Boiler Inspection and Insurance Company of One State Street, Hartford Connecticut 06102 have inspected the components described in this Owner's Report during the period 11-29-98 to 5-12-00, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

[Signature] Commissions NB 9291ABNI, NC 1444
Inspector's Signature National Board, State, Province, and Endorsements

Date 7-18 2000

FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS
As Required by the Provisions of the ASME Code Section XI

1. Owner Carolina Power & Light Company Date July 11, 2000
Name
P.O. Box 1551, Raleigh, N. C. 27602-1551 Sheet 1 of 2
Address
2. Plant Shearon Harris Nuclear Power Plant Unit 1
Name
P.O. Box 165, New Hill, N. C. 27562-0165 WR/JO 99-ACU1
Address Repair Organization P.O. No., Job No., etc.
3. Work Performed by Carolina Power & light Company Type Code Symbol Stamp N/A
Name
P.O. Box 165 New Hill, N.C. 27562-0165 Authorization No. N/A
Address Expiration Date N/A
4. Identification of System: Radioactive Equipment Drains ASME III, CLASS 2
5. (a) Applicable Construction Code ASME Sect.III 19 74 Edition, WINTER 1976 Addenda, N/A Code Case
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 89, Addenda NO
6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
Diaphragm	Acushnet	EPT Nordel	N/A	514-239-78	N/A	Replacement	N/A
Diaphragm	Acushnet	N/A	N/A	73-6225-18-1	N/A	Replaced	N/A

7. Description of Work: Diaphragm replaced on valve 1ED-119.

8. Tests Conducted: Hydrostatic Pneumatic Nominal Operating Pressure
Other Pressure _____psi Test Temp. _____°F

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8½ 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.
(12/82)

FORM NIS-2 (Back)

9. Remarks: _____
Applicable Manufacturer's Date 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 No. N/A Expiration Date N/A

Signed Daxin Song for Equipment Performance Supervisor Date 7/11/00
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of North Carolina and employed by Hartford Steam Boiler Inspection and Insurance Company of One State Street, Hartford Connecticut 06102 have inspected the components described in this Owner's Report during the period 11-29-98 to 5-12-00, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

[Signature] Commissions NB 9291ABNI, NC 1444
Inspector's Signature National Board, State, Province, and Endorsements

Date 7-18 2000

FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS
As Required by the Provisions of the ASME Code Section XI

1. Owner Carolina Power & Light Company Date July 11, 2000
Name
P.O. Box 1551, Raleigh, N. C. 27602-1551 Address Sheet 1 of 2
2. Plant Shearon Harris Nuclear Power Plant Unit 1
Name
P.O. Box 165, New Hill, N. C. 27562-0165 Address WR/JD 99-AATE3
Repair Organization P.O. No., Job No., etc.
3. Work Performed by Carolina Power & light Company Type Code Symbol Stamp N/A
Name
P.O. Box 165 New Hill, N.C. 27562-0165 Address Authorization No. N/A
Expiration Date N/A
4. Identification of System: Auxiliary Feedwater ASME III, CLASS 2
5. (a) Applicable Construction Code ASME Sect. III 19 74 Edition, WINTER 1976 Addenda, N/A Code Case
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 89, Addenda NO
6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
Plate	Dubose NES	N/A	N/A	AF-H-320 732-843-74	N/A	Replacement	N/A

7. Description of Work: Replaced Lug/plate on hanger AF-H-320.

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

E: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8½ 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-2 (Back)

9. Remarks: _____
Applicable Manufacturer's Date 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 No. N/A Expiration Date N/A

Signed Dorjin Hong for Equipment Performance Supervisor Date 7/11/00
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of North Carolina and employed by Hartford Steam Boiler Inspection and Insurance Company of One State Street, Hartford Connecticut 06102 have inspected the components described in this Owner's Report during the period 11-29-98 to 5-12-00, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

[Signature] Commissions NB 9291ABNI, NC 1444
Inspector's Signature National Board, State, Province, and Endorsements

Date 7-18 2000

FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS
As Required by the Provisions of the ASME Code Section XI

1. Owner Carolina Power & Light Company Date July 24, 2000
Name
P.O. Box 1551, Raleigh, N. C. 27602-1551 Sheet 1 of 2
Address
2. Plant Shearon Harris Nuclear Power Plant Unit 1
Name
P.O. Box 165, New Hill, N. C. 27562-0165 WR/JO 97-A1IK1
Address Repair Organization P.O. No., Job No., etc.
3. Work Performed by Carolina Power & Light Company Type Code Symbol Stamp N/A
Name
P.O. Box 165 New Hill, N.C. 27562-0165 Authorization No. N/A
Address Expiration Date N/A
4. Identification of System: Main Steam ASME III, CLASS 2
5. (a) Applicable Construction Code ASME Sect. III 1974 Edition, WINTER 1976 Addenda, N/A Code Case
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 89, Addenda NO
6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
Disc/Trim	CCI	N/A	N/A	ASME SA 182-P11	1984	Replaced	N/A
Disc/Trim	CCI	SN3	N/A	A2062	2000	Replacement	N/A

7. Description of Work: Replaced Disc/Trim Assemble on valve 1MS-58.

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

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8½ 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.
(12/82)

FORM NIS-2 (Back)

9. Remarks: _____
Applicable Manufacturer's Date 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 No. N/A Expiration Date N/A

Signed Dorin Jones for Equipment Performance Supervisor Date 7/24/00
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of North Carolina and employed by Hartford Steam Boiler Inspection and Insurance Company of One State Street, Hartford Connecticut 06102 have inspected the components described in this Owner's Report during the period 11-29-98 to 5-12-00, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

[Signature] Commissions NB 9291ABNI, NC 1444
Inspector's Signature National Board, State, Province, and Endorsements

Date 7-27 2000

**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

1. Manufactured and certified by C C I, 22591 Avenida Empressa, Rancho Santa Margarita, CA 92688
(name and address of Certificate Holder)

2. Manufactured for CAROLINA POWER AND LIGHT COMPANY, RALEIGH, NORTH CAROLINA
(name and address of purchaser)

3. Location of installation SHEARON HARRIS PLANT, NEW HILL, NORTH CAROLINA
(name and address)

4. Type 327100003 SA182 - F11 70,000 PSI N/A 2000
(drawing no.) (mat'l spec. no.) (tensile strength) (CRN) (year built)

5. ASME Code, Section III, Division 1: 1974 WINTER ' 78 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
CCI WORK ORDER 895531
CCI TRAVELER NUMBER 107461

8. Nom. thickness (in.) 1.87" Min. design thickness (in.) 1.86" Dia. ID (ft & in.) 2.63" Length overall (ft & in.) 11.10"

9. When applicable, Certificate Holders' Data Reports are attached for each item of the 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.) M107461 S/N 1	N/A	(26.)	
(2.) M107461 S/N 2	N/A	(27.)	
(3.) M107461 S/N 3	N/A	(28.)	
(4.)		(29.)	
(5.)		(30.)	
(6.)		(31.)	
(7.)		(32.)	
(8.)		(33.)	
(9.)		(34.)	
(10.)		(35.)	
(11.)		(36.)	
(12.)		(37.)	
(13.)		(38.)	
(14.)		(39.)	
(15.)		(40.)	
(16.)		(41.)	
(17.)		(42.)	
(18.)		(43.)	
(19.)		(44.)	
(20.)		(45.)	
(21.)		(46.)	
(22.)		(47.)	
(23.)		(48.)	
(24.)		(49.)	
(25.)		(50.)	

10. Design pressure 900 psi Temp. 568 Deg. F Hydro test pressure N/A at temp. Deg. f

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

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

Certificate Holder's Serial No. M107461 through M107461
S/N 1 S/N 3

CERTIFICATE OF DESIGN

Design Specification certified by ALGIRDAS CESNAVICIUS P.E. State NC Reg. no. 7549
Design Report * certified by N/A P.E. State N/A Reg. no. N/A
(when applicable)

CERTIFICATE OF COMPLIANCE

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

NPT Certificate of Authorization No. N-2696 Expires JUNE 7, 2000

Date 20 Jan 00 Name CCI Signed [Signature]
(NPT Certificate Holder) (Authorized representative)

CERTIFICATE OF INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and
the State or Province of CALIFORNIA, and employed by HARTFORD STEAM BOILER INSPECTION AND INSURANCE COMPANY
of HARTFORD, CONNECTICUT have inspected these items described in this Data Report on

1/20/2000, and state that to the best of my knowledge and belief, the Certificate Holder has
fabricated these parts or appurtenances in accordance with ASME 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 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 1/20/2000 Signed [Signature] Commissions Ca1494
(Authorized Inspector) (Nat'l Bd. (including endorsement) and state or prov., and no.)

FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS
As Required by the Provisions of the ASME Code Section XI

1. Owner Carolina Power & Light Company Date July 24, 2000
Name
P.O. Box 1551, Raleigh, N. C. 27602-1551 Sheet 1 of 2
Address
2. Plant Shearon Harris Nuclear Power Plant Unit 1
Name
P.O. Box 165, New Hill, N. C. 27562-0165 WR/JO 97-AIIM1
Address Repair Organization P.O. No., Job No., etc.
3. Work Performed by Carolina Power & light Company Type Code Symbol Stamp N/A
Name
P.O. Box 165 New Hill, N.C. 27562-0165 Authorization No. N/A
Address Expiration Date N/A
4. Identification of System: Main Steam ASME III, CLASS 2
5. (a) Applicable Construction Code ASME Sect.III 19 74 Edition, WINTER 1976 Addenda, N/A Code Case
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 89, Addenda NO
6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
Disc/Trim	CCI	N/A	N/A	ASME SA 182-P11	1984	Replaced	N/A
Disc/Trim	CCI	SN1	N/A	A2062	2000	Replacement	N/A

7. Description of Work: Replaced Disc/Trim Assemble on valve 1MS-60.

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

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8½ 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.
(12/82)

FORM NIS-2 (Back)

9. Remarks: Applicable Manufacturer's Date 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 No. N/A Expiration Date N/A

Signed Dayan Gans for Equipment Performance Supervisor Date 7/24/00
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of North Carolina and employed by Hartford Steam Boiler Inspection and Insurance Company of One State Street, Hartford Connecticut 06102 have inspected the components described in this Owner's Report during the period 11-29-98 to 5-12-00, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

[Signature] Commissions NB 9291ABNI, NC 1444
Inspector's Signature National Board, State, Province, and Endorsements

Date 7-27 2000

**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

1. Manufactured and certified by CCI, 22591 Avenida Empressa, Rancho Santa Margarita, CA 92688
(name and address of Certificate Holder)

2. Manufactured for CAROLINA POWER AND LIGHT COMPANY, RALEIGH, NORTH CAROLINA
(name and address of purchaser)

3. Location of installation SHEARON HARRIS PLANT, NEW HILL, NORTH CAROLINA
(name and address)

4. Type 327100003 SA182 - F11 70,000 PSI N/A 2000
(drawing no.) (mat'l spec. no.) (tensile strength) (CRN) (year built)

5. ASME Code, Section III, Division 1: 1974 WINTER ' 76 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
CCI WORK ORDER 895531
CCI TRAVELER NUMBER 107481

8. Nom. thickness (in.) 1.87" Min. design thickness (in.) 1.86" Dia. ID (ft & in.) 2.63" Length overall (ft & in.) 11.10"

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.) M107461 S/N 1	N/A	(26.)	
(2.) M107461 S/N 2	N/A	(27.)	
(3.) M107461 S/N 3	N/A	(28.)	
(4.)		(29.)	
(5.)		(30.)	
(6.)		(31.)	
(7.)		(32.)	
(8.)		(33.)	
(9.)		(34.)	
(10.)		(35.)	
(11.)		(36.)	
(12.)		(37.)	
(13.)		(38.)	
(14.)		(39.)	
(15.)		(40.)	
(16.)		(41.)	
(17.)		(42.)	
(18.)		(43.)	
(19.)		(44.)	
(20.)		(45.)	
(21.)		(46.)	
(22.)		(47.)	
(23.)		(48.)	
(24.)		(49.)	
(25.)		(50.)	

10. Design pressure 900 psi Temp. 568 Deg. F Hydro test pressure N/A at temp. Deg. F

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

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

Certificate Holder's Serial No. M107461 through M107461
S/N 1 S/N 3

CERTIFICATE OF DESIGN

Design Specification certified by ALGIRDAS CESNAVICIUS P.E. State NC Reg. no. 7549
Design Report * certified by N/A P.E. State N/A Reg. no. N/A
(when applicable)

CERTIFICATE OF COMPLIANCE

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

NPT Certificate of Authorization No. N-2696 Expires JUNE 7, 2000

Date 20 Jan 00 Name CCI Signed [Signature]
(NPT Certificate Holder) (Authorized representative)

CERTIFICATE OF INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and
the State or Province of CALIFORNIA and employed by HARTFORD STEAM BOILER INSPECTION AND INSURANCE COMPANY
of HARTFORD, CONNECTICUT have inspected these items described in this Data Report on

1/20/2000, and state that to the best of my knowledge and belief, the Certificate Holder has
fabricated these parts or appurtenances in accordance with ASME 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 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 1/20/2000 Signed [Signature] Commissions Ca1494
(Authorized Inspector) (Nat'l Bd. (including endorsement) and state or prov., and no.)

FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS
As Required by the Provisions of the ASME Code Section XI

1. Owner Carolina Power & Light Company Date July 24, 2000
Name
P.O. Box 1551, Raleigh, N. C. 27602-1551 Sheet 1 of 2
Address
2. Plant Shearon Harris Nuclear Power Plant Unit 1
Name
P.O. Box 165, New Hill, N. C. 27562-0165 WR/JO 97-AIIP1
Address Repair Organization P.O. No., Job No., etc.
3. Work Performed by Carolina Power & light Company Type Code Symbol Stamp N/A
Name
P.O. Box 165 New Hill, N.C. 27562-0165 Authorization No. N/A
Address Expiration Date N/A
4. Identification of System: Main Steam ASME III, CLASS 2
5. (a) Applicable Construction Code ASME Sect.III 19 74 Edition, WINTER 1976 Addenda, N/A Code Case
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 89, Addenda NO

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
Disc/Trim	CCI	N/A	N/A	ASME SA 182-P11	1984	Replaced	N/A
Disc/Trim	CCI	SN2	N/A	A2062	2000	Replacement	N/A

7. Description of Work: Replaced Disc/Trim Assemble on valve 1MS-62.

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

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8½ 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.
(12/82)

FORM NIS-2 (Back)

9. Remarks: _____
Applicable Manufacturer's Date 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 No. N/A Expiration Date N/A

Signed Darwin Jones for Equipment Performance Supervisor Date 7/24/00
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of North Carolina and employed by Hartford Steam Boiler Inspection and Insurance Company of One State Street, Hartford Connecticut 06102 have inspected the components described in this Owner's Report during the period 11-29-98 to 5-12-00, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

[Signature] Commissions NB 9291ABNI, NC 1444
Inspector's Signature National Board, State, Province, and Endorsements

Date 7-27 2000

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

1. Manufactured and certified by CCI, 22591 Avenida Empesa, Rancho Santa Margarita, CA 92688
(name and address of Certificate Holder)

2. Manufactured for CAROLINA POWER AND LIGHT COMPANY, RALEIGH, NORTH CAROLINA
(name and address of purchaser)

3. Location of installation SHEARON HARRIS PLANT, NEW HILL, NORTH CAROLINA
(name and address)

4. Type 327100003 SA182-F11 70,000 PSI N/A 2000
(drawing no.) (mat'l spec. no.) (tensile strength) (CRN) (year built)

5. ASME Code, Section III, Division 1: 1974 WINTER '76 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 CCI WORK ORDER 895531
CCI TRAVELER NUMBER 107461

8. Nom. thickness (in.) 1.87" Min. design thickness (in.) 1.86" Dia. ID (ft & In.) 2.63" Length overall (ft & In.) 11.10"

9. When applicable, Certificate Holders' Data Reports are attached for each item of the 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.) M107461 S/N 1	N/A	(26.)	
(2.) M107461 S/N 2	N/A	(27.)	
(3.) M107461 S/N 3	N/A	(28.)	
(4.)		(29.)	
(5.)		(30.)	
(6.)		(31.)	
(7.)		(32.)	
(8.)		(33.)	
(9.)		(34.)	
(10.)		(35.)	
(11.)		(36.)	
(12.)		(37.)	
(13.)		(38.)	
(14.)		(39.)	
(15.)		(40.)	
(16.)		(41.)	
(17.)		(42.)	
(18.)		(43.)	
(19.)		(44.)	
(20.)		(45.)	
(21.)		(46.)	
(22.)		(47.)	
(23.)		(48.)	
(24.)		(49.)	
(25.)		(50.)	

10. Design pressure 900 psi Temp. 568 Deg. F Hydro test pressure N/A at temp. Deg. f

*Supplemental information in the form of lists, sketches, or drawings may be used provided (1) size is 8 1/2 x 11. (2) information in items 1 through 4 on this DataReport 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 (E00037) may be obtained from the Order Dept., ASME, 22 Law Drive, Box 2300, Fairfield, NJ 07007-2300.

2-16-68

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

Certificate Holder's Serial No. M107461 through M107461
S/N 1 S/N 3

CERTIFICATE OF DESIGN			
Design Specification certified by	<u>ALGIRODAS CESNAVICIOS</u>	P.E. State <u>NC</u>	Reg. no. <u>7549</u>
Design Report * certified by	<u>N/A</u> (when applicable)	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>PLUG</u>
conforms to the rules of construction of the ASME Code, Section III, Division 1.			
NPT Certificate of Authorization No.	<u>N-2696</u>	Expires	<u>JUNE 7, 2000</u>
Date	<u>27 Jan 00</u>	Name	<u>CCI</u> (NPT Certificate Holder)
		Signed	<u>[Signature]</u> (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 <u>CALIFORNIA</u> and employed by <u>HARTFORD STEAM BOILER INSPECTION AND INSURANCE COMPANY</u> of <u>HARTFORD, CONNECTICUT</u> have inspected these items described in this Data Report on <u>1/20/2000</u> , and state that to the best of my knowledge and belief, the Certificate Holder has fabricated these parts or appurtenances in accordance with ASME 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 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	<u>1/20/2000</u>	Signed	<u>[Signature]</u> (Authorized Inspector)
		Commissions	<u>Ca1494</u> (Nat'l Bd. (including endorsement) and state or prov., and no.)

FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS
As Required by the Provisions of the ASME Code Section XI

1. Owner Carolina Power & Light Company Date June 21, 2000
Name
P.O. Box 1551, Raleigh, N. C. 27602-1551 Address Sheet 1 of 2
2. Plant Shearon Harris Nuclear Power Plant Unit 1
Name
P.O. Box 165, New Hill, N. C. 27562-0165 Address WR/JO 99-AARD1
Repair Organization P.O. No., Job No., etc.
3. Work Performed by Carolina Power & Light Company Type Code Symbol Stamp N/A
Name
P.O. Box 165 New Hill, N.C. 27562-0165 Address Authorization No. N/A
Expiration Date N/A
4. Identification of System: Aux. Feedwater ASME III, CLASS 2
5. (a) Applicable Construction Code ASME Sect. III 1974 Edition, Winter 1976 Addenda, Code Case N/A
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 89, Addenda NO
6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
Snubber	Pacific Scientific	17077	N/A	AF-H-328A	1985	Replaced	No
Snubber	Pacific Scientific	16338	N/A	AF-H-328A	1983	Replacement	No

7. Description of Work: Snubber replacement.

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

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8½ 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-2 (Back)

9. Remarks: _____
Applicable Manufacturer's Date 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 No. N/A Expiration Date N/A

Signed Dojun Jung for Equipment Performance Supervisor Date 6/21/00
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of North Carolina and employed by Hartford Steam Boiler Inspection and Insurance Company of One State Street, Hartford Connecticut 06102 have inspected the components described in this Owner's Report during the period 11-29-98 to 5-12-00, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

[Signature] Commissions NB 9291ABN1, NC 1444
Inspector's Signature National Board, State, Province, and Endorsements

Date 6-29 2000

FORM NF-1 NPT CERTIFICATE HOLDERS' DATA REPORT FOR COMPONENT SUPPORTS*
 As Required by the Provisions of the ASME Code Rules, Section III, Division 1

#10

1. Manufactured by Kin-Tech Division Pacific Scientific 1346 S. State College Blvd. Anaheim, Ca. 92803
(Name and address of NPT Certificate Holder)

2. Manufacturer for ITT Grinnell Corporation 621 Dana Street N.E. Warren, Ohio 44481
(Name and address of purchaser or owner)

3. Location of Installation Unknown

4. Identification

(a) Component Support I.D. No.	(b) Canadian Registration No.	(c) Applicable Drawings with Last Rev. & Date	(d) Stress Report or Load Capacity Data Sheet	(e) Type of Component Support	(f) Class	(g) Net'l Board No.	(h) Year Built
(1) 16294	None	1801103-07-J	DR 1416 Rev.0	Linear	1	None	1983
(2) thru	"	"	"	"	"	"	"
(3) 16393	"	"	"	"	"	"	"
(4)							
(5)							
(6)							
(7)							
(8)							
(9)							
(10)							

5. Remarks Inspection Test Reports, CMR's and Certificate of Conformance are also certified to meet ASME Sec III 1974 Edition, Summer '76 Addenda and Code Case 1644-6.

CERTIFICATE OF COMPLIANCE

We certify that the statements made in this report are correct and that these components supports conform to the rules of construction of the ASME Code for Nuclear Power Plant Components, Section III, Division 1, Edition 1977, Addenda Winter '78, Code Case No. 1644-7 (Date)

Date 11/4/82 Signed Pacific Scientific by Ronald A. Nasta
(NPT Certificate Holder)

Our ASME Certificate of Authorization No. 1198 to use the "NPT" (NPT)

Symbol expires Aug. 4, 1984 (Date)

CERTIFICATION OF DESIGN

Design Information on File at Pacific Scientific

Stress Report or Load Capacity Data Sheets on File at Pacific Scientific

Filed Per NCA 3256 Design Specifications Certified by (1) Leo E. Ay PE State California

Reg. No. 13533

Stress Analysis Report or Load Capacity Data Sheets Certified by (1) Leo E. Ay PE State California Reg. No. 13533

(List name only, signature not required)

* Supplemental sheets in form of lists, sketches or drawings may be used provided (1) size is 8 1/2 in., (2) information in items 1, 2, & 4g 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.

(10/77) This form (E00075) may be obtained from the Order Dept., ASME, 345 E. 47th St., New York, N.Y. 10017

*947
9485*

FORM NF-1 (Back)

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 OHIO and employed by HSBT&I Co. of Hartford, CT have inspected the component supports described in this Data Report on 11.4.83

and state that to the best of my knowledge and belief the NPT Certificate Holder has constructed these component supports in accordance with the ASME Code for Nuclear Power Plant Components.

By signing this certificate, neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the component supports 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 11.4.83

Signed Cirilo F. Reyes Commissions CA 1524 / OHIO COMM.
(Nat'l Bd., State, Prov., and No.)

CERTIFICATION OF FIELD INSPECTION

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 supports and state

that the parts referred to as data items _____, not included in the certificate of shop inspection, have been inspected by me and that to the best of my knowledge and belief the NPT Certificate Holder has constructed these component supports in accordance with the ASME Code for Nuclear Power Plant Components

By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the component supports 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 _____
(Nat'l Bd., State, Prov., and No.)

Page 9-485

FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS
As Required by the Provisions of the ASME Code Section XI

1. Owner Carolina Power & Light Company Date June 21, 2000
Name
P.O. Box 1551, Raleigh, N. C. 27602-1551 Sheet 1 of 2
Address
2. Plant Shearon Harris Nuclear Power Plant Unit 1
Name
P.O. Box 165, New Hill, N. C. 27562-0165 WR/JO 99-AARB1
Address Repair Organization P.O. No., Job No., etc.
3. Work Performed by Carolina Power & Light Company Type Code Symbol Stamp N/A
Name
P.O. Box 165 New Hill, N.C. 27562-0165 Authorization No. N/A
Address Expiration Date N/A
4. Identification of System: Aux. Feedwater ASME III, CLASS 2
5. (a) Applicable Construction Code ASME Sect. III 19 74 Edition, Winter 1976 Addenda, Code Case N/A
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 89, Addenda NO
6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
Snubber	Pacific Scientific	7711	N/A	AF-H-391A		Replaced	No
Snubber	Pacific Scientific	11023	N/A	AF-H-391A	1980	Replacement	No

7. Description of Work: Snubber replacement.

8. Tests Conducted: Hydrostatic Pneumatic Nominal Operating Pressure
Other Pressure _____ psi Test Temp. _____ of

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8½ 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-2 (Back)

9. Remarks: _____
Applicable Manufacturer's Date 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 No. _____ N/A Expiration Date _____ N/A

Signed Darin Jones for Equipment Performance Supervisor Date 6/21/00
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of North Carolina and employed by Hartford Steam Boiler Inspection and Insurance Company of One State Street, Hartford Connecticut 06102 have inspected the components described in this Owner's Report during the period 11-29-98 to 5-12-00, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

[Signature] Commissions NB 9291ABNI, NC 1444
Inspector's Signature National Board, State, Province, and Endorsements

Date 6-29 2000

FORM NF-1 NPT CERTIFICATE HOLDERS' DATA REPORT FOR COMPONENT SUPPORTS*
As Required by the Provisions of the ASME Code Rules, Section III, Division 1

1. Manufactured by Pacific Scientific 1346 S. State College Blvd. Anaheim, Ca. 92803
(Name and address of NPT Certificate Holder)
2. Manufacturer for Southwest Fabricating & Welding Co., Inc. P.O. Box 9449 Houston Texas 77011
(Name and address of purchaser or owner) Ebasco Services, Inc. Agents for: Carolina Power & Light
3. Location of Installation Shearon Harris Nuclear Plants, Newhill, Wake County, N. Carolina 27562

4. Identification

(a) Component Support I. D. No.	(b) Canadian Registration No.	(c) Applicable Drawings with Last Rev. & Date	(d) Stress Report or Load Capacity Data Sheet	(e) Type of Component Support	(f) Class	(g) Nat'l Board No.	(h) Year Built
(1) <u>10913-</u>	<u>None</u>	<u>1801102-05-T</u>	<u>DR1351-A</u>	<u>Linear</u>	<u>1</u>	<u>None</u>	<u>1980</u>
(2) <u>11117</u>							
(3) _____							
(4) _____							
(5) _____							
(6) _____							
(7) _____							
(8) _____							
(9) _____							
(10) _____							

5. Remarks _____

CERTIFICATE OF COMPLIANCE

We certify that the statements made in this report are correct and that these components supports conform to the rules of construction of the ASME Code for Nuclear Power Plant Components, Section III, Division 1, Edition 1977, Addenda Summer '78
(Date)

Code Case No. 1644-6

Date 23 May 1980 Signed Pacific Scientific by Bill Jenkins
(NPT Certificate Holder)

Our ASME Certificate of Authorization No. 1198 to use the Component Supports
(NPT)

Symbol expires Aug. 4, 1981
(Date)

CERTIFICATION OF DESIGN

Design Information on File at Pacific Scientific

Stress Report or Load Capacity Data Sheets on File at Pacific Scientific

Filed Per NA 3256
Design Specifications Certified by (1) Leo E. Ay PE State California

Reg No. 13533

Stress Analysis Report or Load Capacity Data Sheets Certified by (1) Leo E. Ay

PE State California Reg No. 13533

(1) List name only, signature not required

* 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, 4c, 4g 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

4 2 9

CERTIFICATE OF SHOP INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State of Province of California and employed by USRT&T Co. of Hartford, CT have inspected the component supports described in this Data Report on 5/23/80 and state that to the best of my knowledge and belief the NPT Certificate Holder has constructed these component supports in accordance with the ASME Code for Nuclear Power Plant Components.

By signing this certificate, neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the component supports 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 5/23/80

Signed William Meyer

Commissioner

Co #1494

(National, State, Prov. and No.)

CERTIFICATION OF FIELD 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 _____ and employed by _____ of _____ have compared the statements in this Data Report with the described component supports and state that the parts referred to as data items _____ not included in the certificate of shop inspection have been inspected by me and that to the best of my knowledge and belief the NPT Certificate Holder has constructed these component supports in accordance with the ASME Code for Nuclear Power Plant Components.

By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the component supports 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

Commissioner

(National, State, Prov. and No.)

1430

FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS
As Required by the Provisions of the ASME Code Section XI

1. Owner Carolina Power & Light Company Date June 21, 2000
Name
P.O. Box 1551, Raleigh, N. C. 27602-1551 Sheet 1 of 2
Address
2. Plant Shearon Harris Nuclear Power Plant Unit 1
Name
P.O. Box 165, New Hill, N. C. 27562-0165 WR/JO 99-AARC1
Address Repair Organization P.O. No., Job No., etc.
3. Work Performed by Carolina Power & light Company Type Code Symbol Stamp N/A
Name
P.O. Box 165 New Hill, N.C. 27562-0165 Authorization No. N/A
Address Expiration Date N/A
4. Identification of System: Aux. Feedwater ASME III, CLASS 2
5. (a) Applicable Construction Code ASME Sect. III 19 74 Edition, Winter 1976 Addenda, Code Case N/A
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 89, Addenda NO

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
Snubber	Pacific Scientific	8775	N/A	AF-H-391B	1980	Replaced	No
Snubber	Pacific Scientific	8802	N/A	AF-H-391B	1980	Replacement	No

7. Description of Work: Snubber replacement.

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

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8½ 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-2 (Back)

9. Remarks: _____
Applicable Manufacturer's Date 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 No. N/A Expiration Date N/A

Signed *Dorja Dorja* for Equipment Performance Supervisor Date 6/21/00
Owner of 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 North Carolina and employed by Hartford Steam Boiler Inspection and Insurance Company of One State Street, Hartford Connecticut 06102 have inspected the components described in this Owner's Report during the period 11-29-98 to 5-12-00, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

[Signature] Commissions NE 9291ABNI, NC 1444
Inspector's Signature National Board, State, Province, and Endorsements

Date 6-25 2000

FORM NF-1 NPT CERTIFICATE HOLDERS' DATA REPORT FOR COMPONENT SUPPORTS*
 As Required by the Provisions of the ASME Code Rules, Section III, Division 1

1. Manufactured by Pacific Scientific 1346 S. State College Blvd. Anaheim, Ca 92803
(Name and address of NPT Certificate Holder)
 Southwest Fabricating & Welding Co., Inc. P.O. Box 9449 Houston, Texas 77011
 2. Manufacturer for Ebasco Services, Inc.
(Name and address of purchaser or owner)
 Agents for Carolina Power & Light Shearon Harris Nuclear Plants
 3. Location of Installation Newhill, Wake County, N. Carolina

4. Identification

(a) Component Support I D No.	(b) Canadian Registration No.	(c) Applicable Drawings with Last Rev. & Date	(d) Stress Report or Load Capacity Data Sheet	(e) Type of Component Support	(f) Class	(g) Nat'l Board No.	(h) Year Built
(1) 8720-8849	None	1801102-05-J	DR-1351- Rev. A	Linear	1	None	1979
(2)							
(3)							
(4)							
(5)							
(6)							
(7)							
(8)							
(9)							
(10)							

5. Remarks

CERTIFICATE OF COMPLIANCE

We certify that the statements made in this report are correct and that these components supports conform to the rules of construction of the ASME Code for Nuclear Power Plant Components, Section III, Division 1, Edition '77 Addenda Summer '78
(Date)
 Code Case No. 1644-6
 Date 21 December 79 Signed Pacific Scientific by Bill Jenkins
(NPT Certificate Holder)
 Our ASME Certificate of Authorization No. 1198 to use the Component Supports
(NPT)
 Symbol expires Aug. 4, 1981
(Date)

CERTIFICATION OF DESIGN

Design Information on file at Pacific Scientific
 Stress Report or Load Capacity Data Sheets on file at Pacific Scientific
 Filed Per NA 3256
 Design Specifications Certified by (1) Leo E. Ay PE State California
 Reg No. 13533
 Stress Analysis Report or Load Capacity Data Sheets Certified by (1) Leo E. Ay
 PE State California Reg No. 13533
(1) List name only, signature not required

* 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, 4c, 4g 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.

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 New York and employed by HSBI&I Co. of Hartford, CT have inspected the component supports described in this Data Report on 12/21 19 79 and state that to the best of my knowledge and belief the NPT Certificate Holder has constructed these component supports in accordance with the ASME Code for Nuclear Power Plant Components.

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

Date 12/21/79

Signed William G. Meyer Commissions N.Y. Commission #2778
(Nat'l Bd. State, Prov., and No.)

CERTIFICATION OF FIELD INSPECTION

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 supports and state that the parts referred to as data items _____ not included in the certificate of shop inspection, have been inspected by me and that to the best of my knowledge and belief the NPT Certificate Holder has constructed these component supports in accordance with the ASME Code for Nuclear Power Plant Components.

By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the component supports 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 _____
(Nat'l Bd. State, Prov., and No.)

FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS
As Required by the Provisions of the ASME Code Section XI

1. Owner Carolina Power & Light Company Date June 21, 2000
Name
P.O. Box 1551, Raleigh, N. C. 27602-1551 Sheet 1 of 2
Address
2. Plant Shearon Harris Nuclear Power Plant Unit 1
Name
P.O. Box 165, New Hill, N. C. 27562-0165 Address
WR/JO 99-AARE1
Repair Organization P.O. No., Job No., etc.
3. Work Performed by Carolina Power & Light Company Type Code Symbol Stamp N/A
Name
P.O. Box 165 New Hill, N.C. 27562-0165 Address
Authorization No. N/A
Expiration Date N/A
4. Identification of System: Aux. Feedwater ASME III, CLASS 2
5. (a) Applicable Construction Code ASME Sect. III 19 74 Edition, Winter 1976 Addenda, Code Case N/A
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 89, Addenda NO
6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
Snubber	Pacific Scientific	12490	N/A	AF-H-390A	1980	Replaced	No
Snubber	Pacific Scientific	17573	N/A	AF-H-390A	1981	Replacement	No

7. Description of Work: Snubber replacement.
8. Tests Conducted: Hydrostatic Pneumatic Nominal Operating Pressure
Other Pressure _____ psi Test Temp. _____ °F

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8½ 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-2 (Back)

9. Remarks: _____
Applicable Manufacturer's Date 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 No. N/A Expiration Date N/A

Signed Daryl Long for Equipment Performance Supervisor Date 6/21/00
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of North Carolina and employed by Hartford Steam Boiler Inspection and Insurance Company of One State Street, Hartford Connecticut 06102 have inspected the components described in this Owner's Report during the period 11-29-98 to 5-12-00, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

[Signature] Commissions NB 9291ABNI, NC 1444
Inspector's Signature National Board, State, Province, and Endorsements

Date 6-29 2000

FORM NP-1 NPT CERTIFICATE HOLDERS DATA REPORT FOR COMPONENT SUPPORTS
 As Required by the Provisions of the ASME Code Rules, Section III, Division 1

1. Manufactured by Pacific Scientific 1346 S. State College Blvd. Anaheim, Ca. 92903
(Name and address of NPT Certificate Holder)

2. Manufacturer for Southwest Fabricatings & Welding Co., Inc.
P.O. Box 9449, Houston, Texas 77011
(Name and address of purchaser or owner)

3. Location of Installation Unknown

4. Identification

(a) Component Support I. D. No.	(b) Canadian Registration No.	(c) Applicable Drawings with Last Rev. & Date	(d) Stress Report or Load Capacity Data Sheet	(e) Type of Component Support	(f) Class	(g) Nat'l Board No.	(h) Year Built
(1) 17438-17587	None	1801106-05-J	DR-1350-Rev. B	Linear	1	None	1981
(2)							
(3)							
(4)							
(5)							
(6)							
(7)							
(8)							
(9)							
(10)							

5. Remarks:

073204170

CERTIFICATE OF COMPLIANCE

We certify that the statements made in this report are correct and that these components supports conform to the rules of construction of the ASME Code for Nuclear Power Plant Components, Section III, Division 1, Edition 1977, Addenda Summer '78
(Date)
 Code Case No. 1644-6
 Date 5/14/81 Signed Pacific Scientific by Frankie A. Nava
(NPT Certificate Holder)
 Our ASME Certificate of Authorization No. N-1198 to use the Component Supports
(NPT)
 Symbol expires Aug. 4, 1981
(Date)

CERTIFICATION OF DESIGN

Design Information on File at Pacific Scientific
 Stress Report or Load Capacity Data Sheets on File at Pacific Scientific
 Design Specifications Certified by (1) Leo E. Ay PE State California
 Reg. No. 13533
 Stress Analysis Report or Load Capacity Data Sheets Certified by (1) Leo E. Ay
 PE State California Reg. No. 13533
(1) List name only, signature not required

Supplemental sheets in form of lists, sketches or drawings may be used provided (1) size is 8 1/2 in., (2) information in items 1, 2, 4c, 4g 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.

CERTIFICATE OF SHOP INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State of Province of California and employed by ESBI&I Co. of Hartford, CT

have inspected the component supports described in this Data Report on S-14 and state that to the best of my knowledge and belief the NPT Certificate Holder has constructed these component supports in accordance with the ASME Code for Nuclear Power Plant Components.

By signing this certificate, neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the component supports 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 5-14-81

Signed William Meyer Commissions Ca #1494 (Nat'l Bd., State, Prov., and No.)

CERTIFICATION OF FIELD 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 _____ and employed by _____ of _____

I have compared the statements in this Data Report with the described component supports and state that the parts referred to as data items _____, not included in the certificate of shop inspection, have been inspected by me and that to the best of my knowledge and belief the NPT Certificate Holder has constructed these component supports in accordance with the ASME Code for Nuclear Power Plant Components.

By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the component supports 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 _____ (Nat'l Bd., State, Prov., and No.)

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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

1. Owner Carolina Power & Light Company Date June 21, 2000
Name
P.O. Box 1551, Raleigh, N. C. 27602-1551 Sheet 1 of 2
Address
2. Plant Shearon Harris Nuclear Power Plant Unit 1
Name
P.O. Box 165, New Hill, N. C. 27562-0165 WR/JO 99-AARF1
Address Repair Organization P.O. No., Job No., etc.
3. Work Performed by Carolina Power & Light Company Type Code Symbol Stamp N/A
Name
P.O. Box 165 New Hill, N.C. 27562-0165 Authorization No. N/A
Address Expiration Date N/A
4. Identification of System: Aux. Feedwater ASME III, CLASS 2
5. (a) Applicable Construction Code ASME Sect. III 19 74 Edition, Winter 1976 Addenda, Code Case N/A
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 89, Addenda NO
6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
Snubber	Pacific Scientific	12563	N/A	AF-H-390B	1980	Replaced	No
Snubber	Pacific Scientific	17476	N/A	AF-H-390B	1981	Replacement	No

7. Description of Work: Snubber replacement.
8. Tests Conducted: Hydrostatic Pneumatic Nominal Operating Pressure
Other Pressure _____ psi Test Temp. _____ °F

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8½ 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-2 (Back)

9. Remarks: _____
Applicable Manufacturer's Date 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 No. N/A Expiration Date N/A

Signed Dogin Long for Equipment Performance Supervisor Date 6/21/00
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of North Carolina and employed by Hartford Steam Boiler Inspection and Insurance Company of One State Street, Hartford Connecticut 06102 have inspected the components described in this Owner's Report during the period 11-29-98 to 5-12-00, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

[Signature] Commissions NB 9291AE VI, NC 1444
Inspector's Signature National Board, State, Province, and Endorsements

Date 6-29 2000

FORM NP-1 NPT CERTIFICATE HOLDERS DATA REPORT FOR COMPONENT SUPPORTS
 As Required by the Provisions of the ASME Code Rules, Section III, Division 1

1. Manufactured by Pacific Scientific 1346 S. State College Blvd. Anaheim, Ca. 92903
(Name and address of NPT Certificate Holder)

2. Manufacturer for Southwest Fabricatings & Welding Co., Inc.
P.O. Box 9449, Houston, Texas 77011
(Name and address of purchaser or owner)

3. Location of Installation Unknown

4. Identification

(a) Component Support I.D. No.	(b) Canadian Registration No.	(c) Applicable Drawings with Last Rev. & Date	(d) Stress Report or Load Capacity Data Sheet	(e) Type of Component Support	(f) Class	(g) Nat'l Board No.	(h) Year Built
(1) 17438-17587	None	1801106-05-J	DR-1350-Rev. B	Linear	1	None	1981
(2)							
(3)							
(4)							
(5)							
(6)							
(7)							
(8)							
(9)							
(10)							

5. Remarks:

C 7 3 2 4 1 7 0

CERTIFICATE OF COMPLIANCE

We certify that the statements made in this report are correct and that these components supports conform to the rules of construction of the ASME Code for Nuclear Power Plant Components, Section III, Division 1, Edition 1977, Addenda Summer '78,
(Date)
 Code Case No. 1644-6
 Date 5/14/81 Signed Pacific Scientific by Rosalie A. Nava
(NPT Certificate Holder)
 Our ASME Certificate of Authorization No. N-1199 to use the Component Supports
(NPT)
 Symbol expires Aug. 4, 1981
(Date)

CERTIFICATION OF DESIGN

Design Information on File at Pacific Scientific
 Stress Report or Load Capacity Data Sheets on File at
Pacific Scientific
 Filed Per NA 3256
 Design Specifications Certified by (1) Leo E. Ay PE State California
 Reg. No. 13533
 Stress Analysis Report or Load Capacity Data Sheets Certified by (1) Leo E. Ay
 PE State California Reg. No. 13533
(1) List name only, signature not required

Supplemental sheets in form of lists, sketches or drawings may be used provided (1) size is 8 1/2 in., (2) information in items 1, 2, 4c, 4g 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.

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 California and employed by BSBI&I Co. of Hartford, CT have inspected the component supports described in this Data Report on 5-14 and state that to the best of my knowledge and belief the NPT Certificate Holder has constructed these component supports in accordance with the ASME Code for Nuclear Power Plant Components.

By signing this certificate, neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the component supports 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 5-14-81

Signed William Meyer Commissions Ca #1494
(Nat'l Bd., State, Prov., and No.)

CERTIFICATION OF FIELD INSPECTION

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 supports and state that the parts referred to as data items _____, not included in the certificate of shop inspection, have been inspected by me and that to the best of my knowledge and belief the NPT Certificate Holder has constructed these component supports in accordance with the ASME Code for Nuclear Power Plant Components.

By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the component supports 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 _____
(Nat'l Bd., State, Prov., and No.)

FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS
As Required by the Provisions of the ASME Code Section XI

1. Owner Carolina Power & Light Company Date June 21, 2000
Name

P.O. Box 1551, Raleigh, N. C. 27602-1551 Sheet 1 of 2
Address

2. Plant Shearon Harris Nuclear Power Plant Unit 1
Name

P.O. Box 165, New Hill, N. C. 27562-0165 WR/JO 99-AASK1
Address Repair Organization P.O. No., Job No., etc.

3. Work Performed by Carolina Power & Light Company Type Code Symbol Stamp N/A
Name

Authorization No. N/A

Expiration Date N/A

P.O. Box 165 New Hill, N.C. 27562-0165
Address

4. Identification of System: Main Steam ASME III, CLASS 2

5. (a) Applicable Construction Code ASME Sect. III 1974 Edition, Winter 76 Addenda, N/A Code Case

(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 89, Addenda NO

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
Snubber	Pacific Scientific	1883	N/A	MS-H-6A		Replaced	No
Snubber	Pacific Scientific	776	N/A	MS-H-6A	1980	Replacement	No

7. Description of Work: Snubber replacement.

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

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8½ 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-2 (Back)

9. Remarks: Applicable Manufacturer's Date 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 No. N/A Expiration Date N/A

Signed Dorinda Gougeon for Equipment Performance Supervisor Date 6/21/00
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of North Carolina and employed by Hartford Steam Boiler Inspection and Insurance Company of One State Street, Hartford Connecticut 06102 have inspected the components described in this Owner's Report during the period 11-29-98 to 5-12-00, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

[Signature] Commissions NB 9291ABNI, NC 1444
Inspector's Signature National Board, State, Province, and Endorsements

Date 6-29 2000

FORM NF-1 NPT CERTIFICATE HOLDERS' DATA REPORT FOR COMPONENT SUPPORTS*
As Required by the Provisions of the ASME Code Rules, Section III, Division 1

1. Manufactured by Pacific Scientific 1346 S. State College Blvd. Anaheim, CA 92803
(Name and address of NPT Certificate Holder)

2. Manufacturer for Southwest Fabricating and Welding
Carolina Power and Light
(Name and address of purchaser or owner)

3. Location of Installation Shearon Harris Nuclear Plants Newhill, Wake County,
North Carolina

4. Identification

(a) Component Support I. D. No.	(b) Canadian Registration No.	(c) Applicable Drawings with Last Rev. & Date	(d) Stress Report or Load Capacity Data Sheet	(e) Type of Component Support	(f) Class	(g) Nat'l Board No.	(h) Year Built
(1) <u>771-777</u>	<u>None</u>	<u>1801119-09</u>	<u>DR-1343</u> <u>Rev. 0</u>	<u>Linear</u>	<u>1</u>	<u>None</u>	<u>1980</u>
(2) _____	_____	_____	_____	_____	_____	_____	_____
(3) _____	_____	_____	_____	_____	_____	_____	_____
(4) _____	_____	_____	_____	_____	_____	_____	_____
(5) _____	_____	_____	_____	_____	_____	_____	_____
(6) _____	_____	_____	_____	_____	_____	_____	_____
(7) _____	_____	_____	_____	_____	_____	_____	_____
(8) _____	_____	_____	_____	_____	_____	_____	_____
(9) _____	_____	_____	_____	_____	_____	_____	_____
(10) _____	_____	_____	_____	_____	_____	_____	_____

5. Remarks _____

CERTIFICATE OF COMPLIANCE

We certify that the statements made in this report are correct and that these components supports conform to the rules of construction of the ASME Code for Nuclear Power Plant Components, Section III, Division 1, Edition 1977, Addenda Summer 1978.
Code Case No. 1644-b & 1686 (Date)

Date 25 January 80 Signed Pacific Scientific by Bill Jenkins
(NPT Certificate Holder)

Our ASME Certificate of Authorization No. N-1198 to use the Component Supports
(NPT)

Symbol expires 4 August 1981
(Date)

CERTIFICATION OF DESIGN

Design Information on File at Pacific Scientific

Stress Report or Load Capacity Data Sheets on File at Pacific Scientific

Filed per NA 3256
Design Specifications Certified by (1) Leo E. Ay PE State California

Reg. No. 13533

Stress Analysis Report or Load Capacity Data Sheets Certified by (1)
PE State California Reg No 13533

(1) List name only, signature not required Leo E. Ay

* Supplemental sheets in form of lists, sketches or drawings may be used provided (1) size is 8 1/2 in., (2) information in items 1, 2, 4c, 4g 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

FORM NF-1 (Back)

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 New York and employed by HSBI & I Co. of Hartford, CT have inspected the component supports described in this Data Report on 1/25 19 80 and state that to the best of my knowledge and belief the NPT Certificate Holder has constructed these component supports in accordance with the ASME Code for Nuclear Power Plant Components.

By signing this certificate, neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the component supports 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 1/25/80

Signed William Mey Commissions N.Y. Comm #2770
(Nat'l Bd., State, Prov., and No.)

CERTIFICATION OF FIELD INSPECTION

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 supports and state that the parts referred to as data items _____, not included in the certificate of shop inspection, have been inspected by me and that to the best of my knowledge and belief the NPT Certificate Holder has constructed these component supports in accordance with the ASME Code for Nuclear Power Plant Components

By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the component supports 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 _____
(Nat'l Bd., State, Prov., and No.)

FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS
As Required by the Provisions of the ASME Code Section XI

1. Owner Carolina Power & Light Company Date June 27, 2000
Name
P.O. Box 1551, Raleigh, N. C. 27602-1551 Sheet 1 of 2
Address
2. Plant Shearon Harris Nuclear Power Plant Unit 1
Name
P.O. Box 165, New Hill, N. C. 27562-0165 WR/JO 99-AASL1
Address Repair Organization P.O. No., Job No., etc.
3. Work Performed by Carolina Power & Light Company Type Code Symbol Stamp N/A
Name
P.O. Box 165 New Hill, N.C. 27562-0165 Authorization No. N/A
Address Expiration Date N/A
4. Identification of System: Main Steam ASME III, CLASS 2
5. (a) Applicable Construction Code ASME Sect. III 19 74 Edition, Winter 76 Addenda, N/A Code Case
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 89, Addenda NO
6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
Snubber	Pacific Scientific	657	N/A	MS-H-28B		Replaced	No
Snubber	Pacific Scientific	734	N/A	MS-H-28B	1979	Replacement	No

7. Description of Work: Snubber replacement.

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

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8½ 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-2 (Back)

9. Remarks: _____
Applicable Manufacturer's Date 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 No. N/A Expiration Date N/A

Signed Darwin Song for Equipment Performance Supervisor Date 6/27/00
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of North Carolina and employed by Hartford Steam Boiler Inspection and Insurance Company of One State Street, Hartford Connecticut 06102 have inspected the components described in this Owner's Report during the period 11-29-98 to 5-12-00, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

[Signature] Commissions NB 9291ABNI, NC 1444
Inspector's Signature National Board, State, Province, and Endorsements

Date 6-29 2000

FORM NF-1 NPT CERTIFICATE HOLDERS' DATA REPORT FOR COMPONENT SUPPORTS*
 As Required by the Provisions of the ASME Code Rules, Section III, Division 1

1. Manufactured by Pacific Scientific 1346 S. State College Blvd. Anaheim, Ca. 92803
Southwest Fabricating & (Name and address of NPT Certificate Holder)

2. Manufacturer for Welding Co., P.O. Box 9449 Houston, Texas 77101
Ebasco Services, Inc. Agents (Name and address of purchaser or owner)
for Carolina Power & Light, Shearon Harris Nuclear Plants,
Newhill, Wake County, North Carolina

3. Location of Installation Power & Light, Newhill, Wake County, North Carolina

4. Identification

(a) Component Support I.D. No.	(b) Canadian Registration No.	(c) Applicable Drawings with Last Rev. & Date	(d) Stress Report or Load Capacity Data Sheet	(e) Type of Component Support	(f) Class	(g) Nuc. Board No.	(h) Year Built
(1) 731-737	None	1801119-09-D	DR-1343- Rev. 0	Linear	1	None	1979
(2) _____	_____	_____	_____	_____	_____	_____	_____
(3) _____	_____	_____	_____	_____	_____	_____	_____
(4) _____	_____	_____	_____	_____	_____	_____	_____
(5) _____	_____	_____	_____	_____	_____	_____	_____
(6) _____	_____	_____	_____	_____	_____	_____	_____
(7) _____	_____	_____	_____	_____	_____	_____	_____
(8) _____	_____	_____	_____	_____	_____	_____	_____
(9) _____	_____	_____	_____	_____	_____	_____	_____
(10) _____	_____	_____	_____	_____	_____	_____	_____

5. Remarks _____

CERTIFICATE OF COMPLIANCE

We certify that the statements made in this report are correct and that these components supports conform to the rules of construction of the ASME Code for Nuclear Power Plant Components, Section III, Division 1, Edition '77 Addenda Summer '78
 Code Case No. 1644-6 (Date)

Date 19 November 1979 Signed Pacific Scientific by Bill Jenkins
 (NPT Certificate Holder)

Our ASME Certificate of Authorization No. 1198 to use the Component Supports
 (NPT)

Symbol expires Aug. 4, 1981
 (Date)

CERTIFICATION OF DESIGN

Design information on File at Pacific Scientific

Stress Report or Load Capacity Data Sheets on File at
Pacific Scientific
 Filed Per NA 3256

Design Specifications Certified by (1) Leo E. Ay PE State California

Reg. No. 13533

Stress Analysis Report or Load Capacity Data Sheets Certified by (1) Leo E. Ay
 PE State California Reg. No. 13533

(1) List name only, signature not required

* Supplemental sheets in form of lists, sketches or drawings may be used provided (1) size is 8 1/2 in (2) information in items 1, 2, 4c, 4g 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.

FORM NF-1 (Back)

CERTIFICATE OF SHOP INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State of Province of California and employed by HSBI&T Co. of Hartford, CT

78 have inspected the component supports described in this Data Report on 11-20 1979 and state that to the best of my knowledge and belief the NPT Certificate Holder has constructed these component supports in accordance with the ASME Code for Nuclear Power Plant Components.

By signing this certificate, neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the component supports 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 11/20/79

Signed W. H. Becker Commissions CA 1280
(Nat'l Bd., State, Prov., and No.)

CERTIFICATION OF FIELD 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 _____ and employed by _____ of _____

_____ have compared the statements in this Data Report with the described component supports and state that the parts referred to as data items _____, not included in the certificate of shop inspection, have been inspected by me and that to the best of my knowledge and belief the NPT Certificate Holder has constructed these component supports in accordance with the ASME Code for Nuclear Power Plant Components.

By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the component supports 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 _____
(Nat'l Bd., State, Prov., and No.)

FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS
 As Required by the Provisions of the ASME Code Section XI

1. Owner Carolina Power & Light Company Name Date June 27, 2000

P.O. Box 1551, Raleigh, N. C. 27602-1551 Address Sheet 1 of 2

2. Plant Shearon Harris Nuclear Power Plant Name Unit 1

P.O. Box 165, New Hill, N. C. 27562-0165 Address
 WR/JO 99-AATB1
 Repair Organization P.O. No., Job No., etc.

3. Work Performed by Carolina Power & light Company Name Type Code Symbol Stamp N/A

P.O. Box 165 New Hill, N.C. 27562-0165 Address Authorization No. N/A

Expiration Date N/A

4. Identification of System: Main Steam ASME III, CLASS 2

5. (a) Applicable Construction Code ASME Sect.III 19.74 Edition, Winter 76 Addenda, N/A Code Case

(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 89, Addenda NO

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
Snubber	Pacific Scientific	14281	N/A	MS-H-1390	1981	Replaced	No
Snubber	Pacific Scientific	8849	N/A	MS-H-1390	1979	Replacement	No

7. Description of Work: Snubber replacement.

8. Tests Conducted: Hydrostatic Pneumatic Nominal Operating Pressure
 Other Pressure _____ psi Test Temp. _____ of

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8½ 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-2 (Back)

9. Remarks: _____
Applicable Manufacturer's Date 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 No. N/A Expiration Date N/A

Signed Dayan Dong for Equipment Performance Supervisor Date 6/27/00
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of North Carolina and employed by Hartford Steam Boiler Inspection and Insurance Company of One State Street, Hartford Connecticut 06102 have inspected the components described in this Owner's Report during the period 11-29-98 to 5-12-00, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

[Signature] Commissions NB 9291ABNI, NC 1444
Inspector's Signature National Board, State, Province, and Endorsements

Date 6-29 2000

FORM NF-1 NPT CERTIFICATE HOLDERS' DATA REPORT FOR COMPONENT SUPPORTS*
As Required by the Provisions of the ASME Code Rules, Section III, Division 1

1. Manufactured by Pacific Scientific 1346 S. State College Blvd. Anaheim, Ca 92803
(Name and address of NPT Certificate Holder)
 Southwest Fabricating &
2. Manufacturer for Welding Co., Inc. P.O. Box 9449 Houston, Texas 77011
(Name and address of purchaser or owner)
 Ebasco Services, Inc.
3. Location of Installation Agents for Carolina Power & Light Shearon Harris Nuclear Plants
Newhill, Wake County, N. Carolina

4. Identification

(a) Component Support I D No.	(b) Canadian Registration No	(c) Applicable Drawings with Last Rev. & Date	(d) Stress Report or Load Capacity Data Sheet	(e) Type of Component Support	(f) Class	(g) Nat'l Board No.	(h) Year Built
(1) 8720-8849	None	1801102-05-J	DR-1351- Rev. A	Linear	1	None	1979
(2) _____	_____	_____	_____	_____	_____	_____	_____
(3) _____	_____	_____	_____	_____	_____	_____	_____
(4) _____	_____	_____	_____	_____	_____	_____	_____
(5) _____	_____	_____	_____	_____	_____	_____	_____
(6) _____	_____	_____	_____	_____	_____	_____	_____
(7) _____	_____	_____	_____	_____	_____	_____	_____
(8) _____	_____	_____	_____	_____	_____	_____	_____
(9) _____	_____	_____	_____	_____	_____	_____	_____
(10) _____	_____	_____	_____	_____	_____	_____	_____

5. Remarks _____

CERTIFICATE OF COMPLIANCE

We certify that the statements made in this report are correct and that these components supports conform to the rules of construction of the ASME Code for Nuclear Power Plant Components, Section III, Division 1, Edition '77 Addenda Summer '78
(Date)

Code Case No. 1644-6

Date 21 December 79 Signed Pacific Scientific by Bill Jenkins
(NPT Certificate Holder)

Our ASME Certificate of Authorization No. 1198 to use the Component Supports
(NPT)

Symbol expires Aug. 4, 1981
(Date)

CERTIFICATION OF DESIGN

Design Information on File at Pacific Scientific

Stress Report or Load Capacity Data Sheets on File at

Pacific Scientific

Filed Per NA 3256

Design Specifications Certified by (1) Leo E. Ay PE State California

Reg. No 13533

Stress Analysis Report or Load Capacity Data Sheets Certified by (1) Leo E. Ay

PE State California Reg No 13533

(1) Last name only; signature not required

* Supplemental sheets in form of lists, sketches or drawings may be used provided (1) size is 8" x 11", (2) information in items 1-2 & 4c, 4g 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

FORM NF-1 (Back)

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 New York and employed by HSBI&I Co. of Hartford, CT have inspected the component supports described in this Data Report on 12/21 19 79 and state that to the best of my knowledge and belief the NPT Certificate Holder has constructed these component supports in accordance with the ASME Code for Nuclear Power Plant Components.

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

Date 12/21/79

Signed William G. Meyer Commissions A 4 Commission #2770
(Nat'l Bd., State, Prov., and No.)

CERTIFICATION OF FIELD INSPECTION

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 supports and state that the parts referred to as data items _____ not included in the certificate of shop inspection, have been inspected by me and that to the best of my knowledge and belief the NPT Certificate Holder has constructed these component supports in accordance with the ASME Code for Nuclear Power Plant Components

By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the component supports 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 _____
(Nat'l Bd., State, Prov., and No.)

FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS
As Required by the Provisions of the ASME Code Section XI

1. Owner Carolina Power & Light Company Date July 24, 2000
Name
P.O. Box 1551, Raleigh, N. C. 27602-1551 Sheet 1 of 2
Address
2. Plant Shearon Harris Nuclear Power Plant Unit 1
Name
P.O. Box 165, New Hill, N. C. 27562-0165 WR/JO 99-ABKU1
Address Repair Organization P.O. No., Job No., etc.
3. Work Performed by Carolina Power & Light Company Type Code Symbol Stamp N/A
Name
P.O. Box 165 New Hill, N.C. 27562-0165 Authorization No. N/A
Address Expiration Date N/A
4. Identification of System: Auxiliary Feedwater ASME III, CLASS 2
5. (a) Applicable Construction Code ASME Sect. III 19 74 Edition, WINTER 1976 Addenda, N/A Code Case
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 89.
6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
Bonnet	Anchor/Darling Valve Co.	SN5	N/A	N/A	N/A	Replaced	N/A
Bonnet	Anchor/Darling Valve Co.	N/A	N/A	B60598	N/A	Replacement	N/A

7. Description of Work: Replaced Bonnet on valve 1AF-65.
8. Tests Conducted: Hydrostatic Pneumatic Nominal Operating Pressure
Other Pressure _____ psi Test Temp. _____ of

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8½ 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.
(12/82)

FORM NIS-2 (Back)

9. Remarks: VT-2 leakage test was performed under WRJO 99-ABKU2.
Applicable Manufacturer's Date 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 No. N/A Expiration Date N/A

Signed Dojin Jay for Equipment Performance Supervisor Date 7/24/00
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of North Carolina and employed by Hartford Steam Boiler Inspection and Insurance Company of One State Street, Hartford Connecticut 06102 have inspected the components described in this Owner's Report during the period 11-29-98 to 5-12-00, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

Al Bennett Commissions NB 9291ABNI, NC 1444
Inspector's Signature National Board, State, Province, and Endorsements

Date 7-27 2000

Anchor/Darling

Valve Company

701 FIRST STREET
P.O. BOX 5428
WILLIAMSPORT, PA 17701
(717) 327-4800
TELEX: 759253

CERTIFICATE OF COMPLIANCE

CUSTOMER: Carolina Power and Light Company DATE: 5/6/94

CUSTOMER P.O. NO.: 7P1163CJ A/DV S.O. NO.: P-X575

EQUIPMENT: Spare Part for 6"-900# Swing Check Valve
Dwg. W7820149 Rev. B; S.O. E9074-1

<u>A/DV ITEM</u>	<u>QTY.</u>	<u>DESCRIPTION</u>	<u>PART CODE/ DRAWING NO.</u>	<u>MATERIAL</u>
1	1	Bonnet Item 002 CP&L P/N: 740-381-91	B60598	SA105

This is to certify that the above part has been manufactured, inspected and prepared for shipment in accordance with the requirements of the purchase order and processed in accordance with A/DV's Q.A. Manual Rev G, dated 10/22/93. This is to certify that this part was furnished in accordance with ASME Section III, 1971 Edition and Summer 1972 Addenda, Class 2.

This is also to certify that all testing, inspection, NDT and welding performed on this contract have been conducted in accordance with the requirements of the applicable Contract and Specification. This is to further certify that all required tests, inspections, NDT and welding requirements have been performed by qualified personnel, using approved procedures and approved certified materials. This is to certify that the part has been cleaned and packaged in accordance with the purchase order requirements.

Attached is a copy of the certification and documentation for your records.

Anchor/Darling Valve Company

G.D. Larson

G.D. Larson
Q.A. Engineer

Date: 5-6-94

ASME CERTIFICATION NO.: N-1713
EXPIRATION DATE: 4/15/95

FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS
As Required by the Provisions of the ASME Code Section XI

1. Owner Carolina Power & Light Company Date July 11, 2000
Name
P.O. Box 1551, Raleigh, N. C. 27602-1551 Address Sheet 1 of 2
2. Plant Shearon Harris Nuclear Power Plant Unit 1
Name
P.O. Box 165, New Hill, N. C. 27562-0165 Address WR/JO 99-AFIC2
Repair Organization P.O. No., Job No., etc.
3. Work Performed by Carolina Power & Light Company Type Code Symbol Stamp N/A
Name
P.O. Box 165 New Hill, N.C. 27562-0165 Address Authorization No. N/A
Expiration Date N/A
4. Identification of System: Charging System ASME III, CLASS 2
5. (a) Applicable Construction Code ASME Sect. III 19 74 Edition, WINTER 1976 Addenda, N/A Code Case
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 89, Addenda NO
6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
Trim	Copes-Vulcan	2515	N/A	1CS-38 A2370	N/A	Replacement	N/A
Trim	Copes-Vulcan	2506	N/A	95282-269-1	N/A	Replaced	N/A

7. Description of Work: Replaced trim on valve 1CS-38.

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

E: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8½ 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-2 (Back)

9. Remarks: _____
Applicable Manufacturer's Date 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 No. N/A Expiration Date N/A

Signed D. J. Jones for Equipment Performance Supervisor Date _____
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of North Carolina and employed by Hartford Steam Boiler Inspection and Insurance Company of One State Street, Hartford Connecticut 06102 have inspected the components described in this Owner's Report during the period 11-29-98 to 5-12-00, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

[Signature] Commissions NB 9291ABNI, NC 1444
Inspector's Signature National Board, State, Province, and Endorsements

Date 7-18 2000

FORM NPV-1 - (black)

Mark No	Material Spec. No.	Manufacturer	Remarks
(a) Bolting			
Studs S/N Lot F	ASME-SA453	Cartech	GR. 560
Nuts S/N Lot E	ASME-SA193	Erie Fastener	GR. B6
(b) Other Parts			
Plug S/N 2515	ASME-SA564	Cartech	GR. 630

8. Hydrostatic test 2175 psi CVI S/N 7310-95287-269-1

CERTIFICATION OF DESIGN

Design information on file at Westinghouse Electric Corp., Nuclear Energy System
 Stress analysis report on file at Not Applicable
 Design specifications certified by F.K. Deluse (I) Prof. Eng. ME State PA Reg. No. 17128
 Stress analysis report certified by Not Applicable (I) Prof. Eng. _____ State _____ Reg. No. _____
 We certify that the statements made in this report are correct
 Date 21 November 19 75 signed Copes-Vulcan, Inc. J.H. Sullivan
 (Manufacturer)
 Certificate of Authorization No. N-826 expires June 17, 1977

CERTIFICATE OF SHOP INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and in the State of Penna. and employed by Protection Mutual Ins. Co. Park Ridge, Ill. have inspected the equipment described in this report on 11-17 19 75 and state that to the best of my knowledge and belief, the manufacturer has constructed this equipment in accordance with the applicable sections 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, property damage or a loss of any kind arising from or connected with this inspection.
 Date 11-24 19 75
G. A. Smith (Inspector) Commission Natl. Bd. # 3275
 (National Board, State, Province and No.)

(I) Signature not required. List name only. ***Factory Mutual Systems**

DOCUMENTATION SUPPORTING A QAS REPORT

FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS
As Required by the Provisions of the ASME Code Section XI

1. Owner Carolina Power & Light Company Date July 11, 2000
Name
P.O. Box 1551, Raleigh, N. C. 27602-1551 Address Sheet 1 of 2
2. Plant Shearon Harris Nuclear Power Plant Unit 1
Name
P.O. Box 165, New Hill, N. C. 27562-0165 Address
WR/JO 99-ABXU3
Repair Organization P.O. No., Job No., etc.
3. Work Performed by Carolina Power & Light Company Type Code Symbol Stamp N/A
Name
P.O. Box 165 New Hill, N.C. 27562-0165 Address
Authorization No. N/A
Expiration Date N/A
4. Identification of System: MFIV Nitrogen Line ASME III, CLASS 2
5. (a) Applicable Construction Code ASME Sect. III 19 74 Edition, WINTER 1976 Addenda, N/A Code Case
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 89, Addenda NO
6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
Pipe Strap	Grinnell	N/A	N/A	FIG.-CL144N 2	N/A	Replacement	N/A
Plate	Dubose NES	N/A	N/A	N/A	N/A	Replacement	N/A
Plate	Dubose NES	N/A	N/A	HT# 1D321	N/A	Replacement	N/A
Plate	Dubose NES	N/A	N/A	HT# GJ19	N/A	Replacement	N/A
Tube Steel	Dubose NES	N/A	N/A	HT# 843064760	N/A	Replacement	N/A
Tube Steel	Dubose NES	N/A	N/A	HT# 715185	N/A	Replacement	N/A
Tube Steel	Dubose NES	N/A	N/A	N/A	N/A	Replacement	N/A

7. Description of Work: Installed new MFIV nitrogen line hangers (FW-H-815, 816, 817, 824, 825, and 826).

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

Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8½ 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.
(12/82)

FORM NIS-2 (Back)

9. Remarks: _____
Applicable Manufacturer's Date 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 No. N/A Expiration Date N/A

Signed *Dorjan Davis* for Equipment Performance Supervisor Date 7/11/00
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of North Carolina and employed by Hartford Steam Boiler Inspection and Insurance Company of One State Street, Hartford Connecticut 06102 have inspected the components described in this Owner's Report during the period 11-29-98 to 5-12-00, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

Col. Bennett Commissions NB 9291ABNI, NC 1444
Inspector's Signature National Board, State, Province, and Endorsements

Date 7-18 2000

FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS
As Required by the Provisions of the ASME Code Section XI

1. Owner Carolina Power & Light Company Date July 11, 2000
Name

P.O. Box 1551, Raleigh, N. C. 27602-1551 Sheet 1 of 2
Address

2. Plant Shearon Harris Nuclear Power Plant Unit 1
Name

P.O. Box 165, New Hill, N. C. 27562-0165 WR/JO 99-ABXX3
Address Repair Organization P.O. No., Job No., etc.

3. Work Performed by Carolina Power & Light Company Type Code Symbol Stamp N/A
Name

Authorization No. N/A

Expiration Date N/A

P.O. Box 165 New Hill, N.C. 27562-0165
Address

4. Identification of System: MFIV Nitrogen Line ASME III, CLASS 2

5. (a) Applicable Construction Code ASME Sect. III 19 74 Edition, WINTER 1976 Addenda, N/A Code Case

(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 89, Addenda NO

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
Pipe Strap	Grinnell	N/A	N/A	FIG.-CL144N 2	N/A	Replacement	N/A
Plate	Dubose NES	N/A	N/A	N/A	N/A	Replacement	N/A
Plate	Dubose NES	N/A	N/A	HT# 1D321	N/A	Replacement	N/A
Plate	Dubose NES	N/A	N/A	HT# GJ19	N/A	Replacement	N/A
Tube Steel	Dubose NES	N/A	N/A	HT# 843064760	N/A	Replacement	N/A
Tube Steel	Dubose NES	N/A	N/A	HT# 715185	N/A	Replacement	N/A
Tube Steel	Dubose NES	N/A	N/A	N/A	N/A	Replacement	N/A

7. Description of Work: Installed new MFIV nitrogen line hangers (FW-H-833, 834, 841, and 842).

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

: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8½ 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.
(12/82)

FORM NIS-2 (Back)

9. Remarks: _____
Applicable Manufacturer's Date 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 No. N/A Expiration Date N/A

Signed Darwin Jones for Equipment Performance Supervisor Date 7/11/00
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of North Carolina and employed by Hartford Steam Boiler Inspection and Insurance Company of One State Street, Hartford Connecticut 06102 have inspected the components described in this Owner's Report during the period 11-29-98 to 5-12-00, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

[Signature] Commissions NB 9291ABNI, NC 1444
Inspector's Signature National Board, State, Province, and Endorsements

Date 7-18 2000

FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS
As Required by the Provisions of the ASME Code Section XI

1. Owner Carolina Power & Light Company Date July 11, 2000
Name
P.O. Box 1551, Raleigh, N. C. 27602-1551 Sheet 1 of 2
Address
2. Plant Shearon Harris Nuclear Power Plant Unit 1
Name
P.O. Box 165, New Hill, N. C. 27562-0165 WR/JO 99-ABXY3
Address Repair Organization P.O. No., Job No., etc.
3. Work Performed by Carolina Power & light Company Type Code Symbol Stamp N/A
Name
P.O. Box 165 New Hill, N.C. 27562-0165 Authorization No. N/A
Address Expiration Date N/A
4. Identification of System: MFIV Nitrogen Line ASME III, CLASS 2
5. (a) Applicable Construction Code ASME Sect. III 19 74 Edition, WINTER 1976 Addenda, N/A Code Case
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 89, Addenda NO
6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
Pipe Strap	Grinnell	N/A	N/A	FIG.-CL144N 2	N/A	Replacement	N/A
Plate	Dubose NES	N/A	N/A	N/A	N/A	Replacement	N/A
Plate	Dubose NES	N/A	N/A	HT# 1D321	N/A	Replacement	N/A
Plate	Dubose NES	N/A	N/A	HT# GJ19	N/A	Replacement	N/A
Tube Steel	Dubose NES	N/A	N/A	HT# 843064760	N/A	Replacement	N/A
Tube Steel	Dubose NES	N/A	N/A	HT# 715185	N/A	Replacement	N/A
Tube Steel	Dubose NES	N/A	N/A	N/A	N/A	Replacement	N/A

7. Description of Work: Installed new MFIV nitrogen line hangers (FW-H-851, 852, 861, and 862).

8. Tests Conducted: Hydrostatic Pneumatic Nominal Operating Pressure
Other Pressure _____ psi Test Temp. _____ of

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8½ 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-2 (Back)

9. Remarks: _____
Applicable Manufacturer's Date 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 No. N/A Expiration Date N/A

Signed Dogun Dong for Equipment Performance Supervisor Date 7/11/00
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of North Carolina and employed by Hartford Steam Boiler Inspection and Insurance Company of One State Street, Hartford Connecticut 06102 have inspected the components described in this Owner's Report during the period 11-29-98 to 5-12-00, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

[Signature] Commissions NB 9291ABNI, NC 1444
Inspector's Signature National Board, State, Province, and Endorsements

Date 7-18 2000

FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS
 As Required by the Provisions of the ASME Code Section XI

1. Owner Carolina Power & Light Company Date July 11, 2000
 Name
P.O. Box 1551, Raleigh, N. C. 27602-1551 Sheet 1 of 2
 Address
2. Plant Shearon Harris Nuclear Power Plant Unit 1
 Name
P.O. Box 165, New Hill, N. C. 27562-0165 WR/JO 98-AHRG1
 Address Repair Organization P.O. No., Job No., etc.
3. Work Performed by Carolina Power & light Company Type Code Symbol Stamp N/A
 Name
P.O. Box 165 New Hill, N.C. 27562-0165 Authorization No. N/A
 Address Expiration Date N/A
4. Identification of System: Service Water ASME III, CLASS 2
5. (a) Applicable Construction Code ASME Sect. III 1974 Edition, WINTER 1976 Addenda, N/A Code Case
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 89, Addenda NO

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
Coloc Nut	Coloc Industries	N/A	N/A	732-863-46 732-862-88	N/A	Replacement	N/A

7. Description of Work: Installed new coloc nuts on hangers (SW-H-185, 186, 1914, and 1943).

8. Tests Conducted: Hydrostatic Pneumatic Nominal Operating Pressure
 Other Pressure _____ psi Test Temp. _____ of

⚠: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8½ 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-2 (Back)

9. Remarks: _____
Applicable Manufacturer's Date 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 No. N/A Expiration Date N/A

Signed Deyun Jiang for Equipment Performance Supervisor Date 7/11/00
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of North Carolina and employed by Hartford Steam Boiler Inspection and Insurance Company of One State Street, Hartford Connecticut 06102 have inspected the components described in this Owner's Report during the period 11-29-98 to 5-12-00, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

[Signature] Commissions NB 9291ABNI, NC 1444
Inspector's Signature National Board, State, Province, and Endorsements

Date 7-18 2000

FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS
As Required by the Provisions of the ASME Code Section XI

1. Owner Carolina Power & Light Company Date July 11, 2000
Name
P.O. Box 1551, Raleigh, N. C. 27602-1551 Sheet 1 of 2
Address
2. Plant Shearon Harris Nuclear Power Plant Unit 1
Name
P.O. Box 165, New Hill, N. C. 27562-0165 WR/JO 98-AHRG2
Address Repair Organization P.O. No., Job No., etc.
3. Work Performed by Carolina Power & light Company Type Code Symbol Stamp N/A
Name
P.O. Box 165 New Hill, N.C. 27562-0165 Authorization No. N/A
Address Expiration Date N/A
4. Identification of System: Service Water ASME III, CLASS 2
5. (a) Applicable Construction Code ASME Sect. III 19 74 Edition, WINTER 1976 Addenda, N/A Code Case
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 89, Addenda NO
6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
Coloc Nut	Coloc Industries	N/A	N/A	732-863-46 732-862-88 732-863-04	N/A	Replacement	N/A

7. Description of Work: Installed new coloc nuts on hangers (SW-H-2039 and 2041).

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

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8½ 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.
(12/82)

FORM NIS-2 (Back)

9. Remarks: _____
Applicable Manufacturer's Date 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 No. N/A Expiration Date N/A

Signed Dorjan Jones for Equipment Performance Supervisor Date 7/11/00
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of North Carolina and employed by Hartford Steam Boiler Inspection and Insurance Company of One State Street, Hartford Connecticut 06102 have inspected the components described in this Owner's Report during the period 11-29-98 to 5-12-00, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

[Signature] Commissions NB 9291ABNI, NC 1444
Inspector's Signature National Board, State, Province, and Endorsements

Date 7-18 2000

FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS
As Required by the Provisions of the ASME Code Section XI

1. Owner Carolina Power & Light Company Date July 11, 2000
Name
P.O. Box 1551, Raleigh, N. C. 27602-1551 Sheet 1 of 2
Address
2. Plant Shearon Harris Nuclear Power Plant Unit 1
Name
P.O. Box 165, New Hill, N. C. 27562-0165 WR/JO 98-AHRG3
Address Repair Organization P.O. No., Job No., etc.
3. Work Performed by Carolina Power & Light Company Type Code Symbol Stamp N/A
Name
P.O. Box 165 New Hill, N.C. 27562-0165 Authorization No. N/A
Address Expiration Date N/A
4. Identification of System: Service Water ASME III, CLASS 2
5. (a) Applicable Construction Code ASME Sect. III 19 74 Edition, WINTER 1976 Addenda, N/A Code Case
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 89, Addenda NO
6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
Coloc Nut	Coloc Industries	N/A	N/A	732-862-96 732-862-62 732-863-46	N/A	Replacement	N/A

7. Description of Work: Installed new coloc nuts on hanger SW-H-245.

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

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8½ 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.
(12/82)

FORM NIS-2 (Back)

9. Remarks: _____
Applicable Manufacturer's Date 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 No. N/A Expiration Date N/A

Signed Darwin Dong for Equipment Performance Supervisor Date 7/11/00
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of North Carolina and employed by Hartford Steam Boiler Inspection and Insurance Company of One State Street, Hartford Connecticut 06102 have inspected the components described in this Owner's Report during the period 11-29-98 to 5-12-00, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

[Signature] Commissions NB 9291ABNI, NC 1444
Inspector's Signature National Board, State, Province, and Endorsements

Date 7-18 2000

FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS
As Required by the Provisions of the ASME Code Section XI

1. Owner Carolina Power & Light Company Date July 11, 2000
Name
P.O. Box 1551, Raleigh, N. C. 27602-1551 Sheet 1 of 2
Address
2. Plant Shearon Harris Nuclear Power Plant Unit 1
Name
P.O. Box 165, New Hill, N. C. 27562-0165 WR/JO 98-AHRG4
Address Repair Organization P.O. No., Job No., etc.
3. Work Performed by Carolina Power & Light Company Type Code Symbol Stamp N/A
Name
P.O. Box 165 New Hill, N.C. 27562-0165 Authorization No. N/A
Address Expiration Date N/A
4. Identification of System: Service Water ASME III, CLASS 2
5. (a) Applicable Construction Code ASME Sect. III 1974 Edition, WINTER 1976 Addenda, N/A Code Case
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 89, Addenda NO
6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
Coloc Nut	Coloc Industries	N/A	N/A	732-862-88 732-862-62 735-239-87	N/A	Replacement	N/A

7. Description of Work: Installed new coloc nuts on hanger SW-H-246.

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

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8½ 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.
(12/82)

FORM NIS-2 (Back)

9. Remarks: _____
Applicable Manufacturer's Date 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 No. N/A Expiration Date N/A

Signed Dagun Song for Equipment Performance Supervisor Date 7/11/00
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of North Carolina and employed by Hartford Steam Boiler Inspection and Insurance Company of One State Street, Hartford Connecticut 06102 have inspected the components described in this Owner's Report during the period 11-29-98 to 5-12-00, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

[Signature] Commissions NB 9291ABNI, NC 1444
Inspector's Signature National Board, State, Province, and Endorsements

Date 7-18 2000

FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS
As Required by the Provisions of the ASME Code Section XI

1. Owner Carolina Power & Light Company Date July 11, 2000
Name
P.O. Box 1551, Raleigh, N. C. 27602-1551 Sheet 1 of 2
Address
2. Plant Shearon Harris Nuclear Power Plant Unit 1
Name
P.O. Box 165, New Hill, N. C. 27562-0165 WR/JO 99-AHXU1
Address Repair Organization P.O. No., Job No., etc.
3. Work Performed by Carolina Power & light Company Type Code Symbol Stamp N/A
Name
P.O. Box 165 New Hill, N.C. 27562-0165 Authorization No. N/A
Address Expiration Date N/A
4. Identification of System: Auxiliary Feedwater ASME III, CLASS 2
5. (a) Applicable Construction Code ASME Sect. III 19 74 Edition, WINTER 1976 Addenda, N/A Code Case
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 89, Addenda NO
6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
Coloc Nut	Coloc Industries	N/A	N/A	732-862-88	N/A	Replacement	N/A

7. Description of Work: Installed new coloc nuts on hanger AF-H-485.

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

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8½ 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-2 (Back)

9. Remarks: _____
Applicable Manufacturer's Date 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 No. N/A Expiration Date N/A

Signed Dorin Jones for Equipment Performance Supervisor Date 7/11/00
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of North Carolina and employed by Hartford Steam Boiler Inspection and Insurance Company of One State Street, Hartford Connecticut 06102 have inspected the components described in this Owner's Report during the period 11-29-98 to 5-12-00, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

[Signature] Commissions NB 9291ABNI, NC 1444
Inspector's Signature National Board, State, Province, and Endorsements

Date 7-18 2000

WRJO NO. 99-ABY61
 R/R NO. HKK-FW-V28SAB-057
 ASME II, CLASS 2

FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS
 As Required by the Provisions of the ASME Code Section IX

1. Owner CAROLINA POWER AND LIGHT CO Date May 2, 2000
 Name
411 FAYETTEVILLE STREET
RALIEGH NC 27602
 Address Sheet 1 of 2

2. Plant HARRIS NUCLEAR PLANT Unit 1
 Name
PO Box 165
NEW HILL NC 27562
 Address Work Order No. S-0466-3

3. Work Performed by FLOWSERVE CORP Repair Organization P.O. No., Job No. etc.
 Name Type Code Symbol Stamp N/A
 Authorization No. N/A
701 FIRST STREET, WILLIAMSPORT, PA. 17701 Expiration Date N/A
 Address

4. Identification of System MAIN FEEDWATER SYSTEM Line No. _____

5. (a) Applicable Construction Code III 19 74 Edition, WINTER ADDENDA 1976 Code Case N/A
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 89

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
MAIN FEEDWATER ISOLATION VALVE	BW/IP	58827	2282	N/A	1980	REPAIRED	YES

7. Description of Work REPLACE DISC, GUIDES, SEATS, STEM, BONNET AND DISC CARRIER STOP.

8. Tests conducted: Hydrostatic Pneumatic Nominal Operating Pressure
 Other Pressure N/A psi Test Temp. N/A °F.

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size 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-2 (BACK)

9. Remarks NDE INSPECTIONS ONLY. PRESSURE TESTS/VT-2 TO BE PERFORMED BY THE OWNER AT A LATER DATE.

10. _____
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 NR

Certificate of Authorization No. NR 44 Expiration Date July 10, 2001

Signed [Signature] QA ENGINEER Date May 2 2000
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of N. CAROLINA and employed by HSRI & I of HARTFORD CT have inspected the components described in this Owner's Report during the period 4-15-00 to 5-2-00, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

[Signature] Commissions NO929/NTAB NC 1999
Inspector's Signature National Board, State, Province, and Endorsements

Date 5-2 2000

FORM N-2 NPT CERTIFICATE HOLDERS' DATA REPORT FOR NUCLEAR PART AND APPURTENANCES*

As required by the Provision of the ASME Code Rules, Section III, Div. 1

1. (a) Manufactured by Flowserve Corp., 701 First Street, Williamsport, PA 17701
(Name and address of NPT Certificate Holder)
 (b) Manufactured for Carolina Power & Light Co., P.O. Box 870, Raleigh, NC. 27602.
(Name and address of N Certificate Holder for completed nuclear component)

2. Identification-Certificate Holder's Serial No. of Part SN: 3 Nat'l Bd. No. N/A

(a) Constructed According to Drawing No. D13984 Drawing Prepared by Flowserve Corp.
 (b) Description of Part Inspected Bonnet, one (1) Each
 (c) Applicable ASME Code: Section III, Edition 1974, Addenda date (W) 1976, Case No. N/A Class 2

3. Remarks: (FWIV) Flex Wedge Modification Part (Bonnet) for 16"-921#-Parallel Slide Gate Valves. Job# E350A-14. Material: SA105; HT# G5385.
(Brief description of service for which component was designed)
No Hydro-test performed.

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 NPT Certificate Holder for parts. An NPT Certificate Holder for appurtenances is responsible for furnishing a separate Design Specification and Stress Report if the appurtenance is not included in the component Design Specification and Stress Report.)

Date 12-18-99 19____ Signed Flowserve Corp. By PR Delker
(NPT Certificate Holder)

Certificate of Authorization Expires 4/15/01 Certificate of Authorization No. N1713

CERTIFICATION OF DESIGN FOR APPURTENANCE (when applicable)

Design information on file at N/A
 Stress analysis report on file at N/A
 Design specifications certified by N/A Prof. Eng. State _____ Reg. No. _____
 Stress analysis report certified by N/A 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 Pennsylvania and employed by Commercial Union Insurance Company of Boston, Mass. have inspected the part of a pressure vessel described in this Partial Data Report on 8-18-99 thru 12-20-97 19____, and state that to the best of my knowledge and belief, the NPT Certificate Holder 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 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 12-20 1997
 Inspector's Signature Charles Young Commission Pennsylvania 2392
National Board, State, Province and No.

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

FORM N-2 NPT CERTIFICATE HOLDERS' DATA REPORT FOR NUCLEAR PART AND APPURTENANCES*

As required by the Provision of the ASME Code Rules, Section III, Div. 1

1. (a) Manufactured by Flowserve Corp., 701 First Street, Williamsport, PA 17701
(Name and address of NPT Certificate Holder)
- (b) Manufactured for Carolina Power & Light Co., P.O. Box 870, Raleigh, NC. 27602.
(Name and address of N Certificate Holder for completed nuclear component)
2. Identification-Certificate Holder's Serial No. of Part SN:5 & SN: 6 Nat'l Bd. No. N/A
- (a) Constructed According to Drawing No. F6033 Drawing Prepared by Flowserve Corp.
- (b) Description of Part Inspected Discs, two (2) Each
- (c) Applicable ASME Code: Section III, Edition 1974, Addenda date (W) 1976, Case No. N/A, Class 2
3. Remarks: (FWIV) Flex Wedge Modification Parts (Discs) for 16'-921#-Parallel Slide Gate Valves. Job# E350A-14 Material: SA105; HT# G5190
(Brief description of service for which component was designed)
- No Hydro-test performed.

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 NPT Certificate Holder for parts. An NPT Certificate Holder for appurtenances is responsible for furnishing a separate Design Specification and Stress Report if the appurtenance is not included in the component Design Specification and Stress Report.)

Date 12-18-99 19____ Signed Flowserve Corp. By RR Decker
(NPT Certificate Holder)

Certificate of Authorization Expires 4/15/01 Certificate of Authorization No. N1713

CERTIFICATION OF DESIGN FOR APPURTENANCE (when applicable)

Design information on file at N/A

Stress analysis report on file at N/A

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

Stress analysis report certified by N/A 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 Pennsylvania and employed by Commercial Union Insurance Company of Boston, Mass. have inspected the part of a pressure vessel described in this Partial Data Report on 7-30-99 thru 12-20-99 1999 and state that to the best of my knowledge and belief, the NPT Certificate Holder 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 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 12-20 1999

Charles Young
 Inspector's Signature



Commissions Pennsylvania 2392
 National Board, State, Province and No.

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

**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

1. Fabricated and certified by Flowserve Corporation, 701 First Street, Williamsport, PA 17701
(name and address of NPT Certificate Holder)
2. Fabricated for Carolina Power & Light Company
(name and address)
3. Location of installation Shearon Harris Nuclear Station, 5413 Shearon Harris Rd. NC 27562
(name and address of Purchaser)
4. Type E350A-14-1 N/A C33567 R/A N/A 1999
(Cert. Holder's serial no.) (CRN) (drawing no.) (Nat'l. Bd. no.) (year built)
5. ASME Code, Section III, Division 1: 1974 (W) 1976 2 N/A
(edition) (addenda date) (class) (Code Case no.)
6. Shop hydrostatic test 2500 psi at Ambient °F (if performed)
7. Description of piping Pipe cap (vent), 1/4"-3000#, SA105, Vent Pipes, 3/4" Sch. 80, SA106-B, Ht #364383, Vent Pipe, 1/4" Sch. 80, SA106-B, Ht #268672
8. Certificate Holders' Data Reports properly identified and signed by commissioned inspectors have been furnished for the following items of this report: E350A-15-3 3/4"-1690#-Globe Valve
E350A-16-3 3/4 x 1/4"-1690#-Globe Valve
9. Remarks: N/A

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. N1713 Expires 4/15/01
 Date 12/22/99 Name Flowserve Corporation Signed RR Decker
(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 Pennsylvania and employed by Commercial Union Insurance Co. of Boston, MA

have inspected the piping subassembly described in this Data Report on 12-17-99 12-22-99 and state that 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 12-22-99 Signed Charles Young Commissions PA2392
(Authorized Inspector) (Nat'l. Bd. (incl. endorsements) and state or prov. and no.)



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

FORM QAS-14-1 SUPPLEMENTAL DATA REPORT FOR NUCLEAR VALVES OR PARTS

1. Work performed by Flowsolve Corp. R350A-023
(Shop Order No.)
701 First Street, Williamsport, PA 17701

2. Owner Carolina Power & Light Co., P.O. Box 870, Raleigh, NC 27602
(Name and Address)

3. Name of Nuclear Power Plant Shearon Harris Nuclear Plant

4. Address of Nuclear Power Plant 5413 Shearon Harris Rd., New Hill, NC 27562

5. a. Identification of Component Repaired or Replacement Component Discs for 16"-921# Parallel Slide Gate
b. Name of Manufacturer (If different from Line 1) same
c. Identifying Nos. 5 -- Ht. #G5190 1999
(Mfr.'s Serial No.) (Nat'l Bd. No.) (Other) (Year Built)

6. Application Edition of Section III of ASME Code 1974 Addenda W'76 Code Case N/A

7. Description of Work Remachine discs to revision A of drawing F6033. Dimensional
(Use of additional sheet(s) or sketch(es) is acceptable if properly identified)
inspect and I.P. inspect hardfacing.

CERTIFICATE OF COMPLIANCE

We certify that the statements made in this report are correct and this repair or replacement conforms to Section III of the ASME Code Signed B. Kness O A Engineer
(Authorized Representative of Repair Organization) (True)

4/28/00 Our ASME Certificate of Authorization No. NI713 to use the NPT symbol expires 4/15/01

CERTIFICATE OF INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors, employed by Commercial Union Insurance Company of Boston, Mass have inspected the repair or replacement described in this Report on 4-28-00 and state that to the best of my knowledge and belief, this repair or replacement has been made or constructed in accordance with Section III of the ASME Code. By signing this certificate, neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the repair or replacement described in this Report. Furthermore, neither the Inspector nor his employer shall be 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 4-28-00 Charles Young Commissions Pennsylvania 2392 
(Inspector) (State or Providence, Nat'l Board)

Williamsport, Pennsylvania

FORM QAS-14-1 SUPPLEMENTAL DATA REPORT FOR NUCLEAR VALVES OR PARTS

1. Work performed by FlowsERVE Corp R350A-023
(Shop Order No.)
701 First Street, Williamsport, PA 17701
2. Owner Carolina Power & Light Co., P.O. Box 870, Raleigh, NC 27602
(Name and Address)
3. Name of Nuclear Power Plant Shearon Harris Nuclear Plant
4. Address of Nuclear Power Plant 5413 Shearon Harris Rd., New Hill, NC 27562
5. a. Identification of Component Repaired or Replacement Component Discs for 16"-921# Parallel Slide Gate
 b. Name of Manufacturer (If different from Line 1) same
 c. Identifying Nos.

<u>6</u>	<u>--</u>	<u>#G5190</u>	<u>1999</u>
<small>(Mfr.'s Serial No.)</small>	<small>(Nuc'l Bd. No.)</small>	<small>(Other)</small>	<small>(Year Built)</small>
6. Application Edition of Section III of ASME Code 19 74 Addenda w/ 76 Code Case N/A
7. Description of Work Remachine discs to revision A of drawing F6033. Dimensional inspect and I.P. inspect hardfacing.
(Use of additional sheet(s) or sketch(es) is acceptable if properly identified)

CERTIFICATE OF COMPLIANCE

We certify that the statements made in this report are correct and this repair or replacement conforms to Section III of the ASME Code. Signed B. K... O A Engineer
(Authorized Representative of Repair Organization) (Title)

4/29/01 is Our ASME Certificate of Authorization No NI713 to use the NPT symbol expires 4/15/01

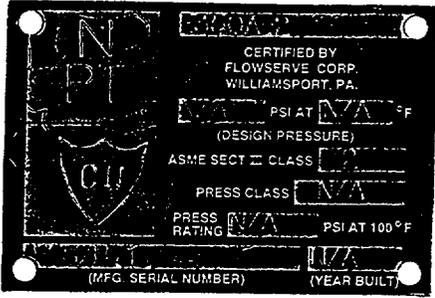
CERTIFICATE OF INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors, employed by Commercial Union Insurance Company of Boston, Mass. have inspected the repair or replacement described in this Report on 4-28-01 ~~to~~ EO and state that to the best of my knowledge and belief, this repair or replacement has been made or constructed in accordance with Section III of the ASME Code. By signing this certificate, neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the repair or replacement described in this Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection.

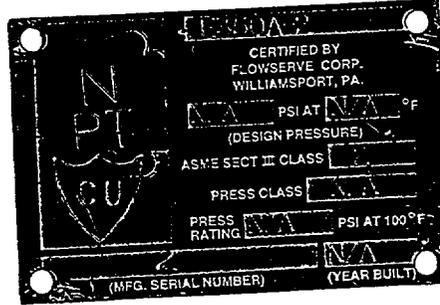
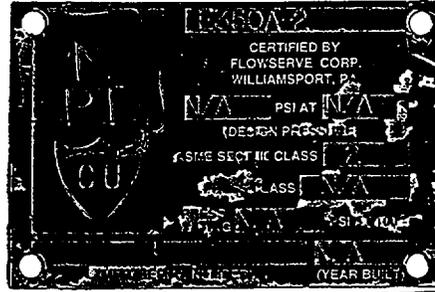
Date 4-28-01 Charles Young Commissions Pennsylvania 2392
(Inspector) Charles Young (State or Providence, Nuc'l Board)



1FW-277
ASME Code Data Tags



Bonnet



Discs

FORM NR-1 REPORT OF REPAIR MODIFICATION OR INSTALLATION OF REPLACEMENT(S)
TO NUCLEAR COMPONENTS AND SYSTEMS IN NUCLEAR POWER PLANTS

1. Work performed by FLOWSERVE CORP 5-0466-3
(name of organization) (P.O. no., job no., etc.)
701 1ST STREET - WILLIAMSPORT, PA 17701
(address)

2. Owner CAROLINA POWER AND LIGHT CO
(name)
411 FAYETTEVILLE STREET RALEIGH N.C. 27602
(address)

3. Name, address and identification of nuclear power plant HARRIS NUCLEAR PLANT
PO BOX 165, NEW HILL N.C. 27562

4. System MAIN FEED WATER

5. a: Component repaired, modified or replaced I-FW-217
 b: Name of manufacturer BW/IP INTERNATIONAL
 c: Identifying nos. SB827 2282 N/A N/A 1980
(mfr's serial no.) (Nat'l Bd. No.) (jurisdictional no.) (other) (year built)
 d: Construction Code ASME SEC III 1974 WINTER 1976 N/A 2
(name/section/division) (edition) (addenda) (Code Case(s)) (Code Class)

6. ASME Code Section XI applicable for inservice inspection: 1989 N/A N/A
(edition) (addenda) (Code Case(s))

7. ASME Code Section XI used for repairs, modifications, or replacements: 1989 N/A N-416-1
(edition) (addenda) (Code Case(s))

8. Construction Code used for repairs, modifications, or replacements: 1974 WINTER 1976 N/A
(edition) (addenda) (Code Case(s))

9. Design responsibilities _____

10. Tests conducted: hydrostatic pneumatic design pressure pressure SEE #12 psi Code Case(s) _____

11. Description of work REPLACE DISC, SEATS, GUIDES, STEM, BONNET AND DISC
(use of properly identified additional sheet(s) or sketch(es) is acceptable)
CARRIER STOP.

12. Remarks: PRESSURE TEST/VT-2 PERFORMED BY OWNER
SEE ATTACHED DATA REPORTS FOR PARTS.

CERTIFICATE OF COMPLIANCE

I, RICHARD HARBISON, certify that the statements made in this report are correct and the repair, modification or replacement of the items described above conforms to Section XI of the ASME Code and to the National Board Inspection Code "NR" rules.

National Board Certificate of Authorization No. NR 44 to use the "NR stamp expires July 10, 19 2001

Date May 2, 19 2000 Signed FLOWSERVE CORP. Richard Harbison QA ENGINEER
(name of repair organization) (authorized representative) (title)

CERTIFICATE OF INSPECTION

I, GARY L. BELLVILLE, holding a valid commission issued by The National Board of Boiler and Pressure Vessel Inspectors and certificate of competency issued by the jurisdiction of N. CAROLINA and employed by HSRT & I of HARTFORD CT have inspected the repair, modification or replacement described in this report on 5-2, 192000 and state that to the best of my knowledge and belief, this repair, modification or replacement has been completed in accordance with Section XI of the ASME Code and the National Board Inspection Code "NR" rules.

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

Date 5-2, 19 2000 Signed G. Bellville Commissions NR929/NTAB NCI/RAE
(inspector) (National Board (incl endorsements), and jurisdiction, and no.)

WRJO NO. 99-ABYH1
 RIR NO. HKK-FW-V27SAB-058
 ASME III, CLASS 2

FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS
 As Required by the Provisions of the ASME Code Section IX

1. Owner CAROLINA POWER AND LIGHT CO Date MAY 2, 2000
 Name
411 FAYETTEVILLE STREET
RALIEGH NC 27602
 Address

Sheet 1 of 2

2. Plant HARRIS NUCLEAR PLANT Unit 1
 Name
PO Box 165
NEW HILL NC 27562
 Address

Work Order No. S-0466-2

3. Work Performed by FLOWSERVE CORP
 Name
701 FIRST STREET, WILLIAMSPORT, PA. 17701
 Address

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

4. Identification of System MAIN FEEDWATER SYSTEM Line No. _____

5. (a) Applicable Construction Code III 19 74 Edition WINTER ADDENDA 1976 Code Case N/A
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 89

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
<u>MAIN ESCALATED FEEDWATER VALVE</u>	<u>BWEP</u>	<u>58828</u>	<u>2296</u>	<u>N/A</u>	<u>198</u>	<u>REPAIRED</u>	<u>YES</u>

7. Description of Work REPLACE DISC, GUIDES, SEATS, STEM, BONNET AND DISC CARRIER STOP.

8. Tests conducted: Hydrostatic Pneumatic Nominal Operating Pressure
 Other Pressure N/A psi Test Temp. N/A °F.

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size 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-2 (BACK)

9. Remarks NDE INSPECTIONS ONLY. PRESSURE TESTS/VT-2 TO BE PERFORMED BY THE OWNER AT A LATER DATE

10. _____
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 NR

Certificate of Authorization No. NR 44 Expiration Date July 10, 2001

Signed [Signature] QA ENGINEER Date May 2 18 2000
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of N. CAROLINA and employed by HSBT & I of HARTFORD CT have inspected the components described in this Owner's Report during the period 4-15-00 to 5-2-00, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

[Signature] Commissions 08929/NTAB NC 1494
Inspector's Signature National Board, State, Province, and Endorsements

Date 5-2 18 2000

FORM N-2 NPT CERTIFICATE HOLDERS' DATA REPORT FOR NUCLEAR PART AND APPURTENANCES*

As required by the Provision of the ASME Code Rules, Section III, Div. 1

1. (a) Manufactured by Flowserve Corp., 701 First Street, Williamsport, PA 17701
(Name and address of NPT Certificate Holder)
 (b) Manufactured for Carolina Power & Light Co., P.O. Box 870, Raleigh, NC. 27602.
(Name and address of N Certificate Holder for completed nuclear component)

2. Identification-Certificate Holder's Serial No. of Part SN: 1 & SN: 2 Nat'l Bd. No. N/A

(a) Constructed According to Drawing No. D13984 Drawing Prepared by Flowserve Corp.

(b) Description of Part Inspected Bonnets, two (2), Each

(c) Applicable ASME Code: Section III, Edition 1974, Addenda date (W) 1976, Case No. N/A Class 2

3. Remarks: (FWIV) Flex Wedge Modification Parts (Bonnets) for 16"-921#-Parallel Slide Gate Valves. Job# E350A-2 Material: SA105; HT# G5385.
(Brief description of service for which component was designed)
No Hydro-test preformed.

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 NPT Certificate Holder for parts. An NPT Certificate Holder for appurtenances is responsible for furnishing a separate Design Specification and Stress Report if the appurtenance is not included in the component Design Specification and Stress Report.)

Date 12-18-99 19 99 Signed Flowserve Corp. By R. R. Delker
(NPT Certificate Holder)

Certificate of Authorization Expires 4/15/01 Certificate of Authorization No. N1713

CERTIFICATION OF DESIGN FOR APPURTENANCE (when applicable)

Design information on file as N/A

Stress analysis report on file as N/A

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

Stress analysis report certified by N/A 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 Pennsylvania and employed by Commercial Union Insurance Company of Boston, Mass. have inspected the part of a pressure vessel described in this Partial Data Report on 8-18-99 to 12-20-99 19 99 and state that to the best of my knowledge and belief, the NPT Certificate Holder 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 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 12-20 19 99

Charles Young Inspector's Signature  Commission Pennsylvania 2392
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 on this Data Report is included on each sheet, and (3) each sheet is numbered and number of sheets is recorded in item 2, "Remarks".

(10/77) This form (E00040) may be obtained from the Order Dept., ASME, 345 E. 47th St., New York, N.Y. 10017

FORM N-2 NPT CERTIFICATE HOLDERS' DATA REPORT FOR NUCLEAR PART AND APPURTENANCES*

As required by the Provision of the ASME Code, Rules, Section III, Div. 1

1. (a) Manufactured by Flowserve Corp., 701 First Street, Williamsport, PA 17701
(Name and address of NPT Certificate Holder)
- (b) Manufactured for Carolina Power & Light Co. P.O. Box 870, Raleigh, NC. 27602.
(Name and address of NPT Certificate Holder for completed nuclear component)
2. Identification-Certificate Holder's Serial No. of Part SN: (1,2), 3,4 Nat'l Bd. No. N/A
- (a) Constructed According to Drawing No. F6033 Drawing Prepared by Flowserve Corp.
- (b) Description of Part Inspected Discs, four (4) Each
- (c) Applicable ASME Code: Section III, Edition 1974, Addenda date (W) 1976, Case No. N/A Class 2
3. Remarks: (FWIV) Flex Wedge Modification Parts (Discs) for 16"-921#-Parallel Slide Gate Valves. Job# E350A-2 Material: SA105; HT# G5190
(Brief description of service for which component was designed)
No Hydro-test performed.

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 NPT Certificate Holder for parts. An NPT Certificate Holder for appurtenances is responsible for furnishing a separate Design Specification and Stress Report if the appurtenance is not included in the component Design Specification and Stress Report.)

Date 12-17-99 19____ Signed Flowserve Corp. By PR Delker
(NPT Certificate Holder)

Certificate of Authorization Expires 4/15/01 Certificate of Authorization No. N1713

CERTIFICATION OF DESIGN FOR APPURTENANCE (when applicable)	
Design information on file at _____	<u>N/A</u>
Stress analysis report on file at _____	<u>N/A</u>
Design specifications certified by _____	<u>N/A</u> Prof. Eng. State _____ Reg. No. _____
Stress analysis report certified by _____	<u>N/A</u> 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 <u>Pennsylvania</u> and employed by <u>Commercial Union Insurance Company</u> of <u>Boston, Mass.</u>	
have inspected the part of a pressure vessel described in this Partial Data Report on <u>2-30-99 thru 12-20-99</u> 19 <u>99</u> , and state that to the best of my knowledge and belief, the NPT Certificate Holder 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 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 <u>12-20</u> 19 <u>99</u>	Commissions <u>Pennsylvania 2392</u>
<u>Charles Young</u> Inspector's Signature	 National Board, State, Province and No.

**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

1. Fabricated and certified by Flowserve Corporation, 701 First Street, Williamsport, PA 17701
(name and address of NPT Certificate Holder)
2. Fabricated for Carolina Power & Light Company
(name and address)
3. Location of installation Shearon Harris Nuclear Station, 5413 Shearon Harris Rd. NC 27562
(name and address of Purchaser)
4. Type E350A-2-2 N/A C33567 R/A N/A 1999
(Cert. Holder's serial no.) (CRN) (drawing no.) (Nat'l. Bd. no.) (year built)
5. ASME Code, Section III, Division 1: 1974 (W) 1976 2 N/A
(edition) (addenda date) (class) (Code Case no.)
6. Shop hydrostatic test 2500 psi at Ambient °F (if performed)
7. Description of piping Pipe cap (vent), 1/4"-3000#, SA105, Vent Pipes, 3/4" Sch. 80, SA106-B, Ht #364383, Vent Pipe, 1/4" Sch. 80, SA106-B, Ht #268672
8. Certificate Holders' Data Reports properly identified and signed by commissioned inspectors have been furnished for the following items of this report: E350A-15-2 3/4"-1690#-Globe Valve
E350A-16-2 3/4" x 1/4"-1690#-Globe Valve
9. Remarks: N/A

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. N1713 Expires 4/15/01
 Date 12/22/99 Name Flowserve Corporation Signed RR Selker
(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 Pennsylvania and employed by Commercial Union Insurance Co. of Boston, MA

Data Report of 12-22-99 and state that 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 12-22-99 Signed [Signature] Commissions Pa 2392
(Authorized Inspector) (Nat'l. Bd. (incl. endorsements) and state or prov. and no.)

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



FORM QAS-14-1 SUPPLEMENTAL DATA REPORT FOR NUCLEAR VALVES OR PARTS

1. Work performed by Flowsolve Corp. R350A-023
(Shop Order No.)
701 First Street, WillamSPORT, PA 17701

2. Owner Carolina Power & Light Co., P.O. Box 870, Raleigh, NC 27602
 (Name and Address)

3. Name of Nuclear Power Plant Shearon Harris Nuclear Plant

4. Address of Nuclear Power Plant 5413 Shearon Harris Rd., New Hill, NC 27562

5. Identification of Component Repaired or Replacement Component Discs for 16"-921# Parallel Slide Gate
 b Name of Manufacturer (If different from Line 1) same
 c Identifying Nos. 1 -- HT. #G5190 1999
 (Mfr's Serial No.) (Natl Bd. No.) (Other) (Year Built)

6. Application Edition of Section III of ASME Code 1974 Addenda W-76 Code Case N/A

7. Description of Work Remachine discs to revision A of drawing F6033. Dimensional
 (Use of additional sheet(s) or sketch(es) is acceptable if properly identified)
inspect and I.P. inspect hardfacing.

CERTIFICATE OF COMPLIANCE

We certify that the statements made in this report are correct and this repair or replacement conforms to Section III of the ASME Code. Signed Skinner O.A. Engineer
(Title)
 (Authorized Representative of Repair Organization)

4/28/00 Our ASME Certificate of Authorization No. N1713 to use the NPT symbol expires 4/15/01

CERTIFICATE OF INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors, employed by Commercial Union Insurance Company of Boston Mass have inspected the repair or replacement described in this Report on 4-28 00 and state that to the best of my knowledge and belief, this repair or replacement has been made or constructed in accordance with Section III of the ASME Code. By signing this certificate, neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the repair or replacement described in this Report. Furthermore, neither the Inspector nor his employer shall be 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 4-28-00 Charles Young Commissions Pennsylvania 2392 
256
 (Inspector) (State or Providence, Nat'l Board)

FORM QAS-14-1 SUPPLEMENTAL DATA REPORT FOR NUCLEAR VALVES OR PARTS

1. Work performed by Flowsolve Corp. R350A-023
(Shop Order No.)
701 First Street, Williamsport, PA 17701

2. Owner Carolina Power & Light Co., P.O. Box 870, Raleigh, NC 27602
 (Name and Address)

3. Name of Nuclear Power Plant Shearon Harris Nuclear Plant

4. Address of Nuclear Power Plant 5413 Shearon Harris Rd., New Hill, NC 27562

5. a. Identification of Component Repaired or Replacement Component Discs for 16"-921# Parallel Slide Gat.
 b. Name of Manufacturer (If different from Line 1) same
 c. Identifying Nos. 2 -- #G5190 1999
 (Mfr.'s Serial No.) (Nat'l Bd No.) (Other) (Year Built)

6. Application Edition of Section III of ASME Code 19 74 Addenda w/ 76 Code Case N/A

7. Description of Work Remachine discs to revision A of drawing F6033. Dimensional
 (Use of additional sheet(s) or sketch(es) is acceptable if properly identified)
inspect and I. P. inspect hardfacing.

CERTIFICATE OF COMPLIANCE

We certify that the statements made in this report are correct and this repair or replacement conforms to Section III of the ASME Code. Signed D. Kress O.A. Engineer
(Title)
 (Authorized Representative of Repair Organization)

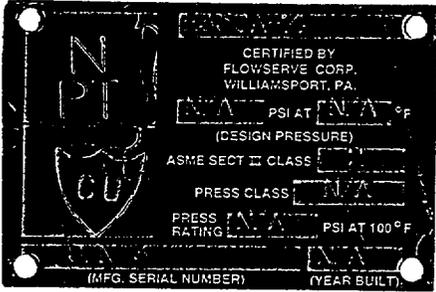
4/28/00 Our ASME Certificate of Authorization No. N1713 to use the NPT symbol expires 4/15/01

CERTIFICATE OF INSPECTION

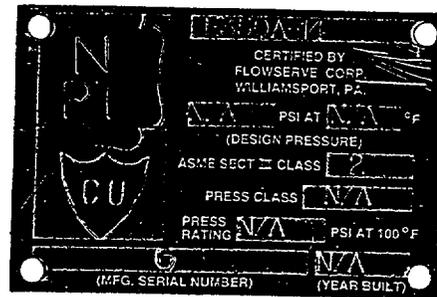
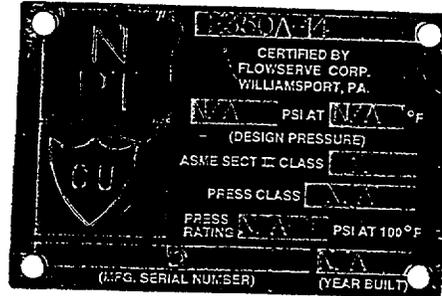
I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors, employed by Commercial Union Insurance Company of Boston, Mass have inspected the repair or replacement described in this Report on 4-28-00 and state that to the best of my knowledge and belief, this repair or replacement has been made or constructed in accordance with Section III of the ASME Code. By signing this certificate, neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the repair or replacement described in this Report. Furthermore, neither the Inspector nor his employer shall be 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 4-28-00 Charles Young Commissions Pennsylvania 2392 
(State or Providence, Nat'l Board)
 (Inspector)

1FW-217
ASME Code Data Tags



Bonnet



Discs

FORM NR-1 REPORT OF REPAIR MODIFICATION OR INSTALLATION OF REPLACEMENT(S)
 TO NUCLEAR COMPONENTS AND SYSTEMS IN NUCLEAR POWER PLANTS

1. Work performed by FLOWSERVE CORP S-0466-2
(name of organization) (P.O. no., job no., etc.)
701 1ST STREET - WILLIAMSPORT, PA 17701
(address)

2. Owner CAROLINA POWER AND LIGHT CO
(name)
411 FAYETTEVILLE STREET RALEIGH N.C. 27602
(address)

3. Name, address and identification of nuclear power plant HARRIS NUCLEAR PLANT
PO BOX 165, NEW HILL N.C. 27562

4. System MAIN FEED WATER

5. a: Component repaired, modified or replaced 1-FW-277
 b: Name of manufacturer BW/IP INTERNATIONAL
 c: Identifying nos. 58828 2296 N/A N/A A80
(mfr's serial no.) (Nat'l. Bd. No.) (jurisdictional no.) (other) (year built)
 d: Construction Code ASME SEC III 1974 WINTER 1976 N/A 2
(name/section/division) (edition) (addenda) (Code Case(s)) (Code Class)

6. ASME Code Section XI applicable for inservice inspection: 1989 N/A N/A
(edition) (addenda) (Code Case(s))

7. ASME Code Section XI used for repairs, modifications, or replacements: 1989 N/A N-416-1
(edition) (addenda) (Code Case(s))

8. Construction Code used for repairs, modifications, or replacements: 1974 WINTER 1976 N/A
(edition) (addenda) (Code Case(s))

9. Design responsibilities _____

10. Tests conducted: hydrostatic pneumatic design pressure pressure SEE # 12 psi Code Case(s) _____

11. Description of work REPLACE DISC, SEATS, GUIDES, STEM, BONNET AND DISC
(use of properly identified additional sheet(s) or sketch(es) is acceptable)
CARRIER STOP.

12. Remarks: PRESSURE TEST / VT-2 PERFORMED BY GUNNER
SEE ATTACHED DATA SHEETS FOR PARTS

CERTIFICATE OF COMPLIANCE

I, RICHARD HARRISON, certify that the statements made in this report are correct and the repair, modification or replacement of the items described above conforms to Section XI of the ASME Code and to the National Board Inspection Code "NR" rules.

National Board Certificate of Authorization No. NR 44 to use the "NR stamp expires July 10, 19 2001

Date MAY 2, 19 2000 Signed FLOWSERVE CORP Richard Harrison QA ENGINEER
(name of repair organization) (authorized representative) (title)

CERTIFICATE OF INSPECTION

I, GARY L. BRUNNELL, holding a valid commission issued by The National Board of Boiler and Pressure Vessel Inspectors and certificate of competency issued by the jurisdiction of N. CAROLINA and employed by HSBI & I of HARTFORD CT have inspected the repair, modification or replacement described in this report on 5-2, 19 2000 and state that to the best of my knowledge and belief, this repair, modification or replacement has been completed in accordance with Section XI of the ASME Code and the National Board Inspection Code "NR" rules.

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

Date 5-2, 19 2000 Signed G. Brunnell Commissions NB9291 WJRS NC 1989
(inspector) (National Board (incl endorsements), and jurisdiction, and no.)

WRJO NO. 99-ABYI
 R/R NO. HKK-FW-V26SAB-059
 ASME III, CASE 2

FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS
 As Required by the Provisions of the ASME Code Section IX

1. Owner CAROLINA POWER AND LIGHT CO Date MAY 2, 2000
411 FAYETTEVILLE STREET Name
RALEIGH NC 27602 Address

Sheet 1 of 2

2. Plant HARRIS NUCLEAR PLANT Unit 1
PO Box 165 Name
NEW HILL NC 27562 Address

Work Order No. S-0466-1

3. Work Performed by FLOWSERVE CORP Name
701 FIRST STREET, WILLIAMSPORT, PA. 17701 Address

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

4. Identification of System MAIN FEEDWATER SYSTEM Line No. _____

5. (a) Applicable Construction Code III 19 74 Edition, WINTER ADDENDA 1976 Code Case N/A
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 B9

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
<u>MAIN FEEDWATER ISOLATION VALVE</u>	<u>BWIP</u>	<u>58826</u>	<u>2284</u>	<u>N/A</u>	<u>1980</u>	<u>REPAIRED</u>	<u>YES</u>

7. Description of Work REPLACE DISC, GUIDES, SEATS, STEM, BONNET AND DISC CARRIER STOP.

8. Tests conducted: Hydrostatic Pneumatic Nominal Operating Pressure
 Other Pressure N/A psi Test Temp. N/A °F.

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size 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-2 (BACK)

9. Remarks NDE INSPECTIONS ONLY. PRESSURE TESTS / VT-2 TO BE PERFORMED BY THE OWNER AT A LATER DATE.

10. 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 NR

Certificate of Authorization No. NR 44 Expiration Date July 10, 2001

Signed Richard Hunt QA ENGINEER Date May 2 18 2000
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of N. CAROLINA and employed by HSBI & I of HARTFORD CT have inspected the components described in this Owner's Report during the period 4-15-00 to 5-2-00, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

[Signature] Commissions NB9291 NIAB NC1444
Inspector's Signature National Board, State, Province, and Endorsements

Date 5-2 18 2000

FORM N-2 NPT CERTIFICATE HOLDERS' DATA REPORT FOR NUCLEAR PART AND APPURTENANCES*

As required by the Provision of the ASME Code Rules, Section III, Div. 1

1. (a) Manufactured by Flowserve Corp., 701 First Street, Williamsport, PA 17701
(Name and address of NPT Certificate Holder)
 (b) Manufactured for Carolina Power & Light Co., P.O. Box 870, Raleigh, NC. 27602.
(Name and address of N Certificate Holder for completed nuclear component)

2. Identification-Certificate Holder's Serial No. of Part SNE 1 & SN: 2 Nat'l Bd. No. N/A

(a) Constructed According to Drawing No. D13984 Drawing Prepared by Flowserve Corp.

(b) Description of Part Inspected Bonnets, two (2), Each

(c) Applicable ASME Code: Section III, Edition 1974, Addenda date (W) 1976, Case No. N/A Class 2

3. Remarks: (FWIV) Flex Wedge Modification Parts (Bonnets) for 16"-921#-Parallel Slide Gate Valves. Job# E350A-2 Material: SA105; HT# G5385.
(Brief description of service for which component was designed)
No Hydro-test performed.

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 NPT Certificate Holder for parts. An NPT Certificate Holder for appurtenances is responsible for furnishing a separate Design Specification and Stress Report if the appurtenance is not included in the component Design Specification and Stress Report.)

Date 12-18-99 19____ Signed Flowserve Corp. By R.R. Delker
(NPT Certificate Holder)

Certificate of Authorization Expires 4/15/01 Certificate of Authorization No. N1713

CERTIFICATION OF DESIGN FOR APPURTENANCE (when applicable)

Design information on file at N/A

Stress analysis report on file at N/A

Design specifications certified by N/A Prof. Eng. State _____ Reg. No. _____

Stress analysis report certified by N/A 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 Pennsylvania and employed by Commercial Union Insurance Company of Boston, Mass. have inspected the part of a pressure vessel described in this Partial Data Report on 818-99Ch 12-20-99 19____ and state that to the best of my knowledge and belief, the NPT Certificate Holder 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 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 12-20 19 99

Charles Young Inspector's Signature  Commissions Pennsylvania 2392
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 on this Data Report is included on each sheet, and (3) each sheet is numbered and number of sheets is recorded in item 3, "Remarks".

FORM N-2 NPT CERTIFICATE HOLDERS' DATA REPORT FOR NUCLEAR PART AND APPURTENANCES*
 As required by the Provision of the ASME Code Rules, Section III, Div. 1

1. (a) Manufactured by Flowserve Corp., 701 First Street, Williamsport, PA 17701
(Name and address of NPT Certificate Holder)
 (b) Manufactured for Carolina Power & Light Co. P.O. Box 870, Raleigh, NC. 27602.
(Name and address of NPT Certificate Holder for completed nuclear component)

2. Identification-Certificate Holder's Serial No. of Part SN: 1,2,3,4 Nat'l Bd. No. N/A

(a) Constructed According to Drawing No. F6033 Drawing Prepared by Flowserve Corp.

(b) Description of Part Inspected Discs, four (4) Each

(c) Applicable ASME Code: Section III, Edition 1974, Addenda date (W) 1976, Case No. N/A Class 2

3. Remarks: (FWIV) Flex Wedge Modification Parts (Discs) for 16"-921#-Parallel Slide Gate Valves. Job# E350A-2 Material: SA105; HT# G5190
(Brief description of service for which component was designed)
No Hydro-test performed.

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 NPT Certificate Holder for parts. An NPT Certificate Holder for appurtenances is responsible for furnishing a separate Design Specification and Stress Report if the appurtenance is not included in the component Design Specification and Stress Report.)

Date 12-17-99 19____ Signed Flowserve Corp. By PR Delker
(NPT Certificate Holder)

Certificate of Authorization Expires 4/15/01 Certificate of Authorization No. N1713

CERTIFICATION OF DESIGN FOR APPURTENANCE (when applicable)	
Design information on file at _____	<u>N/A</u>
Stress analysis report on file at _____	<u>N/A</u>
Design specifications certified by _____	<u>N/A</u>
Stress analysis report certified by _____	<u>N/A</u>
Prof. Eng. State _____	Reg. No. _____
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 <u>Pennsylvania</u> and employed by <u>Commercial Union Insurance Company</u> of <u>Boston, Mass.</u>	
have inspected the part of a pressure vessel described in this Partial Data Report on <u>230-99</u> <u>12-20-99</u> 19____ and state that to the best of my knowledge and belief, the NPT Certificate Holder 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 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 <u>12-20</u> 19 <u>99</u>	
<u>Charles Young</u> Inspector's Signature	Commissions <u>Pennsylvania 2392</u> National Board, State, Province and No.

**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

1. Fabricated and certified by Flowserve Corporation, 701 First Street, Williamsport, PA 17701
(name and address of NPT Certificate Holder)
2. Fabricated for Carolina Power & Light Company
(name and address)
3. Location of installation Shearon Harris Nuclear Station, 5413 Shearon Harris Rd. NC 27562
(name and address of Purchaser)
4. Type E350A-2-1 N/A C33567 R/A N/A 1999
(Cert. Holder's serial no.) (CRN) (drawing no.) (Nat'l. Bd. no.) (year built)
5. ASME Code, Section III, Division 1: 1974 (W) 1976 2 N/A
(edition) (addenda date) (class) (Code Case no.)
6. Shop hydrostatic test 2500 psi at Ambient °F (if performed)
7. Description of piping Pipe cap (vent), 1/4"-3000#, SA105, Vent Pipes, 3/4" Sch. 80, SA106-B, Ht #364383, Vent Pipe, 1/4" Sch. 80, SA106-B, Ht #268672
8. Certificate Holders' Data Reports properly identified and signed by commissioned inspectors have been furnished for the following items of this report:
E350A-15-1 3/4"-1690-Globe Valve.
E350A-16-1 3/4"x1/4"-1690#-Globe Valve.
9. Remarks: N/A

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. N1713 Expires 4/15/01
 Date 12/22/99 Name Flowserve Corporation Signed R.R. Decker
(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 Pennsylvania and employed by Commercial Union Insurance Co. of Boston, MA

have inspected the piping subassembly described in this Data Report on 12-22-99 and state that 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 12-22-99 Signed [Signature] Commissions Pa 2392
(Authorized Inspector) (Nat'l. Bd. (incl. endorsements) and state or prov. and no.)

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

FORM QAS-14-1 SUPPLEMENTAL DATA REPORT FOR NUCLEAR VALVES OR PARTS

1. Work performed by Flowserve Corp R350A-023
(Shop Order No.)
701 First Street, Williamsport, PA 17701

2. Owner Carolina Power & Light Co., P.O. Box 870, Raleigh, NC 27602
 (Name and Address)

3. Name of Nuclear Power Plant Shearon Harris Nuclear Plant

4. Address of Nuclear Power Plant 5413 Shearon Harris Rd., New Hill, NC 27562

5. a Identification of Component Repaired or Replacement Component Discs for 16"-921# Parallel Slide Gate
 b Name of Manufacturer (If different from Line 1) same
 c Identifying Nos. 3 --- HT. #G5190 1999
 (Mfr.'s Serial No.) (Nat'l Bd. No.) (Other) (Year Built)

6. Application Edition of Section III of ASME Code 19 74 Addenda w/ '76 Code Case N/A

7. Description of Work Remachine discs to revision A of drawing F6033. Dimensional
 (Use of additional sheet(s) or sketch(es) is acceptable if properly identified)
inspect and I.P. inspect hardfacing.

CERTIFICATE OF COMPLIANCE

We certify that the statements made in this report are correct and this repair or replacement conforms to Section III of the ASME Code. Signed B. Knies O A Engineer
(Title)
 (Authorized Representative of Repair Organization)

4/25/00 19 --- Our ASME Certificate of Authorization No. N1713 to use the NPT symbol expires 4/15/01

CERTIFICATE OF INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors, employed by Commercial Union Insurance Company of Boston Mass have inspected the repair or replacement described in this Report on 4-28-00 and state that to the best of my knowledge and belief, this repair or replacement has been made or constructed in accordance with Section III of the ASME Code. By signing this certificate, neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the repair or replacement described in this Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection.

4-28-00 Charles Young Commissions Pennsylvania 2392 
256
(State or Providence, Nat'l Board)
 (Inspector)

FORM QAS-14-1 SUPPLEMENTAL DATA REPORT FOR NUCLEAR VALVES OR PARTS

1 Work performed by Flowserve Corp R350A-023
(Shop Order No.)
701 First Street, Williamsport PA 17701

2 Owner Carolina Power & Light Co., P.O. Box 870, Raleigh, NC 27602
 (Name and Address)

3 Name of Nuclear Power Plant Shearon Harris Nuclear Plant

4 Address of Nuclear Power Plant 5413 Shearon Harris Rd., New Hill, NC 27562

5 a. Identification of Component Repaired or Replacement Component Discs for 16"-921# Parallel Slide Gate
 b Name of Manufacturer (If different from Line 1) same
 c. Identifying Nos. 4 -- Ht. #G5190 1999
 (Mfr's Serial No.) (Nat'l Bd No.) (Other) (Year Built)

6 Application Edition of Section III of ASME Code 1974 Addenda W'76 Code Case N/A

7 Description of Work Remachine discs to revision A of drawing P6033. Dimensional
 (Use of additional sheet(s) or sketch(es) is acceptable if properly identified)
inspect and I.P. inspect hardfacing.

CERTIFICATE OF COMPLIANCE

We certify that the statements made in this report are correct and thus repair or replacement conforms to Section III of the ASME Code. Signed [Signature] O.A. Engineer
 (Authorized Representative of Repair Organization) (Title)

4/28/00 is Our ASME Certificate of Authorization No. N1713 to use the NPT symbol
 expires 4/15/01

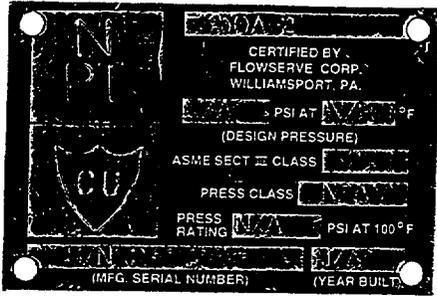
CERTIFICATE OF INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors, employed by Commercial Union Insurance Company of Boston Mass have inspected the repair or replacement described in this Report on 4-28-00 and state that to the best of my knowledge and belief, this repair or replacement has been made or constructed in accordance with Section III of the ASME Code. By signing this certificate, neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the repair or replacement described in this Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection.

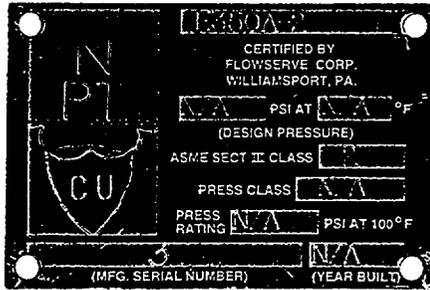
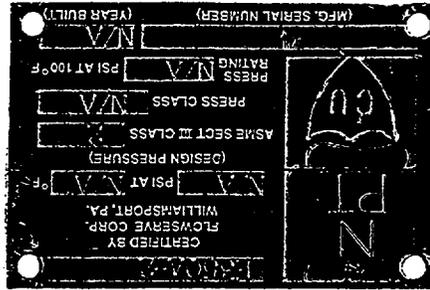
4-28-00 [Signature] Commissions Pennsylvania 2392  256
 (Inspector) Charles Young (State or Providence, Nat'l Board)

IFW-159

ASME Code Data Tags



Bonnet



Discs

FORM NR-1 REPORT OF REPAIR MODIFICATION OR INSTALLATION OF REPLACEMENT(S)
TO NUCLEAR COMPONENTS AND SYSTEMS IN NUCLEAR POWER PLANTS

1. Work performed by FLOWSERVE CORP S-0466-1
(name of organization) (P.O. no., job no., etc.)
701 1ST STREET - WILLIAMSPORT, PA 17701
(address)

2. Owner CAROLINA POWER AND LIGHT CO
(name)
411 FAYETTEVILLE STREET RALEIGH N.C. 27602
(address)

3. Name, address and identification of nuclear power plant HARRIS NUCLEAR PLANT
PO BOX 165, NEW HILL N.C. 27562

4. System MAIN FEED WATER

5. a: Component repaired, modified or replaced 1-FW-159
 b: Name of manufacturer BW/IP INTERNATIONAL
 c: Identifying nos. 58826 2284 N/A N/A 1980
(mfr's serial no.) (Nat'l. Bd. No.) (jurisdictional no.) (other) (year built)
 d: Construction Code ASME SEC III 1974 WINTER 1976 N/A 2
(name/section/division) (edition) (addenda) (Code Case(s)) (Code Class)

6. ASME Code Section XI applicable for inservice inspection: 1989 N/A N/A
(edition) (addenda) (Code Case(s))

7. ASME Code Section XI used for repairs, modifications, or replacements: 1989 N/A N-416-1
(edition) (addenda) (Code Case(s))

8. Construction Code used for repairs, modifications, or replacements: 1974 WINTER 1976 N/A
(edition) (addenda) (Code Case(s))

9. Design responsibilities _____

10. Tests conducted: hydrostatic pneumatic design pressure pressure SEE # 12 psi Code Case(s) _____

11. Description of work REPLACE DISC, SEATS, GUIDES, STEM, BONNET AND DISC
CARRIER STOP.
(use of properly identified additional sheet(s) or sketch(es) is acceptable)

12. Remarks: PRESSURE TEST/VT-2 PERFORMED BY OWNER
SEE ATTACHED DATA REPORTS FOR PARTS.

CERTIFICATE OF COMPLIANCE

I, RICHARD HARRISON, certify that the statements made in this report are correct and the repair, modification or replacement of the items described above conforms to Section XI of the ASME Code and to the National Board Inspection Code "NR" rules.

National Board Certificate of Authorization No. NR 44 to use the "NR stamp expires July 10, 19 2001

Date MAY 2, 19 2000 Signed Flowserve Corp Richard Harrison QA ENGINEER
(name of repair organization) (authorized representative) (title)

CERTIFICATE OF INSPECTION

I, GARY L. BROUETTE, holding a valid commission issued by The National Board of Boiler and Pressure Vessel Inspectors and certificate of competency issued by the jurisdiction of N. CAROLINA and employed by HSBI & I of HARTFORD CT have inspected the repair, modification or replacement described in this report on 5-2, 19 2000 and state that to the best of my knowledge and belief, this repair, modification or replacement has been completed in accordance with Section XI of the ASME Code and the National Board Inspection Code "NR" rules.

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

Date 5-2, 19 2000 Signed Gary L. Brouette Commissions NB 9291 NIAB NC1998
(inspector) (National Board (incl endorsements), and jurisdiction, and no.)

FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS
As Required by the Provisions of the ASME Code Section XI

1. Owner Carolina Power & Light Company Date July 12, 2000
Name
P.O. Box 1551, Raleigh, N. C. 27602-1551 Sheet 1 of 2
Address
2. Plant Shearon Harris Nuclear Power Plant Unit 1
Name
P.O. Box 165, New Hill, N. C. 27562-0165 WR/JO 99-ABXU1
Address Repair Organization P.O. No., Job No., etc.
3. Work Performed by Carolina Power & light Company Type Code Symbol Stamp N/A
Name
P.O. Box 165 New Hill, N.C. 27562-0165 Authorization No. N/A
Address Expiration Date N/A
4. Identification of System: Feedwater ASME III, CLASS 2
5. (a) Applicable Construction Code ASME Sect. III 19 74 Edition, WINTER 1976 Addenda, N/A Code Case
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 89, Addenda NO
6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
Flange	Dubose NES	N/A	N/A	PN# A2655 HT# C5292	N/A	Replacement	No
Pipe	Dubose NES	N/A	N/A	PN# 2705 HT# 446979	N/A	Replacement	No
Elbow	Dubose NES	N/A	N/A	PN# 514-157-92 HT# AP8	N/A	Replacement	No

7. Description of Work: Installation of new 2 inch nitrogen line.

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

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8½ 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.
(12/82)

FORM NIS-2 (Back)

9. Remarks: Code Case N-416-1 used in lieu of Hydrostatic Test.
Applicable Manufacturer's Date Reports to be attached
New line numbers are 2FW2-193SAB-1 and 2FW2-194SAB-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 No. N/A Expiration Date N/A

Signed *Devin Jones* for Equipment Performance Supervisor Date 7/12/00
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of North Carolina and employed by Hartford Steam Boiler Inspection and Insurance Company of One State Street, Hartford Connecticut 06102 have inspected the components described in this Owner's Report during the period 11-29-98 to 5-12-00, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

[Signature] Commissions NB 9291ABNI, NC 1444
Inspector's Signature National Board, State, Province, and Endorsements

Date 7-17 2000

FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS
As Required by the Provisions of the ASME Code Section XI

1. Owner Carolina Power & Light Company Date July 12, 2000
Name
P.O. Box 1551, Raleigh, N. C. 27602-1551 Sheet 1 of 2
Address
2. Plant Shearon Harris Nuclear Power Plant Unit 1
Name
P.O. Box 165, New Hill, N. C. 27562-0165 Address
WR/JO 99-ABXX1
Repair Organization P.O. No., Job No., etc.
3. Work Performed by Carolina Power & light Company Type Code Symbol Stamp N/A
Name
P.O. Box 165 New Hill, N.C. 27562-0165 Address
Authorization No. N/A
Expiration Date N/A
4. Identification of System: Feedwater ASME III, CLASS 2
5. (a) Applicable Construction Code ASME Sect. III 19 74 Edition, WINTER 1976 Addenda, N/A Code Case
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 89, Addenda NO
6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
Flange	Dubose NES	N/A	N/A	PN# A2655 HT# C5292	N/A	Replacement	No
Pipe	Dubose NES	N/A	N/A	PN# 2705 HT# 446979	N/A	Replacement	No
Nut	Dubose NES	N/A	N/A	PN# 514-108-43 HT# LMQ	N/A	Replacement	No
Stud	Dubose NES	N/A	N/A	PN# 514-116-19 HT# NBA	N/A	Replacement	No
Elbow	Dubose NES	N/A	N/A	PN# 514-157-92 HT# AP8	N/A	Replacement	No

7. Description of Work: Installation of new 2 inch nitrogen line.

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

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8½ 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-2 (Back)

9. Remarks: Code Case N-416-1 used in lieu of Hydrostatic Test.
Applicable Manufacturer's Date Reports to be attached
New line numbers are 2FW2-196SAB-1 and 2FW2-197SAB-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 No. N/A Expiration Date N/A

Signed Dagun Jones for Equipment Performance Supervisor Date 7/12/00
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of North Carolina and employed by Hartford Steam Boiler Inspection and Insurance Company of One State Street, Hartford Connecticut 06102 have inspected the components described in this Owner's Report during the period 11-29-98 to 5-12-00, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

[Signature] Commissions NB 9291ABNI, NC 1444
Inspector's Signature National Board, State, Province, and Endorsements

Date 7-17 2000

FORM NIS-2 (Back)

9. Remarks: Code Case N-416-1 used in lieu of Hydrostatic Test.
Applicable Manufacturer's Date Reports to be attached
New line numbers are 2FW2-199SAB-1 and 2FW2-200SAB-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 No. N/A Expiration Date N/A

Signed Dazhin Dong for Equipment Performance Supervisor Date 7/12/00
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of North Carolina and employed by Hartford Steam Boiler Inspection and Insurance Company of One State Street, Hartford Connecticut 06102 have inspected the components described in this Owner's Report during the period 11-29-98 to 5-12-00, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

[Signature] Commissions NB 9291ABNI, NC 1444
Inspector's Signature National Board, State, Province, and Endorsements

Date 7-17 2000

FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS
As Required by the Provisions of the ASME Code Section XI

1. Owner Carolina Power & Light Company Date July 12, 2000
Name
P.O. Box 1551, Raleigh, N. C. 27602-1551 Sheet 1 of 2
Address
2. Plant Shearon Harris Nuclear Power Plant Unit 1
Name
P.O. Box 165, New Hill, N. C. 27562-0165 WR/JO 99-AHQN1
Address Repair Organization P.O. No., Job No., etc.
3. Work Performed by Carolina Power & Light Company Type Code Symbol Stamp N/A
Name
P.O. Box 165 New Hill, N.C. 27562-0165 Authorization No. N/A
Address Expiration Date N/A
4. Identification of System: Reactor Coolant Sampling ASME III, CLASS 2
5. (a) Applicable Construction Code ASME Sect. III 19 74 Edition, WINTER 1976 Addenda, N/A Code Case
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 89, Addenda NO
6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
Valve	Target Rock Corp.	N/A	N/A	1SP-40	1981	Repair	No

7. Description of Work: Body to bonnet seal weld made.

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

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8½ 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-2 (Back)

9. Remarks: _____
Applicable Manufacturer's Date Reports to be attached

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp N/A

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

Signed *Doji Gony* for Equipment Performance Supervisor Date 7/12/00
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of North Carolina and employed by Hartford Steam Boiler Inspection and Insurance Company of One State Street, Hartford Connecticut 06102 have inspected the components described in this Owner's Report during the period 11-29-98 to 5-12-00, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

[Signature] Commissions NB 9291ABNI, NC 1444
Inspector's Signature National Board, State, Province, and Endorsements

Date 7-17 2000

FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS
As Required by the Provisions of the ASME Code Section XI

1. Owner Carolina Power & Light Company Date July 12, 2000
Name
P.O. Box 1551, Raleigh, N. C. 27602-1551 Address Sheet 1 of 2
2. Plant Shearon Harris Nuclear Power Plant Unit 1
Name
P.O. Box 165, New Hill, N. C. 27562-0165 Address WR/JO 99-AICJ1
Repair Organization P.O. No., Job No., etc.
3. Work Performed by Carolina Power & light Company Type Code Symbol Stamp N/A
Name
P.O. Box 165 New Hill, N.C. 27562-0165 Address Authorization No. N/A
Expiration Date N/A
4. Identification of System: Residual Heat ASME III, CLASS 2
5. (a) Applicable Construction Code ASME Sect. III 19 74 Edition, WINTER 1976 Addenda, N/A Code Case
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 89, Addenda NO
6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
Coloc Nut	Coloc Industries	N/A	N/A	732-862-88	N/A	Replacement	N/A

7. Description of Work: Installed new coloc nuts on hanger RH-H-21.

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

E: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8½ 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.
(12/82)

FORM NIS-2 (Back)

9. Remarks: _____
Applicable Manufacturer's Date 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 No. N/A Expiration Date N/A

Signed Dagmar Jones for Equipment Performance Supervisor Date 7/12/00
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of North Carolina and employed by Hartford Steam Boiler Inspection and Insurance Company of One State Street, Hartford Connecticut 06102 have inspected the components described in this Owner's Report during the period 11-29-98 to 5-12-00, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

[Signature] Commissions NB 9291ABNI, NC 1444
Inspector's Signature National Board, State, Province, and Endorsements

Date 7-17 2000

FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS
As Required by the Provisions of the ASME Code Section XI

1. Owner Carolina Power & Light Company Date June 27, 2000
Name
P.O. Box 1551, Raleigh, N. C. 27602-1551 Sheet 1 of 2
Address
2. Plant Shearon Harris Nuclear Power Plant Unit 1
Name
P.O. Box 165, New Hill, N. C. 27562-0165 WR/JO 99-AASR1
Address Repair Organization P.O. No., Job No., etc.
3. Work Performed by Carolina Power & Light Company Type Code Symbol Stamp N/A
Name
P.O. Box 165 New Hill, N.C. 27562-0165 Authorization No. N/A
Address Expiration Date N/A
4. Identification of System: Residual Heat ASME III, CLASS 2
5. (a) Applicable Construction Code ASME Sect. III 19 74 Edition, Winter 76 Addenda, N/A Code Case
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 89, Addenda NO

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
Snubber	Pacific Scientific	17469	N/A	RH-H-316B	1981	Replaced	No
Snubber	Pacific Scientific	18600	N/A	RH-H-316B	1981	Replacement	No

7. Description of Work: Snubber replacement.

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

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8½ 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-2 (Back)

9. Remarks: _____
Applicable Manufacturer's Date 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 No. N/A Expiration Date N/A

Signed Dayin Song for Equipment Performance Supervisor Date 6/27/00
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of North Carolina and employed by Hartford Steam Boiler Inspection and Insurance Company of One State Street, Hartford Connecticut 06102 have inspected the components described in this Owner's Report during the period 11-29-98 to 5-12-00, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

[Signature] Commissions NB 9291ABNI, NC 1444
Inspector's Signature National Board, State, Province, and Endorsements

Date 6-29 2000

FORM NP-1 NOT CERTIFICATE HOLDERS DATA REPORT FOR COMPONENT SUPPORTS
 As Required by the Provisions of the ASME Code Rules, Section III, Division 1

Manufactured by **Pacific Scientific 1346 S. State College Blvd. Anaheim, Ca. 92803**
 Manufactured for **SOUTHWEST FABRICATING & WELDING COMPANY, INC.**
 Name and address of purchaser or owner **P.O. Box 9449, Houston, Texas 77011**
COMPANY, INC.
 Location of installation **Light, Shearon Harris Nuclear Plant, Newhill, Wake County, N. Carolina 27562**

(a) Component Support	(b) Canadian Registration No.	(c) Applicable Drawings with Last Rev. & Date	(d) Stress Report or Load Caps. City Data Sheet	(e) Type of Component Support	(f) Class	(g) Next Board No.	(h) Year Built
(11)	18593-18650	None	1801106-05-J DR-1415-Rev. 0	Linear	1	None	1981

4. Identification
3. Location of installation
2. Remarks
- (11)
 - (10)
 - (9)
 - (8)
 - (7)
 - (6)
 - (5)
 - (4)
 - (3)
 - (2)
 - (1)

CERTIFICATE OF COMPLIANCE
 I certify that the statements made in this report are correct and that these component supports conform to the rules of construction of the ASME Code for Nuclear Power Plant Components Section III, Division 1, Edition 1977. Address **Summer '78**
 Code Case No. **1644-6**
 Signed **Pacific Scientific** by **_____**
 Our ASME Certificate of Authorization No. **1198**
 Symbol address **Aug. 4, 1981**

DESIGN INFORMATION ON FILE AT: Pacific Scientific
 Stress Report of Load Capacity Data Sheet on file at **Pacific Scientific**
 Filed per **NA 3256**
 Design Specifications Certified by (c) **Leo B. Ay**
 PE State **California**
 Reg No. **13533**
 Stress Analysis Report of Load Capacity Data Sheets Certified by (f) **Leo B. Ay**
 PE State **California**
 Reg No. **13533**

CERTIFICATE OF DESIGN
 Design Information on File at: **Pacific Scientific**
 Stress Report of Load Capacity Data Sheet on file at **Pacific Scientific**
 Filed per **NA 3256**
 Design Specifications Certified by (c) **Leo B. Ay**
 PE State **California**
 Reg No. **13533**
 Stress Analysis Report of Load Capacity Data Sheets Certified by (f) **Leo B. Ay**
 PE State **California**
 Reg No. **13533**

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 California and employed by HS&I Co. of Hartford, CT have inspected the component supports described in this Data Report on 8-4 1981 and state that to the best of my knowledge and belief the NPT Certificate Holder has constructed these component supports in accordance with the ASME Code for Nuclear Power Plant Components

By signing this certificate, neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the component supports 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 8-4-81
 Signed [Signature] Commissions Ca 1445
(Nat'l Bd. State Prov. and No.)

CERTIFICATION OF FIELD INSPECTION

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 supports and state the parts referred to as data items _____, not included in the certificate of shop inspection, have been checked by me and that to the best of my knowledge and belief the NPT Certificate Holder has constructed these component supports in accordance with the ASME Code for Nuclear Power Plant Components

By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the component supports 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 _____
(Nat'l Bd. State Prov. and No.)

FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS
As Required by the Provisions of the ASME Code Section XI

1. Owner Carolina Power & Light Company Date July 12, 2000
Name
P.O. Box 1551, Raleigh, N. C. 27602-1551 Sheet 1 of 2
Address
2. Plant Shearon Harris Nuclear Power Plant Unit 1
Name
P.O. Box 165, New Hill, N. C. 27562-0165 WR/JO 99-AATE2
Address Repair Organization P.O. No., Job No., etc.
3. Work Performed by Carolina Power & Light Company Type Code Symbol Stamp N/A
Name
P.O. Box 165 New Hill, N.C. 27562-0165 Authorization No. N/A
Address Expiration Date N/A
4. Identification of System: Auxiliary Feedwater ASME III, CLASS 2
5. (a) Applicable Construction Code ASME Sect. III 19 74 Edition, WINTER 1976 Addenda, N/A Code Case
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 89, Addenda NO

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
Coloc Nut	Coloc Industries	N/A	N/A	732-862-96 732-863-04 732-863-12 732-863-46	N/A	Replacement	N/A
All Thread	Mackson Inc.	N/A	N/A	727-419-60	N/A	Replacement	N/A
All Thread	Dubose NES	N/A	N/A	514-117-42	N/A	Replacement	N/A
All Thread	Hub Inc.	N/A	N/A	727-419-52	N/A	Replacement	N/A

7. Description of Work: Installed new coloc nuts on hangers. See Remark section for hangers.

8. Tests Conducted: Hydrostatic Pneumatic Nominal Operating Pressure
Other Pressure _____ psi Test Temp. _____ of F

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8½ 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-2 (Back)

9. Remarks: Hangers are AF-H-314, 315, 316, 317, 318, 319, 321, 322, 363, 366, and 367.
Applicable Manufacturer's Date 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 No. N/A Expiration Date N/A

Signed Darwin Dong for Equipment Performance Supervisor Date 7/12/00
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of North Carolina and employed by Hartford Steam Boiler Inspection and Insurance Company of One State Street, Hartford Connecticut 06102 have inspected the components described in this Owner's Report during the period 11-29-98 to 5-12-00, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

[Signature] Commissions NB 9291ABNI, NC 1444
Inspector's Signature National Board, State, Province, and Endorsements

Date 7-17 2000

FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS
As Required by the Provisions of the ASME Code Section XI

1. Owner Carolina Power & Light Company Date July 12, 2000
Name
P.O. Box 1551, Raleigh, N. C. 27602-1551 Sheet 1 of 2
Address
2. Plant Shearon Harris Nuclear Power Plant Unit 1
Name
P.O. Box 165, New Hill, N. C. 27562-0165 WR/JO 99-AATE1
Address Repair Organization P.O. No., Job No., etc.
3. Work Performed by Carolina Power & Light Company Type Code Symbol Stamp N/A
Name
P.O. Box 165 New Hill, N.C. 27562-0165 Authorization No. N/A
Address Expiration Date N/A
4. Identification of System: Auxiliary Feedwater ASME III, CLASS 2
5. (a) Applicable Construction Code ASME Sect. III 19 74 Edition, WINTER 1976 Addenda, N/A Code Case
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 89.
6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
Sockolet, 10"	Dubose NES	N/A	N/A	732-495-75	N/A	Replacement	N/A
Pipe, Bend, 30 Degree	Connex Pipe Systems Inc.	N/A	N/A	738-898-75	N/A	Replacement	N/A
Pipe, Bend, 30 Degree	Connex Pipe Systems Inc.	N/A	N/A	738-899-09	N/A	Replacement	N/A
Pipe, Bend, 30 Degree	Connex Pipe Systems Inc.	N/A	N/A	738-899-17	N/A	Replacement	N/A
Pipe, Bend, 30 Degree	Connex Pipe Systems Inc.	N/A	N/A	738-899-25	N/A	Replacement	N/A
Pipe, Bend, 30 Degree	Connex Pipe Systems Inc.	N/A	N/A	738-899-33	N/A	Replacement	N/A

7. Description of Work: Replaced Auxiliary Piping. See Remark section for spool pieces.

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

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8½ 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-2 (Back)

9. Remarks: Spool pieces are 1-AF-2-1A, 1B, 2A & 2B, and 1-AF-3-4A.

Applicable Manufacturer's Date Reports to be attached

Code Case N-416-1 used in lieu of Hydrostatic Test.

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp N/A

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

Signed Darwin Jones for Equipment Performance Supervisor Date 7/12/00
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of North Carolina and employed by Hartford Steam Boiler Inspection and Insurance Company of One State Street, Hartford Connecticut 06102 have inspected the components described in this Owner's Report during the period 11-29-98 to 5-12-00, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

[Signature] Commissions NB 9291ABNI, NC 1444
Inspector's Signature National Board, State, Province, and Endorsements

Date 7-17 2000

FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS
As Required by the Provisions of the ASME Code Section XI

1. Owner Carolina Power & Light Company Date July 12, 2000
Name
P.O. Box 1551, Raleigh, N. C. 27602-1551 Sheet 1 of 2
Address
2. Plant Shearon Harris Nuclear Power Plant Unit 1
Name
P.O. Box 165, New Hill, N. C. 27562-0165 WR/JO 99-ABHQ1
Address Repair Organization P.O. No., Job No., etc.
3. Work Performed by Carolina Power & Light Company Type Code Symbol Stamp N/A
Name
P.O. Box 165 New Hill, N.C. 27562-0165 Authorization No. N/A
Address Expiration Date N/A
4. Identification of System: Containment Spray ASME III, CLASS 2
5. (a) Applicable Construction Code ASME Sect. III 19 74 Edition, WINTER 1976 Addenda, N/A Code Case
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 89.
6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
Plug	Consolidated	1C-68326	N/A	724-112-42	N/A	Replacement	N/A
Filler Metal	Sandvik	N/A	N/A	514-002-16 HT# 463434	N/A	Replacement	N/A
Plug	Consolidated	N/A	N/A	H4397-BE378	N/A	Replaced	N/A

7. Description of Work: Replaced plug on valve 1CT-65.

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

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8½ 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-2 (Back)

9. Remarks: Filler metal is considered pressure retaining on this valve.
Applicable Manufacturer's Date 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 No. N/A Expiration Date N/A

Signed Dustin Jones for Equipment Performance Supervisor Date 7/12/00
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of North Carolina and employed by Hartford Steam Boiler Inspection and Insurance Company of One State Street, Hartford Connecticut 06102 have inspected the components described in this Owner's Report during the period 11-29-98 to 5-12-00, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

[Signature] Commissions NB 9291ABNI, NC 1444
Inspector's Signature National Board, State, Province, and Endorsements

Date 7-17 2000

SANDVIK

MATERIAL CERTIFICATE

SANDVIK, INC. SCRANTON WORKS
 P.O. BOX 1220, SCRANTON, PA. 18501 PH. 717-537-5191
 PLANT LOCATION: INTERSTATE 81, WAVERLY EXIT 59

CUSTOMER PURCHASE ORDER NO.	SANDVIK ORDER NO.	ITEM	SPECIAL CODE	MARKS	CERTIFICATE NO.	CERTIFICATE DATE
H-15698A	952116	06	44528/30629		98364	7/19/79

SOLD TO: CAROLINA POWER & LIGHT

SPECIFICATION AND MATERIAL

ASME SECTION II: SFA 5.9; ASME SECTION III: PARA. NB2400 1977 EDITION
 THRU SUMMER 79 ADD. AND SPEC. #021, REV. 2
 SANDVIK STAINLESS STEEL WELDING WIRE TYPE ER316 1/8 x 36" 1,020#

7 Filler Metal Analysis, %

Heat	C	Si	Mn	P	S	Cr	Ni	Mo
463434	.062	.39	1.78	.015	.003	19.38 ✓	11.10 ✓	2.18 ✓
	Cb+Ta	Ti	V	Cu	Co	N		
	.02	.01	.043	.041	.036	.045		

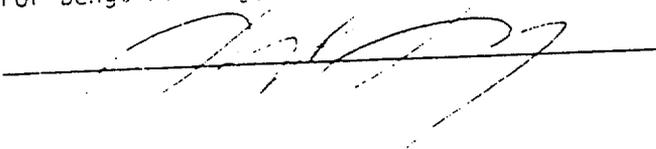
Delta Ferrite content as determined from above analysis per Fig. NB2433.1-1
 WRC Ferrite No. 9 FN

Corresponding ferrite percent 8 %

This is to certify that the contents of this certificate are correct and accurate, as contained in Sandvik's records, and that all above test results and operations performed are in compliance with the requirements of the purchase order and the applicable sections of the code and specifications as designated by the purchase order.

ASME Quality System Certificate (materials) No. Q-1400. Expiration date: June 11, 1982.

For Bengt H. Berg, Quality Assurance Manager



(W-B-SFA-1, REV. 5) hn

APPROVED
 BY: JBA
 DATE: 12/5/81

QA-11-15078A-2

10765

1. Manufactured by: Rockwell International, P.O. Box 500, Sutherland Springs, TX 75482
 (Name and Address of Manufacturer)
 2. Manufactured for: EBRSC Services Inc., Two Reactor Sq., New York, NY 10006
 (Name and Address of Purchaser or Owner)
 3. Location of Installation: Shearon Harris Nuclear Power Plant, Wake County, NC
 (Name and Address)
 4. Pump or Valve: Valve - Check
 Nominal Inlet Size: 2" (inch)
 Outlet Size: 2" (inch)

(1) Model No.	(2) Series No.	(3) Manufacturer's	(4) Canadian	(5) Registration	(6) Drawing	(7) No.	(8) Class	(9) No.	(10) Built
D3674F21612	BE372	NA			D31605327-4	2		652	1981
								653	
								654	
								655	
								656	
								657	
								658	
								659	
								660	
								661	1981
D3674F31612	BE351	NA			D31605327-4	2		661	1981

5. Rockwell International Assembly Lot No. H4397 Qty. 10
 (Indicate assembly or serial number for which equipment was designed)

6. Design Conditions: 2250 (Pressure) 800 (Temperature) 7 or Valve Pressure Class 1500
 7. Cold Working Pressure: 3600 (Pressure) 1000 (Temperature)
 8. Pressure Retaining Pieces:

(a) Castings	Mark No.	Material Spec. No.	Manufacturer	Remarks
Disks E2558#1	A56781	Consolidated	Heat 0	
Disks E5625#1	A56781	Consolidated	Heat BB	
Disks E5695#1	A56781	Consolidated	Heat CC	
Disks K9273#1	A56781	Consolidated	Heat W	
(b) Forgings				
Bodies SK359N	SA182GPF316	Watts Forge	Republic Heat	8651895
HT#2				
Bodies SK285N	SA182GPF316	Watts Forge	Watts Heat	78889
HT#2				

(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.
 (3/77) This form (E00037) may be obtained from the Code Book, ASME, 345 E. 47 St., New York, N.Y. 10017

Mark No.	Material Spec. No.	Manufacturer	Remarks
(c) Bolting			
NA			
(d) Other Parts			
Covers F3833, F4236	SA479T316	Crucible	Heat A18246
Covers F3378	SA479T316	Crucible	Heat A18422
Sealweld Filler	SFA5.9ER316	Teledyne McKay	Heat 30896

9. Hydrostatic test 5400 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. I, Edition 1971
 Addenda Summer, 1973 Code Case No. N-154 (1791) Date 12/21/81
 Signed Rockwell International by William J. Vance
(Date)
(Manufacturer)
 Our ASME Certificate of Authorization No. N-1814 to use the (N) symbol expires 8/12/83
(Date)
(IN: (NFV))

CERTIFICATION OF DESIGN

Design information on file at Rockwell International, Sulphur Springs, Texas
 Stress analysis report (Class 1 only) on file at _____
 Design specifications certified by (1) David E. Williams
 PE State NC Reg. No. 3085
 Stress analysis certified by (1) David E. Williams
 PE State TX Reg. No. 20681
 (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 Texas and employed by Lumbermens Mutual Casualty of Long Grove, IL 60049 have inspected the pump, or valve, described in this Data Report on 12-21-81 19 81 and state that to the best of my knowledge and belief, the Manufacturer has constructed this pump, or valve, 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 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 12-21-81 19 81
David E. Williams (Inspector)
 Commission: Texas 826 NATL 57717
(Nat'l Bd., State, Prov. and No.)

4105

FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS
As Required by the Provisions of the ASME Code Section XI

1. Owner Carolina Power & Light Company Date July 12, 2000
Name
P.O. Box 1551, Raleigh, N. C. 27602-1551 Sheet 1 of 2
Address
2. Plant Shearon Harris Nuclear Power Plant Unit 1
Name
P.O. Box 165, New Hill, N. C. 27562-0165 WR/JO 96-AEJN1
Address Repair Organization P.O. No., Job No., etc.
3. Work Performed by Carolina Power & Light Company Type Code Symbol Stamp N/A
Name
P.O. Box 165 New Hill, N.C. 27562-0165 Authorization No. N/A
Address Expiration Date N/A
4. Identification of System: Charging System ASME III, CLASS 2
5. (a) Applicable Construction Code ASME Sect. III 1974 Edition, WINTER 1976 Addenda, N/A Code Case
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 89.
6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
Plug	Copes Vulcan	166200	N/A	761-718-42	N/A	Replacement	N/A
Plug	Copes Vulcan	2502	N/A	7310-95282-213-1	N/A	Replaced	N/A

7. Description of Work: Replaced plug on valve 1CS-28.
8. Tests Conducted: Hydrostatic Pneumatic Nominal Operating Pressure
Other Pressure _____ psi Test Temp. _____ °F

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8½ 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-2 (Back)

9. Remarks: _____
Applicable Manufacturer's Date 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 No. N/A Expiration Date N/A

Signed Darin Doy for Equipment Performance Supervisor Date 7/12/00
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of North Carolina and employed by Hartford Steam Boiler Inspection and Insurance Company of One State Street, Hartford Connecticut 06102 have inspected the components described in this Owner's Report during the period 11-29-98 to 5-12-00, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

[Signature] Commissions NB 9291ABNI, NC 1444
Inspector's Signature National Board, State, Province, and Endorsements

Date 7-17 2000

FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS
As Required by the Provisions of the ASME Code Section XI

1. Owner Carolina Power & Light Company Date July 13, 2000
Name
P.O. Box 1551, Raleigh, N. C. 27602-1551 Sheet 1 of 2
Address
2. Plant Shearon Harris Nuclear Power Plant Unit 1
Name
P.O. Box 165, New Hill, N. C. 27562-0165 WR/JO 00-ACBD1
Address Repair Organization P.O. No., Job No., etc.
3. Work Performed by Carolina Power & light Company Type Code Symbol Stamp N/A
Name
P.O. Box 165 New Hill, N.C. 27562-0165 Authorization No. N/A
Address Expiration Date N/A
4. Identification of System: Safety Injection ASME III, CLASS 2
5. (a) Applicable Construction Code ASME Sect. III 19 74 Edition, WINTER 1976 Addenda, N/A Code Case
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 89, Addenda NO

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
Coloc Nut	Coloc Industries	N/A	N/A	732-863-12	N/A	Replacement	N/A

7. Description of Work: Installed new coloc nuts on hanger SI-H-234.

8. Tests Conducted: Hydrostatic Pneumatic Nominal Operating Pressure
Other Pressure _____psi Test Temp. _____°F

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8½ 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.
(12/82)

FORM NIS-2 (Back)

9. Remarks: _____
Applicable Manufacturer's Date 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 No. N/A Expiration Date N/A

Signed Dayne Jones for Equipment Performance Supervisor Date 7/13/00
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of North Carolina and employed by Hartford Steam Boiler Inspection and Insurance Company of One State Street, Hartford Connecticut 06102 have inspected the components described in this Owner's Report during the period 11-29-98 to 5-12-00, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

[Signature] Commissions NB 9291ABNI, NC 1444
Inspector's Signature National Board, State, Province, and Endorsements

Date 7-17 2000

FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS
As Required by the Provisions of the ASME Code Section XI

1. Owner Carolina Power & Light Company Date July 13, 2000
Name
P.O. Box 1551, Raleigh, N. C. 27602-1551 Sheet 1 of 2
Address
2. Plant Shearon Harris Nuclear Power Plant Unit 1
Name
P.O. Box 165, New Hill, N. C. 27562-0165 WR/JO 00-ACBW1
Address Repair Organization P.O. No., Job No., etc.
3. Work Performed by Carolina Power & light Company Type Code Symbol Stamp N/A
Name
P.O. Box 165 New Hill, N.C. 27562-0165 Authorization No. N/A
Address Expiration Date N/A
4. Identification of System: Main Steam ASME III, CLASS 2
5. (a) Applicable Construction Code ASME Sect. III 19 74 Edition, WINTER 1976 Addenda, N/A Code Case
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 89, Addenda NO
6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
Coloc Nut	Coloc Industries	N/A	N/A	732-862-62	N/A	Replacement	N/A

7. Description of Work: Installed new coloc nuts on hanger MS-H-77.

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

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8½ 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-2 (Back)

9. Remarks: _____
Applicable Manufacturer's Date 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 No. N/A Expiration Date N/A

Signed Douglas Dwyer for Equipment Performance Supervisor Date 7/13/00
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of North Carolina and employed by Hartford Steam Boiler Inspection and Insurance Company of One State Street, Hartford Connecticut 06102 have inspected the components described in this Owner's Report during the period 11-29-98 to 5-12-00, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

[Signature] Commissions NB 9291ABNI, NC 1444
Inspector's Signature National Board, State, Province, and Endorsements

Date 7-17 2000

FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS
As Required by the Provisions of the ASME Code Section XI

1. Owner Carolina Power & Light Company Date July 13, 2000
Name
P.O. Box 1551, Raleigh, N. C. 27602-1551 Sheet 1 of 2
Address
2. Plant Shearon Harris Nuclear Power Plant Unit 1
Name
P.O. Box 165, New Hill, N. C. 27562-0165 WR/J0 97-AIFF1
Address Repair Organization P.O. No., Job No., etc.
3. Work Performed by Carolina Power & light Company Type Code Symbol Stamp N/A
Name
P.O. Box 165 New Hill, N.C. 27562-0165 Authorization No. N/A
Address Expiration Date N/A
4. Identification of System: Chemical & Volume Control ASME III, CLASS 2
5. (a) Applicable Construction Code ASME Sect.III 19 74 Edition, WINTER 1976 Addenda, N/A Code Case
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 89, Addenda NO
6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
Inboard Mechanical Seals	Pacific Pumps	48898	N/A	HT# 67953-77	N/A	Replaced	N/A
Inboard Mechanical Seals	Pacific Pumps	48899	N/A	HT# 67953	N/A	Replacement	N/A
Outboard Mechanical Seals	Pacific Pumps	122AB	N/A	HT# 73808	N/A	Replaced	N/A
Outboard Mechanical Seals	Pacific Pumps	49181	N/A	HT# 818398	N/A	Replacement	N/A

7. Description of Work: Replaced Inboard and Outboard Mechanical Seals on pump 1CS-CSIPA.

8. Tests Conducted: Hydrostatic Pneumatic Nominal Operating Pressure
Other Pressure _____psi Test Temp. _____°F

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8½ 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-2 (Back)

9. Remarks: _____
Applicable Manufacturer's Date 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 No. N/A Expiration Date N/A

Signed Dagim Dong for Equipment Performance Supervisor Date 7/13/00
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of North Carolina and employed by Hartford Steam Boiler Inspection and Insurance Company of One State Street, Hartford Connecticut 06102 have inspected the components described in this Owner's Report during the period 11-29-98 to 5-12-00, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

[Signature] Commissions NB 9291ABNI, NC 1444
Inspector's Signature National Board, State, Province, and Endorsements

Date 7-17 2000

FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS
As Required by the Provisions of the ASME Code Section XI

1. Owner Carolina Power & Light Company Date June 27, 2000
Name
P.O. Box 1551, Raleigh, N. C. 27602-1551 Sheet 1 of 2
Address
2. Plant Shearon Harris Nuclear Power Plant Unit 1
Name
P.O. Box 165, New Hill, N. C. 27562-0165 WR/JO 99-AASA1
Address Repair Organization P.O. No., Job No., etc.
3. Work Performed by Carolina Power & light Company Type Code Symbol Stamp N/A
Name
P.O. Box 165 New Hill, N.C. 27562-0165 Authorization No. N/A
Address Expiration Date N/A
4. Identification of System: Charging System ASME III, CLASS 2
5. (a) Applicable Construction Code ASME Sect. III 19 74 Edition, Winter 76 Addenda, N/A Code Case
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 89, Addenda NO
6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
Snubber	Pacific Scientific	15666	N/A	CS-H-39B	1981	Replaced	No
Snubber	Pacific Scientific	10950	N/A	CS-H-39B	1980	Replacement	No

7. Description of Work: Snubber replacement.

8. Tests Conducted: Hydrostatic Pneumatic Nominal Operating Pressure
Other Pressure _____psi Test Temp. _____°F

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8½ 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-2 (Back)

9. Remarks: Applicable Manufacturer's Date 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 No. N/A Expiration Date N/A

Signed Dagmar Dons for Equipment Performance Supervisor Date 6/27/00
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of North Carolina and employed by Hartford Steam Boiler Inspection and Insurance Company of One State Street, Hartford Connecticut 06102 have inspected the components described in this Owner's Report during the period 11-29-98 to 5-12-00, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

[Signature] Commissions NB 9291ABNI, NC 1444
Inspector's Signature National Board, State, Province, and Endorsements

Date 6-29 2000

FORM NP-1 NPT CERTIFICATE HOLDERS' DATA REPORT FOR COMPONENT SUPPORTS*
 As Required by the Provisions of the ASME Code Rules, Section III, Division 1

1. Manufactured by Pacific Scientific 1346 S. State College Blvd. Anaheim, Ca. 92803
(Name and address of NPT Certificate Holder)
2. Manufacturer for Southwest Fabricating & Welding Co., Inc. P.O. Box 9449 Houston Texas 77011
Ebasco Services, Inc. Agents for: (Name and address of purchaser or owner) Carolina Power & Light
3. Location of Installation Shearon Harris Nuclear Plants, Newhill, Wake County, N. Carolina 27562

4. Identification

(a) Component Support I.O. No.	(b) Canadian Registration No.	(c) Applicable Drawings with Last Rev. & Date	(d) Stress Report or Load Capacity Data Sheet	(e) Type of Component Support	(f) Class	(g) Nat'l Board No.	(h) Year Built
(1) <u>10913-</u>	<u>None</u>	<u>1801102-05-J</u>	<u>DRI351-A</u>	<u>Linear</u>	<u>1</u>	<u>None</u>	<u>1980</u>
(2) <u>11117</u>							
(3)							
(4)							
(5)							
(6)							
(7)							
(8)							
(9)							
(10)							

5. Remarks: _____

4329

CERTIFICATE OF COMPLIANCE

We certify that the statements made in this report are correct and that these components supports conform to the rules of construction of the ASME Code for Nuclear Power Plant Components, Section III, Division 1, Edition 1977, Addenda Summer '78
(Date)

Code Case No. 1644-6

Date 23 May 1980 Signed Pacific Scientific by Bill Jenkins
(NPT Certificate Holder)

Our ASME Certificate of Authorization No. 1198 to use the Component Supports
(NPT)

Symbol expires Aug. 4, 1981
(Date)

CERTIFICATION OF DESIGN

Design Information on File at Pacific Scientific

Stress Report or Load Capacity Data Sheets on File at Pacific Scientific

Filed Per NA 3256
 Design Specifications Certified by (1) Leo E. Ay PE State California

Reg. No. 13533

Stress Analysis Report or Load Capacity Data Sheets Certified by (1) Leo E. Ay
 PE State California Reg. No. 13533

(1) List name only, signature not required.

* Supplemental sheets in form of lists, sketches or drawings may be used provided (1) size is 8" x 11", (2) information in items 1, 2, 4c, 4g 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.

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 California and employed by HSBT&T Co. of Hartford, CT have inspected the component supports described in this Data Report on 5/23 19 80 and state that to the best of my knowledge and belief the NPT Certificate Holder has constructed these component supports in accordance with the ASME Code for Nuclear Power Plant Components.

By signing this certificate, neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the component supports 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 5/23/80

Signed William Meyer Commissions Ca #1494
(Nat'l Bd., State, Prov., and No.)

CERTIFICATION OF FIELD INSPECTION

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 supports and state that the parts referred to as data items _____, not included in the certificate of shop inspection, have been inspected by me and that to the best of my knowledge and belief the NPT Certificate Holder has constructed these component supports in accordance with the ASME Code for Nuclear Power Plant Components.

By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the component supports 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 _____
(Nat'l Bd., State, Prov., and No.)

01730

FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS
As Required by the Provisions of the ASME Code Section XI

1. Owner Carolina Power & Light Company Date June 27, 2000
Name
P.O. Box 1551, Raleigh, N. C. 27602-1551 Sheet 1 of 2
Address

2. Plant Shearon Harris Nuclear Power Plant Unit 1
Name
P.O. Box 165, New Hill, N. C. 27562-0165 Address
WR/JO 99-AARZ1
Repair Organization P.O. No., Job No., etc.

3. Work Performed by Carolina Power & Light Company Type Code Symbol Stamp N/A
Name
P.O. Box 165 New Hill, N.C. 27562-0165 Address
Authorization No. N/A
Expiration Date N/A

4. Identification of System: Charging System ASME III, CLASS 2

5. (a) Applicable Construction Code ASME Sect.III 19 74 Edition, Winter 76 Addenda, N/A Code Case
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 89, Addenda NO

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
Snubber	Pacific Scientific	15604	N/A	CS-H-39A	1981	Replaced	No
Snubber	Pacific Scientific	16079	N/A	CS-H-39A	1980	Replacement	No

7. Description of Work: Snubber replacement.

8. Tests Conducted: Hydrostatic Pneumatic Nominal Operating Pressure
Other Pressure _____ psi Test Temp. _____ of

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8½ 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-2 (Back)

9. Remarks: _____
Applicable Manufacturer's Date 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 No. N/A Expiration Date N/A

Signed Dajin Song for Equipment Performance Supervisor Date 6/27/00
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of North Carolina and employed by Hartford Steam Boiler Inspection and Insurance Company of One State Street, Hartford Connecticut 06102 have inspected the components described in this Owner's Report during the period 11-29-98 to 5-12-00 and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

[Signature] Commissions NB 9291ABNI, NC 1444
Inspector's Signature National Board, State, Province, and Endorsements

Date 6-29 2000

FORM NP-1 NPT CERTIFICATE HOLDERS DATA REPORT FOR COMPONENT SUPPORTS
 As Required by the Provisions of the ASME Code Rules, Section III, Division 1

1. Manufactured by Pacific Scientific 1346 S. State College Blvd. Anaheim, Ca. 92803
(Name and address of NPT Certificate Holder)

2. Manufacturer for Southwest Fabricating & Welding Co. P.O. Box 9449 Houston Texas 77011
 EBASCO SERVICES, INC. Agents for: (Name and address of purchaser or owner) Carolina Power & Light

3. Location of Installation Shearon Harris Nuclear plants, Newhill, Wake County, N. Carolina 27562

4. Identification

(a) Component Support I D. No.	(b) Canadian Registration No.	(c) Applicable Drawings with Last Rev. & Date	(d) Stress Report or Load Capacity Data Sheet	(e) Type of Component Support	(f) Class	(g) Nat'l Board No.	(h) Year Built
(1) 16066-16128	None	1801102-05-K	DR-1414-Rev. 0	Linear	1	None	1981
(2)							
(3)							
(4)							
(5)							
(6)							
(7)							
(8)							
(9)							
(10)							

5. Remarks _____

CERTIFICATE OF COMPLIANCE

We certify that the statements made in this report are correct and that these components supports conform to the rules of construction of the ASME Code for Nuclear Power Plant Components, Section III, Division 1, Edition 1977, Addenda Summer '78, Code Case No. 1644-6 (Date)

Date 9/2/81 Signed Pacific Scientific by Arnold A. Nava
(NPT Certificate Holder)

Our ASME Certificate of Authorization No. 1198 to use the Component Supports
(NPT)

Symbol expires Aug. 4, 1981
(Date)

CERTIFICATION OF DESIGN

Design Information on File at Pacific Scientific

Stress Report or Load Capacity Data Sheets on File at Pacific Scientific
Filed Filed per NA 3256

Design Specifications Certified by (1) Leo E. Ay PE State California

Reg. No. 13533

Stress Analysis Report or Load Capacity Data Sheets Certified by (1) Leo E. Ay
 PE State California Reg. No. 13533

(1) List name only, signature not required

Supplemental sheets in form of lists, sketches or drawings may be used provided (1) size is 8" x 11", (2) information in items 1, 2, 4c, 4g 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

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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 California and employed by HSB&I Co. of Hartford, CT

_____ have inspected the component supports described in this Data Report on 6-79 1981 and state that to the best of my knowledge and belief the NPT Certificate Holder has constructed these component supports in accordance with the ASME Code for Nuclear Power Plant Components

By signing this certificate, neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the component supports 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 6-19-81

Signed William Meyer Commissions Ca # 1494
(Nat'l Bd., State, Prov., and No.)

CERTIFICATION OF FIELD INSPECTION

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 supports and state that the parts referred to as data items _____, not included in the certificate of shop inspection, have been inspected by me and that to the best of my knowledge and belief the NPT Certificate Holder has constructed these component supports in accordance with the ASME Code for Nuclear Power Plant Components.

By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the component supports 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 _____
(Nat'l Bd., State, Prov., and No.)

0 7 3 2 1 0 7 3 9

FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS
As Required by the Provisions of the ASME Code Section XI

1. Owner Carolina Power & Light Company Date June 27, 2000
Name
P.O. Box 1551, Raleigh, N. C. 27602-1551 Sheet 1 of 2
Address
2. Plant Shearon Harris Nuclear Power Plant Unit 1
Name
P.O. Box 165, New Hill, N. C. 27562-0165 WR/JO 99-AARG1
Address Repair Organization P.O. No., Job No., etc.
3. Work Performed by Carolina Power & Light Company Type Code Symbol Stamp N/A
Name
P.O. Box 165 New Hill, N.C. 27562-0165 Authorization No. N/A
Address Expiration Date N/A
4. Identification of System: Blowdown ASME III, CLASS 2
5. (a) Applicable Construction Code ASME Sect. III 19 74 Edition, Winter 76 Addenda, N/A Code Case
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 89, Addenda NO

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
Snubber	Pacific Scientific	11006	N/A	BD-H-40A	1980	Replaced	No
Snubber	Pacific Scientific	11092	N/A	BD-H-40A	1980	Replacement	No

7. Description of Work: Snubber replacement

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

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8½ 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-2 (Back)

9. Remarks: _____
Applicable Manufacturer's Date 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 No. N/A Expiration Date N/A

Signed Dajun Dong for Equipment Performance Supervisor Date 6/27/00
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of North Carolina and employed by Hartford Steam Boiler Inspection and Insurance Company of One State Street, Hartford Connecticut 06102 have inspected the components described in this Owner's Report during the period 11-29-98 to 5-12-00, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

[Signature] Commissions NB 9291ABN¹ NC 1444
Inspector's Signature National Board, State, Province, and Endorsements

Date 6-29 2000

FORM NP-1 NPT CERTIFICATE HOLDERS' DATA REPORT FOR COMPONENT SUPPORTS*
As Required by the Provisions of the ASME Code Rules, Section III, Division 1

1. Manufactured by Pacific Scientific 1346 S. State College Blvd. Anaheim, Ca. 92803
(Name and address of NPT Certificate Holder)
2. Manufacturer for Southwest Fabricating & Welding Co., Inc. P.O. Box 9449 Houston Texas 77011
Ebasco Services, Inc. Agents for: (Name and address of purchaser or owner) Carolina Power & Light
3. Location of Installation Shearon Harris Nuclear Plants, Newhill, Wake County, N. Carolina 27562

4. Identification

(a) Component Support I. D. No.	(b) Canadian Registration No.	(c) Applicable Drawings with Last Rev. & Date	(d) Stress Report or Load Capacity Data Sheet	(e) Type of Component Support	(f) Class	(g) Nat'l Board No.	(h) Year Built
(1) 10913-	None	1801102-05-J	DR1351-A	Linear	1	None	1980
(2) 11117							
(3)							
(4)							
(5)							
(6)							
(7)							
(8)							
(9)							
(10)							

5. Remarks _____

CERTIFICATE OF COMPLIANCE

We certify that the statements made in this report are correct and that these components supports conform to the rules of construction of the ASME Code for Nuclear Power Plant Components, Section III, Division 1, Edition 1977, Addenda Summer '78
(Date)

Code Case No. 1644-6

Date 23 May 1980 Signed Pacific Scientific by Bill Jenkins
(NPT Certificate Holder)

Our ASME Certificate of Authorization No. 1193 to use the Component Supports
(NPT)

Symbol expires Aug. 4, 1981
(Date)

CERTIFICATION OF DESIGN

Design Information on File at Pacific Scientific

Stress Report or Load Capacity Data Sheets on File at Pacific Scientific

Filed Per NA 3256

Design Specifications Certified by (1) Leo E. Ay PE State California

Reg No. 13533

Stress Analysis Report or Load Capacity Data Sheets Certified by (1) Leo E. Ay

PE State California Reg No. 13533

(1) List name only, signature not required

* Supplemental sheets in form of lists, sketches or drawings may be used provided (1) size is 8 1/2 in. (2) information in items 1, 2 & 4c, 4g 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

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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 California and employed by HSB&T Co. of Hartford, CT have inspected the component supports described in this Data Report on 5/23/80 and state that to the best of my knowledge and belief the NPT Certificate Holder has constructed these component supports in accordance with the ASME Code for Nuclear Power Plant Components.

By signing this certificate, neither the inspector nor his employer makes any warranty, expressed or implied, concerning the component supports 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 5/23/80

Signed William Meyer

Commissioner

Ca #1494

(National, State, Prov. and No.)

CERTIFICATION OF FIELD INSPECTION

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 supports and state that the parts referred to as data items _____, not included in the certificate of shop inspection, have been inspected by me and that to the best of my knowledge and belief the NPT Certificate Holder has constructed these component supports in accordance with the ASME Code for Nuclear Power Plant Components.

By signing this certificate neither the inspector nor his employer makes any warranty, expressed or implied, concerning the component supports 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

Commissioner

(National, State, Prov. and No.)

030

FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS
As Required by the Provisions of the ASME Code Section XI

1. Owner Carolina Power & Light Company Date June 27, 2000
Name
P.O. Box 1551, Raleigh, N. C. 27602-1551 Sheet 1 of 2
Address
2. Plant Shearon Harris Nuclear Power Plant Unit 1
Name
P.O. Box 165, New Hill, N. C. 27562-0165 WR/JO 99-AART1
Address Repair Organization P.O. No., Job No., etc.
3. Work Performed by Carolina Power & light Company Type Code Symbol Stamp N/A
Name
P.O. Box 165 New Hill, N.C. 27562-0165 Authorization No. N/A
Address Expiration Date N/A
4. Identification of System: Blowdown ASME III, CLASS 2
5. (a) Applicable Construction Code ASME Sect.III 19 74 Edition, Winter 76 Addenda, N/A Code Case
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 89, Addenda NO

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
Snubber	Pacific Scientific	8788	N/A	BD-H-590	1980	Replaced	No
Snubber	Pacific Scientific	8780	N/A	BD-H-590	1980	Replacement	No

7. Description of Work: Snubber replacement.

8. Tests Conducted: Hydrustatic Pneumatic Nominal Operating Pressure
Other Pressure _____ psi Test Temp. _____ °F

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8½ 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-2 (Back)

9. Remarks: _____
Applicable Manufacturer's Date 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 No. N/A Expiration Date N/A

Signed Dayin Song for Equipment Performance Supervisor Date 6/27/00
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of North Carolina and employed by Hartford Steam Boiler Inspection and Insurance Company of One State Street, Hartford Connecticut 06102 have inspected the components described in this Owner's Report during the period 11-29-98 to 5-12-00, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

[Signature] Commissions NB 9291ABNI, NC 144
Inspector's Signature National Board, State, Province, and Endorsements

Date 6-29 2000

FORM NF-1 NPT CERTIFICATE HOLDERS' DATA REPORT FOR COMPONENT SUPPORTS*
 As Required by the Provisions of the ASME Code Rules, Section III, Division 1

Manufactured by Pacific Scientific 1346 S. State College Blvd. Anaheim, Ca. 92803
(Name and address of NPT Certificate Holder)
Southwest Fabricating & Welding Co., Inc.
(Name and address of NPT Certificate Holder)
P.O. Box 9449, Houston, Texas 77011
 2. Manufacturer for EBASCO SERVICES, INC. Agents for: Carolina Power & Light 27562
(Name and address of purchaser or owner)
 3. Location of Installation Shearon Harris Nuclear Plants Newhill, Wake County, N. Carolina

4 Identification

(a) Component Support I.D. No.	(b) Canadian Registration No.	(c) Applicable Drawings with Last Rev. & Date	(d) Stress Report or Load Capacity Data Sheet	(e) Type of Component Support	(f) Class	(g) Nat'l Board No.	(h) Year Built
(1) 8756-8808	None	1801104-07-H	DR-1347-Rev. B	Linear	1	None	1980
(2) _____	_____	_____	_____	_____	_____	_____	_____
(3) _____	_____	_____	_____	_____	_____	_____	_____
(4) _____	_____	_____	_____	_____	_____	_____	_____
(5) _____	_____	_____	_____	_____	_____	_____	_____
(6) _____	_____	_____	_____	_____	_____	_____	_____
(7) _____	_____	_____	_____	_____	_____	_____	_____
(8) _____	_____	_____	_____	_____	_____	_____	_____
(9) _____	_____	_____	_____	_____	_____	_____	_____
(10) _____	_____	_____	_____	_____	_____	_____	_____

5. Remarks _____

CERTIFICATE OF COMPLIANCE

I certify that the statements made in this report are correct and that these components supports conform to the rules of construction of the ASME Code for Nuclear Power Plant Components, Section III, Division 1, Edition 1977, Addenda Summer '78
(Date)
 Code Case No. 1644-6
 Date 14 May 1980 Signed Pacific Scientific by Bill Jenkins
(NPT Certificate Holder)
 Our ASME Certificate of Authorization No. 1198 to use the Component Supports
(NPT)
 Symbol expires Aug. 4, 1980
(Date)

CERTIFICATION OF DESIGN

Design Information on File at Pacific Scientific
 Stress Report or Load Capacity Data Sheets on File at Pacific Scientific
 Filed Per NA 3256
 Design Specifications Certified by (1) Leo E. Ay PE State California
 Reg. No. 13533
 Stress Analysis Report or Load Capacity Data Sheets Certified by (1) Leo E. Ay
 PE State California Reg. No. 13533
(1) List name only, signature not required.

Supplemental sheets in form of lists, sketches or drawings may be used provided (1) size is 8 1/2 in., (2) information in items 1, 2, 4c, 4g 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

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 California and employed by HSBI&I Co. of Hartford, CT

_____ have inspected the component supports described in this Data Report on 5/14 19 80 and state that to the best of my knowledge and belief the NPT Certificate Holder has constructed these component supports in accordance with the ASME Code for Nuclear Power Plant Components.

By signing this certificate, neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the component supports 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 5/14/80

Signed William Meyer Commissions Ca. #1494
(Nat'l Bd., State, Prov., and No.)

CERTIFICATION OF FIELD INSPECTION

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 supports and state that the parts referred to as data items _____, not included in the certificate of shop inspection, have been inspected by me and that to the best of my knowledge and belief the NPT Certificate Holder has constructed these component supports in accordance with the ASME Code for Nuclear Power Plant Components.

By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the component supports 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 _____
(Nat'l Bd., State, Prov., and No.)

FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS
As Required by the Provisions of the ASME Code Section XI

1. Owner Carolina Power & Light Company Date June 27, 2000
Name
P.O. Box 1551, Raleigh, N. C. 27602-1551 Sheet 1 of 2
Address
2. Plant Shearon Harris Nuclear Power Plant Unit 1
Name
P.O. Box 165, New Hill, N. C. 27562-0165 WR/JO 99-AASB1
Address Repair Organization P.O. No., Job No., etc.
3. Work Performed by Carolina Power & Light Company Type Code Symbol Stamp N/A
Name
P.O. Box 165 New Hill, N.C. 27562-0165 Authorization No. N/A
Address Expiration Date N/A
4. Identification of System: Charging System ASME III, CLASS 2
5. (a) Applicable Construction Code ASME Sect. III 1974 Edition, Winter 76 Addenda, N/A Code Case
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 89, Addenda NO

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
Snubber	Pacific Scientific	11001	N/A	CS-H-747A	1980	Replaced	No
Snubber	Pacific Scientific	8800	N/A	CS-H-747A	1980	Replacement	No

7. Description of Work: Snubber replacement.

8. Tests Conducted: Hydrostatic Pneumatic Nominal Operating Pressure
Other Pressure _____psi Test Temp. _____°F

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8½ 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-2 (Back)

9. Remarks: Applicable Manufacturer's Date 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 No. N/A Expiration Date N/A

Signed Dajin Song for Equipment Performance Supervisor Date 6/27/00
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of North Carolina and employed by Hartford Steam Boiler Inspection and Insurance Company of One State Street, Hartford Connecticut 06102 have inspected the components described in this Owner's Report during the period 11-29-98 to 5-12-00, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

[Signature] Commissions NB 9291ABNI, NC 1444
Inspector's Signature National Board, State, Province, and Endorsements

Date 6-29 2000

FORM NF-1 NPT CERTIFICATE HOLDERS' DATA REPORT FOR COMPONENT SUPPORTS*
 As Required by the Provisions of the ASME Code Rules, Section III, Division 1

1. Manufactured by Pacific Scientific 1346 S. State College Blvd. Anaheim, Ca. 92803
(Name and address of NPT Certificate Holder)
Southwest Fabricating & Welding Co., Inc.
P.O. Box 9449, Houston, Texas 77011

2. Manufacturer for ERASCO SERVICES, INC. Agents for: 27562
(Name and address of purchaser or owner)
Carolina Power & Light Shearon Harris Nuclear Plants Newhill, Wake County, N. Carolina

3. Location of Installation _____

4. Identification

(a) Component Support I.D. No.	(b) Canadian Registration No.	(c) Applicable Drawings with Last Rev. & Date	(d) Stress Report or Load Capacity Data Sheet	(e) Type of Component Support	(f) Class	(g) Nat'l Board No.	(h) Year Built
(1) 8756-8808	None	1801104-07-H	DR-1347-Rev. B	Linear	1	None	1980
(2) _____	_____	_____	_____	_____	_____	_____	_____
(3) _____	_____	_____	_____	_____	_____	_____	_____
(4) _____	_____	_____	_____	_____	_____	_____	_____
(5) _____	_____	_____	_____	_____	_____	_____	_____
(6) _____	_____	_____	_____	_____	_____	_____	_____
(7) _____	_____	_____	_____	_____	_____	_____	_____
(8) _____	_____	_____	_____	_____	_____	_____	_____
(9) _____	_____	_____	_____	_____	_____	_____	_____
(10) _____	_____	_____	_____	_____	_____	_____	_____

5. Remarks _____

CERTIFICATE OF COMPLIANCE

I certify that the statements made in this report are correct and that these components supports conform to the rules of construction of the ASME Code for Nuclear Power Plant Components, Section III, Division 1, Edition 1977, Addenda Summer '78
(Date)
 Code Case No. 1644-6
 Date 14 May 1980 Signed Pacific Scientific by Bill Jenkins
(NPT Certificate Holder)
 Our ASME Certificate of Authorization No. 1198 to use the Component Supports
(NPT)
 Symbol expires Aug. 4, 1980
(Date)

CERTIFICATION OF DESIGN

Design Information on File at Pacific Scientific

Stress Report or Load Capacity Data Sheets on File at Pacific Scientific

Filed Per NA 3256

Design Specifications Certified by (1) Leo E. Ay PE State California

Reg. No. 13533

Stress Analysis Report or Load Capacity Data Sheets Certified by (1) Leo E. Ay

PE State California Reg. No. 13533

(1) List name only, signature not required.

Supplemental sheets in form of lists, sketches or drawings may be used provided (1) size is 8 1/2 in., (2) information in items 1, 2, 4c, 4g 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

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 California and employed by ESBI&I Co. of Hartford, CT

have inspected the component supports described in this Data Report on 5/14 19 80 and state that to the best of my knowledge and belief the NPT Certificate Holder has constructed these component supports in accordance with the ASME Code for Nuclear Power Plant Components.

By signing this certificate, neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the component supports 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 5/14/80

Signed William Meyer Commissions Ca. #1499
(Nat'l Bd., State, Prov., and No.)

CERTIFICATION OF FIELD INSPECTION

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 supports and state that the parts referred to as data items _____, not included in the certificate of shop inspection, have been checked by me and that to the best of my knowledge and belief the NPT Certificate Holder has constructed these component supports in accordance with the ASME Code for Nuclear Power Plant Components.

By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the component supports 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 _____
(Nat'l Bd., State, Prov., and No.)

FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS
As Required by the Provisions of the ASME Code Section XI

1. Owner Carolina Power & Light Company Date June 27, 2000
Name
P.O. Box 1551, Raleigh, N. C. 27602-1551 Sheet 1 of 2
Address
2. Plant Shearon Harris Nuclear Power Plant Unit 1
Name
P.O. Box 165, New Hill, N. C. 27562-0165 WR/JO 99-AASC1
Address Repair Organization P.O. No., Job No., etc.
3. Work Performed by Carolina Power & Light Company Type Code Symbol Stamp N/A
Name
P.O. Box 165 New Hill, N.C. 27562-0165 Authorization No. N/A
Address Expiration Date N/A
4. Identification of System: Charging System ASME III, CLASS 2
5. (a) Applicable Construction Code ASME Sect.III 19 74 Edition, Winter 76 Addenda, N/A Code Case
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 89, Addenda NO

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
Snubber	Pacific Scientific	10989	N/A	CS-H-747B	1980	Replaced	No
Snubber	Pacific Scientific	9865	N/A	CS-H-747B		Replacement	No

7. Description of Work: Snubber replacement.

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

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8½ 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-2 (Back)

9. Remarks: _____
Applicable Manufacturer's Date 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 No. N/A Expiration Date N/A

Signed Dajin Song for Equipment Performance Supervisor Date 6/27/00
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of North Carolina and employed by Hartford Steam Boiler Inspection and Insurance Company of One State Street, Hartford Connecticut 06102 have inspected the components described in this Owner's Report during the period 11-29-98 to 5-12-00, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

[Signature] Commission: NB 9291ABN1, NC 1444
Inspector's Signature National Board, State, Province, and Endorsements

Date 6-28 2000

QA-7
3/77
Rev. 4

CAROLINA POWER & LIGHT COMPANY
SHEARON HARRIS NUCLEAR POWER PLANT
RECEIVING INSPECTION REPORT

Date Received 7-21-80
Quality Release No. 7-9-80

SEISMIC

EBASCO REF

Item Name/Description <u>SNUBBERS</u>	Shop Order <u>N/A</u>	Code Class <u>1</u>	Quantity <u>52</u>	Unit <u>1</u>	Quality Assurance Number (Purchase Order & Item No.) <u>QA-435035</u>
Serial Heat or Other Identification No. (Specify) <u>SEE REMARKS</u>	Supplier or Manufacturer <u>BERGEN-PATERSON</u>		Type of Procurement <input type="checkbox"/> CP&L PO <input type="checkbox"/> Transfer <input checked="" type="checkbox"/> A-E PO <input type="checkbox"/> USSS PO		

Base PO and CN's <u>N/A</u>	Coatings and Preservatives <u>N/A</u>
Project PO and CN's <u>YES</u>	Inert Gas Blanket <u>N/A</u>
Base E-Spec. and Rev. <u>N/A</u>	Desiccant and Indicator <u>N/A</u>
Project E-Spec./Dwg. and Rev. <u>YES</u>	Lubricants <u>N/A</u>
Storage Level <u>C</u>	Electrical Insulation <u>N/A</u>
Special Handling/Inspections <u>NONE</u>	User's Test <u>N/A</u>
Physical Damage <u>NONE</u>	*Material Certification <u>SAT</u>
Identification and Marking <u>SAT</u>	*Manufacturing Documentation <u>SAT</u>
Cleaness <u>SAT</u>	*Dimensions and Weld Preps <u>N/A</u>
Protective Covers and Seals <u>SAT</u>	*Workmanship <u>N/A</u>

*Inspection of these items not mandatory when Quality Release is received with shipment.

4340
0373

Remarks 100 TO INSPECTION
SNUBBERS
PSA 1/2"
S/N 8319, 8320
PSA 1"
S/N 9862 THRU 9872, 9909, 9910
9873 THRU 9880
9881 THRU 9890
PSA 1/2"
S/N 8322, 8323
PSA 3"
S/N 11923, 11918 THRU 11924, 11925 THRU 11927
PSA 10"
S/N 6423, 11925, 11926, 11927
PSA 1/2"
S/N 7666, 7831

SHIPPING AND PACKAGING AS PER PO/SPEC

Inspected By: Robert Cote 7-31-80
QC Inspector Date

Reviewed By: [Signature] 8/25/80
QA Specialist Date

White-RIR Package Canary-Accounting Pink-RIR Package (Temporary)

QA 435035

FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS
As Required by the Provisions of the ASME Code Section XI

1. Owner Carolina Power & Light Company Date June 27, 2000
Name
P.O. Box 1551, Raleigh, N. C. 27602-1551 Sheet 1 of 2
Address
2. Plant Shearon Harris Nuclear Power Plant Unit 1
Name
P.O. Box 165, New Hill, N. C. 27562-0165 WR/JO 99-AASD1
Address Repair Organization P.O. No., Job No., etc.
3. Work Performed by Carolina Power & Light Company Type Code Symbol Stamp N/A
Name
P.O. Box 165 New Hill, N.C. 27562-0165 Authorization No. N/A
Address Expiration Date N/A
4. Identification of System: Charging System ASME III, CLASS 2
5. (a) Applicable Construction Code ASME Sect.III 19 74 Edition, Winter 76 Addenda, N/A Code Case
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 89, Addenda NO
6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
Snubber	Pacific Scientific	7255	N/A	CS-H-763	1979	Replaced	No
Snubber	Pacific Scientific	21352	N/A	CS-H-763	1981	Replacement	No

7. Description of Work: Snubber replacement.
8. Tests Conducted: Hydrostatic Pneumatic Nominal Operating Pressure
Other Pressure _____psi Test Temp. _____of

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8½ 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-2 (Back)

9. Remarks: _____
Applicable Manufacturer's Date 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 No. N/A Expiration Date N/A

Signed Dagmar Jorg for Equipment Performance Supervisor Date 6/27/00
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of North Carolina and employed by Hartford Steam Boiler Inspection and Insurance Company of One State Street, Hartford Connecticut 06102 have inspected the components described in this Owner's Report during the period 11-29-98 to 5-12-00, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

[Signature] Commissions NB 9291ABNI, NC 1444
Inspector's Signature National Board, State, Province, and Endorsements

Date 6-29 2000

FORM NF-1 NPT CERTIFICATE HOLDERS' DATA REPORT FOR COMPONENT SUPPORTS*
 As Required by the Provisions of the ASME Code Rules, Section III, Division 1

1. Manufactured by Pacific Scientific 1346 S. State College Blvd. Anaheim, Ca. 92803
(Name and address of NPT Certificate Holder)
Southwest Fabrication & Welding Co., Inc. P.O. Box 9449, Houston, Texas 77011
(Name and address of purchaser or owner)
 2. Manufacturer for Agents for Carolina Power
Ebasco Services, Inc.
 3. Location of Installation & Light Sharon Harris Nuclear Plants, Newhill, Wake County, N. Carolina
 4. Identification 27562

(a) Component Support I.D. No	(b) Canadian Registration No	(c) Applicable Drawings with Last Rev. & Date	(d) Stress Report or Load Capacity Data Sheet	(e) Type of Component Support	(f) Class	(g) Nat'l Board No.	(h) Year Built
(1) 21321-21354	None	1801104-05-J	DR-1412-Rev. 0	Linear	1	None	1981
(2) & 20540	"	"	"	"	"	"	"
(3)							
(4)							
(5)							
(6)							
(7)							
(8)							
(9)							
(10)							

5. Remarks

CERTIFICATE OF COMPLIANCE

We certify that the statements made in this report are correct and that these components supports conform to the rules of construction of the ASME Code for Nuclear Power Plant Components, Section III, Division 1, Edition 1977, Addenda Summer '78.

Code Case No. 1544-6
 Date 7/15/81 Signed Pacific Scientific by Rosalie A. Nava
(NPT Certificate Holder)

Our ASME Certificate of Authorization No. 1198 to use the Component Supports
(NPT)

Symbol expires Aug. 4, 1981
(Date)

CERTIFICATION OF DESIGN

Design Information on File at Pacific Scientific

Stress Report or Load Capacity Data Sheets on File at Pacific Scientific

Filed Per NA 3256
 Design Specifications Certified by (1) LEO E. AY PE State California

Reg No. 13533

Stress Analysis Report or Load Capacity Data Sheets Certified by (1) Leo E. Ay

PE State California Reg No. 13533

(1) List name only, signature not required

* Supplemental sheets in form of lists, sketches or drawings may be used provided (1) size is 8 1/2 in., (2) information in items 1, 2 & 4c, 4g 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

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 California and employed by HSB&I Co. of Hartford, CT

have inspected the component supports described in this Data Report on 7-16-81 and state that to the best of my knowledge and belief the NPT Certificate Holder has constructed these component supports in accordance with the ASME Code for Nuclear Power Plant Components

By signing this certificate, neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the component supports 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 7-16-81
Signed William May Commissions Ca #1494
(Nat'l Bd. State, Prov. and No.)

CERTIFICATION OF FIELD INSPECTION

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 supports and state that the parts referred to as data items _____ not included in the certificate of shop inspection, have been inspected in the field and that to the best of my knowledge and belief the NPT Certificate Holder has constructed these component supports in accordance with the ASME Code for Nuclear Power Plant Components

By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the component supports 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 _____
(Nat'l Bd. State, Prov. and No.)

FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS
As Required by the Provisions of the ASME Code Section XI

1. Owner Carolina Power & Light Company Date June 27, 2000
Name
P.O. Box 1551, Raleigh, N. C. 27602-1551 Sheet 1 of 2
Address
2. Plant Shearon Harris Nuclear Power Plant Unit 1
Name
P.O. Box 165, New Hill, N. C. 27562-0165 WR/JO 99-AASF1
Address Repair Organization P.O. No., Job No., etc.
3. Work Performed by Carolina Power & Light Company Type Code Symbol Stamp N/A
Name
P.O. Box 165 New Hill, N.C. 27562-0165 Authorization No. N/A
Address Expiration Date N/A
4. Identification of System: Feedwater ASME III, CLASS 2
5. (a) Applicable Construction Code ASME Sect. III 19 74 Edition, Winter 76 Addenda, N/A Code Case
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 89, Addenda NO

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
Snubber	Pacific Scientific	4865	N/A	FW-H-126B		Replaced	No
Snubber	Pacific Scientific	5207	N/A	FW-H-126B	1980	Replacement	No

7. Description of Work: Snubber replacement.

8. Tests Conducted: Hydrostatic Pneumatic Nominal Operating Pressure
Other Pressure _____psi Test Temp. _____°F

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8½ 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-2 (Back)

9. Remarks: Applicable Manufacturer's Date 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 No. N/A Expiration Date N/A

Signed D. J. Perry for Equipment Performance Supervisor Date 6/27/00
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of North Carolina and employed by Hartford Steam Boiler Inspection and Insurance Company of One State Street, Hartford Connecticut 06102 have inspected the components described in this Owner's Report during the period 11-29-98 to 5-12-00, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

[Signature] Commissions NB 9291ABNI, NC 1444
Inspector's Signature National Board, State, Province, and Endorsements

Date 6-29 2000

FORM NP-1 NPT CERTIFICATE HOLDERS' DATA REPORT FOR COMPONENT SUPPORTS*
As Required by the Provisions of the ASME Code Rules, Section III, Division 1

1. Manufactured by Pacific Scientific 1346 S. State College Blvd. Anaheim, Ca. 92803
(Name and address of NPT Certificate Holder)

2. Manufacturer for Southwest Fabricating & Welding Co., Inc. P.O. Box 9449 Houston Texas 77011
Enacco Services, Inc. Agents for: (Name and address of purchaser or owner) 27562

3. Location of Installation Carolina Power & Light Shearon Harris Nuclear Plants Newhill, Wake County N. Carolina

4. Identification

(a) Component Support I D. No	(b) Canadian Registration No.	(c) Applicable Drawings with Last Rev. & Date	(d) Stress Report or Load Capacity Data Sheet	(e) Type of Component Support	(f) Class	(g) Nat'l Board No.	(h) Year Built
(1) 5198-5209	None	1801112-09-D	DR-1333-Rev. A	Linear	1	None	1980
(2) _____	_____	_____	_____	_____	_____	_____	_____
(3) _____	_____	_____	_____	_____	_____	_____	_____
(4) _____	_____	_____	_____	_____	_____	_____	_____
(5) _____	_____	_____	_____	_____	_____	_____	_____
(6) _____	_____	_____	_____	_____	_____	_____	_____
(7) _____	_____	_____	_____	_____	_____	_____	_____
(8) _____	_____	_____	_____	_____	_____	_____	_____
(9) _____	_____	_____	_____	_____	_____	_____	_____
(10) _____	_____	_____	_____	_____	_____	_____	_____

5. Remarks _____

CERTIFICATE OF COMPLIANCE

We certify that the statements made in this report are correct and that these components supports conform to the rules of construction of the ASME Code for Nuclear Power Plant Components, Section III, Division 1, Edition 1977 Addenda Summer '78
Code Case No. 1644-6 (Date)
Date 1-25-80 Signed Pacific Scientific by D. L. Yager
(NPT Certificate Holder)
Our ASME Certificate of Authorization No. 1198 to use the Component Supports
(NPT)
Symbol expires Aug. 4, 1981
(Date)

CERTIFICATION OF DESIGN

Design Information on File at Pacific Scientific
Stress Report or Load Capacity Data Sheets on File at Pacific Scientific
Filed Per NA 3256
Design Specifications Certified by (1) Leo E. Ay PE State California
Reg. No. 13533
Stress Analysis Report or Load Capacity Data Sheets Certified by (1) Leo E. Ay
PE State California Reg No. 13533
(1) List name only, signature not required

*Supplemental sheets in form of lists, sketches or drawings may be used provided (1) size is 8" x 11" (2) information in items 1, 2, 4c, 4g 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

FORM NF-1 (Back)

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 New York and employed by HSBI&I Co. of Hartford, CT have inspected the component supports described in this Data Report on 4/25

19 80 and state that to the best of my knowledge and belief the NPT Certificate Holder has constructed these component supports in accordance with the ASME Code for Nuclear Power Plant Components.

By signing this certificate, neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the component supports 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 4/25/80

Signed William May Commissions N.Y. Comm #2770
(Nat'l Bd. State, Prov., and No.)

CERTIFICATION OF FIELD INSPECTION

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 supports and state that the parts referred to as data items _____ not included in the certificate of shop inspection, have been inspected by me and that to the best of my knowledge and belief the NPT Certificate Holder has constructed these component supports in accordance with the ASME Code for Nuclear Power Plant Components.

By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the component supports 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 _____
(Nat'l Bd. State, Prov., and No.)

FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS
As Required by the Provisions of the ASME Code Section XI

1. Owner Carolina Power & Light Company Date July 13, 2000
Name
P.O. Box 1551, Raleigh, N. C. 27602-1551 Sheet 1 of 2
Address
2. Plant Shearon Harris Nuclear Power Plant Unit 1
Name
P.O. Box 165, New Hill, N. C. 27562-0165 WR/JO 99-AHQN3
Address Repair Organization P.O. No., Job No., etc.
3. Work Performed by Carolina Power & Light Company Type Code Symbol Stamp N/A
Name
P.O. Box 165 New Hill, N.C. 27562-0165 Authorization No. N/A
Address Expiration Date N/A
4. Identification of System: Reactor Coolant Sampling ASME III, CLASS 2
5. (a) Applicable Construction Code ASME Sect. III 19 74 Edition, WINTER 1976 Addenda, N/A Code Case
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 89, Addenda NO
6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
Support	N/A	N/A	N/A	W-S-6	N/A	Repaired	N/A

7. Description of Work: Removed and reinstalled hanger by welding.

8. Tests Conducted: Hydrostatic Pneumatic Nominal Operating Pressure
Other Pressure _____ psi Test Temp. _____ of

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8½ 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-2 (Back)

9. Remarks: _____
Applicable Manufacturer's Date Reports to be attached

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp N/A

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

Signed Dayan Droms for Equipment Performance Supervisor Date 7/13/00
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of North Carolina and employed by Hartford Steam Boiler Inspection and Insurance Company of One State Street, Hartford Connecticut 06102 have inspected the components described in this Owner's Report during the period 11-29-98 to 5-12-00, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

[Signature] Commissions NB 9291ABNI, NC 1444
Inspector's Signature National Board, State, Province, and Endorsements

Date 7-17 2000

FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS
As Required by the Provisions of the ASME Code Section XI

1. Owner Carolina Power & Light Company Date July 12, 2000
Name
P.O. Box 1551, Raleigh, N. C. 27602-1551 Address Sheet 1 of 2
2. Plant Shearon Harris Nuclear Power Plant Unit 1
Name
P.O. Box 165, New Hill, N. C. 27562-0165 Address WR/JO 99-ABXY1
Repair Organization P.O. No., Job No., etc.
3. Work Performed by Carolina Power & Light Company Type Code Symbol Stamp N/A
Name
P.O. Box 165 New Hill, N.C. 27562-0165 Address Authorization No. N/A
Expiration Date N/A
4. Identification of System: Feedwater ASME III, CLASS 2
5. (a) Applicable Construction Code ASME Sect. III 19 74 Edition, WINTER 1976 Addenda, N/A Code Case
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 89, Addenda NO
6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
Flange	Dubose NES	N/A	N/A	PN# A2655 HT# C5292	N/A	Replacement	No
Pipe	Dubose NES	N/A	N/A	PN# 2705 HT# 446979	N/A	Replacement	No
Nut	Dubose NES	N/A	N/A	PN# 514-108-43 HT# LMQ	N/A	Replacement	No
Stud	Dubose NES	N/A	N/A	PN# 514-116-19 HT# NBA	N/A	Replacement	No
Elbow	Dubose NES	N/A	N/A	PN# 514-157-92 HT# AP8	N/A	Replacement	No

7. Description of Work: Installation of new 2 inch nitrogen line.

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

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8½ 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.
2/82)