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U.S. Nuclear Regulatory Commission  
ATTN: NRC Document Control Desk  
Washington, DC 20555

SHEARON HARRIS NUCLEAR POWER PLANT UNIT 1  
DOCKET NO. 50-400/LICENSE NO. NPF-63  
INSERVICE INSPECTION SUMMARY REPORT

Ladies and Gentlemen:

The enclosed Inservice Inspection (ISI) Summary Report for Progress Energy, Inc.'s Harris Nuclear Plant (HNP) is submitted in accordance with the reporting requirements of the ASME Boiler and Pressure Vessel Code, 1989 Edition, Section XI, Article IWA-6220(c). This report includes the inspections performed at HNP during Cycle 11 operations and Refueling Outage No. 11 of the second 10-year ISI interval.

Please refer any questions regarding this submittal to Mr. John Caves, Supervisor – Licensing/Regulatory Programs, at (919) 362-3137.

Sincerely,

A handwritten signature in cursive script that reads 'John R. Caves'.

J. R. Caves  
Supervisor – Licensing/Regulatory Programs  
Harris Nuclear Plant

JRC/jpy

Enclosure

- c: Mr. R. A. Musser (HNP Senior NRC Resident)  
Mr. C. P. Patel (NRR Project Manager, NRC)  
Mr. L. A. Reyes (NRC Regional Administrator, Region II)  
Mr. J. M. Givens, Jr. (NC Department of Labor, Boiler Safety Bureau)

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**CAROLINA POWER AND LIGHT COMPANY  
SHEARON HARRIS NUCLEAR POWER PLANT  
Unit One**

**Inservice Inspection (ISI)  
Summary Report  
For  
RFO-11**

**Carolina Power and Light  
PO Box 1551  
Raleigh, NC 27602-1551**

**Shearon Harris Nuclear Power Plant  
5413 Shearon Harris Road  
New Hill, NC 27562**

**Date Of Commercial Service  
May 2, 1987**

**Document Completion Date  
July 30, 2003**

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**SECTION 1**

**SUMMARY**

## SUMMARY

The Shearon Harris Nuclear Power Plant, Unit 1, Ten Year Inservice Inspection Plan was developed to comply with 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 of the Inservice Inspection (ISI) examinations performed on selected Class 1 and 2 pressure retaining components and their supports at Harris Nuclear Plant from 12/31/01 to 5/18/03. The RFO-11 examinations were performed during the second period in the second inspection interval. The typical designation for this duration is 2-2-11, (Second Interval, Second Period, Eleventh Refueling Outage). This is the final outage of the second inspection period.

The components selected were from the HNP ISI Program Plan – 2<sup>nd</sup> Interval, HNP-ISI-002. The components selected for examination consisted of piping welds, vessel welds, component welds, component supports and integral attachments.

ASME Section XI examinations were completed as scheduled in the HNP ISI Program Plan. The minimum and maximum percentage requirements for examinations completed meet the requirements of ASME Section XI, Tables IWB-2412-1 and IWC-2412-1.

### **NDE of Welds Summary**

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 required. No rejectable indications were noted. Any indications identified during examinations were evaluated and documented as applicable on each weld examination data report. Code Case N-460 was invoked where the examination achieved greater than 90%, but less than 100% code coverage.

A Bare Metal Visual (BMV) examination of the reactor vessel closure head was performed as required by NRC Order EA-03-009. In response to recent industry issues regarding bottom head instrumentation penetrations a BMV examination was also performed on the reactor's bottom head. The purpose of these examinations was to detect any evidence of cracking or leaking. No evidence of cracking or leaking was observed. The results of these examinations were reported under a separate report, HNP 03-070, "Sixty-Day Report in Accordance with NRC Order for Establishing Interim Inspection Requirements for Reactor Pressure Vessel Heads At Pressurized Water Reactors Inspection of RPV Head During Refueling Outage".

Personnel performing the ISI examinations used isometric drawings in conjunction with tagged valves, component supports, points of connection, vessels, 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 Preservice Inspection (PSI). The NDE examination reports, personnel certifications, examination equipment, NDE procedures, calibration standards and the ISI isometrics are listed in the RFO-11 Outage Examination Results Report. The RFO-11 Outage Examination Results Report is available upon request.

### **Component Support and Snubber Summary**

ASME Section XI component support examinations were completed as scheduled in the HNP-ISI-002 Program Plan for outage 2-2-11 (RFO-11). All ASME Section XI component support exams are complete as scheduled for the current ISI interval. Exam results were satisfactory with the exception of the Steam Generator B upper lateral support (ULS) and lower vertical support columns which were observed with loose bolting. The examination scope was expanded to include the corresponding supports of Steam Generators A and C. The additional exams revealed loose shim bolting (non-structural) on the Steam Generator C ULS. The remaining additional exam results were satisfactory. All of the discrepancies noted above were corrected.

In RFO-11, the Technical Specification augmented snubber inspection and testing program included visual inspection of 817 snubbers, primarily those identified as inaccessible because of their location in the Reactor Containment Building. The visual inspections performed in RFO-11 completed the snubber inspection interval in accordance with Generic Letter 90-09, as implemented by procedure ISI-202, Revision 15, Safety-Related Component Support (Hangers and Snubbers) Examination and Testing Program.

RFO-11 snubber testing activities included functional testing of 37 mechanical snubbers and 5 large bore hydraulic snubbers in the representative sample plans, and 27 mechanical snubbers in the "harsh environment" test group. Testing results of the mechanical snubbers in the representative sample plan were satisfactory with one PSA 100 snubber being identified as degraded. The hydraulic snubber test results were all satisfactory. Of the harsh environment snubbers, two were found rigid (locked) when removed and were declared as failures. One snubber in the group was determined to be degraded during testing. Stress evaluations were performed on the piping associated with the failures and determined that the attachment points were not adversely affected by the failures.

Per ISI-202, testing scope was expanded for the failed snubbers to include one additional snubber from the harsh environment test group for each failure. This resulted in identifying another rigid failure and testing one additional snubber.

### **Steam Generator ISI Summary**

100% of the open Steam Generator (SG) tubing (all 3 SGs) was inspected using Eddy Current Technology (bobbin exam) during RFO-11. Rotating coil examinations were conducted on a sample of benign indications recorded from baseline exam (pre-service inspection), and a sample of RFO-11 recorded benign indications. This was the first in-service inspection of the SG tubing following SG replacement in RFO-10.

There was no evidence of tube degradation detected from the eddy current data analysis. The examination results for the SGs are classified as Category C-1 per the Harris Technical Specifications and EPRI NDE Examination Guidelines. Category C-1 has the following criteria: "Less than 5% of the total tubes inspected are degraded tubes and none of the inspected tubes are defective".

#### **System Pressure Tests**

ASME Class 1, 2 and 3 Pressure Tests were performed during RFO-11 in accordance with ASME Section XI, Sections IWA-5000, IWB-5000 and IWC-5000.

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 where appropriate to allow use of Appendix J Testing in lieu of ASME Pressure Tests for 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. Where leakage was identified, it was either evaluated in accordance with Relief Request 2-RG-009 or, in most cases, measures were taken to correct the condition. The Pressure Test records and supporting documentation are on file at the site and can be made available for review if requested.

#### **Containment Inspections**

No IWE/IWL Inservice Inspections were scheduled for this outage.

#### **Repair and Replacement Summary**

The repair and replacement summary and the attached ASME Section XI, NIS-2 forms detail the component, system, Work Order document, component description and the description of the Work Order activity. Complete repair and replacement documentation for the specific component is maintained on site as a permanent record and is retrievable through the WR (Work Request) /WO (Work Order) document package, which is identified on the NIS-2 form.

**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 Progress Energy Carolinas, Inc. P.O. Box 1551, Raleigh, N.C. 27602  
 (Name and Address of Owner)

2. Plant Shearon 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 Section 3, 4, 5, and 6)

Component or Appurtenance	Manufacturer or Installer	Manufacturer or Installer Serial No.	State or Province No.	National Board No.
Reactor Vessel	CB & I	T40	NC212410	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
Excess Letdown Heat Exchanger	Atlas	NA	NC203942	1999
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	12243	NC301552	63
Steam Generator - B	Westinghouse	12244	NC301553	64
Steam Generator - C	Westinghouse	12245	NC301554	65
Pressurizer	Westinghouse	1641	NC212409	W11306
Safety Injection	CP&L	SI	N/A	46
Service Water	CP&L	SW	N/A	64
RHR Heat Exchanger - 1A-SA	Joseph Oat Corp.	2168-1B7	NC203028	740

FORM NIS-1

8. Examination Dates 12/31/01 to 5/18/03

9. Inspection Period Identification: Second Inspection Period

10. Inspection Interval Identification: Second Inspection Interval

11. Applicable Edition of Section XI: 1989 Edition Addenda: None

12. Date/Revision of Inspection Plan: January 26, 1998/Revision 0

13. Abstract of Examinations and Tests. Include a list of examinations and a statement concerning status of work required for current interval. (See Sections 1, 3 & 4)

14. Abstract of Results of Examinations and Tests. (See Sections 1, 3 & 4)

15. Abstract of Corrective Measures. (See Sections 3 & 4)

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 JULY 30, 2003 Signed Progress Energy Carolinas, Inc. 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 HSBCT of Hartford, CT. have inspected the components described in this Owner's Report during the period 12/31/01 to 5/18/03, 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 as required by the ASME Code, Section XI.

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

[Signature]  
Inspector's Signature

Commissions NB 9931, NC1507, A, B, I, N, NS  
National Board, State, Province, and Endorsements

Date July 30, 2003

**SECTION 3**

**WELD EXAMINATION RESULTS**

# ISI Weld Examination Summary

## RF-11

Component ID	NDE Method	Requirement	Exam Date	Code	Credit	Pass/Fail	Exam Complete
II-BD-007BD-FW-312	MT	B07-02	01-May-03	NA		PASS	Exam Complete
II-BD-007BD-FW-313	MT	B07-02	05-May-03	NA		PASS	Exam Complete
II-BD-007BD-H-0015I(8)	MT	B07-02	01-May-03	NA		PASS	Exam Complete
II-BD-007BD-SW-A6	MT	B07-02	01-May-03	NA		PASS	Exam Complete
II-BD-007BD-SW-B3	MT	B07-02	01-May-03	NA		PASS	Exam Complete
II-BD-007BD-SW-B4	MT	B07-02	01-May-03	NA		PASS	Exam Complete
II-BD-008BD-FW-319	MT	B07-02	05-May-03	NA		PASS	Exam Complete
II-BD-008BD-FW-320	MT	B07-02	03-May-03	NA		PASS	Exam Complete
II-BD-008BD-SW-A5	MT	B07-02	03-May-03	NA		PASS	Exam Complete
II-BD-008BD-SW-A6	MT	B07-02	03-May-03	NA		PASS	Exam Complete
II-BD-008BD-SW-A9	MT	B07-02	05-May-03	NA		PASS	Exam Complete
II-BD-008BD-SW-B3	MT	B07-02	05-May-03	NA		PASS	Exam Complete
II-BD-008BD-SW-B4	MT	B07-02	03-May-03	NA		PASS	Exam Complete
II-BD-008BD-SW-B5	MT	B07-02	03-May-03	NA		PASS	Exam Complete
II-BD-009BD-FW-305	MT	B07-02	05-May-03	NA		PASS	Exam Complete
II-BD-009BD-FW-306	MT	B07-02	05-May-03	NA		PASS	Exam Complete
II-BD-009BD-H-0031I(2)	MT	B07-02	05-May-03	NA		PASS	Exam Complete
II-BD-009BD-SW-B3	MT	B07-02	05-May-03	NA		PASS	Exam Complete
II-BD-009BD-SW-B4	MT	B07-02	05-May-03	NA		PASS	Exam Complete
II-BD-009BD-SW-B5	MT	B07-02	05-May-03	NA		PASS	Exam Complete
II-CS-001CS-128-2-SW-1	PT	B03-02	24-Mar-03	NA		PASS	Exam Complete
II-CS-001CS-128-2-SW-2	PT	B03-02	24-Mar-03	NA		PASS	Exam Complete
II-CS-001CS-128-3-SW-1	PT	B03-02	01-Apr-03	NA		PASS	Exam Complete
II-CS-001CS-128-3-SW-1A	PT	B03-02	01-Apr-03	NA		PASS	Exam Complete
II-CS-001CS-128-FW-158	PT	B03-02	24-Mar-03	NA		PASS	Exam Complete
II-CS-001CS-128-FW-159	PT	B03-02	24-Mar-03	NA		PASS	Exam Complete
II-CS-001CS-FW-195	PT	B03-02	24-Mar-03	NA		PASS	Exam Complete
II-CS-001CS-FW-196	PT	B03-02	24-Mar-03	NA		PASS	Exam Complete
II-CS-001CS-FW-218	PT	B03-02	26-Mar-03	NA		PASS	Exam Complete
II-CS-001CS-FW-219	PT	B03-02	26-Mar-03	NA		PASS	Exam Complete
II-CS-001CS-SW-C4	PT	B03-02	24-Mar-03	NA		PASS	Exam Complete
II-CS-001CS-SW-C5	PT	B03-02	24-Mar-03	NA		PASS	Exam Complete
II-CS-002CS-SW-I3	PT	B03-02	31-Mar-03	NA		PASS	Exam Complete
II-CS-002CS-SW-I4	PT	B03-02	31-Mar-03	NA		PASS	Exam Complete
II-CS-002RH-SW-A10	PT	B03-02	31-Mar-03	NA		PASS	Exam Complete
II-CS-002RH-SW-A10A	PT	B03-02	31-Mar-03	NA		PASS	Exam Complete
II-CS-002RH-SW-A12	PT	B03-02	31-Mar-03	NA		PASS	Exam Complete
II-CS-002RH-SW-A12A	PT	B03-02	31-Mar-03	NA		PASS	Exam Complete
II-CS-002RH-SW-A7	PT	B03-02	31-Mar-03	NA		PASS	Exam Complete
II-CS-002RH-SW-A8	PT	B03-02	31-Mar-03	NA		PASS	Exam Complete
II-CS-002RH-SW-A8A	PT	B03-02	31-Mar-03	NA		PASS	Exam Complete
II-CS-002RH-SW-A9	PT	B03-02	31-Mar-03	NA		PASS	Exam Complete

# ISI Weld Examination Summary

## RF-11

Component ID	NDE Method	Requirement	Exam Date	Code	Credits	Pass/Fail	Exam Complete
II-CS-002RH-SW-A9A	PT	B03-02	31-Mar-03	NA		PASS	Exam Complete
II-CS-002RH-SW-C10	PT	B03-02	01-Apr-03	NA		PASS	Exam Complete
II-CS-002RH-SW-C10A	PT	B03-02	01-Apr-03	NA		PASS	Exam Complete
II-CS-002RH-SW-C9	PT	B03-02	01-Apr-03	NA		PASS	Exam Complete
II-CS-002RH-SW-C9A	PT	B03-02	01-Apr-03	NA		PASS	Exam Complete
II-CS-021CS-FW-107	PT	B03-02	24-Mar-03	NA		PASS	Exam Complete
II-CS-021CS-FW-108	PT	B03-02	24-Mar-03	NA		PASS	Exam Complete
II-CS-021CS-FW-209	PT	B03-02	24-Mar-03	NA		PASS	Exam Complete
II-CS-021CS-FW-209A	PT	B03-02	24-Mar-03	NA		PASS	Exam Complete
II-CS-021CS-FW-210	PT	B03-02	24-Mar-03	NA		PASS	Exam Complete
II-CS-021CS-FW-210A	PT	B03-02	24-Mar-03	NA		PASS	Exam Complete
II-CS-021CS-FW-220	PT	B03-02	31-Mar-03	NA		PASS	Exam Complete
II-CS-021CS-SW-C4	PT	B03-02	01-Apr-03	NA		PASS	Exam Complete
II-CS-021CS-SW-C4A	PT	B03-02	01-Apr-03	NA		PASS	Exam Complete
II-CS-021CS-SW-C5	PT	B03-02	01-Apr-03	NA		PASS	Exam Complete
II-CS-021CS-SW-C5A	PT	B03-02	01-Apr-03	NA		PASS	Exam Complete
II-CS-021CS-SW-D3	PT	B03-02	24-Mar-03	NA		PASS	Exam Complete
II-CS-021CS-SW-D3A	PT	B03-02	24-Mar-03	NA		PASS	Exam Complete
II-CS-021CS-SW-D4	PT	B03-02	24-Mar-03	NA		PASS	Exam Complete
II-CS-021CS-SW-D4A	PT	B03-02	24-Mar-03	NA		PASS	Exam Complete
II-CS-021CS-SW-D5	PT	B03-02	24-Mar-03	NA		PASS	Exam Complete
II-CS-021CS-SW-D5A	PT	B03-02	24-Mar-03	NA		PASS	Exam Complete
II-CS-021CS-SW-K8	PT	B03-02	31-Mar-03	NA		PASS	Exam Complete
II-CS-021CS-SW-K9	PT	B03-02	31-Mar-03	NA		PASS	Exam Complete
II-CS-021CS-SW-M3	PT	B03-02	01-Apr-03	NA		PASS	Exam Complete
II-CS-021RH-SW-B6	PT	B03-02	05-May-03	NA		PASS	Exam Complete
II-CS-021RH-SW-B6A	PT	B03-02	05-May-03	NA		PASS	Exam Complete
II-CS-097RC-129-1-SW-1	PT	74S75/89-0	28-Apr-03	Yes		PASS	Exam Complete
II-CS-097RC-FW-340	PT	74S75/89-0	28-Apr-03	Yes		PASS	Exam Complete
II-CS-097RC-FW-344	PT	74S75/89-0	28-Apr-03	Yes		PASS	Exam Complete
II-CS-097RC-SW-A3	PT	74S75/89-0	28-Apr-03	Yes		PASS	Exam Complete
II-CS-097RC-SW-A4	PT	74S75/89-0	28-Apr-03	Yes		PASS	Exam Complete
II-CS-097RC-SW-B5	PT	74S75/89-0	28-Apr-03	Yes		PASS	Exam Complete
II-CS-106CS-SW-C4	UT	89-02	29-Apr-03	Yes		PASS	Exam Complete
II-CS-106CS-SW-C4	PT	89-02	29-Apr-03	Yes		PASS	Exam Complete
II-CS-107CS-593-2-SW-1	PT	74S75/89-0	01-May-03	Yes		PASS	Exam Complete
II-CS-107CS-593-F-01 (4)	VT-1	89-02	01-May-03	Yes		PASS	Exam Complete
II-CS-107CS-SW-A3	PT	74S75/89-0	01-May-03	Yes		PASS	Exam Complete
II-CT-001CT-6-3-SW-1	PT	B03-02	26-Mar-03	NA		PASS	Exam Complete
II-CT-001CT-6-3-SW-1	UT	B03-02	26-Mar-03	NA		PASS	Exam Complete
II-CT-001CT-SW-C4	UT	B03-02	26-Mar-03	NA		PASS	Exam Complete
II-CT-001CT-SW-C4	PT	B03-02	26-Mar-03	NA		PASS	Exam Complete

# ISI Weld Examination Summary

## RF-11

Component ID	NDE Method	Requirement	Exam Date	Code	Credit	Pass/Fail	Exam Complete
II-CT-001CT-SW-C5	UT	B03-02	26-Mar-03	NA		PASS	Exam Complete
II-CT-001CT-SW-C5	PT	B03-02	26-Mar-03	NA		PASS	Exam Complete
II-CT-001CT-SW-D3	UT	B03-02	26-Mar-03	NA		PASS	Exam Complete
II-CT-001CT-SW-D3	PT	B03-02	25-Mar-03	NA		PASS	Exam Complete
II-CT-001CT-SW-E4	PT	B03-02	25-Mar-03	NA		PASS	Exam Complete
II-CT-001CT-SW-E4	UT	B03-02	26-Mar-03	NA		PASS	Exam Complete
II-FMR-01MS-SW-E3	MT	89-02	05-May-03	Yes		PASS	Exam Complete
II-FMR-01MS-SW-E3	UT	89-02	05-May-03	Yes		PASS	Exam Complete
II-FMR-01MS-SW-E3A	MT	89-02	05-May-03	Yes		PASS	Exam Complete
II-FMR-01MS-SW-E3A	UT	89-02	05-May-03	Yes		PASS	Exam Complete
II-FMR-01MS-SW-E3B	MT	89-02	05-May-03	Yes		PASS	Exam Complete
II-FMR-01MS-SW-E3B	UT	89-02	05-May-03	Yes		PASS	Exam Complete
II-FMR-02MS-SW-A3	UT	89-02	04-May-03	Yes		PASS	Exam Complete
II-FMR-02MS-SW-A3	MT	89-02	04-May-03	Yes		PASS	Exam Complete
II-FMR-02MS-SW-A3A	UT	89-02	04-May-03	Yes		PASS	Exam Complete
II-FMR-02MS-SW-A3A	MT	89-02	04-May-03	Yes		PASS	Exam Complete
II-FMR-02MS-SW-A3B	UT	89-02	04-May-03	Yes		PASS	Exam Complete
II-FMR-02MS-SW-A3B	MT	89-02	04-May-03	Yes		PASS	Exam Complete
II-FMR-02RC-10-18-SW-H7	PT	74S75/89-0	03-May-03	Yes		PASS	Exam Complete
II-FMR-02RC-10-18-SW-H8	PT	74S75/89-0	03-May-03	Yes		PASS	Exam Complete
II-FMR-02RC-10-18-SW-L2	PT	74S75/89-0	03-May-03	Yes		PASS	Exam Complete
II-FMR-02RC-10-18-SW-L3	PT	74S75/89-0	03-May-03	Yes		PASS	Exam Complete
II-FMR-02RC-10-18-SW-L6	PT	74S75/89-0	03-May-03	Yes		PASS	Exam Complete
II-FMR-03MS-H-0026I(2)	MT	89-02	28-Apr-03	Yes		PASS	Exam Complete
II-FW-001FW-36-2-SW-7	UT	B05-02	26-Apr-03	NA		PASS	Exam Complete
II-FW-001FW-SW-D4	UT	B05-02	26-Apr-03	NA		PASS	Exam Complete
II-FW-001FW-SW-F4	UT	B05-02	28-Apr-03	NA		PASS	Exam Complete
II-MS-001MS-FW-285	MT	89-02	01-May-03	Yes		PASS	64.50%
II-MS-001MS-FW-285	UT	89-02	01-May-03	Yes		PASS	92.30%
II-MS-001MS-FW-285	UT	B05-02	01-May-03	NA		PASS	92.30%
II-PZR-01I,PSC-21	MT	89-02	30-Apr-03	Yes		PASS	Exam Complete
II-PZR-01LSW-05	UT	89-02	30-Apr-03	Yes		PASS	Exam Complete
II-PZR-01MN(1-16)	VT-1	89-02	08-May-03	Yes		PASS	Exam Complete
II-PZR-01MS(1-16)	VT-1	89-02	08-May-03	Yes		PASS	Exam Complete
II-PZR-01SBW-A1A	MT	89-02	01-May-03	Yes		PASS	Exam Complete
II-PZR-01SBW-A1B	MT	89-02	01-May-03	Yes		PASS	Exam Complete
II-PZR-01STHW-01	UT	89-02	30-Apr-03	Yes		PASS	95%
II-RC-017RC-FW-335	PT	74S75/89-0	03-May-03	Yes		PASS	Exam Complete
II-RC-024RC-FW-318	UT	74S75/89-0	03-May-03	Yes		PASS	Exam Complete
II-RC-024RC-FW-318	PT	74S75/89-0	03-May-03	Yes		PASS	Exam Complete
II-RC-024RC-FW-319	PT	74S75/89-0	03-May-03	Yes		PASS	Exam Complete
II-RC-024RC-FW-319	UT	74S75/89-0	03-May-03	Yes		PASS	Exam Complete

# ISI Weld Examination Summary

## RF-11

Component ID	NDE Method	Requirement	Exam Date	Code	Credit	Pass/Fail	Exam Complete
II-RC-024RC-SW-A3	UT	74S75/89-0	03-May-03		Yes	PASS	Exam Complete
II-RC-024RC-SW-A3	PT	74S75/89-0	03-May-03		Yes	PASS	Exam Complete
II-RC-024RC-SW-A4	PT	74S75/89-0	03-May-03		Yes	PASS	Exam Complete
II-RC-024RC-SW-A4	UT	74S75/89-0	03-May-03		Yes	PASS	Exam Complete
II-RC-025RC-FW-331	PT	74S75/89-0	03-May-03		Yes	PASS	Exam Complete
II-RC-025RC-FW-331	UT	74S75/89-0	03-May-03		Yes	PASS	Exam Complete
II-RC-025RC-SW-A3	UT	74S75/89-0	03-May-03		Yes	PASS	Exam Complete
II-RC-025RC-SW-A3	PT	74S75/89-0	03-May-03		Yes	PASS	Exam Complete
II-RCP-02RCP-A-FLYWHEEL	UT	B02-02	01-May-03		NA	PASS	Exam Complete
II-RCP-02RCP-B-FLYWHEEL	UT	B02-02	01-May-03		NA	PASS	Exam Complete
II-RCP-02RCP-C-FLYWHEEL	UT	B02-02	01-May-03		NA	PASS	Exam Complete
II-RH-001RH-24-1-SW-1	PT	B03-02	01-Apr-03		NA	PASS	Exam Complete
II-RH-001RH-24-1-SW-1A	PT	B03-02	01-Apr-03		NA	PASS	Exam Complete
II-RH-001RH-24-1-SW-1B	PT	B03-02	01-Apr-03		NA	PASS	Exam Complete
II-RH-002RH-SW-E8	PT	B03-02	25-Mar-03		NA	PASS	Exam Complete
II-RH-002RH-SW-E8	UT	B03-02	25-Mar-03		NA	PASS	Exam Complete
II-RH-002RH-SW-E8A	PT	B03-02	25-Mar-03		NA	PASS	Exam Complete
II-RH-002RH-SW-E8A	UT	B03-02	25-Mar-03		NA	PASS	Exam Complete
II-RH-002RH-SW-L3	PT	B03-02	26-Mar-03		NA	PASS	Exam Complete
II-RH-002RH-SW-L3A	PT	B03-02	26-Mar-03		NA	PASS	Exam Complete
II-RH-004RH-12-2-SW-4	PT	B03-02	24-Mar-03		NA	PASS	Exam Complete
II-RH-004RH-FW-66	PT	B03-02	25-Mar-03		NA	PASS	Exam Complete
II-RH-004RH-FW-66A	PT	B03-02	25-Mar-03		NA	PASS	Exam Complete
II-RH-004RH-SW-A6	PT	B03-02	24-Mar-03		NA	PASS	Exam Complete
II-RH-004RH-SW-A6A	PT	B03-02	24-Mar-03		NA	PASS	Exam Complete
II-RH-004RH-SW-B3	PT	B03-02	24-Mar-03		NA	PASS	Exam Complete
II-RH-004RH-SW-B3A	PT	B03-02	24-Mar-03		NA	PASS	Exam Complete
II-RH-004RH-SW-D8	PT	B03-02	25-Mar-03		NA	PASS	Exam Complete
II-RH-004RH-SW-D8A	PT	B03-02	25-Mar-03		NA	PASS	Exam Complete
II-RH-009RC-FW-292	PT	74S75/89-0	29-Apr-03		Yes	PASS	Exam Complete
II-RH-009RC-FW-292	UT	74S75/89-0	29-Apr-03		Yes	PASS	Exam Complete
II-RH-009RC-SW-A3	PT	74S75/89-0	29-Apr-03		Yes	PASS	Exam Complete
II-RH-009RC-SW-A3	UT	74S75/89-0	29-Apr-03		Yes	PASS	Exam Complete
II-RH-009RC-SW-A4	UT	74S75/89-0	29-Apr-03		Yes	PASS	Exam Complete
II-RH-009RC-SW-A4	PT	74S75/89-0	29-Apr-03		Yes	PASS	Exam Complete
II-RH-009RC-SW-A5	UT	74S75/89-0	29-Apr-03		Yes	PASS	Exam Complete
II-RH-009RC-SW-A5	PT	74S75/89-0	29-Apr-03		Yes	PASS	Exam Complete
II-RH-009RC-SW-A6	PT	74S75/89-0	29-Apr-03		Yes	PASS	Exam Complete
II-RH-009RC-SW-A6	UT	74S75/89-0	29-Apr-03		Yes	PASS	Exam Complete
II-RH-010RC-FW-289	UT	74S75/89-0	29-Apr-03		Yes	PASS	Exam Complete
II-RH-010RC-FW-289	PT	74S75/89-0	29-Apr-03		Yes	PASS	Exam Complete
II-RH-010RC-SW-A3	UT	74S75/89-0	29-Apr-03		Yes	PASS	Exam Complete

# ISI Weld Examination Summary

## RF-11

Component ID	NDE Method	Requirements	Exam Date	Code	Credits	Pass/Fail	Exam Complete
II-RH-010RC-SW-A3	PT	74S75/89-0	29-Apr-03	Yes		PASS	Exam Complete
II-RH-010RC-SW-A4	UT	74S75/89-0	29-Apr-03	Yes		PASS	Exam Complete
II-RH-010RC-SW-A4	PT	74S75/89-0	29-Apr-03	Yes		PASS	Exam Complete
II-RH-010RC-SW-A5	UT	74S75/89-0	29-Apr-03	Yes		PASS	Exam Complete
II-RH-010RC-SW-A5	PT	74S75/89-0	29-Apr-03	Yes		PASS	Exam Complete
II-RH-010RC-SW-A6	UT	74S75/89-0	29-Apr-03	Yes		PASS	Exam Complete
II-RH-010RC-SW-A6	PT	74S75/89-0	29-Apr-03	Yes		PASS	Exam Complete
II-RV-001-INTERIOR	VT-3	89-02	06-May-03	Yes		PASS	Exam Complete
II-SG-001SGB-CLMN(1-16)	VT-1	89-02	05-May-03	Yes		PASS	Exam Complete
II-SG-001SGB-CLMS(1-16)	VT-1	89-02	05-May-03	Yes		PASS	Exam Complete
II-SG-001SGB-HLMN(1-16)	VT-1	89-02	05-May-03	Yes		PASS	Exam Complete
II-SG-001SGB-HLMS(1-16)	VT-1	89-02	05-May-03	Yes		PASS	Exam Complete
II-SI-008RH-SW-K4	PT	B03-02	01-Apr-03	NA		PASS	Exam Complete
II-SI-008RH-SW-K4A	PT	B03-02	01-Apr-03	NA		PASS	Exam Complete
II-SI-008RH-SW-M6	PT	B03-02	26-Mar-03	NA		PASS	Exam Complete
II-SI-008RH-SW-M6A	PT	B03-02	26-Mar-03	NA		PASS	Exam Complete
II-SI-008RH-SW-M6B	PT	B03-02	26-Mar-03	NA		PASS	Exam Complete
II-SI-008SI-FW-446	PT	B03-02	01-Apr-03	NA		PASS	Exam Complete
II-SI-008SI-FW-446A	PT	B03-02	01-Apr-03	NA		PASS	Exam Complete
II-SI-008SI-FW-451	PT	B03-02	25-Mar-03	NA		PASS	Exam Complete
II-SI-008SI-FW-459	PT	B03-02	01-Apr-03	NA		PASS	Exam Complete
II-SI-008SI-FW-459A	PT	B03-02	01-Apr-03	NA		PASS	Exam Complete
II-SI-008SI-FW-462	PT	B03-02	04-May-03	NA		PASS	Exam Complete
II-SI-008SI-FW-462A	PT	B03-02	04-May-03	NA		PASS	Exam Complete
II-SI-008SI-SW-C8	PT	B03-02	26-Mar-03	NA		PASS	Exam Complete
II-SI-008SI-SW-C8A	PT	B03-02	26-Mar-03	NA		PASS	Exam Complete
II-SI-008SI-SW-H3	PT	B03-02	01-Apr-03	NA		PASS	Exam Complete
II-SI-008SI-SW-H3A	PT	B03-02	01-Apr-03	NA		PASS	Exam Complete
II-SI-008SI-SW-H5	PT	B03-02	01-Apr-03	NA		PASS	Exam Complete
II-SI-008SI-SW-H5A	PT	B03-02	01-Apr-03	NA		PASS	Exam Complete
II-SI-008SI-SW-H6	PT	B03-02	01-Apr-03	NA		PASS	Exam Complete
II-SI-008SI-SW-H6A	PT	B03-02	01-Apr-03	NA		PASS	Exam Complete
II-SI-009CT-SW-H3	PT	B03-02	31-Mar-03	NA		PASS	Exam Complete
II-SI-009SI-FW-1	PT	B03-02	31-Mar-03	NA		PASS	Exam Complete
II-SI-009SI-FW-2	PT	B03-02	31-Mar-03	NA		PASS	Exam Complete
II-SI-009SI-FW-277	PT	B03-02	31-Mar-03	NA		PASS	Exam Complete
II-SI-009SI-FW-277A	PT	B03-02	31-Mar-03	NA		PASS	Exam Complete
II-SI-009SI-FW-277B	PT	B03-02	31-Mar-03	NA		PASS	Exam Complete
II-SI-009SI-FW-281	PT	B03-02	31-Mar-03	NA		PASS	Exam Complete
II-SI-009SI-FW-281A	PT	B03-02	31-Mar-03	NA		PASS	Exam Complete
II-SI-009SI-FW-284	PT	B03-02	31-Mar-03	NA		PASS	Exam Complete
II-SI-009SI-SW-B7	PT	B03-02	31-Mar-03	NA		PASS	Exam Complete

# ISI Weld Examination Summary

## RF-11

Component ID	NDE Method	Requirement	Exam Date	Code	Credit	Pass/Fail	Exam Complete
II-SI-009SI-SW-B7A	PT	B03-02	31-Mar-03	NA		PASS	Exam Complete
II-SI-009SI-SW-B7B	PT	B03-02	31-Mar-03	NA		PASS	Exam Complete
II-SI-009SI-SW-C9	PT	B03-02	31-Mar-03	NA		PASS	Exam Complete
II-SI-009SI-SW-C9A	PT	B03-02	31-Mar-03	NA		PASS	Exam Complete
II-SI-009SI-SW-E4	PT	B03-02	31-Mar-03	NA		PASS	Exam Complete
II-SI-009SI-SW-E4A	PT	B03-02	31-Mar-03	NA		PASS	Exam Complete
II-SI-009SI-SW-E5	PT	B03-02	31-Mar-03	NA		PASS	Exam Complete
II-SI-009SI-SW-E5A	PT	B03-02	31-Mar-03	NA		PASS	Exam Complete
II-SI-009SI-SW-E6	PT	B03-02	31-Mar-03	NA		PASS	Exam Complete
II-SI-009SI-SW-F3	PT	B03-02	31-Mar-03	NA		PASS	Exam Complete
II-SI-009SI-SW-F3A	PT	B03-02	31-Mar-03	NA		PASS	Exam Complete
II-SI-016SI-FW-723	PT	74S75/89-0	05-May-03	Yes		PASS	Exam Complete
II-SI-016SI-SW-A4	PT	74S75/89-0	05-May-03	Yes		PASS	Exam Complete
II-SI-019SI-FW-997	PT	74S75/89-0	02-May-03	Yes		PASS	Exam Complete
II-SI-019SI-SW-A6	PT	74S75/89-0	02-May-03	Yes		PASS	Exam Complete
II-SI-019SI-SW-A7	PT	74S75/89-0	02-May-03	Yes		PASS	Exam Complete
II-SI-019SI-SW-A8	PT	74S75/89-0	02-May-03	Yes		PASS	Exam Complete
II-SI-019SI-SW-A9	PT	74S75/89-0	02-May-03	Yes		PASS	Exam Complete
II-SI-022RC-FW-301	PT	74S75/89-0	02-May-03	Yes		PASS	Exam Complete
II-SI-022RC-FW-301	UT	74S75/89-0	02-May-03	Yes		PASS	Exam Complete
II-SI-022RC-SW-E3	PT	74S75/89-0	02-May-03	Yes		PASS	Exam Complete
II-SI-022RC-SW-E3	UT	74S75/89-0	02-May-03	Yes		PASS	Exam Complete
II-SI-022RC-SW-E4	UT	74S75/89-0	02-May-03	Yes		PASS	Exam Complete
II-SI-022RC-SW-E4	PT	74S75/89-0	02-May-03	Yes		PASS	Exam Complete
II-SI-022RC-SW-E5	UT	74S75/89-0	02-May-03	Yes		PASS	Exam Complete
II-SI-022RC-SW-E5	PT	74S75/89-0	02-May-03	Yes		PASS	Exam Complete
II-SI-026SI-H-0149I(8)	PT	89-02	03-May-03	Yes		PASS	Exam Complete

**SECTION 4**

**COMPONENT SUPPORTS**

**ASME Section XI Class 1 and 2 Component Support Examination Program****Harris Nuclear Plant Refueling Outage 11 (2-2-11)**

<b>Category F-A Item F1.10B</b>		<b>Class 1 Hanger - Box Type Support</b>			
<i>Support ID</i>	<i>Location</i>	<i>Exam Type</i>	<i>Exam Date</i>	<i>Exam Results</i>	<i>Examiner</i>
SI-H-0434	RCB 240' Az-7 R-41'	VT-3	4/29/2003	PASS	MDH
<b>Category F-A Item F1.10R</b>		<b>Class 1 Hanger - Rigid Strut Support</b>			
<i>Support ID</i>	<i>Location</i>	<i>Exam Type</i>	<i>Exam Date</i>	<i>Exam Results</i>	<i>Examiner</i>
RH-H-0124	RCB 230' Az-200 R-48'	VT-3	4/26/2003	PASS	DRI
SI-H-0147	RCB 253' Az-130 R-47'	VT-3	4/26/2003	PASS	DRI
SI-H-0426	RCB 258' Az-6 R-25'	VT-3	4/28/2003	PASS	MDH
<b>Category F-A Item F1.10V</b>		<b>Class 1 Hanger - Variable (Spring Can) Support</b>			
<i>Support ID</i>	<i>Location</i>	<i>Exam Type</i>	<i>Exam Date</i>	<i>Exam Results</i>	<i>Examiner</i>
RC-H-0272	RCB 240' Az-5 R-38'	VT-3	4/27/2003	PASS	MDH
RH-H-0112	RCB 251' Az-182 R-19'	VT-3	4/27/2003	PASS	MDH
<b>Category F-A Item F1.20A</b>		<b>Class 2 Hanger - Anchor</b>			
<i>Support ID</i>	<i>Location</i>	<i>Exam Type</i>	<i>Exam Date</i>	<i>Exam Results</i>	<i>Examiner</i>
CT-H-0242	RAB 236' 8'S/25 4'W/E	VT-3	3/10/2003	PASS	GDL
Comment: Observed 3 minor arc strikes - W/O 384514 for removal - no scope expansion required					

<b>Category F-A Item F1.20B</b>		<b>Class 2 Hanger - Box Type Support</b>			
<b>Support ID</b>	<b>Location</b>	<b>Exam Type</b>	<b>Exam Date</b>	<b>Exam Results</b>	<b>Examiner</b>
AF-H-0155	RAB 242' 2'N/28 13'W/B	VT-3	3/3/2003	PASS	GDL/MDH
<b>Category F-A Item F1.20R</b>		<b>Class 2 Hanger - Rigid Strut Support</b>			
<b>Support ID</b>	<b>Location</b>	<b>Exam Type</b>	<b>Exam Date</b>	<b>Exam Results</b>	<b>Examiner</b>
CS-H-4519	RCB 258' Az-315 R-54'	VT-3	4/26/2003	PASS	DRI
FW-H-0514	MST 271' 10'S/27 13'W/E	VT-3	4/25/2003	PASS	GDL/DRI
RH-H-0315	RAB 245' 6'N/38 8'E/Fz	VT-3	2/19/2003	PASS	MDH
SI-H-0008	RAB 245' 7'S/38 7'W/Fz	VT-3	3/26/2003	PASS	GDL
SI-H-0128	RCB 249' Az-250 R-50'	VT-3	4/27/2003	PASS	DRI
SI-H-1285	RAB 193' 6'S/34 Column Fz	VT-3	3/25/2003	PASS	GDL
<b>Category F-A Item F1.20V</b>		<b>Class 2 Hanger - Variable (Spring Can) Support</b>			
<b>Support ID</b>	<b>Location</b>	<b>Exam Type</b>	<b>Exam Date</b>	<b>Exam Results</b>	<b>Examiner</b>
None Scheduled		n/a	n/a	n/a	n/a
<b>Category F-A Item F1.40</b>		<b>Class 1 and 2 Equipment Supports</b>			
<b>Support ID</b>	<b>Location</b>	<b>Exam Type</b>	<b>Exam Date</b>	<b>Exam Results</b>	<b>Examiner</b>
<b>Charging / Safety Injection Pump 1B-SB (5 examination points)</b>					
II-CSIP-1CSIPB-H-001-005	RAB 236' 3'S/31 10'E/E	VT-3	3/20/2003	PASS	GDL
<b>Reactor Coolant Drain Tank Heat Exchanger 1X-SN (2 examination points)</b>					
II-RCDX-1H-001-002	RCB 221' Az-270 R-60'	VT-3	4/26/2003	PASS	MDH

<b>Category F-A Item F1.40</b>		<b>Class 1 and 2 Equipment Supports - continued</b>			
<b>Support ID</b>	<b>Location</b>	<b>Exam Type</b>	<b>Exam Date</b>	<b>Exam Results</b>	<b>Examiner</b>
<b>Reactor Coolant Filter 1X-SN (3 examination points)</b>					
II-RCF-01H-001-003	RAB 270' 3'N/41 3'W/F	VT-3	5/7/2003	PASS	RWN
<b>Seal Water Return Filter 1X-SN (3 examination points)</b>					
II-SERF-1H-001-003	RAB 270' 12'N/41 1'W/F	VT-3	4/27/2003	PASS	KLH
<b>Steam Generator 1B-SN (4 examination points on vertical support columns)</b>					
II-SG-001SGB-H-001-004	RCB 255' Az-265 R-32'	VT-3	5/10/2003	FAIL	DRI
Comment: Expanded scope to include S/Gs A and C - AR 93097					
<b>Steam Generator 1B-SN (4 examination points on vertical support columns) Re-examination</b>					
II-SG-001SGB-H-001-004	RCB 255' Az-265 R-32'	VT-3	5/12/2003	PASS	RWN
<b>Steam Generator 1B-SN Upper Lateral Support (4 examination points including hydraulic snubbers)</b>					
II-SG-001SGB-H-005A-006B	RCB 302' Az-265 R-32'	VT-3	5/6/2003	PASS	SAB
Comment: Observed S/G hydraulic snubber s/n 305 with low fluid level - W/O 403370 to repair					
<b>Steam Generator 1B-SN Upper Lateral Support (2 examination points including ULS bolting)</b>					
II-SG-001SGB-H-007-008	RCB 302' Az-265 R-32'	VT-3	5/6/2003	FAIL	SAB
Comment: Expanded scope to include S/Gs A and C - AR 93097					
<b>Steam Generator 1B-SN Upper Lateral Support (2 examination points including ULS bolting) Re-examination</b>					
II-SG-001SGB-H-007-008	RCB 302' Az-265 R-32'	VT-3	5/7/2003	PASS	DRI

Category F-A Item F1.40		Class 1 and 2 Equipment Supports - continued			
Support ID	Location	Exam Type	Exam Date	Exam Results	Examiner
<b>Steam Generator 1A-SN (4 examination points on vertical support columns) Scope Expansion</b>					
II-SG-001SGA-H-001-004		VT-3	5/12/2003	PASS	VDW
<b>Steam Generator 1C-SN (4 examination points on vertical support columns) Scope Expansion</b>					
II-SG-001SGC-H-001-004		VT-3	5/12/2003	PASS	VDW
<b>Steam Generator 1A-SN (2 examination points including ULS bolting) Scope Expansion</b>					
II-SG-001SGA-H-007-008		VT-3	5/7/2003	PASS	DRI
<b>Steam Generator 1C-SN (2 examination points including ULS bolting) Scope Expansion</b>					
II-SG-001SGC-H-007-008		VT-3	5/7/2003	FAIL	DRI
Comment: Observed 1 loose shim retaining bolt (non-structural)					
<b>Steam Generator 1C-SN (2 examination points including ULS bolting) Re-examination</b>					
II-SG-001SGC-H-007-008		VT-3	5/12/2003	PASS	VDW
Prepared by: Roger M. Winton			Date: 3/19/02		
Completion Review: Roger M. Winton			Date: 5/20/03		
AR11 Review: <i>Sally R. Jones</i>			7/17/03		

**SECTION 5**

**NIS-2 FORMS, REPORT OF REPAIRS AND REPLACEMENT**

Class 1

WR/JO NUMBER	TAG	ESR NUMBER	ASME CODE CLASS	REPAIR OR REPLACEMENT
232649	SI-H-148	NA	1	REPLACEMENT
232650	SI-H-149	NA	1	REPLACEMENT
239141	SI-H-149A	NA	1	REPLACEMENT
239142	SI-H-148	NA	1	REPLACEMENT
239147	RH-H-113A	NA	1	REPLACEMENT
239150	RC-H-89	NA	1	REPLACEMENT
239151	RC-H-54	NA	1	REPLACEMENT
239392	1RC-123	NA	1	REPLACEMENT

REPAIR/REPLACEMENT SYNOPSIS

DATE 06/18/03, REV. 0

Repair  Replacement

R/R No. 03-01-004

Suitability Evaluation Required  Yes  No  
(including failed items)

EC No. N/A

W/O No. 232649

1. SYSTEM NAME SI - Safety Injection NB No. 46

CONSTRUCTION CODE ASME Section III Edition 1974 Addenda W76 Code Class 1

CODE CASE See N-5 Data Report

2. COMPONENT NAME Hanger/Snubber Tag No. SI-H-148

OLD COMPONENT

NEW COMPONENT

P.O. No./Catalog ID. 73286296 P.O. No./Catalog ID. 73286296

Year Built Unknown Code Stamp No Year Built Unknown Code Stamp No

Const. Code ASME III Edition 1974 Addenda W76 Const. Code ASME III Edition 1974 Addenda W76

Code Class 1 Code Cases NA Code Class 1 Code Cases NA

NB No. NA NB No. NA

Manufacture Name Coloc Industries Manufacture Name Coloc Industries

Manufacture Serial No. NA Manufacture Serial No. NA

3. DESCRIPTION OF WORK Replaced coloc nut on hanger SI-H-148. Nut is ASTM A194 Gr. 2H. PO# 9D3016. The replacement part meets or exceeds the original code and design spec requirements. Therefore, suitable for replacement.

4. PRESERVICE INSPECTION REQUIREMENT

MT - Mag. Part. Complete   
 PT - Penetrant Complete   
 RT - Radiography Complete   
 UT - Ultrasonics Complete   
 VT-3 Visual Complete

5. PROGRAM UPDATES REQUIRED

ISI  Supports   
 IST  ILRT/LLRT   
 FAC  Other \_\_\_\_\_  
 Check Valve

6. SYSTEM PRESSURE TEST REQUIREMENT

Leakage Nominal Operating Pressure  Yes  No  
 Functional Elevated Pressure N/A psi  
 Inservice Test Temperature N/A °F  
 Hydrostatic  
 Pneumatic Applic. Code Ref. (or Code Case) N/A

7. ANI/ANII Review 05/03/03 Pre Work Start 05/03/03 Work Complete 05/12/03

8. NIS-2 Prepared 06/19/03 ANI/ANII 06/24/03 In Package 07/03/03

Note: Upon completion of the document, it is a completed QA record and is to be transmitted in accordance with RDC-NGGC-0001.

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 06/19/03  
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 WO# 232649  
Address Repair Organization P.O. No., Job No., etc.
3. Work Performed By Progress Energy 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 SI - Safety Injection
- 5 (a) Applicable Construction Code ASME Section III 1974 Edition, Winter '76 Addenda, See N1 Code Case  
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1989, Addenda N/A
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)
Nut	Coloc Industries	NA	NA	PN 73286296 PO# 9D3016 A194 Gr. 2H	Unknown	Replaced	No
Nut	Coloc Industries	NA	NA	PN 73286296 PO# 9D3016 A194 Gr. 2H	Unknown	Replacement	No

7. Description of Work: Replaced coloc nut on hanger SI-H-148.
8. Tests Conducted: Hydrostatic  Pneumatic  Nominal Operation 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 in numbered and the number of sheet is recorded at the top of this form.

FORM NIS-2 (Back)

9. Remarks Performed preservice VT-3 on hanger after coloco nut replacement.

Applicable Manufacturer's Data Reports to be attached.

N1 - See N-5 Data Report for Code Cases

CERTIFICATION 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 Borg*  
Owner or Owner's Designee, Title

Equipment Performance Supervisor

Date 6/19/03

CERTIFICATE OF INSERVICE INSPECTION

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 Connecticut of Hartford, Connecticut have inspected the components described in this Owner's Report during the period of 12/15/01 to 05/18/03, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this 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.

*Sally E. Jones*  
Inspector's Signature

Commissions

NB 9931, NC 1507, ABIN NS

National Board, State, Province, and Endorsements

Date 6/24/03

REPAIR/REPLACEMENT SYNOPSIS

DATE 06/19/03, REV. 0

Repair  Replacement

R/R No. 03-01-005

Suitability Evaluation Required  Yes  No  
(including failed items)

EC No. N/A

W/O No. 232650

1. SYSTEM NAME SI - Safety Injection NB No. 46

CONSTRUCTION CODE ASME Section III Edition 1974 Addenda W76 Code Class 1

CODE CASE See N-5 Data Report

2. COMPONENT NAME Hanger/Snubber Tag No. SI-H-149

OLD COMPONENT

NEW COMPONENT

P.O. No./Catalog ID. 73286288 P.O. No./Catalog ID. 73286288

Year Built Unknown Code Stamp No Year Built Unknown Code Stamp No

Const. Code ASME III Edition 1974 Addenda W76 Const. Code ASME III Edition 1974 Addenda W76

Code Class 1 Code Cases NA Code Class 1 Code Cases NA

NB No. NA NB No. NA

Manufacture Name Coloc Industries Manufacture Name Coloc Industries

Manufacture Serial No. NA Manufacture Serial No. NA

3. DESCRIPTION OF WORK Replaced coloc nut on hanger SI-H-149. Nut is ASTM A194 Gr. 2H. PO# 1027796. The replacement part meets or exceeds the original code and design spec requirements. Therefore, suitable for replacement.

4. PRESERVICE INSPECTION REQUIREMENT

- MT - Mag. Part. Complete
- PT - Penetrant Complete
- RT - Radiography Complete
- UT - Ultrasonics Complete
- VT-3 Visual Complete

5. PROGRAM UPDATES REQUIRED

- ISI  Supports
- IST  ILRT/LLRT
- FAC  Other \_\_\_\_\_
- Check Valve

6. SYSTEM PRESSURE TEST REQUIREMENT

- Leakage
- Functional
- Inservice
- Hydrostatic
- Pneumatic

Nominal Operating Pressure  Yes  No

Elevated Pressure N/A psi

Test Temperature N/A °F

Applic. Code Ref. (or Code Case) N/A

7. ANI/ANII Review 05/03/03 Pre Work Start 05/03/03 Work Complete 05/12/03

8. NIS-2 Prepared 06/19/03 ANI/ANII 06/24/03 In Package 07/03/03

Note: Upon completion of the document, it is a completed QA record and is to be transmitted in accordance with RDC-NGGC-0001.



FORM NIS-2 (Back)

9. Remarks Performed preservice VT-3 on hanger after coloc nut replacement.

Applicable Manufacturer's Data Reports to be attached.

N1 - See N-5 Data Report for Code Cases

CERTIFICATION OF COMPLIANCE

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

Type Code Symbol Stamp N/A

Certificate of Authorization No. N/A

Expiration Date N/A

Signed

Dustin Hong  
Owner or Owner's Designee, Title

Equipment Performance Supervisor

Date

6/19/03

CERTIFICATE OF INSERVICE INSPECTION

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 Connecticut of Hartford, Connecticut have inspected the components described in this Owner's Report during the period of 12/15/01 to 05/18/03, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this 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.

Sammy D. Jones  
Inspector's Signature

Commissions

NB 9931, NC 1507, ABIN NS

National Board, State, Province, and Endorsements

Date

6/24/03

REPAIR/REPLACEMENT SYNOPSIS

DATE 06/11/03, REV. 0

Repair  Replacement

R/R No. 03-01-006

Suitability Evaluation Required  Yes  No  
(including failed items)

EC No. N/A

W/O No. 239141

1. SYSTEM NAME SI - Safety Injection NB No. 46

CONSTRUCTION CODE ASME Section III Edition 1974 Addenda W76 Code Class 1

CODE CASE See N-5 Data Report

2. COMPONENT NAME Hanger/Snubber Tag No. SI-H-149A

OLD COMPONENT

NEW COMPONENT

P.O. No./Catalog ID. 0076097344 P.O. No./Catalog ID. 0076097344

Year Built Unknown Code Stamp No Year Built Unknown Code Stamp No

Const. Code ASME III Edition 1972 Addenda S73 Const. Code ASME III Edition 1974 Addenda W76

Code Class 1 Code Cases NA Code Class 1 Code Cases 1644-5, 1686

NB No. NA NB No. NA

Manufacture Name PSA Manufacture Name PSA

Manufacture Serial No. 6423 Manufacture Serial No. 4954

3. DESCRIPTION OF WORK Replaced snubber on hanger SI-H-149A. The replacement snubber meets or exceeds the original code and design spec requirements. Therefore, suitable for replacement.

4. PRESERVICE INSPECTION REQUIREMENT

- MT - Mag. Part. Complete
- PT - Penetrant Complete
- RT - Radiography Complete
- UT - Ultrasonics Complete
- VT-3 Visual Complete

5. PROGRAM UPDATES REQUIRED

- ISI  Supports
- IST  ILRT/LLRT
- FAC  Other \_\_\_\_\_
- Check Valve

6. SYSTEM PRESSURE TEST REQUIREMENT

- Leakage
- Functional
- Inservice
- Hydrostatic
- Pneumatic

Nominal Operating Pressure  Yes  No

Elevated Pressure N/A psi

Test Temperature N/A °F

Applic. Code Ref. (or Code Case) N/A

7. ANI/ANII Review 05/03/03 Pre Work Start 05/03/03 Work Complete 05/08/03

8. NIS-2 Prepared 06/17/03 ANI/ANII 06/24/03 In Package 07/03/03

Note: Upon completion of the document, it is a completed QA record and is to be transmitted in accordance with RDC-NGGC-0001.

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 06/17/03  
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 WO# 239141  
Address Repair Organization P.O. No., Job No., etc.
3. Work Performed By Progress Energy 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 SI - Safety Injection
- 5 (a) Applicable Construction Code ASME Section III 1974 Edition, Winter '76 Addenda, See N1 Code Case  
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1989, Addenda N/A
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	PSA	6423	NA	SI-H-149A PN# 76097344	Unknown	Replaced	No
Snubber	PSA	4954	NA	SI-H-149A PN# 76097344	Unknown	Replacement	No

7. Description of Work: Replaced snubber on hanger SI-H-149A.
8. Tests Conducted: Hydrostatic  Pneumatic  Nominal Operation 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 in numbered and the number of sheet is recorded at the top of this form.

FORM NIS-2 (Back)

9. Remarks Performed preservice VT-3 on hanger after snubber replacement.

*Applicable Manufacturer's Data Reports to be attached.*

N1 - See N-5 Data Report for Code Cases

CERTIFICATION OF COMPLIANCE

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

Type Code Symbol Stamp N/A

Certificate of Authorization No. N/A

Expiration Date N/A

Signed *Daguer Henry*  
Owner or Owner's Designee, Title

Equipment Performance Supervisor

Date 6/17/03

CERTIFICATE OF INSERVICE INSPECTION

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 Connecticut of Hartford, Connecticut have inspected the components described in this Owner's Report during the period of 12/15/01 to 05/18/03, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this 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.

*Samy D. Jones*  
Inspector's Signature

Commissions

NB 9931, NC 1507, ABIN NS

National Board, State, Province, and Endorsements

Date 6/24/03

REPAIR/REPLACEMENT SYNOPSIS

DATE 06/18/03, REV. 0

Repair  Replacement

R/R No. 03-01-003

Suitability Evaluation Required  Yes  No  
(including failed items)

EC No. N/A

W/O No. 239142

1. SYSTEM NAME SI - Safety Injection NB No. 46

CONSTRUCTION CODE ASME Section III Edition 1974 Addenda W76 Code Class 1

CODE CASE See N-5 Data Report

2. COMPONENT NAME Hanger/Snubber Tag No. SI-H-148

OLD COMPONENT

NEW COMPONENT

P.O. No./Catalog ID. 76100700 P.O. No./Catalog ID. 76100700

Year Built 1981 Code Stamp No Year Built 1981 Code Stamp No

Const. Code ASME III Edition 1977 Addenda S78 Const. Code ASME III Edition 1977 Addenda S78

Code Class 1 Code Cases 1644-6 Code Class 1 Code Cases 1644-6

NB No. NA NB No. NA

Manufacture Name PSA Manufacture Name PSA

Manufacture Serial No. 16444 Manufacture Serial No. 12543

3. DESCRIPTION OF WORK Replaced snubber on hanger SI-H-148. The replacement snubber meets or exceeds the original code and design spec requirements. Therefore, suitable for replacement.

4. PRESERVICE INSPECTION REQUIREMENT

- MT - Mag. Part. Complete
- PT - Penetrant Complete
- RT - Radiography Complete
- UT - Ultrasonics Complete
- VT-3 Visual Complete

5. PROGRAM UPDATES REQUIRED

- ISI  Supports
- IST  ILRT/LLRT
- FAC  Other \_\_\_\_\_
- Check Valve

6. SYSTEM PRESSURE TEST REQUIREMENT

- Leakage
- Functional
- Inservice
- Hydrostatic
- Pneumatic

Nominal Operating Pressure  Yes  No

Elevated Pressure N/A psi

Test Temperature N/A °F

Applic. Code Ref. (or Code Case) N/A

7. ANI/ANII Review 05/03/03 Pre Work Start 05/03/03 Work Complete 05/12/03

8. NIS-2 Prepared 06/18/03 ANI/ANII 06/24/03 In Package 07/03/03

Note: Upon completion of the document, it is a completed QA record and is to be transmitted in accordance with RDC-NGGC-0001.

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 06/18/03  
Name  
P.O. Box 1551, Raleigh, N.C. 27602-1551 Sheet 1 of 4  
Address
2. Plant Shearon Harris Nuclear Power Plant Unit 1  
Name  
P.O. Box 165, New Hill, N.C. 27562-0165 WO# 239142  
Address Repair Organization P.O. No., Job No., etc.
3. Work Performed By Progress Energy 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 SI - Safety Injection
- 5 (a) Applicable Construction Code ASME Section III 1974 Edition, Winter '76 Addenda, See N1 Code Case  
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1989, Addenda N/A
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	PSA	16444	NA	SI-H-148 PN# 76100700	1981	Replaced	No
Snubber	PSA	12543	NA	SI-H-148 PN# 76100700	1980	Replacement	No

7. Description of Work: Replaced snubber on hanger SI-H-148.
8. Tests Conducted: Hydrostatic  Pneumatic  Nominal Operation 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 in numbered and the number of sheet is recorded at the top of this form.

FORM NIS-2 (Back)

9. Remarks Performed preservice VT-3 on hanger after snubber replacement.

Applicable Manufacturer's Data Reports to be attached.

N1 - See N-5 Data Report for Code Cases

CERTIFICATION OF COMPLIANCE

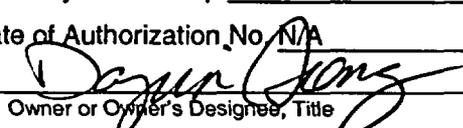
We certify that the statements made in the report are correct and this replacement conforms to the rules of the repair or replacement

ASME Code, Section XI.

Type Code Symbol Stamp N/A

Certificate of Authorization No. N/A

Expiration Date N/A

Signed   
Owner or Owner's Designee, Title

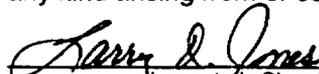
Equipment Performance Supervisor

Date 6/18/03

CERTIFICATE OF INSERVICE INSPECTION

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 Connecticut of Hartford, Connecticut have inspected the components described in this Owner's Report during the period of 12/15/01 to 05/18/03, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

  
Inspector's Signature

Commissions

NB 9931, NC 1507, ABIN NS

National Board, State, Province, and Endorsements

Date 6/24/03

**FORM NPT-1 NPT CERTIFICATE HOLDERS' DATA REPORT FOR COMPONENT SUPPORTS** D.D. 6/13/03  
 As Required by the Provisions of the ASME Code Rules, Section III, Division 1 ~~12510~~

1. Manufactured by Pacific Scientific 1346 S. State College Blvd. Anaheim, Ca. 92803 WD# 239142  
sheet 3 of 4  
(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 Shyamon 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) <u>12473-12614</u>	<u>None</u>	<u>1801106-C5-H</u>	<u>DR-1350-Rev. B</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 '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 17A 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 & 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 5 8

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&T Co. of Hartford, CT have inspected the component supports described in this Data Report on 5/9 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 5/9/80

Signed William Meyer

Commissions Ca # 1494

(Natl Bd., State, Prov., and No.)

6  
4  
5  
9

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 \_\_\_\_\_

(Natl Bd., State, Prov., and No.)

*WJ, ANH*  
*6/24/83*

REPAIR/REPLACEMENT SYNOPSIS

DATE 06/18/03, REV. 0

Repair  Replacement

R/R No. 03-01-007

Suitability Evaluation Required  Yes  No  
(including failed items)

EC No. N/A

W/O No. 239147

1. SYSTEM NAME RH - Residual Heat Removal NB No. 38

CONSTRUCTION CODE ASME Section III Edition 1974 Addenda W76 Code Class 1

CODE CASE See N-5 Data Report

2. COMPONENT NAME Hanger/Snubber Tag No. RH-H-113A

OLD COMPONENT

NEW COMPONENT

P.O. No./Catalog ID. 00006378 P.O. No./Catalog ID. 00006378

Year Built 1980 Code Stamp No Year Built Unknown Code Stamp No

Const. Code ASME III Edition 1977 Addenda S78 Const. Code ASME III Edition 1977 Addenda S78

Code Class 1 Code Cases 1644-6 Code Class 1 Code Cases Unknown

NB No. NA NB No. NA

Manufacture Name PSA Manufacture Name PSA

Manufacture Serial No. 12583 Manufacture Serial No. 4182

3. DESCRIPTION OF WORK Replaced snubber on hanger RH-H-113A. The replacement snubber meets or exceeds the original code and design spec requirements. Therefore, suitable for replacement. Snubber SN 4182 was originally installed under hanger FW-H-110.

4. PRESERVICE INSPECTION REQUIREMENT

MT - Mag. Part. Complete   
 PT - Penetrant Complete   
 RT - Radiography Complete   
 UT - Ultrasonics Complete   
 VT-3 Visual Complete

5. PROGRAM UPDATES REQUIRED

ISI  Supports   
 IST  ILRT/LLRT   
 FAC  Other \_\_\_\_\_  
 Check Valve

6. SYSTEM PRESSURE TEST REQUIREMENT

Leakage  
 Functional  
 Inservice  
 Hydrostatic  
 Pneumatic

Nominal Operating Pressure  Yes  No  
 Elevated Pressure N/A psi  
 Test Temperature N/A °F

Applic. Code Ref. (or Code Case) N/A

7. ANI/ANII Review 04/30/03 Pre Work Start 04/30/03 Work Complete 05/08/03

8. NIS-2 Prepared 06/18/03 ANI/ANII 06/24/03 In Package 07/03/03

Note: Upon completion of the document, it is a completed QA record and is to be transmitted in accordance with RDC-NGGC-0001.



FORM NIS-2 (Back)

9. Remarks Performed preservice VT-3 on hanger after snubber replacement.

Applicable Manufacturer's Data Reports to be attached.

N1 - See N-5 Data Report for Code Cases

CERTIFICATION OF COMPLIANCE

We certify that the statements made in the report are correct and this replacement conforms to the rules of the repair or replacement

ASME Code, Section XI.

Type Code Symbol Stamp N/A

Certificate of Authorization No. N/A

Expiration Date N/A

Signed *Dejun Song*  
Owner or Owner's Designee, Title

Equipment Performance Supervisor

Date 6/18/03

CERTIFICATE OF INSERVICE INSPECTION

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 Connecticut of Hartford, Connecticut have inspected the components described in this Owner's Report during the period of 12/15/01 to 05/18/03, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this 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.

*Sam J. Jones*  
Inspector's Signature

Commissions

NB 9931, NC 1507, ABIN NS  
National Board, State, Province, and Endorsements

Date 6/24/03

REPAIR/REPLACEMENT SYNOPSIS

DATE 06/18/03, REV. 0

Repair  Replacement

R/R No. 03-01-001

Suitability Evaluation Required  Yes  No  
(including failed items)

EC No. N/A

W/O No. 239150

1. SYSTEM NAME RC - Reactor Coolant NB No. 55

CONSTRUCTION CODE ASME Section III Edition 1974 Addenda W76 Code Class 1

CODE CASE See N-5 Data Report

2. COMPONENT NAME Hanger/Snubber Tag No. RC-H-89

OLD COMPONENT

NEW COMPONENT

P.O. No./Catalog ID. 76100700 P.O. No./Catalog ID. 76100700

Year Built 1980 Code Stamp No Year Built 1980 Code Stamp No

Const. Code ASME III Edition 1977 Addenda S78 Const. Code ASME III Edition 1977 Addenda S78

Code Class 1 Code Cases 1644-6 Code Class 1 Code Cases 1644-6

NB No. NA NB No. NA

Manufacture Name PSA Manufacture Name PSA

Manufacture Serial No. 12587 Manufacture Serial No. 12514

3. DESCRIPTION OF WORK Replaced snubber on hanger RC-H-89. The replacement snubber meets or exceeds the original code and design spec requirements. Therefore, suitable for replacement.

4. PRESERVICE INSPECTION REQUIREMENT

- MT - Mag. Part. Complete
- PT - Penetrant Complete
- RT - Radiography Complete
- UT - Ultrasonics Complete
- VT-3 Visual Complete

5. PROGRAM UPDATES REQUIRED

- ISI  Supports
- IST  ILRT/LLRT
- FAC  Other \_\_\_\_\_
- Check Valve

6. SYSTEM PRESSURE TEST REQUIREMENT

- Leakage
- Functional
- Inservice
- Hydrostatic
- Pneumatic

Nominal Operating Pressure  Yes  No

Elevated Pressure N/A psi

Test Temperature N/A °F

Applic. Code Ref. (or Code Case) N/A

7. ANI/ANII Review 04/30/03 Pre Work Start 04/30/03 Work Complete 05/08/03

8. NIS-2 Prepared 06/18/03 ANI/ANII 06/24/03 In Package 07/03/03

Note: Upon completion of the document, it is a completed QA record and is to be transmitted in accordance with RDC-NGGC-0001.

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 06/18/03  
Name  
P.O. Box 1551, Raleigh, N.C. 27602-1551 Sheet 1 of 4  
Address
2. Plant Shearon Harris Nuclear Power Plant Unit 1  
Name  
P.O. Box 165, New Hill, N.C. 27562-0165 WO# 239150  
Address Repair Organization P.O. No., Job No., etc.
3. Work Performed By Progress Energy 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 RC - Reactor Coolant
- 5 (a) Applicable Construction Code ASME Section III 1974 Edition, Winter '76 Addenda, See N1 Code Case  
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1989, Addenda N/A
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	PSA	12587	NA	RC-H-89 PN# 76100700	1980	Replaced	No
Snubber	PSA	12514	NA	RC-H-89 PN# 76100700	1980	Replacement	No

7. Description of Work: Replaced snubber on hanger RC-H-89.
8. Tests Conducted: Hydrostatic  Pneumatic  Nominal Operation 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 in numbered and the number of sheet is recorded at the top of this form.

FORM NIS-2 (Back)

9. Remarks Performed preservice VT-3 on hanger after snubber replacement.

Applicable Manufacturer's Data Reports to be attached.

N1 - See N-5 Data Report for Code Cases

CERTIFICATION OF COMPLIANCE

We certify that the statements made in the report are correct and this replacement conforms to the rules of the  
repair or replacement

ASME Code, Section XI.

Type Code Symbol Stamp N/A

Certificate of Authorization No. N/A

Expiration Date N/A

Signed Darin Long  
Owner or Owner's Designee, Title

Equipment Performance Supervisor

Date 6/18/03

CERTIFICATE OF INSERVICE INSPECTION

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 Connecticut of Hartford, Connecticut have inspected the components described in this Owner's Report during the period of 12/15/01 to 05/18/03, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this 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.

Sally D. Jones  
Inspector's Signature

Commissions

NB 9931, NC 1507, ABIN NS

National Board, State, Province, and Endorsements

Date 6/18/03

FORM NPT-NPT CERTIFICATE HOLDERS DATA REPORT FOR COMPONENT SUPPORTS • D.D. 6/13/03  
 As Required by the Provisions of the ASME Code Rules, Section III, Division 1 ~~12510~~ 239150

1. Manufactured by Pacific Scientific 1346 S. State College Blvd. Anaheim, Ca. 92803 <sup>NO # 239150</sup>  
(Name and address of NPT Certificate holder) Sheet 3 of 4

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.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) 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 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

4 5 8

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 1-7 & 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&T Co. of Hartford, CT

have inspected the component supports described in this Data Report on 5/9 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 5/9/80

Signed William Meyer Commissions Ca # 1494  
Natl Bd. State, Prov., and No 1

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 \_\_\_\_\_  
Natl Bd. State, Prov., and No 1

*Handwritten:* J.A. April 6/24/03

REPAIR/REPLACEMENT SYNOPSIS

DATE 06/18/03, REV. 0

Repair  Replacement

R/R No. 03-01-020

Suitability Evaluation Required  Yes  No  
(including failed items)

EC No. N/A

W/O No. 239151

1. SYSTEM NAME RC - Reactor Coolant NB No. 55

CONSTRUCTION CODE ASME Section III Edition 1974 Addenda W76 Code Class 1

CODE CASE See N-5 Data Report

2. COMPONENT NAME Hanger/Snubber Tag No. RC-H-54

OLD COMPONENT

NEW COMPONENT

P.O. No./Catalog ID. 76100742 P.O. No./Catalog ID. 76100742

Year Built 1980 Code Stamp No Year Built 1981 Code Stamp No

Const. Code ASME III Edition 1978 Addenda S78 Const. Code ASME III Edition 1978 Addenda S78

Code Class 1 Code Cases 1644-6 Code Class 1 Code Cases 1644-6

NB No. NA NB No. NA

Manufacture Name PSA Manufacture Name PSA

Manufacture Serial No. 11052 Manufacture Serial No. 15626

3. DESCRIPTION OF WORK Replaced snubber on hanger RC-H-54. The replacement snubber meets or exceeds the original code and design spec requirements. Therefore, suitable for replacement.

4. PRESERVICE INSPECTION REQUIREMENT

- MT - Mag. Part. Complete
- PT - Penetrant Complete
- RT - Radiography Complete
- UT - Ultrasonics Complete
- VT-3 Visual Complete

5. PROGRAM UPDATES REQUIRED

- ISI  Supports
- IST  ILRT/LLRT
- FAC  Other \_\_\_\_\_
- Check Valve

6. SYSTEM PRESSURE TEST REQUIREMENT

- Leakage
- Functional
- Inservice
- Hydrostatic
- Pneumatic

Nominal Operating Pressure  Yes  No

Elevated Pressure N/A psi

Test Temperature N/A °F

Applic. Code Ref. (or Code Case) N/A

7. ANI/ANII Review 08/13/02 Pre Work Start 05/01/03 Work Complete 05/08/03

8. NIS-2 Prepared 06/18/03 ANI/ANII 06/24/03 In Package 07/03/03

Note: Upon completion of the document, it is a completed QA record and is to be transmitted in accordance with RDC-NGGC-0001.



FORM NIS-2 (Back)

9. Remarks Performed preservice VT-3 on hanger after snubber replacement.

Applicable Manufacturer's Data Reports to be attached.

N1 - See N-5 Data Report for Code Cases

CERTIFICATION OF COMPLIANCE

We certify that the statements made in the report are correct and this replacement conforms to the rules of the repair or replacement

ASME Code, Section XI.

Type Code Symbol Stamp N/A

Certificate of Authorization No. N/A

Expiration Date N/A

Signed Doyun Jeong  
Owner or Owner's Designee, Title

Equipment Performance Supervisor

Date 6/18/03

CERTIFICATE OF INSERVICE INSPECTION

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 Connecticut of Hartford, Connecticut have inspected the components described in this Owner's Report during the period of 12/15/01 to 05/18/03, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this 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.

Sung J. Jones  
Inspector's Signature

Commissions

NB 9931, NC 1507, ABIN NS

National Board, State, Province, and Endorsements

Date 6/24/03

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

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

DA 6/18/63  
15659  
with 23951  
Sheet 3 of 4

1 Manufactured by Pacific Scientific 1346 S. State College Blvd, Anaheim, Ca. 92803  
Southwest Fabricating & Welding Co., Inc. P.O. Box 9449 Houston, Texas

(Name and address of NPT Certificate Holder)

2 Manufacturer for Welding Co., Inc. P.O. Box 9449 Houston, Texas

(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 Capa- city Data Sheet	(e) Type of Component Support	(f) Class	(g) Nat'l Board No.	(h) Year Built
(1) 15583-15592, None		1901102-05-K	DR-1351-Rev. A	Linear	1	None	1981
(2) 15594, 15596-	"	"	"	"	"	"	"
(3) 15597, 15599-15604,	"	"	"	"	"	"	"
(4) 15605-15610, 15612-	"	"	"	"	"	"	"
(5) 15635, 15637-15652,	"	"	"	"	"	"	"
(6) 15654-15671	"	"	"	"	"	"	"
(7)							
(8)							
(9)							

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)

Witnessed by Pacific Scientific by Frank A. Natta  
(NPT Certificate Holder)

The ASME Certificate of Authorization No. N-1198 to use the Component Supports (NPT)

Expiry date Aug. 4, 1981 (Date)

CERTIFICATION OF DESIGN

Name of Design Organization Pacific Scientific

Stress Report or Load Capacity Data Sheet on File at

ASME

Filed for No. 3256

Design Organization Certified by Leo E. Ay PE State California

Design Organization or Load Capacity Data Sheet Certified by Leo E. Ay

ASME Certificate No. N-1198

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



REPAIR/REPLACEMENT SYNOPSIS

DATE 06/19/03, REV. 0

Repair  Replacement

R/R No. 03-01-019

Suitability Evaluation Required  Yes  No  
(including failed items)

EC No. N/A

W/O No. 239392

1. SYSTEM NAME RC - Reactor Coolant NB No. 55

CONSTRUCTION CODE ASME Section III Edition 1974 Addenda W76 Code Class 1

CODE CASE See N-5 Data Report

2. COMPONENT NAME Valve Tag No. 1RC-123

OLD COMPONENT

NEW COMPONENT

P.O. No./Catalog ID. 72852767 P.O. No./Catalog ID. 72852767

Year Built Unknown Code Stamp Yes Year Built Unknown Code Stamp Yes

Const. Code ASME III Edition 1971 Addenda W72 Const. Code ASME III Edition 1971 Addenda W72

Code Class 1 Code Cases NA Code Class 1 Code Cases NA

NB No. 224 NB No. 222

Manufacture Name Crosby Valve & Gage Manufacture Name Corsby Valve & Gage

Manufacture Serial No. N56964-00-0052 Manufacture Serial No. N56964-00-0050

3. DESCRIPTION OF WORK Replaced Pressurizer Safety valve 1RC-123. Like for like replacement. Therefore suitable for replacement.

4. PRESERVICE INSPECTION REQUIREMENT

- MT - Mag. Part. Complete
- PT - Penetrant Complete
- RT - Radiography Complete
- UT - Ultrasonics Complete
- VT-2 Visual Complete

5. PROGRAM UPDATES REQUIRED

- ISI  Supports
- IST  ILRT/LLRT
- FAC  Other \_\_\_\_\_
- Check Valve

6. SYSTEM PRESSURE TEST REQUIREMENT

- Leakage
- Functional
- Inservice
- Hydrostatic
- Pneumatic

Nominal Operating Pressure  Yes  No  
 Elevated Pressure N/A psi  
 Test Temperature Nominal °F  
 Applic. Code Ref. (or Code Case) N/A

7. ANI/ANII Review 04/28/03 Pre Work Start 04/28/03 Work Complete 05/13/03

8. NIS-2 Prepared 06/19/03 ANI/ANII 06/24/03 In Package 07/03/03

Note: Upon completion of the document, it is a completed QA record and is to be transmitted in accordance with RDC-NGGC-0001.

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 06/19/03  
Name  
P.O. Box 1551, Raleigh, N.C. 27602-1551 Sheet 1 of 4  
Address
2. Plant Shearon Harris Nuclear Power Plant Unit 1  
Name  
P.O. Box 165, New Hill, N.C. 27562-0165 WO# 239392  
Address Repair Organization P.O. No., Job No., etc.
3. Work Performed By Progress Energy 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 RC - Reactor Coolant
- 5 (a) Applicable Construction Code ASME Section III 1974 Edition, Winter '76 Addenda, See N1 Code Case  
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1989, Addenda N/A
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)
Safety Valve	Crosby Valve & Gage	N56964-00-0052	224	72852767 1RC-123	Unknown	Replaced	Yes
Safety Valve	Crosby Valve & Gage	N56964-00-0050	222	72852767 1RC-123	Unknown	Replacement	Yes

7. Description of Work: Replaced Pressurizer Safety Valve 1RC-123.
8. Tests Conducted: Hydrostatic  Pneumatic  Nominal Operation Pressure   
Other  Pressure \_\_\_\_\_psi Test Temp. Nominal°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 in numbered and the number of sheet is recorded at the top of this form.

FORM NIS-2 (Back)

9. Remarks Performed preservice VT-2 on 1RC-123 after replacement. VT-2 performed under EST-227.

Applicable Manufacturer's Data Reports to be attached.

N1 - See N-5 Data Report for Code Cases

CERTIFICATION OF COMPLIANCE

We certify that the statements made in the report are correct and this replacement conforms to the rules of the  
repair or replacement

ASME Code, Section XI.

Type Code Symbol Stamp N/A

Certificate of Authorization No. N/A

Expiration Date N/A

Signed Dawn Borg  
Owner or Owner's Designee, Title

Equipment Performance Supervisor

Date 6/19/03

CERTIFICATE OF INSERVICE INSPECTION

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 Connecticut of Hartford, Connecticut have inspected the components described in this Owner's Report during the period of 12/15/01 to 05/18/03, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this 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.

Larry E. Jones  
Inspector's Signature

Commissions

NB 9931, NC 1507, ABIN NS

National Board, State, Province, and Endorsements

Date 6/24/03

W# 239392  
Sheet 3 of 4



**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  
G.C.-440

**DATA REPORT**  
Safety and Safety Relief Valves

1. Manufactured By Crosby Valve & Gage Company, 41 Kendrick St., Wrentham, Mass. 02093  
Name and Address

Model No. HR-36-85 Order No. N303158 Contract Date 4/4/73 National Board No. 222  
Westinghouse Electric Corp., Nuclear

2. Manufactured For Energy Systems, Pittsburgh, Pa. 15230 Order No. 046-CCK-178-358-5N  
Name and Address

3. Owner Carolina Power & Light Co., Shearon Harris Nuclear Power Plant #2  
Name and Address

4. Location of Plant Bonsal, North Carolina

5. Valve Identification 6SV88MSB Serial No. N56964-00-0050 Drawing No. DS-C-56964 Rev. C  
M  
Type Safety Orifice Size 2.154 Pipe Size - Inlet 6 Outlet 6  
Safety Safety Relief Pilot Power Actuated Inch Inch Inch Inch

6. Set Pressure (PSIG) 2485 Rated Temperature 650<sup>0</sup>  
Inlet Capacity 420006 lbs/hr % Overpressure 0 Blowdown (PSIG) 125  
Hydrostatic Test (PSIG) Inlet 4575 Complete Valve 770 PSIG

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

Pressure Containing or Pressure Retaining Components

	Serial No Identification	Material Specification Including Type or Grade
a. Bar Stock & Forgings		
Body	<u>N90490-35-0005</u>	<u>ASTM-A182-71 Type F-304</u> <u>ASME-SA182 Type F-304</u>
Bonnet	<u>N90353-38-0040</u>	<u>ASTM-A105-71 Gr. 1</u> <u>ASME-SA105 Gr. 1</u>
b.		
Support Rods		
Nozzle	<u>N90555-24-0045</u>	<u>ASTM-A182-71 Type F-304</u> <u>ASME-SA182 Type F-304</u>
Disc Holder	<u>N57220-32-0053</u> <u>N90311-35-0040</u>	<u>ASTM-A307-70 Gr. 105</u> <u>ASME-SA307 Gr. 105</u>
Spring Washers	<u>N50081-42-0071</u> <u>N90330-38-0040</u>	<u>ASTM-A105-71 Gr. 1</u> <u>ASME-SA105 Gr. 1</u>
Adjusting Bolt	<u>N90351-41-0100</u>	<u>ASTM-A197-71 Gr. 30</u> <u>ASME-SA197 Gr. 30</u>
Spindle	<u>N56381-40-0100</u> <u>N90351-41-0085</u>	<u>ASTM-A197-71 Gr. 30</u> <u>ASME-SA197 Gr. 30</u>
Disc Insert	<u>N90349-35-0024</u>	<u>Haynes Stellite No. 65</u>
Spindle Bolt	<u>N90351-41-0100</u>	<u>ASTM-A276-73 Type 316-0</u> <u>ASME-SA276 Type 316-0</u>

	Serial No. or Identification	Material Specification including Type or Grade
e. Spring	<u>NX-2761-0092</u>	<u>ASTM-A304 Gr. 5160H</u>
f. Bolting		
g. Other Parts Such as Pilot Components		
Bonnet Stud	<u>100987</u>	<u>ASTM-A453-70 Gr. 660 ASME-SA453 Gr. 660</u>
Bonnet Stud Nut	<u>4490-</u>	<u>ASTM-A193-71 Gr. B6 ASME-SA193 Gr. B6</u>
Inlet Stud	<u>N90488-0693 thru 0704</u>	<u>ASTM-A453-70 Gr. 660 ASME-SA453 Gr. 660</u>
Inlet Stud Nut	<u>N90489-0693 thru 0704</u>	<u>ASTM-A193-71 Gr. B6 ASME-SA193 Gr. B6</u>

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

Date 5/18/77 signed Crosby Valve Name of Inspector [Signature]  
Manufacturer

Certificate of Authorization No. 926 expires October 29, 1977

**CERTIFICATE OF STATE INSPECTION**

I, the undersigned, a duly qualified engineer, licensed by the National Board of Boiler and Pressure Vessel Inspectors, and the undersigned, a member of the MASS. and employed by Factory Mutual Insurance Co. have inspected the equipment described in this certificate and state that to the best of our knowledge and belief the Manufacturer has constructed this equipment in accordance with the applicable Sections of ASME Section VIII.

By signing this certificate, neither the Inspector nor his employer makes any warranty, expressed or implied, regarding the equipment described in this Certificate. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or loss of life or limb arising therefrom connected with this inspection.

Date 5/18/77  
Inspector [Signature] License No. 037305

\*Arkwright-Boiler Manufacturers Mutual Insurance Company - Mutual Boiler & Machinery Division

33

*[Handwritten notes]*  
5/18/77  
6/1/77

Class 2

WR/JO NUMBER	TAG	ESR NUMBER	ASME CODE CLASS	REPAIR OR REPLACEMENT
89103	1CS-250	NA	2	REPLACEMENT
168396	1SW-240	NA	2	REPLACEMENT
210105	1MS-53	98-00085	2	REPLACEMENT
210110	1MS-43	98-00085	2	REPLACEMENT
226580	1SG-E003	NA	2	REPLACEMENT
232643	MS-H-24	NA	2	REPLACEMENT
232644	MS-H-23	NA	2	REPLACEMENT
232647	BD-H-368	NA	2	REPLACEMENT
232786	SI-H-25	NA	2	REPLACEMENT
232791	RH-H-267	NA	2	REPLACEMENT
236721	FW-H-520	NA	2	REPLACEMENT
236837	AF-H-393	NA	2	REPLACEMENT
239140	SI-H-591	NA	2	REPLACEMENT
239144	SI-H-23	NA	2	REPLACEMENT
239146	RH-H-316B	NA	2	REPLACEMENT
239152	MS-H-92A	NA	2	REPLACEMENT
239153	MS-H-7B	NA	2	REPLACEMENT
239157	AF-H-670	NA	2	REPLACEMENT
239168	CT-H-290D	NA	2	REPLACEMENT
239170	CT-H-290C	NA	2	REPLACEMENT
239173	CS-H-402	NA	2	REPLACEMENT
239174	CS-H-432	NA	2	REPLACEMENT
239464	SI-H-237	NA	2	REPLACEMENT
363823	1MS-49	NA	2	REPLACEMENT
404791	SI SUPPORT	NA	2	REPLACEMENT
405058	SI-H-1160A/B	52483	2	REPLACEMENT
405062	SI-H-1161A/B	NA	2	REPLACEMENT
406255	SI-H-273A	NA	2	REPLACEMENT
212192-03	1MS-84:002	NA	2	REPLACEMENT
226579-04	1SG-E002	NA	2	REPLACEMENT
239737-21	VENT LINE MOD	48993	2	REPLACEMENT
239967-07	WG-H-1947	NA	2	REPLACEMENT
329006-02	1CS-CSIPB	NA	2	REPLACEMENT

REPAIR/REPLACEMENT SYNOPSIS

DATE 07/07/03, REV. 0

Repair  Replacement

R/R No. 03-02-080

Suitability Evaluation Required  Yes  No  
(including failed items)

EC No. N/A

W/O No. 89103

1. SYSTEM NAME CS - Chemical Volume Control NB No. 48  
CONSTRUCTION CODE ASME Section III Edition 1974 Addenda W76 Code Class 2  
CODE CASE See N-5 Data Report

2. COMPONENT NAME Valve Tag No. 1CS-250

OLD COMPONENT

NEW COMPONENT

P.O. No./Catalog ID. <u>72413560</u>	P.O. No./Catalog ID. <u>72413560</u>
Year Built <u>1981</u> Code Stamp <u>Yes</u>	Year Built <u>Unknown</u> Code Stamp <u>No</u>
Const. Code <u>ASME III</u> Edition <u>1974</u> Addenda <u>W76</u>	Const. Code <u>ASME III</u> Edition <u>1974</u> Addenda <u>W76</u>
Code Class <u>2</u> Code Cases <u>None</u>	Code Class <u>1</u> Code Cases <u>None</u>
NB No. <u>31820</u>	NB No. <u>NA</u>
Manufacture Name <u>KMC</u>	Manufacture Name <u>Flowserve</u>
Manufacture Serial No. <u>DAP6-8</u>	Manufacture Serial No. <u>13</u>

3. DESCRIPTION OF WORK Replaced valve disc assembly on 1CS-250. Like for like replacement. Therefore, suitable for replacement. Heat Number VSS. UTC 771328.

4. PRESERVICE INSPECTION REQUIREMENT

MT - Mag. Part. Complete

PT - Penetrant Complete

RT - Radiography Complete

UT - Ultrasonics Complete

VT- Visual Complete

5. PROGRAM UPDATES REQUIRED

ISI  Supports

IST  ILRT/LLRT

FAC  Other \_\_\_\_\_

Check Valve

6. SYSTEM PRESSURE TEST REQUIREMENT

Leakage

Functional

Inservice

Hydrostatic

Pneumatic

Nominal Operating Pressure  Yes  No

Elevated Pressure N/A psi

Test Temperature N/A °F

Applic. Code Ref. (or Code Case) N/A

7. ANI/ANII Review 01/13/03 Pre Work Start 01/13/03 Work Complete 01/13/03

8. NIS-2 Prepared 07/07/03 ANI/ANII 07/07/03 In Package 07/08/03

Note: Upon completion of the document, it is a completed QA record and is to be transmitted in accordance with RDC-NGGC-0001.

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 07/07/03  
Name  
P.O. Box 1551, Raleigh, N.C. 27602-1551 Sheet 1 of 3  
Address
2. Plant Shearon Harris Nuclear Power Plant Unit 1  
Name  
P.O. Box 165, New Hill, N.C. 27562-0165 WO# 89103  
Address Repair Organization P.O. No., Job No., etc.
3. Work Performed By Progress Energy 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 CS - Chemical Volume Control
- 5 (a) Applicable Construction Code ASME Section III 1974 Edition, Winter '76 Addenda, See N1 Code Case  
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1989, Addenda N/A
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 Assembly	KMC	DAP-6-8	NA	PN 72413560	1981	Replaced	No
Disc Assembly	Flowsolve	13	NA	PN 72413560 PO# 29114 UTC 771328	Unknown	Replacement	No

7. Description of Work: Replaced valve disc assembly on 1CS-250
8. Tests Conducted: Hydrostatic  Pneumatic  Nominal Operation 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 in numbered and the number of sheet is recorded at the top of this form.

FORM NIS-2 (Back)

9. Remarks

Applicable Manufacturer's Data Reports to be attached.

N1 - See N-5 Data Report for Code Cases

CERTIFICATION OF COMPLIANCE

We certify that the statements made in the report are correct and this replacement conforms to the rules of the  
repair or replacement

ASME Code, Section XI.

Type Code Symbol Stamp N/A

Certificate of Authorization No. N/A

Expiration Date N/A

Signed *Dayan*  
Owner or Owner's Designee, Title

*for* Equipment Performance Supervisor

Date 7/7/03

CERTIFICATE OF INSERVICE INSPECTION

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 Connecticut of Hartford, Connecticut have inspected the components described in this Owner's Report during the period of 12/15/01 to 05/18/03, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

*Randy D. Jones*  
Inspector's Signature

Commissions NB 9931, NC 1507, ABIN NS

National Board, State, Province, and Endorsements

Date 7/7/03

Sheet 3 of 3

**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 Corporation, 701 First Street, Williamsport, PA 17701  
(Name and address of NPT Certificate Holder)

(b) Manufactured for Carolina Power & Light, P.O. Box 870 Raleigh, NC. 27602.  
(Name and address of N Certificate Holder for constructed nuclear component)

2. Identification-Certificate Holder's Serial No. of Part SN: 13 & SN: 14 Nat'l Bd. No. N/A

(a) Constructed According to Drawing No. 7572529639 R/- Drawing Prepared by Flowserve Corp.

(b) Description of Part Inspected (2)-Two each, Disc Assembly

(c) Applicable ASME Code: Section III, Edition 1974, Addenda date (S) 1976, Case No. N/A Class 1

3. Remarks: Replacement Disc Assembly for use in 1-1/2" & 2"-1500# Y-Globe Valves.  
(Brief description of service for which component was designed)

Materials: Discs: SA479-316; ID. Code: VSS Job# E574R-1

No hydro-test performed.

(Disc Assembly shipped un-pinned as requested)

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 9-14-01 Signed Flowserve Corporation By PR Decker  
(NPT Certificate Holder)

Certificate of Authorization Expires 4/15/04 Certificate of Authorization No. N1713

**CERTIFICATION OF DESIGN FOR APPURTENANCE (when applicable)**

Design information on file or N/A

Stress analysis report on file or 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 or ~~Commonwealth~~ 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 9-14-01 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 9-14-01

W.C. Wilke Commissions Pennsylvania 1722  
Inspector's Signature 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 1-3 on this form is repeated on each sheet, and (3) each sheet is numbered and contains the number of sheets or reference to item 3, "Remarks".

*PR Decker*  
7/1/03

REPAIR/REPLACEMENT SYNOPSIS

DATE 07/07/03, REV. 0

Repair  Replacement

F/R No. 03-02-060

Suitability Evaluation Required  Yes  No  
(including failed items)

EC No. N/A

W/O No. 168396

1. SYSTEM NAME SW - Service Water NB No. 64

CONSTRUCTION CODE ASME Section III Edition 1974 Addenda W76 Code Class 2

CODE CASE See N-5 Data Report

2. COMPONENT NAME Valve Tag No. 1SW-240

OLD COMPONENT

NEW COMPONENT

P.O. No./Catalog ID. 51410975/72741994 P.O. No./Catalog ID. 51410975/72741994

Year Built Unknown Code Stamp No Year Built Unknown Code Stamp No

Const. Code ASME III Edition 1974 Addenda W76 Const. Code ASME III Edition \* Addenda \*

Code Class 2 Code Cases NA Code Class Code Cases NA

NB No. NA NB No. NA

Manufacture Name HDD Manufacture Name Nova and Mackson

Manufacture Serial No. NA Manufacture Serial No. NA

3. DESCRIPTION OF WORK Replaced stud and nut valve 1SW-240. \*Nut is ASME SA194 Gr. 2H (PO# 27226, HT# QJS, and ASME III 1986 Ed. W/no addenda Class 1). \*Stud is SA193 Gr. B7 (PO# 671304 and ASME III 1974 Ed. WW76 addenda Class 2). The replacement parts meet or exceed the original code and design spec requirements. Therefore, suitable for replacement.

4. PRESERVICE INSPECTION REQUIREMENT

- MT - Mag. Part. Complete
- PT - Penetrant Complete
- RT - Radiography Complete
- UT - Ultrasonics Complete
- VT- Visual Complete

5. PROGRAM UPDATES REQUIRED

- ISI  Supports
- IST  ILRT/LLRT
- FAC  Other \_\_\_\_\_
- Check Valve

6. SYSTEM PRESSURE TEST REQUIREMENT

- Leakage
- Functional
- Inservice
- Hydrostatic
- Pneumatic

Nominal Operating Pressure  Yes  No  
 Elevated Pressure N/A psi  
 Test Temperature N/A °F  
 Applic. Code Ref. (or Code Case) N/A

7. ANI/ANII Review 05/19/03 Pre Work Start 05/06/03 Work Complete 06/02/03

8. NIS-2 Prepared 07/07/03 ANI/ANII 07/07/03 In Package 07/08/03

Note: Upon completion of the document, it is a completed QA record and is to be transmitted in accordance with RDC-NGGC-0001.

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 07/07/03  
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 WO# 168396  
Address Repair Organization P.O. No., Job No., etc.
3. Work Performed By Progress Energy 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 SW - Service Water

- 5 (a) Applicable Construction Code ASME Section III 1974 Edition, Winter '76 Addenda, See N1 Code Case  
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1989, Addenda N/A

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)
Nut	HDD	NA	NA	PN 51410975 SA194, Gr. 2H	Unknown	Replaced	No
Nut	Nova Mach Prod Corp	NA	NA	PN 51410975 PO# 27226 SA194 Gr. 2H	Unknown	Replacement	No
Stud	HDD	NA	NA	PN 72741994 SA193 Gr. B7	Unknown	Replaced	No
Stud	Mackson	NA	NA	PN 72741994 PO# 671304 SA193 Gr. B7	Unknown	Replacement	No

7. Description of Work: Replaced stud and nut on valve 1SW-240.
8. Tests Conducted: Hydrostatic  Pneumatic  Nominal Operation 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 in numbered and the number of sheet is recorded at the top of this form.

FORM NIS-2 (Back)

9. Remarks

Applicable Manufacturer's Data Reports to be attached.

N1 - See N-5 Data Report for Code Cases

CERTIFICATION OF COMPLIANCE

We certify that the statements made in the report are correct and this replacement conforms to the rules of the repair or replacement

ASME Code, Section XI.

Type Code Symbol Stamp N/A

Certificate of Authorization No. N/A

Expiration Date N/A

Signed Dawn Delf  
Owner or Owner's Designee, Title

to Equipment Performance Supervisor

Date 7/7/03

CERTIFICATE OF INSERVICE INSPECTION

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 Connecticut of Hartford, Connecticut have inspected the components described in this Owner's Report during the period of 12/15/01 to 05/18/03, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this 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.

Larry E. Jones  
Inspector's Signature

Commissions NB 9931, NC 1507, ABIN NS

National Board, State, Province, and Endorsements

Date 7/6/03

REPAIR/REPLACEMENT SYNOPSIS

DATE 07/23/03, REV. 0

Repair  Replacement

R/R No. 03-02-007

Suitability Evaluation Required  Yes  No  
(including failed items)

EC No. 98-00085

W/O No. 210105

1. SYSTEM NAME MS - Main Steam NB No. 59

CONSTRUCTION CODE ASME Section III Edition 1974 Addenda W76 Code Class 2

CODE CASE See N-5 Data Report

2. COMPONENT NAME Valve Tag No. 1MS-53

OLD COMPONENT

NEW COMPONENT

P.O. No./Catalog ID. 9220092242 P.O. No./Catalog ID. 9220092242

Year Built Unknown Code Stamp Yes Year Built Unknown Code Stamp Yes

Const. Code ASME III Edition 1971 Addenda W72 Const. Code ASME III Edition 1971 Addenda W72

Code Class 2 Code Cases NA Code Class 2 Code Cases NA

NB No. 848 NB No. 847

Manufacture Name Crosby Manufacture Name Crosby

Manufacture Serial No. N57374-00-0013 Manufacture Serial No. N57374-00-0012

3. DESCRIPTION OF WORK Replaced safety relief valve 1MS-53. The replacement is a like-for-like replacement. Therefore, suitable for replacement.

4. PRESERVICE INSPECTION REQUIREMENT

- MT - Mag. Part. Complete
- PT - Penetrant Complete
- RT - Radiography Complete
- UT - Ultrasonics Complete
- VT-2 Visual Complete

5. PROGRAM UPDATES REQUIRED

- ISI  Supports
- IST  ILRT/LLRT
- FAC  Other \_\_\_\_\_
- Check Valve

6. SYSTEM PRESSURE TEST REQUIREMENT

- Leakage
- Functional
- Inservice
- Hydrostatic
- Pneumatic

Nominal Operating Pressure  Yes  No

Elevated Pressure N/A psi

Test Temperature 551.7 °F

Applic. Code Ref. (or Code Case) N/A

7. ANI/ANII Review 04/27/03 Pre Work Start 04/27/03 Work Complete 07/21/03

8. NIS-2 Prepared 07/23/03 ANI/ANII 07/25/03 In Package 07/28/03

Note: Upon completion of the document, it is a completed QA record and is to be transmitted in accordance with RDC-NGGC-0001.

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 07/23/03  
 Name  
P.O. Box 1551, Raleigh, N.C. 27602-1551 Sheet 1 of 4  
 Address
2. Plant Shearon Harris Nuclear Power Plant Unit 1  
 Name  
P.O. Box 165, New Hill, N.C. 27562-0165 WO# 210105  
 Address Repair Organization P.O. No., Job No., etc.
3. Work Performed By Progress Energy 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 MS - Main Steam
- 5 (a) Applicable Construction Code ASME Section III 1974 Edition, Winter '76 Addenda, See N1 Code Case  
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1989, Addenda N/A
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	Crosby	N57374-00-0013	848	1MS-53 PN 9220092242	Unknown	Replaced	Yes
Valve	Crosby	N57374-00-0012	847	1MS-53 PN 9220092242	Unknown	Replacement	Yes

7. Description of Work: Replaced safety relief valve 1MS-53.
8. Tests Conducted: Hydrostatic  Pneumatic  Nominal Operation Pressure   
 Other  Pressure \_\_\_\_\_psi Test Temp. 551.7°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 in numbered and the number of sheet is recorded at the top of this form.

FORM NIS-2 (Back)

9. Remarks Performed VT-2 on valve flange connection after valve replacement.

Applicable Manufacturer's Data Reports to be attached.

N1 - See N-5 Data Report for Code Cases

CERTIFICATION OF COMPLIANCE

We certify that the statements made in the report are correct and this replacement conforms to the rules of the repair or replacement

ASME Code, Section XI.

Type Code Symbol Stamp N/A

Certificate of Authorization No. N/A

Expiration Date N/A

Signed *Daryn Boy*  
Owner or Owner's Designee, Title

for Equipment Performance Supervisor

Date 7/23/03

CERTIFICATE OF INSERVICE INSPECTION

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 Connecticut of Hartford, Connecticut have inspected the components described in this Owner's Report during the period of 12/15/01 to 05/18/03, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this 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.

*Sam J. Jones*  
Inspector's Signature

Commissions

NB 9931, NC 1507, ABIN NS

National Board, State, Province, and Endorsements

Date 7/25/03



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  
Name and Address

Model HA-75-FN Order No. N40643 Contract Date 11/28/73 National Board No. 847  
Ebasco Services, Inc. - 2 Rector Street - Room 840

2 Manufactured For New York New York 10006 Order No. NY-435038  
Name and Address

Client Carolina Power & Light Co. - Shearon Harris Nuclear Power Station  
Name and Address

3 Location of Plant New Hill, Wake County, North Carolina

4 Valve Identification 2MS-R10SA-1 Serial No. N57374-00-0012 Drawing No. DS-C-57374 Rev. D

Type Safety Orifice Size R Pipe Size -- Inlet 6 Outlet 10  
Safety, Safety Relief, Pilot, Power Actuated Inch Inch Inch Inch

5 Set Pressure (PSIG) 1215 630 F  
Rated Temperature

6 Stamped Capacity 915,502 lbs/hr. sat @ 3 % Overpressure -- Blowdown XXXX 5% of S.P.

7 Hydrostatic Test (PSIG) Inlet 1850 Complete Valve N/A

8 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

Component	Serial No. Identification	Material Specification Including Type or Grade
<del>Body</del> Forgings		
Body	<u>N90909-32-0005</u>	<u>ASME-SA105</u>
Bracket	<u>N90917-33-0016</u>	<u>ASME-SA105</u>
Part Stock and Forgings		
Support Rods		
Nozzle	<u>N90911-32-0012</u>	<u>ASME-SA182 Gr. F316</u>
Insert	<u>N91167-35-0077</u>	<u>ASME-SA182 Gr. F316</u>
Washers	<u>N90919-32-0014</u> <u>K57295-33-0012</u> <u>N90920-32-0014</u>	<u>ASME-SA105</u>
Welding Bolt	<u>N93335-36-0130</u>	<u>ASME-SA193 Gr. B6</u>
Gland	<u>K57208-35-0097</u> <u>N88895-43-0104</u>	<u>ASTM-A193-73 Gr. B6</u> <u>ASME-SA193 Gr. B6</u>

W04 210105  
Sheet 4 of 4

	Serial No. or Identification	Material Specification Including Type or Grade
c. Spring K57295-33-0012	<u>NY2780-0093</u>	<u>ASTM-A689-71</u>
d. <del>XXXXXX</del> Bearing Adapter	<u>N90087-48-0299</u>	<u>ASME-SA193 Gr. E6</u>
e. Other parts such as Pilot Components	_____	_____

<u>Bonnet Stud</u>	<u>N90913</u>	<u>ASME-SA193 Gr. E7</u>
<u>Bonnet Nut</u>	<u>N90914</u>	<u>ASME-SA194 Gr. 2H</u>
<u>Inlet Stud</u>	<u>N90915</u>	<u>ASME-SA193 Gr. E7</u>

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

Date 6/26/1980 Signed Crosby Valve & Gage Co. By [Signature]  
Manufacturer

Certificate of Authorization No. 1878 expires September 30, 1980

**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 7/16 19 80 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 7/16 19 80  
[Signature] (Inspector) Commission NB-7793  
National Board, State, Province and No.

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

[Signature]  
7/25/80

REPAIR/REPLACEMENT SYNOPSIS

DATE 07/23/03, REV. 0

Repair  Replacement

R/R No. 03-02-004

Suitability Evaluation Required  Yes  No  
(including failed items)

EC No. 98-00085

W/O No. 210110

1. SYSTEM NAME MS - Main Steam NB No. 59  
CONSTRUCTION CODE ASME Section III Edition 1974 Addenda W76 Code Class 2  
CODE CASE See N-5 Data Report

2. COMPONENT NAME Valve Tag No. 1MS-43

OLD COMPONENT		NEW COMPONENT	
P.O. No./Catalog ID. <u>9220092242</u>		P.O. No./Catalog ID. <u>9220092242</u>	
Year Built <u>Unknown</u> Code Stamp <u>Yes</u>		Year Built <u>Unknown</u> Code Stamp <u>Yes</u>	
Const. Code <u>ASME III</u> Edition <u>1971</u> Addenda <u>W72</u>		Const. Code <u>ASME III</u> Edition <u>1971</u> Addenda <u>W72</u>	
Code Class <u>2</u> Code Cases <u>NA</u>		Code Class <u>2</u> Code Cases <u>NA</u>	
NB No. <u>838</u>		NB No. <u>834</u>	
Manufacture Name <u>Crosby</u>		Manufacture Name <u>Crosby</u>	
Manufacture Serial No. <u>N57374-00-0010</u>		Manufacture Serial No. <u>N57374-00-0006</u>	

3. DESCRIPTION OF WORK Replaced safety relief valve 1MS-43. The replacement is a like-for-like replacement. Therefore, suitable for replacement.

4. PRESERVICE INSPECTION REQUIREMENT

MT - Mag. Part. Complete

PT - Penetrant Complete

RT - Radiography Complete

UT - Ultrasonics Complete

VT-2 Visual Complete

5. PROGRAM UPDATES REQUIRED

ISI  Supports

IST  ILRT/LLRT

FAC  Other \_\_\_\_\_

Check Valve

6. SYSTEM PRESSURE TEST REQUIREMENT

Leakage

Functional

Inservice

Hydrostatic

Pneumatic

Nominal Operating Pressure  Yes  No

Elevated Pressure N/A psi

Test Temperature 551.7 °F

Applic. Code Ref. (or Code Case) N/A

7. ANI/ANII Review 04/27/03 Pre Work Start 04/27/03 Work Complete 07/21/03

8. NIS-2 Prepared 07/23/03 ANI/ANII 07/25/03 In Package 07/28/03

Note: Upon completion of the document, it is a completed QA record and is to be transmitted in accordance with RDC-NGGC-0001.

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 07/23/03  
Name  
P.O. Box 1551, Raleigh, N.C. 27602-1551 Sheet 1 of 4  
Address
2. Plant Shearon Harris Nuclear Power Plant Unit 1  
Name  
P.O. Box 165, New Hill, N.C. 27562-0165 WO# 210110  
Address Repair Organization P.O. No., Job No., etc.
3. Work Performed By Progress Energy 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 MS - Main Steam
- 5 (a) Applicable Construction Code ASME Section III 1974 Edition, Winter '76 Addenda, See N1 Code Case  
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1989, Addenda N/A
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	Crosby	N57374-00-0010	838	1MS-43 PN 9220092242	Unknown	Replaced	Yes
Valve	Crosby	N57374-00-0006	834	1MS-43 PN 9220092242	Unknown	Replacement	Yes

7. Description of Work: Replaced safety relief valve 1MS-43.
8. Tests Conducted: Hydrostatic  Pneumatic  Nominal Operation Pressure   
Other  Pressure \_\_\_\_\_ psi Test Temp. 551.7°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 in numbered and the number of sheet is recorded at the top of this form.

FORM NIS-2 (Back)

9. Remarks Performed VT-2 on valve flange connection after valve replacement.

Applicable Manufacturer's Data Reports to be attached.

N1 - See N-5 Data Report for Code Cases

CERTIFICATION OF COMPLIANCE

We certify that the statements made in the report are correct and this replacement conforms to the rules of the  
repair or replacement

ASME Code, Section XI.

Type Code Symbol Stamp N/A

Certificate of Authorization No. N/A

Expiration Date N/A

Signed Dagun Jony for Equipment Performance Supervisor

Date 7/23/03

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 Connecticut of Hartford, Connecticut have inspected the components described in this Owner's Report during the period of 12/15/01 to 05/18/03, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this 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.

Sam J. Jones  
Inspector's Signature

Commissions NB 9931, NC 1507, ABIN NS  
National Board, State, Province, and Endorsements

Date 7/25/03



**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.-41C

**DATA REPORT**  
Safety and Safety Relief Valves

1. Manufactured By Crosby Valve & Gage Co., 43 Kendrick St., Wrentham, MA 02093  
Name and Address

Model No. HA-75-FX Order No. N40643 Contract Date 11/28/71 National Board No. 834  
Ebasco Services Inc., 2 Rector St.,  
Room 840, New York, New York Order No. NY-435078

2. Manufactured For Carolina Power & Light - Shearon Harris Nuclear Power Plant  
Name and Address

3. Location of Plant New Hill, Wake County N. Carolina

4. Valve Identification 2MS-R6SA-1 Serial No. N57374-00-0006 Drawing No. DS-C-57374 Rev. 0

5. Type Relief Orifice Size R Pipe Size --- inch 6 outlet 10 inch  
Safety Safety Relief Pilot Lower Actuated

6. Set Pressure (P<sub>10</sub>) 1185 Rated Temperature 630

7. Capacity 893160 lbs/hr sat % Overpressure 3 Blowdown ~~40%~~ 5% of S.P.

8. Design Pressure 1850 Complete Valve N/A

9. The actual design, construction and workmanship comply with ASME Code, Section III  
Edition 2 Edition 1971 Addenda Date Winter 1972

10. List of Pressure Retaining Components

Component	Serial No. Identification	Material Specification
<del>XXXXXX</del> Forgings	N90909-32-0001	ASME SA105
	N90917-33-0001	ASME SA105
<del>XXXXXX</del> Forgings	N90087-52-0152	ASME SA193 Gr. B6
Bearing Adapter	N90911-32-0009	ASME SA193 Gr. B6
	N91167-31-0014	ASME SA182 Type 316
	N90919-32-0013	ASME SA105
	N90920-33-0013	ASME SA105
	N93335-34-0032	ASME SA193 Gr. B6
	N93895-60-0156	ASME SA193 Gr. B6

WO# 210110  
Sheet 4 of 4

	Serial No. or Identification	Material Specification Including Type or Grade
c. Spring	K57295-32-0006	NX2780-0088
d. Bolting		
e. Other Parts such as Pilot Components		
Bonnet Stud	N90913	ASME SA193 Gr. B7
Bonnet Nut	N90914	ASME SA194 Gr. 2H
Inlet Stud	N90915	ASME SA193 Gr. B7

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

Date 4/9/80 Signed Crosby Valve & Gage Co. By [Signature]  
Manufacturer

Certificate of Authorization No. 1878 expires September 30, 1980

**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.,  
Factory Mutual Systems\*, Norwood, Mass.  
 inspected the equipment described in this Data Report on 4/16/80  
 and state that to the best of my knowledge and belief, the Manufacturer has constructed the equipment in accordance with the applicable Subsections of ASME, Section III.

By signing this certificate, neither the Inspector nor his employer makes any statement expressed or implied, concerning the equipment described in this Data Report. 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 4/16 19 80  
[Signature] Inspector Commission No. NIB-7795

\*Arlwright-Boston Manufacturers Mutual Insurance Company - Mechanical Boiler & Machinery Division.

[Signature]  
7/25/83

REPAIR/REPLACEMENT SYNOPSIS

DATE 07/08/03, REV. 0

Repair  Replacement

R/R No. 03-02-100

Suitability Evaluation Required  Yes  No  
(including failed items)

EC No. N/A

W/O No. 226580

1. SYSTEM NAME SG - Steam Generator NB No. 64

CONSTRUCTION CODE ASME Section III Edition 1986 Addenda None Code Class 1

CODE CASE N-20-3, N-474-1, N-2142, and N-2143

2. COMPONENT NAME Steam Generator Tag No. 1SG-E003

OLD COMPONENT

NEW COMPONENT

P.O. No./Catalog ID. 76180041 P.O. No./Catalog ID. 76180041

Year Built Unknown Code Stamp No Year Built Unknown Code Stamp No

Const. Code \*            Edition \*            Addenda \*            Const. Code \*            Edition \*            Addenda \*           

Code Class            Code Cases NA Code Class            Code Cases NA

NB No. NA NB No. NA

Manufacture Name Westinghouse Manufacture Name Westinghouse

Manufacture Serial No. NA Manufacture Serial No. UA36A07

3. DESCRIPTION OF WORK Replaced stud on "C" SG secondary manway cover. \*Stud is SA193 Gr. B7 (UTC 764622, HT# 95779). The stud was purchased under contract XTA3000186. The replacement parts meet or exceed the original code and design spec requirements. Therefore, suitable for replacement.

4. PRESERVICE INSPECTION REQUIREMENT

- MT - Mag. Part. Complete
- PT - Penetrant Complete
- RT - Radiography Complete
- UT - Ultrasonics Complete
- VT- Visual Complete

5. PROGRAM UPDATES REQUIRED

- ISI  Supports
- IST  ILRT/LLRT
- FAC  Other
- Check Valve

6. SYSTEM PRESSURE TEST REQUIREMENT

- Leakage Nominal Operating Pressure  Yes  No
- Functional Elevated Pressure N/A psi
- Inservice Test Temperature N/A °F
- Hydrostatic
- Pneumatic Applic. Code Ref. (or Code Case) N/A

7. ANI/ANII Review 05/07/03 Pre Work Start 04/30/03 Work Complete 05/19/03

8 NIS-2 Prepared 07/08/03 ANI/ANII 07/07/03 In Package 07/08/03

Note: Upon completion of the document, it is a completed QA record and is to be transmitted in accordance with RDC-NGGC-0001.

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 07/08/03  
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 WO# 226580  
Address Repair Organization P.O. No., Job No., etc.
3. Work Performed By Progress Energy 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 SG - Steam Generator
- 5 (a) Applicable Construction Code ASME Section III 1986 Edition, no Addenda, See N1 Code Case  
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1989, Addenda N/A
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)
Stud	Westinghouse	NA	NA	PN 76180041 SA193, Gr. B7	Unknown	Replaced	No
Stud	Westinghouse	UA36A07	NA	PN 76180041 Contract XTA3000186 SA193, Gr. B7	Unknown	Replacement	No

7. Description of Work: Replaced stud on "C" SG secondary manway cover.
8. Tests Conducted: Hydrostatic  Pneumatic  Nominal Operation 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 in numbered and the number of sheet is recorded at the top of this form.

FORM NIS-2 (Back)

9. Remarks

Applicable Manufacturer's Data Reports to be attached.

N1 - N-20-3, N-474-1, N-2142, and N-2143

CERTIFICATION OF COMPLIANCE

We certify that the statements made in the report are correct and this replacement conforms to the rules of the repair or replacement

ASME Code, Section XI.

Type Code Symbol Stamp N/A

Certificate of Authorization No. N/A

Expiration Date N/A

Signed Dayin Gao  
Owner or Owner's Designee, Title

for Equipment Performance Supervisor

Date 7/8/03

CERTIFICATE OF INSERVICE INSPECTION

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 Connecticut of Hartford, Connecticut have inspected the components described in this Owner's Report during the period of 12/15/01 to 05/18/03, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this 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.

Ally D. Jones  
Inspector's Signature

Commissions

NB 9931, NC 1507, ABIN NS

National Board, State, Province, and Endorsements

Date 7/9/03

REPAIR/REPLACEMENT SYNOPSIS

DATE 06/30/03, REV. 0

Repair  Replacement

R/R No. 03-02-019

Suitability Evaluation Required  Yes  No  
(including failed items)

EC No. N/A

W/O No. 232643

1. SYSTEM NAME MS - Main Steam NB No. 59  
CONSTRUCTION CODE ASME Section III Edition 1974 Addenda W76 Code Class 2  
CODE CASE See N-5 Data Report

2. COMPONENT NAME Hanger/Snubber Tag No. MS-H-24

OLD COMPONENT

NEW COMPONENT

P.O. No./Catalog ID. 73477507/73720039 P.O. No./Catalog ID. 73477507/73720039

Year Built Unknown Code Stamp No Year Built Unknown Code Stamp No

Const. Code \*            Edition NA Addenda NA Const. Code \*            Edition NA Addenda NA

Code Class            Code Cases NA Code Class            Code Cases NA

NB No. NA NB No. NA

Manufacture Name Unknown Manufacture Name Dubose NES

Manufacture Serial No. NA Manufacture Serial No. NA

3. DESCRIPTION OF WORK Replaced nut and threaded rod on hanger MS-H-24. \*Nut is ASTM A194 Gr. 2H (PO# 9A7265 and HT# 670). \*Threaded Rod is SA193 Gr. B7 (PO# 1223572 and HT# 778495). The replacement parts meet or exceed the original code and design spec requirements. Therefore, suitable for replacement.

4. PRESERVICE INSPECTION REQUIREMENT

- MT - Mag. Part. Complete
- PT - Penetrant Complete
- RT - Radiography Complete
- UT - Ultrasonics Complete
- VT-3 Visual Complete

5. PROGRAM UPDATES REQUIRED

- ISI  Supports
- IST  ILRT/LLRT
- FAC  Other
- Check Valve

6. SYSTEM PRESSURE TEST REQUIREMENT

- Leakage
  - Functional
  - Inservice
  - Hydrostatic
  - Pneumatic
- Nominal Operating Pressure  Yes  No  
Elevated Pressure N/A psi  
Test Temperature N/A °F  
Applic. Code Ref. (or Code Case) N/A

7. ANI/ANII Review 04/28/03 Pre Work Start 04/28/03 Work Complete 05/10/03

8. NIS-2 Prepared 06/30/03 ANI/ANII 07/07/03 In Package 07/08/03

Note: Upon completion of the document, it is a completed QA record and is to be transmitted in accordance with RDC-NGGC-0001.

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 06/30/03  
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 WO# 232643  
Address Repair Organization P.O. No., Job No., etc.
3. Work Performed By Progress Energy 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 MS - Main Steam
- 5 (a) Applicable Construction Code ASME Section III 1974 Edition, Winter '76 Addenda, See N1 Code Case  
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1989, Addenda N/A
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)
Nut	Unknown	NA	NA	PN 73477507 PO# 9A7265	Unknown	Replaced	No
Nut	Dubose NES	NA	NA	PN 73477507 PO# 9A7265 A194 Gr. 2H	Unknown	Replacement	No
Threaded Rod	Unknown	NA	NA	PN 73720039 PO# 1223572	Unknown	Replaced	No
Threaded Rod	Unknown	NA	NA	PN 73720039 PO# 1223572 SA193 Gr. B7	Unknown	Replacement	No

7. Description of Work: Replaced nut and threaded rod on hanger MS-H-24.
8. Tests Conducted: Hydrostatic  Pneumatic  Nominal Operation 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 in numbered and the number of sheet is recorded at the top of this form.

FORM NIS-2 (Back)

9. Remarks Performed preservice VT-3 on hanger after nut and threaded rod replacement.  
Applicable Manufacturer's Data Reports to be attached.

N1 - See N-5 Data Report for Code Cases

CERTIFICATION 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 Long* for Equipment Performance Supervisor Date 6/30/03  
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 Connecticut of Hartford, Connecticut have inspected the components described in this Owner's Report during the period of 12/15/01 to 05/18/03, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this 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.

*Larry E. Jones* Commissions NB 9931, NC 1507, ABIN NS  
Inspector's Signature National Board, State, Province, and Endorsements

Date 7/1/03

REPAIR/REPLACEMENT SYNOPSIS

DATE 06/30/03, REV. 0

Repair  Replacement

R/R No. 03-02-020

Suitability Evaluation Required  Yes  No  
(including failed items)

EC No. N/A

W/O No. 232644

1. SYSTEM NAME MS - Main Steam NB No. 59

CONSTRUCTION CODE ASME Section III Edition 1974 Addenda W76 Code Class 2

CODE CASE See N-5 Data Report

2. COMPONENT NAME Hanger/Snubber Tag No. MS-H-23

OLD COMPONENT

NEW COMPONENT

P.O. No./Catalog ID. 73477507/73720039 P.O. No./Catalog ID. 73477507/73720039

Year Built Unknown Code Stamp No Year Built Unknown Code Stamp No

Const. Code \*            Edition NA Addenda NA Const. Code \*            Edition NA Addenda NA

Code Class            Code Cases NA Code Class            Code Cases NA

NB No. NA NB No. NA

Manufacture Name Unknown Manufacture Name Dubose NES

Manufacture Serial No. NA Manufacture Serial No. NA

3. DESCRIPTION OF WORK Replaced nut and threaded rod on hanger MS-H-24. \*Nut is ASTM A194 Gr. 2H (PO# 9A7265 and HT# 670). \*Threaded Rod is SA193 Gr. B7 (PO# 1223572 and HT# 778495). The replacement parts meet or exceed the original code and design spec requirements. Therefore, suitable for replacement.

4. PRESERVICE INSPECTION REQUIREMENT

- MT - Mag. Part. Complete
- PT - Penetrant Complete
- RT - Radiography Complete
- UT - Ultrasonics Complete
- VT-3 Visual Complete

5. PROGRAM UPDATES REQUIRED

- ISI  Supports
- IST  ILRT/LLRT
- FAC  Other
- Check Valve

6. SYSTEM PRESSURE TEST REQUIREMENT

- Leakage Nominal Operating Pressure  Yes  No
- Functional Elevated Pressure N/A psi
- Inservice Test Temperature N/A °F
- Hydrostatic
- Pneumatic Applic. Code Ref. (or Code Case) N/A

7. ANI/ANII Review 04/28/03 Pre Work Start 05/01/03 Work Complete 05/10/03

8. NIS-2 Prepared 06/30/03 ANI/ANII 07/07/03 In Package 07/08/03

Note: Upon completion of the document, it is a completed QA record and is to be transmitted in accordance with RDC-NGGC-0001.

**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 06/30/03  
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 WO# 232644  
Address Repair Organization P.O. No., Job No., etc.
3. Work Performed By Progress Energy 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 MS - Main Steam
- 5 (a) Applicable Construction Code ASME Section III 1974 Edition, Winter '76 Addenda, See N1 Code Case  
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1989, Addenda N/A
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)
Nut	Unknown	NA	NA	PN 73477507 PO# 9A7265	Unknown	Replaced	No
Nut	Dubose NES	NA	NA	PN 73477507 PO# 9A7265 A194 Gr. 2H	Unknown	Replacement	No
Threaded Rod	Unknown	NA	NA	PN 73720039 PO# 1223572	Unknown	Replaced	No
Threaded Rod	Unknown	NA	NA	PN 73720039 PO# 1223572 SA193 Gr. B7	Unknown	Replacement	No

7. Description of Work: Replaced nut and threaded rod on hanger MS-H-23.
8. Tests Conducted: Hydrostatic  Pneumatic  Nominal Operation 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 in numbered and the number of sheet is recorded at the top of this form.

FORM NIS-2 (Back)

9. Remarks Performed preservice VT-3 on hanger after nut and threaded rod replacement.

Applicable Manufacturer's Data Reports to be attached.

N1 - See N-5 Data Report for Code Cases

CERTIFICATION OF COMPLIANCE

We certify that the statements made in the report are correct and this replacement conforms to the rules of the repair or replacement

ASME Code, Section XI.

Type Code Symbol Stamp N/A

Certificate of Authorization No. N/A

Expiration Date N/A

Signed Darwin Dong for Equipment Performance Supervisor Date 6/30/03  
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 Connecticut of Hartford, Connecticut have inspected the components described in this Owner's Report during the period of 12/15/01 to 05/18/03, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

Randy D. Jones  
Inspector's Signature

Commissions NB 9931, NC 1507, ABIN NS  
National Board, State, Province, and Endorsements

Date 7/7/03

REPAIR/REPLACEMENT SYNOPSIS

DATE 06/30/03, REV. 0

Repair  Replacement

R/R No. 03-02-017

Suitability Evaluation Required  Yes  No  
(including failed items)

EC No. N/A

W/O No. 232647

1. SYSTEM NAME BD - Steam Generator Blowdown NB No. 44

CONSTRUCTION CODE ASME Section III Edition 1974 Addenda W76 Code Class 2

CODE CASE See N-5 Data Report

2. COMPONENT NAME Hanger/Snubber Tag No. BD-H-368

OLD COMPONENT

NEW COMPONENT

P.O. No./Catalog ID. 51410801/51411692 P.O. No./Catalog ID. 51410801/51411692

Year Built Unknown Code Stamp No Year Built Unknown Code Stamp No

Const. Code \*            Edition NA Addenda NA Const. Code \*            Edition NA Addenda NA

Code Class            Code Cases NA Code Class            Code Cases NA

NB No. NA NB No. NA

Manufacture Name Unknown Manufacture Name Nova Mach Prod Corp

Manufacture Serial No. NA Manufacture Serial No. NA

3. DESCRIPTION OF WORK Replaced nut and threaded rod on hanger BD-H-368. \*Nut is ASME SA194 Gr. 2H (PO# 100576 and HT# B87035). \*Threaded Rod is SA193 Gr. B7 (PO# 892777 and HT# 77130). The replacement parts meet or exceed the original code and design spec requirements. Therefore, suitable for replacement.

4. PRESERVICE INSPECTION REQUIREMENT

- MT - Mag. Part. Complete
- PT - Penetrant Complete
- RT - Radiography Complete
- UT - Ultrasonics Complete
- VT-3 Visual Complete

5. PROGRAM UPDATES REQUIRED

- ISI  Supports
- IST  ILRT/LLRT
- FAC  Other
- Check Valve

6. SYSTEM PRESSURE TEST REQUIREMENT

- Leakage
- Functional
- Inservice
- Hydrostatic
- Pneumatic

Nominal Operating Pressure  Yes  No  
 Elevated Pressure N/A psi  
 Test Temperature N/A °F  
 Applic. Code Ref. (or Code Case) N/A

7. ANI/ANII Review 04/28/03 Pre Work Start 04/28/03 Work Complete 05/10/03

8. NIS-2 Prepared 06/30/03 ANI/ANII 07/07/03 In Package 07/08/03

Note: Upon completion of the document, it is a completed QA record and is to be transmitted in accordance with RDC-NGGC-0001.

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 06/30/03  
 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 WO# 232647  
 Address Repair Organization P.O. No., Job No., etc.
3. Work Performed By Progress Energy 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 BD - Steam Generator Blowdown
- 5 (a) Applicable Construction Code ASME Section III 1974 Edition, Winter '76 Addenda, See N1 Code Case  
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1989, Addenda N/A
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)
Nut	Unknown	NA	NA	PN 51410801 PO# 100576	Unknown	Replaced	No
Nut	Nova Mach Prod Corp	NA	NA	PN 51410801 PO# 100576 SA194 Gr. 2H	Unknown	Replacement	No
Threaded Rod	Unknown	NA	NA	PN 51411692 PO# 892777	Unknown	Replaced	No
Threaded Rod	Nova Mach Prod Corp	NA	NA	PN 51411692 PO# 892777 SA193 Gr. B7	Unknown	Replacement	No

7. Description of Work: Replaced nut and threaded rod on hanger BD-H-368.
8. Tests Conducted: Hydrostatic  Pneumatic  Nominal Operation 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 sheet is recorded at the top of this form.

FORM NIS-2 (Back)

9. Remarks Performed preservice VT-3 on hanger after nut and threaded rod replacement.

Applicable Manufacturer's Data Reports to be attached.

N1 - See N-5 Data Report for Code Cases

CERTIFICATION OF COMPLIANCE

We certify that the statements made in the report are correct and this replacement conforms to the rules of the repair or replacement

ASME Code, Section XI.

Type Code Symbol Stamp N/A

Certificate of Authorization No. N/A

Expiration Date N/A

Signed Dajin Song  
Owner or Owner's Designee, Title

for Equipment Performance Supervisor

Date 6/30/03

CERTIFICATE OF INSERVICE INSPECTION

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 Connecticut of Hartford, Connecticut have inspected the components described in this Owner's Report during the period of 12/15/01 to 05/18/03, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

Randy L. Jones  
Inspector's Signature

Commissions

NB 9931, NC 1507, ABIN NS

National Board, State, Province, and Endorsements

Date

7/2/03

REPAIR/REPLACEMENT SYNOPSIS

DATE 06/27/03, REV. 0

Repair  Replacement

R/R No. 03-02-013

Suitability Evaluation Required  Yes  No  
(including failed items)

EC No. N/A

W/O No. 232786

1. SYSTEM NAME SI - Safety Injection NB No. 46

CONSTRUCTION CODE ASME Section III Edition 1974 Addenda W76 Code Class 2

CODE CASE See N-5 Data Report

2. COMPONENT NAME Hanger/Snubber Tag No. SI-H-25

OLD COMPONENT

NEW COMPONENT

P.O. No./Catalog ID. 73286288 P.O. No./Catalog ID. 73286288

Year Built Unknown Code Stamp No Year Built Unknown Code Stamp No

Const. Code A-194, 2H Edition NA Addenda NA Const. Code A-194, 2H Edition NA Addenda NA

Code Class \_\_\_\_\_ Code Cases NA Code Class \_\_\_\_\_ Code Cases NA

NB No. NA NB No. NA

Manufacture Name Coloc Industries Manufacture Name Coloc Industries

Manufacture Serial No. NA Manufacture Serial No. NA

3. DESCRIPTION OF WORK Replaced coloc nut on hanger SI-H-25. Nut is ASTM A194 Gr. 2H. PO# 1027796. The replacement part meets or exceeds the original code and design spec requirements. Therefore, suitable for replacement.

4. PRESERVICE INSPECTION REQUIREMENT

- MT - Mag. Part. Complete
- PT - Penetrant Complete
- RT - Radiography Complete
- UT - Ultrasonics Complete
- VT-3 Visual Complete

5. PROGRAM UPDATES REQUIRED

- ISI  Supports
- IST  ILRT/LLRT
- FAC  Other \_\_\_\_\_
- Check Valve

6. SYSTEM PRESSURE TEST REQUIREMENT

- Leakage
- Functional
- Inservice
- Hydrostatic
- Pneumatic

Nominal Operating Pressure  Yes  No

Elevated Pressure N/A psi

Test Temperature N/A °F

Applic. Code Ref. (or Code Case) N/A

7. ANI/ANII Review 05/04/03 Pre Work Start 05/03/03 Work Complete 05/14/03

8. NIS-2 Prepared 06/27/03 ANI/ANII 06/27/03 In Package 07/03/03

Note: Upon completion of the document, it is a completed QA record and is to be transmitted in accordance with RDC-NGGC-0001.

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 06/27/03  
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 WO# 232786  
Address Repair Organization P.O. No., Job No., etc.
3. Work Performed By Progress Energy 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 SI - Safety Injection
- 5 (a) Applicable Construction Code ASME Section III 1974 Edition, Winter '76 Addenda, See N1 Code Case  
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1989, Addenda N/A
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)
Nut	Coloc Industries	NA	NA	PN 73286288 PO# 1027796 A194 Gr. 2H	Unknown	Replaced	No
Nut	Coloc Industries	NA	NA	PN 73286288 PO# 1027796 A194 Gr. 2H	Unknown	Replacement	No

7. Description of Work: Replaced coloc nut on hanger SI-H-25.
8. Tests Conducted: Hydrostatic  Pneumatic  Nominal Operation 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 in numbered and the number of sheet is recorded at the top of this form.

FORM NIS-2 (Back)

9. Remarks Performed preservice VT-3 on hanger after coloco nut replacement.

Applicable Manufacturer's Data Reports to be attached.

N1 - See N-5 Data Report for Code Cases

CERTIFICATION OF COMPLIANCE

We certify that the statements made in the report are correct and this replacement conforms to the rules of the  
repair or replacement

ASME Code, Section XI.

Type Code Symbol Stamp N/A

Certificate of Authorization No. N/A

Expiration Date N/A

Signed Daphn Hong for Equipment Performance Supervisor Date 6/27/03  
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 Connecticut of Hartford, Connecticut have inspected the components described in this Owner's Report during the period of 12/15/01 to 05/18/03, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this 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.

Larry J. Jones  
Inspector's Signature

Commissions NB 9931, NC 1507, ABIN NS  
National Board, State, Province, and Endorsements

Date 6/27/03

REPAIR/REPLACEMENT SYNOPSIS

DATE 06/27/03, REV. 0

Repair  Replacement

R/R No. 03-02-022

Suitability Evaluation Required  Yes  No  
(including failed items)

EC No. N/A

W/O No. 232791

1. SYSTEM NAME RH - Residual Heat Removal NB No. 38

CONSTRUCTION CODE ASME Section III Edition 1974 Addenda W76 Code Class 2

CODE CASE See N-5 Data Report

2. COMPONENT NAME Hanger/Snubber Tag No. RH-H-267

OLD COMPONENT

NEW COMPONENT

P.O. No./Catalog ID. 73286304 P.O. No./Catalog ID. 73286304

Year Built Unknown Code Stamp No Year Built Unknown Code Stamp No

Const. Code A-194, 2H Edition NA Addenda NA Const. Code A-194, 2H Edition NA Addenda NA

Code Class \_\_\_\_\_ Code Cases NA Code Class \_\_\_\_\_ Code Cases NA

NB No. NA NB No. NA

Manufacture Name Coloc Industries Manufacture Name Coloc Industries

Manufacture Serial No. NA Manufacture Serial No. NA

3. DESCRIPTION OF WORK Replaced coloc nut on hanger RH-H-267 Nut is ASTM A194 Gr. 2H. PO# 39451. The replacement part meets or exceeds the original code and design spec requirements. Therefore, suitable for replacement.

4. PRESERVICE INSPECTION REQUIREMENT

- MT - Mag. Part. Complete
- PT - Penetrant Complete
- RT - Radiography Complete
- UT - Ultrasonics Complete
- VT-3 Visual Complete

5. PROGRAM UPDATES REQUIRED

- ISI  Supports
- IST  ILRT/LLRT
- FAC  Other \_\_\_\_\_
- Check Valve

6. SYSTEM PRESSURE TEST REQUIREMENT

- Leakage Nominal Operating Pressure  Yes  No
- Functional Elevated Pressure N/A psi
- Inservice Test Temperature N/A °F
- Hydrostatic
- Pneumatic Applic. Code Ref. (or Code Case) N/A

7. ANI/ANII Review 05/03/03 Pre Work Start 05/03/03 Work Complete 05/14/03

8. NIS-2 Prepared 06/27/03 ANI/ANII 06/27/03 In Package 07/03/03

Note: Upon completion of the document, it is a completed QA record and is to be transmitted in accordance with RDC-NGGC-0001.

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 06/27/03  
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 WO# 232791  
Address Repair Organization P.O. No., Job No., etc.
3. Work Performed By Progress Energy 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 RH - Residual Heat Removal
- 5 (a) Applicable Construction Code ASME Section III 1974 Edition, Winter '76 Addenda, See N1 Code Case  
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1989, Addenda N/A
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)
Nut	Coloc Industries	NA	NA	PN 73286304 PO# 39451 A194 Gr 2H	Unknown	Replaced	No
Nut	Coloc Industries	NA	NA	PN 73286304 PO# 39451 A194 Gr 2H	Unknown	Replacement	No

7. Description of Work: Replaced coloc nut on hanger RH-H-267.
8. Tests Conducted: Hydrostatic  Pneumatic  Nominal Operation 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 in numbered and the number of sheet is recorded at the top of this form.

FORM NIS-2 (Back)

9. Remarks Performed preservice VT-3 on hanger after coloc nut replacement.

Applicable Manufacturer's Data Reports to be attached.

N1 - See N-5 Data Report for Code Cases

CERTIFICATION OF COMPLIANCE

We certify that the statements made in the report are correct and this replacement conforms to the rules of the  
repair or replacement

ASME Code, Section XI.

Type Code Symbol Stamp N/A

Certificate of Authorization No. N/A

Expiration Date N/A

Signed Dajin Hong for Equipment Performance Supervisor Date 6/27/03  
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 Connecticut of Hartford, Connecticut have inspected the components described in this Owner's Report during the period of 12/15/01 to 05/18/03, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this 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.

Sam J. Jones  
Inspector's Signature

Commissions NB 9931, NC 1507, ABIN NS  
National Board, State, Province, and Endorsements

Date 6/27/03

REPAIR/REPLACEMENT SYNOPSIS

DATE 06/27/03, REV. 0

Repair  Replacement

R/R No. 03-02-018

Suitability Evaluation Required  Yes  No  
(including failed items)

EC No. N/A

W/O No. 236721

1. SYSTEM NAME FW - Feedwater NB No. 54

CONSTRUCTION CODE ASME Section III Edition 1974 Addenda W76 Code Class 2

CODE CASE See N-5 Data Report

2. COMPONENT NAME Hanger/Snubber Tag No. FW-H-520

OLD COMPONENT

NEW COMPONENT

P.O. No./Catalog ID. 51410983/73286320 P.O. No./Catalog ID. 51410983/73286320

Year Built Unknown Code Stamp No Year Built Unknown Code Stamp No

Const. Code SA/A-194 Edition NA Addenda NA Const. Code SA/A-194 Edition NA Addenda NA  
2H 2H

Code Class \_\_\_\_\_ Code Cases NA Code Class \_\_\_\_\_ Code Cases NA

NB No. NA NB No. NA

Manufacture Name Mackson/Coloc Industries Manufacture Name Makson/Coloc Industries

Manufacture Serial No. NA Manufacture Serial No. NA

3. DESCRIPTION OF WORK Replaced coloc nut on hanger FW-H-520 Nut is SA/A194 Gr. 2H. PO# 6H6551/1024784. The replacement part meets or exceeds the original code and design spec requirements. Therefore, suitable for replacement.

4. PRESERVICE INSPECTION REQUIREMENT

- MT - Mag. Part. Complete
- PT - Penetrant Complete
- RT - Radiography Complete
- UT - Ultrasonics Complete
- VT-3 Visual Complete

5. PROGRAM UPDATES REQUIRED

- ISI  Supports
- IST  ILRT/LLRT
- FAC  Other \_\_\_\_\_
- Check Valve

6. SYSTEM PRESSURE TEST REQUIREMENT

- Leakage
- Functional
- Inservice
- Hydrostatic
- Pneumatic

Nominal Operating Pressure  Yes  No

Elevated Pressure N/A psi

Test Temperature N/A °F

Applic. Code Ref. (or Code Case) N/A

7. ANI/ANII Review 04/28/03 Pre Work Start 04/28/03 Work Complete 05/19/03

8. NIS-2 Prepared 06/27/03 ANI/ANII 06/27/03 In Package 07/03/03

Note: Upon completion of the document, it is a completed QA record and is to be transmitted in accordance with RDC-NGGC-0001.

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 06/27/03  
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 WO# 236721  
Address Repair Organization P.O. No., Job No., etc.
3. Work Performed By Progress Energy 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 FW - Feedwater
- 5 (a) Applicable Construction Code ASME Section III 1974 Edition, Winter '76 Addenda, See N1 Code Case  
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1989, Addenda N/A
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)
Nut	Coloc Industries	NA	NA	PN 73286320 PO# 1024784 A194 Gr. 2H	Unknown	Replaced	No
Nut	Coloc Industries	NA	NA	PN 73286320 PO# 1024784 A194 Gr. 2H	Unknown	Replacement	No
Nut	Mackson	NA	NA	PN 51410983 PO# 6H6551 HT# 8868492 SA194 Gr. 2H	Unknown	Replacement	No

7. Description of Work: Replaced coloc nut on hanger FW-H-520.
8. Tests Conducted: Hydrostatic  Pneumatic  Nominal Operation 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 in numbered and the number of sheet is recorded at the top of this form.

FORM NIS-2 (Back)

9. Remarks Performed preservice VT-3 on hanger after coloc nut replacement.

Applicable Manufacturer's Data Reports to be attached.

N1 - See N-5 Data Report for Code Cases

CERTIFICATION OF COMPLIANCE

We certify that the statements made in the report are correct and this replacement conforms to the rules of the repair or replacement

ASME Code, Section XI.

Type Code Symbol Stamp N/A

Certificate of Authorization No. N/A

Expiration Date N/A

Signed Daglin Jones for Equipment Performance Supervisor Date 6/27/03  
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 Connecticut of Hartford, Connecticut have inspected the components described in this Owner's Report during the period of 12/15/01 to 05/18/03, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this 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.

Sally E. Jones  
Inspector's Signature

Commissions NB 9931, NC 1507, ABIN NS  
National Board, State, Province, and Endorsements

Date 6/27/03

REPAIR/REPLACEMENT SYNOPSIS

DATE 06/27/03, REV. 0

Repair  Replacement

R/R No. 03-02-055

Suitability Evaluation Required  Yes  No  
(including failed items)

EC No. N/A

W/O No. 236837

1. SYSTEM NAME AF - Auxiliary Feedwater NB No. 49

CONSTRUCTION CODE ASME Section III Edition 1974 Addenda W76 Code Class 2

CODE CASE See N-5 Data Report

2. COMPONENT NAME Hanger/Snubber Tag No. AF-H-393

OLD COMPONENT

NEW COMPONENT

P.O. No./Catalog ID. 76100700 P.O. No./Catalog ID. 76100700

Year Built Unknown Code Stamp No Year Built 1981 Code Stamp No

Const. Code ASME III Edition 1971 Addenda S73 Const. Code ASME III Edition 1977 Addenda S78

Code Class  Code Cases NA Code Class 1 Code Cases 1644-6

NB No. NA NB No. NA

Manufacture Name PSA Manufacture Name PSA

Manufacture Serial No. 11918 Manufacture Serial No. 17475

3. DESCRIPTION OF WORK Replaced snubber on hanger AF-H-393. The replacement snubber meets or exceeds the original code and design spec requirements. Therefore, suitable for replacement.

4. PRESERVICE INSPECTION REQUIREMENT

- MT - Mag. Part. Complete
- PT - Penetrant Complete
- RT - Radiography Complete
- UT - Ultrasonics Complete
- VT-3 Visual Complete

5. PROGRAM UPDATES REQUIRED

- ISI
- IST
- FAC
- Check Valve
- Supports
- ILRT/LLRT
- Other

6. SYSTEM PRESSURE TEST REQUIREMENT

- Leakage
- Functional
- Inservice
- Hydrostatic
- Pneumatic

Nominal Operating Pressure  Yes  No

Elevated Pressure N/A psi

Test Temperature N/A °F

Applic. Code Ref. (or Code Case) N/A

7. ANI/ANII Review 04/29/03 Pre Work Start 04/29/03 Work Complete 05/08/03

8. NIS-2 Prepared 06/27/03 ANI/ANII 06/27/03 In Package 07/03/03

Note: Upon completion of the document, it is a completed QA record and is to be transmitted in accordance with RDC-NGGC-0001.

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 06/27/03  
Name  
P.O. Box 1551, Raleigh, N.C. 27602-1551 Sheet 1 of 4  
Address
2. Plant Shearon Harris Nuclear Power Plant Unit 1  
Name  
P.O. Box 165, New Hill, N.C. 27562-0165 WO# 236837  
Address Repair Organization P.O. No., Job No., etc.
3. Work Performed By Progress Energy 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 AF - Auxiliary Feedwater
- 5 (a) Applicable Construction Code ASME Section III 1974 Edition, Winter '76 Addenda, See N1 Code Case  
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1989, Addenda N/A
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	PSA	11918	NA	AF-H-393 PN 76100700	Unknown	Replaced	No
Snubber	PSA	17475	NA	AF-H-393 PN 76100700	1981	Replacement	No

7. Description of Work: Replaced snubber on hanger AF-H-393.
8. Tests Conducted: Hydrostatic  Pneumatic  Nominal Operation 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 in numbered and the number of sheet is recorded at the top of this form.

FORM NIS-2 (Back)

9. Remarks Performed preservice VT-3 on hanger after snubber replacement.

Applicable Manufacturer's Data Reports to be attached.

N1 - See N-5 Data Report for Code Cases

CERTIFICATION OF COMPLIANCE

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

Type Code Symbol Stamp N/A

Certificate of Authorization No. N/A

Expiration Date N/A

Signed *Dayton Long* for Equipment Performance Supervisor

Date 6/27/03

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 Connecticut of Hartford, Connecticut have inspected the components described in this Owner's Report during the period of 12/15/01 to 05/18/03, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this 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.

*Harry D. Jones*  
Inspector's Signature

Commissions NB 9931, NC 1507, ABIN NS

National Board, State, Province, and Endorsements

Date 6/27/03

**FORM NP-1 INPT 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 INPT Certificate Holder)

2. Manufacturer for Southwest Fabricatings & Welding Co., Inc.

(Name and address of purchaser or owner)

WO # 236837

17572  
D.D.  
6/27/83

3. Location of Installation Unknown

Sheet 3 of 4

4. Identification

(a) Component Support I.D. No.	(b) Canadian Registration No.	(c) Applicable Drawings with Last Rev. & Date	(d) Stress Report or Load Capac- ity Data Sheet	(e) Type of Component Support	(f) Class	(g) Nat'l Board No.	(h) Year Built
(1) <u>17438-17587</u>	<u>None</u>	<u>1801106-05-J</u>	<u>DR-1350-Rev. B</u>	<u>Linear</u>	<u>1</u>	<u>None</u>	<u>1981</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 '78

Code Case No. 1644-G

Date 5/14/78

Signed Pacific Scientific  
(INPT Certificate Holder)

by Frankie A. Nava  
(Date)

Our ASME Certificate of Authorization No. N-1193 to use the Component Supports  
(INPT)

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

Frankie A. Nava  
6/27/83

4170

0732

W# 236837

Sheet 4 of 4

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 ESB&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.)

W. B. ANI  
6/27/83

REPAIR/REPLACEMENT SYNOPSIS

DATE 06/27/03, REV. 0

Repair  Replacement

R/R No. 03-02-051

Suitability Evaluation Required  Yes  No  
(including failed items)

EC No. N/A

W/O No. 239140

1. SYSTEM NAME SI - Safety Injection NB No. 46

CONSTRUCTION CODE ASME Section III Edition 1974 Addenda W76 Code Class 2

CODE CASE See N-5 Data Report

2. COMPONENT NAME Hanger/Snubber Tag No. SI-H-591

OLD COMPONENT

NEW COMPONENT

P.O. No./Catalog ID. 76100262 P.O. No./Catalog ID. 76100262

Year Built 1980 Code Stamp No Year Built 1985 Code Stamp No

Const. Code ASME III Edition 1977 Addenda W77 Const. Code ASME III Edition 1977 Addenda W78

Code Class 1 Code Cases 1644-7 Code Class 1 Code Cases 1644-7

NB No. NA NB No. NA

Manufacture Name PSA Manufacture Name PSA

Manufacture Serial No. 14911 Manufacture Serial No. 37088

3. DESCRIPTION OF WORK Replaced snubber on hanger SI-H-591. The replacement snubber meets or exceeds the original code and design spec requirements. Therefore, suitable for replacement.

4. PRESERVICE INSPECTION REQUIREMENT

- MT - Mag. Part. Complete
- PT - Penetrant Complete
- RT - Radiography Complete
- UT - Ultrasonics Complete
- VT-3 Visual Complete

5. PROGRAM UPDATES REQUIRED

- ISI  Supports
- IST  ILRT/LLRT
- FAC  Other \_\_\_\_\_
- Check Valve

6. SYSTEM PRESSURE TEST REQUIREMENT

- Leakage
- Functional
- Inservice
- Hydrostatic
- Pneumatic

Nominal Operating Pressure  Yes  No

Elevated Pressure N/A psi

Test Temperature N/A °F

Applic. Code Ref. (or Code Case) N/A

7. ANI/ANII Review 04/30/03 Pre Work Start 04/30/03 Work Complete 05/08/03

8. NIS-2 Prepared 06/27/03 ANI/ANII 07/07/03 In Package 07/08/03

Note: Upon completion of the document, it is a completed QA record and is to be transmitted in accordance with RDC-NGGC-0001.

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 06/27/03  
Name  
P.O. Box 1551, Raleigh, N.C. 27602-1551 Sheet 1 of 4  
Address
2. Plant Shearon Harris Nuclear Power Plant Unit 1  
Name  
P.O. Box 165, New Hill, N.C. 27562-0165 WO# 239140  
Address Repair Organization P.O. No., Job No., etc.
3. Work Performed By Progress Energy 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 SI - Safety Injection
- 5 (a) Applicable Construction Code ASME Section III 1974 Edition, Winter '76 Addenda, See N1 Code Case  
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1989, Addenda N/A
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	PSA	14911	NA	SI-H-591 PN 76100262	1980	Replaced	No
Snubber	PSA	37088	NA	SI-H-591 PN 76100262	1985	Replacement	No

7. Description of Work: Replaced snubber on hanger SI-H-591.
8. Tests Conducted: Hydrostatic  Pneumatic  Nominal Operation 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 in numbered and the number of sheet is recorded at the top of this form.

FORM NIS-2 (Back)

9. Remarks Performed preservice VT-3 on hanger after snubber replacement.

Applicable Manufacturer's Data Reports to be attached.

N1 - See N-5 Data Report for Code Cases

CERTIFICATION OF COMPLIANCE

We certify that the statements made in the report are correct and this replacement conforms to the rules of the repair or replacement

ASME Code, Section XI.

Type Code Symbol Stamp N/A

Certificate of Authorization No. N/A

Expiration Date N/A

Signed *Dagun Song*  
Owner or Owner's Designee, Title

for Equipment Performance Supervisor

Date 6/27/03

CERTIFICATE OF INSERVICE INSPECTION

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 Connecticut of Hartford, Connecticut have inspected the components described in this Owner's Report during the period of 12/15/01 to 05/18/03, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this 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.

*Samy D. Jones*  
Inspector's Signature

Commissions NB 9931, NC 1507, ABIN NS

National Board, State, Province, and Endorsements

Date 7/7/03

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

DA 612163  
37084  
No # 239140  
Sheet 3 of 4

Pacific Scientific, Kin-Tech Division

1. Manufactured by 1346 South State College Blvd., Anaheim, California 92603  
(Name and address of NPT Certificate Holder)

2. Manufacturer for W.T. Brinnell 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) 37956	None	1801194-05-C	DR 1412-Rev. 0	Linear	1	None	1985
(2) thru							
(3) 37697	"	"	"	"	"	"	"
(4)							
(5)							
(6)							
(7)							
(8)							
(9)							
(10)							

5. Remarks Inspection Test Reports, NTR's and Certificate of Compliance 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 '73  
Code Case No. 1644-6 (Date)

Date 1/1/80 Signed Pacific Scientific by [Signature]  
(NPT Certificate Holder)

Our ASME Certificate of Authorization No. N-1192 to use the "NPT"  
(NPT)

Symbol expires Aug. 4, 1987  
(Date)

CERTIFICATION OF DESIGN

Design information on File at Pacific Scientific

Design Report or Load Capacity Data Sheets on File at Pacific Scientific  
Filed Per NCA 2286

Design Code Rules Certified by (I) Leo E. Ay PE State California  
Reg. No. 10833

Class Analysis Report or Load Capacity Data Sheets Certified by (II) Leo E. Ay  
PE State California Reg. No. 10833

Signatures of signatories not required

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

[Signature] AN11  
7/10/83

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 CHID and employed by HCB&I Co. of Hartford, CT

have inspected the component supports described in this Data Report on 11/12/85 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 11/12/85  
Signature [Signature] Commissions CA 1520 / CHID COMM.  
(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 \_\_\_\_\_  
Signature \_\_\_\_\_ Commissions \_\_\_\_\_  
(Nat'l Bd., State, Prov., and No.)

[Signature] 7/7/83

REPAIR/REPLACEMENT SYNOPSIS

DATE 06/27/03, REV. 0

Repair  Replacement

R/R No. 03-02-050

Suitability Evaluation Required  Yes  No  
(including failed items)

EC No. N/A

W/O No. 239144

1. SYSTEM NAME SI - Safety Injection NB No. 46

CONSTRUCTION CODE ASME Section III Edition 1974 Addenda W76 Code Class 2

CODE CASE See N-5 Data Report

2. COMPONENT NAME Hanger/Snubber Tag No. SI-H-23

OLD COMPONENT

NEW COMPONENT

P.O. No./Catalog ID. 76097344 P.O. No./Catalog ID. 76097344

Year Built 1979 Code Stamp No Year Built 1985 Code Stamp No

Const. Code ASME III Edition 1977 Addenda S78 Const. Code ASME III Edition 1977 Addenda W78

Code Class 1 Code Cases 1644-6 Code Class 1 Code Cases 1644-7

NB No. NA NB No. NA

Manufacture Name PSA Manufacture Name PSA

Manufacture Serial No. 6228 Manufacture Serial No. 17074

3. DESCRIPTION OF WORK Replaced snubber on hanger SI-H-23. The replacement snubber meets or exceeds the original code and design spec requirements. Therefore, suitable for replacement.

4. PRESERVICE INSPECTION REQUIREMENT

- MT - Mag. Part. Complete
- PT - Penetrant Complete
- RT - Radiography Complete
- UT - Ultrasonics Complete
- VT-3 Visual Complete

5. PROGRAM UPDATES REQUIRED

- ISI  Supports
- IST  ILRT/LLRT
- FAC  Other \_\_\_\_\_
- Check Valve

6. SYSTEM PRESSURE TEST REQUIREMENT

- Leakage
- Functional
- Inservice
- Hydrostatic
- Pneumatic

Nominal Operating Pressure  Yes  No

Elevated Pressure N/A psi

Test Temperature N/A °F

Applic. Code Ref. (or Code Case) N/A

7. ANI/ANII Review 05/02/03 Pre Work Start 05/02/03 Work Complete 05/08/03

8. NIS-2 Prepared 06/27/03 ANI/ANII 06/27/03 In Package 07/03/03

Note: Upon completion of the document, it is a completed QA record and is to be transmitted in accordance with RDC-NGGC-0001.

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 06/27/03  
Name  
P.O. Box 1551, Raleigh, N.C. 27602-1551 Sheet 1 of 4  
Address
2. Plant Shearon Harris Nuclear Power Plant Unit 1  
Name  
P.O. Box 165, New Hill, N.C. 27562-0165 WO# 239144  
Address Repair Organization P.O. No., Job No., etc.
3. Work Performed By Progress Energy 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 SI - Safety Injection
- 5 (a) Applicable Construction Code ASME Section III 1974 Edition, Winter '76 Addenda, See N1 Code Case  
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1989, Addenda N/A
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	PSA	6228	NA	SI-H-23 PN 76097344	1979	Replaced	No
Snubber	PSA	17074	NA	SI-H-23 PN 76097344	1985	Replacement	No

7. Description of Work: Replaced snubber on hanger SI-H-23.
8. Tests Conducted: Hydrostatic  Pneumatic  Nominal Operation 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 in numbered and the number of sheet is recorded at the top of this form.

FORM NIS-2 (Back)

9. Remarks Performed preservice VT-3 on hanger after snubber replacement.

Applicable Manufacturer's Data Reports to be attached.

N1 - See N-5 Data Report for Code Cases

CERTIFICATION OF COMPLIANCE

We certify that the statements made in the report are correct and this replacement conforms to the rules of the  
repair or replacement

ASME Code, Section XI.

Type Code Symbol Stamp N/A

Certificate of Authorization No. N/A

Expiration Date N/A

Signed *Dajin Gong* Equipment Performance Supervisor

Date 6/27/03

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 Connecticut of Hartford, Connecticut have inspected the components described in this Owner's Report during the period of 12/15/01 to 05/18/03, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

*Randy D. Jones*  
Inspector's Signature

Commissions NB 9931, NC 1507, ABIN NS  
National Board, State, Province, and Endorsements

Date 6/27/03

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

1. Manufactured by AIN-TECH DIVISION Pacific Scientific Co. 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)	17062	NONE	1801103-07-J	DR 1416 Rev.0	Linear	1	NONE	1985
(2)	thru							
(3)	17081	"	"	"	"	"	"	"
(4)								
(5)								
(6)								
(7)								
(8)								
(9)								
(10)								

5. Remarks Inspection Test Reports, CTR'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 1/23/85 Signed Pacific Scientific Co. by [Signature]  
(NPT Certificate Holder)

Our ASME Certificate of Authorization No. N-1196 to use the "NPT"  
(INPT)

Symbol expires Aug. 4, 1987  
(Date)

**CERTIFICATION OF DESIGN**

Design Information on File at Pacific Scientific Co.

Stress Report or Load Capacity Data Sheets on File at Pacific Scientific Co. Filed Per NCR 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 & 4g of 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.

PHI 9-485  
29, AN11  
6/27/03

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 HSBI&I Co. of Hartford, CT

2

have inspected the component supports described in this Data Report on 1-25-85 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 1-25-85  
Signed Walter F. Reeds Commissions CA 1520 / 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.)

9-4-85  
J. ANH  
6/27/03

REPAIR/REPLACEMENT SYNOPSIS

DATE 06/27/03, REV. 0

Repair  Replacement

R/R No. 03-02-052

Suitability Evaluation Required  Yes  No  
(including failed items)

EC No. N/A

W/O No. 239146

1. SYSTEM NAME RH - Residual Heat Removal NB No. 38

CONSTRUCTION CODE ASME Section III Edition 1974 Addenda W76 Code Class 2

CODE CASE See N-5 Data Report

2. COMPONENT NAME Hanger/Snubber Tag No. RH-H-316B

OLD COMPONENT

NEW COMPONENT

P.O. No./Catalog ID. 76100700 P.O. No./Catalog ID. 76100700

Year Built 1981 Code Stamp No Year Built 1981 Code Stamp No

Const. Code ASME III Edition 1977 Addenda S78 Const. Code ASME III Edition 1977 Addenda S78

Code Class 1 Code Cases 1644-6 Code Class 1 Code Cases 1644-6

NB No. NA NB No. NA

Manufacture Name PSA Manufacture Name PSA

Manufacture Serial No. 18600 Manufacture Serial No. 16415

3. DESCRIPTION OF WORK Replaced snubber on hanger RH-H-316B. The replacement snubber meets or exceeds the original code and design spec requirements. Therefore, suitable for replacement.

4. PRESERVICE INSPECTION REQUIREMENT

- MT - Mag. Part. Complete
- PT - Penetrant Complete
- RT - Radiography Complete
- UT - Ultrasonics Complete
- VT-3 Visual Complete

5. PROGRAM UPDATES REQUIRED

- ISI  Supports
- IST  ILRT/LLRT
- FAC  Other \_\_\_\_\_
- Check Valve

6. SYSTEM PRESSURE TEST REQUIREMENT

- Leakage
- Functional
- Inservice
- Hydrostatic
- Pneumatic

Nominal Operating Pressure  Yes  No

Elevated Pressure N/A psi

Test Temperature N/A °F

Applic. Code Ref. (or Code Case) N/A

7. ANI/ANII Review 05/01/03 Pre Work Start 05/01/03 Work Complete 05/08/03

8. NIS-2 Prepared 06/27/03 ANI/ANII 06/27/03 In Package 07/03/03

Note: Upon completion of the document, it is a completed QA record and is to be transmitted in accordance with RDC-NGGC-0001.

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 06/27/03  
Name  
P.O. Box 1551, Raleigh, N.C. 27602-1551 Sheet 1 of 4  
Address
2. Plant Shearon Harris Nuclear Power Plant Unit 1  
Name  
P.O. Box 165, New Hill, N.C. 27562-0165 WO# 239146  
Address Repair Organization P.O. No., Job No., etc.
3. Work Performed By Progress Energy 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 RH - Residual Heat Removal
- 5 (a) Applicable Construction Code ASME Section III 1974 Edition, Winter '76 Addenda, See N1 Code Case  
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1989, Addenda N/A
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	PSA	18600	NA	RH-H-316B PN 76100700	1981	Replaced	No
Snubber	PSA	16415	NA	RH-H-316B PN 76100700	1981	Replacement	No

7. Description of Work: Replaced snubber on hanger RH-H-316B.
8. Tests Conducted: Hydrostatic  Pneumatic  Nominal Operation 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 in numbered and the number of sheet is recorded at the top of this form.

FORM NIS-2 (Back)

9. Remarks Performed preservice VT-3 on hanger after snubber replacement.

Applicable Manufacturer's Data Reports to be attached.

N1 - See N-5 Data Report for Code Cases

CERTIFICATION OF COMPLIANCE

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

Type Code Symbol Stamp N/A

Certificate of Authorization No. N/A

Expiration Date N/A

Signed *Dogjin Song* for Equipment Performance Supervisor Date 6/27/03  
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 Connecticut of Hartford, Connecticut have inspected the components described in this Owner's Report during the period of 12/15/01 to 05/18/03, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

*Randy J. Jones*  
Inspector's Signature

Commissions NB 9931, NC 1507, ABIN NS  
National Board, State, Province, and Endorsements

Date 6/27/03

11/18/81 DA  
6127/03

**FORM NPS-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. Manufactured for S Holding 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 Load Capacity Data Sheet	(e) Type of Component Support	(f) Class	(g) Natl Board No.	(h) Year Built
(1) 16308-16455	None	1901.06-05-JR DR-1350-Rev. B		Linear	1	None	1961
(2)							
(3)							
(4)							
(5)							
(6)							
(7)							
(8)							
(9)							
(10)							

5. Remarks

**CERTIFICATE OF COMPLIANCE**

I hereby 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)

Date 11/18/81 Signed Pacific Scientific by Rosalie A. Nava  
(NPT Certificate Holder)

For ASME Certification of Authorization No. 1198 I use the Component Support (NPT)

Serial Report No. Aug. 4, 1961  
(Date)

**CERTIFICATION OF DESIGN**

Design Information on file at Pacific Scientific

Stress Report and Load Capacity Data Sheets on file at Pacific Scientific  
Filed per ASME 3256

Design Information Certified by Leo E. Ay PE State California  
Reg. No. 13533

Stress Analysis Report and Load Capacity Data Sheets Certified by Leo E. Ay

Location California Reg. No. 13533

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 this Data Report is included on each sheet, and (3) each sheet is numbered and number of sheets is recorded at top of each page.

11/18/81  
6127/03

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 3/10 and state that to the best of my knowledge and belief the NPI 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 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 NPI 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.)

W. J. R. 4/27/83

REPAIR/REPLACEMENT SYNOPSIS

DATE 07/14/03, REV. 0

Repair  Replacement

R/R No. 03-02-002

Suitability Evaluation Required  Yes  No  
(including failed items)

EC No. N/A

W/O No. 239152

1. SYSTEM NAME MS - Main Steam NB No. 59

CONSTRUCTION CODE ASME Section III Edition 1974 Addenda W76 Code Class 2

CODE CASE See N-5 Data Report

2. COMPONENT NAME Hanger/Snubber Tag No. MS-H-92A

OLD COMPONENT

NEW COMPONENT

P.O. No./Catalog ID. NA P.O. No./Catalog ID. NA

Year Built 1980 Code Stamp No Year Built 1981 Code Stamp No

Const. Code ASME III Edition 1977 Addenda S78 Const. Code ASME III Edition 1977 Addenda S78

Code Class 1 Code Cases 1644-6 Code Class 1 Code Cases 1644-6

NB No. NA NB No. NA

Manufacture Name PSA Manufacture Name PSA

Manufacture Serial No. 12496 Manufacture Serial No. 17516

3. DESCRIPTION OF WORK Replaced snubber on hanger MS-H-92A. The replacement snubber meets or exceeds the original code and design spec requirements. Therefore, suitable for replacement.

4. PRESERVICE INSPECTION REQUIREMENT

- MT - Mag. Part. Complete
- PT - Penetrant Complete
- RT - Radiography Complete
- UT - Ultrasonics Complete
- VT-3 Visual Complete

5. PROGRAM UPDATES REQUIRED

- ISI  Supports
- IST  ILRT/LLRT
- FAC  Other \_\_\_\_\_
- Check Valve

6. SYSTEM PRESSURE TEST REQUIREMENT

- Leakage
- Functional
- Inservice
- Hydrostatic
- Pneumatic

Nominal Operating Pressure  Yes  No  
 Elevated Pressure N/A psi  
 Test Temperature N/A °F  
 Applic. Code Ref. (or Code Case) N/A

7. ANI/ANII Review 04/27/03 Pre Work Start 04/27/03 Work Complete 05/08/03

8. NIS-2 Prepared 07/14/03 ANI/ANII 07/14/03 In Package 07/14/03

Note: Upon completion of the document, it is a completed QA record and is to be transmitted in accordance with RDC-NGGC-0001.

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 07/14/03  
Name  
P.O. Box 1551, Raleigh, N.C. 27602-1551 Sheet 1 of 4  
Address
2. Plant Shearon Harris Nuclear Power Plant Unit 1  
Name  
P.O. Box 165, New Hill, N.C. 27562-0165 WO# 239152  
Address Repair Organization P.O. No., Job No., etc.
3. Work Performed By Progress Energy 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 MS - Main Steam
- 5 (a) Applicable Construction Code ASME Section III 1974 Edition, Winter '76 Addenda, See N1 Code Case  
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1989, Addenda N/A
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	PSA	12496	NA	MS-H-92A	1980	Replaced	No
Snubber	PSA	17516	NA	MS-H-92A	1981	Replacement	No

7. Description of Work: Replaced snubber on hanger MS-H-92A.
8. Tests Conducted: Hydrostatic  Pneumatic  Nominal Operation 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 in numbered and the number of sheet is recorded at the top of this form.

FORM NIS-2 (Back)

9. Remarks Performed preservice VT-3 on hanger after snubber replacement.

Applicable Manufacturer's Data Reports to be attached.

N1 - See N-5 Data Report for Code Cases

CERTIFICATION OF COMPLIANCE

We certify that the statements made in the report are correct and this replacement conforms to the rules of the  
repair or replacement

ASME Code, Section XI.

Type Code Symbol Stamp N/A

Certificate of Authorization No. N/A

Expiration Date N/A

Signed *Debra King* Equipment Performance Supervisor

Date 7/14/03

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 Connecticut of Hartford, Connecticut have inspected the components described in this Owner's Report during the period of 12/15/01 to 05/18/03, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this 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.

*Larry D. Jones*  
Inspector's Signature

Commissions NB 9931, NC 1507, ABIN NS

National Board, State, Province, and Endorsements

Date 7/14/03

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

17516

1. Manufactured by Pacific Scientific 1346 S. State College Blvd. Anaheim, Ca. 92803

Southwest Fabricatings & Welding Co., Inc. (Name and address of NPT Certificate Holder)

Wb # 239152  
Sheet 3 of 4

2. Manufacturer for 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 Capa- city Data Sheet	(e) Type of Component Support	(f) Class	(g) Net'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

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-G

Date 5/14/78

Signed Pacific Scientific  
(NPT Certificate Holder)

by Frankie A. Nava  
(Date)

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

*Signature*  
7/14/83

4170  
0731

### 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 ESB&I Co. of Hartford, CT

have inspected the component supports described in this Data Report on 5-14  
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 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 \_\_\_\_\_

\_\_\_\_\_ 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 accord-  
ance 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.)

*WDM*  
7/14/83

REPAIR/REPLACEMENT SYNOPSIS

DATE 06/30/03, REV. 0

Repair  Replacement

R/R No. 03-02-103

Suitability Evaluation Required  Yes  No  
(including failed items)

EC No. N/A

W/O No. 239153

1. SYSTEM NAME MS - Main Steam NB No. 59  
CONSTRUCTION CODE ASME Section III Edition 1974 Addenda W76 Code Class 2  
CODE CASE See N-5 Data Report

2. COMPONENT NAME Hanger/Snubber Tag No. MS-H-7B

OLD COMPONENT

NEW COMPONENT

P.O. No./Catalog ID. 76153626 P.O. No./Catalog ID. 76153626

Year Built Unknown Code Stamp No Year Built Unknown Code Stamp No

Const. Code CAR-SH- Edition NA Addenda NA Const. Code ASME III Edition 1974 Addenda W76  
M-30

Code Class \_\_\_\_\_ Code Cases NA Code Class \_\_\_\_\_ Code Cases 1644-5, 1686

NB No. NA NB No. NA

Manufacture Name PSA Manufacture Name PSA

Manufacture Serial No. 1892 Manufacture Serial No. 657

3. DESCRIPTION OF WORK Replaced snubber on hanger MS-H-7B. The replacement snubber meets or exceeds the original code and design spec requirements. Therefore, suitable for replacement.

4. PRESERVICE INSPECTION REQUIREMENT

- MT - Mag. Part. Complete
- PT - Penetrant Complete
- RT - Radiography Complete
- UT - Ultrasonics Complete
- VT-3 Visual Complete

5. PROGRAM UPDATES REQUIRED

- ISI  Supports
- IST  ILRT/LLRT
- FAC  Other \_\_\_\_\_
- Check Valve

6. SYSTEM PRESSURE TEST REQUIREMENT

- Leakage
- Functional
- Inservice
- Hydrostatic
- Pneumatic

Nominal Operating Pressure  Yes  No

Elevated Pressure N/A psi

Test Temperature N/A °F

Applic. Code Ref. (or Code Case) N/A

7. ANI/ANII Review 04/26/03 Pre Work Start 04/26/03 Work Complete 05/15/03

8. NIS-2 Prepared 06/30/03 ANI/ANII 07/07/03 In Package 07/08/03

Note: Upon completion of the document, it is a completed QA record and is to be transmitted in accordance with RDC-NGGC-0001.



FORM NIS-2 (Back)

9. Remarks Performed preservice VT-3 on hanger after snubber replacement.

Applicable Manufacturer's Data Reports to be attached.

N1 - See N-5 Data Report for Code Cases

CERTIFICATION OF COMPLIANCE

We certify that the statements made in the report are correct and this replacement conforms to the rules of the repair or replacement

ASME Code, Section XI.

Type Code Symbol Stamp N/A

Certificate of Authorization No. N/A

Expiration Date N/A

Signed Dajun Song  
Owner or Owner's Designee Title

for Equipment Performance Supervisor

Date 6/30/03

CERTIFICATE OF INSERVICE INSPECTION

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 Connecticut of Hartford, Connecticut have inspected the components described in this Owner's Report during the period of 12/15/01 to 05/18/03, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this 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.

Sam J. Jones  
Inspector's Signature

Commissions NB 9931, NC 1507, ABIN NS

National Board, State, Province, and Endorsements

Date 7/7/03

**Kin-Tech Division**  
Date: July 19, 1970



Wo # 239153  
Sheet 3 of 3

CERTIFICATE OF COMPLIANCE

<u>BERGEN PATERSON PIPESUPPORT CORP.</u> Customer	<u>C-26006-12</u> Customer P.O.
<u>1801119-09 PSA-100 Snubbers</u> Part Number(s)	<u>ANC 30448-02</u> PSCo ANC(s)
<u>20</u> Quantity Shipped	<u>649-668</u> Serial Number(s)

We, Pacific Scientific, certify that the materials supplied on the referenced order comply with all the requirements of ASME Section III, Subsection NF.

We also certify that the fabrication complies with the requirements of ASME Section III, Subsection NF, with the following exceptions:

N-Stamping not required and third party inspection not required.

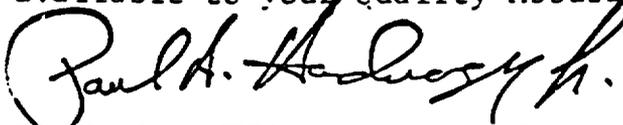
Code cases applicable: 1644-5 and 1686.

Edition: 1974, Addenda: Winter 1976 (Note 1.)

Note: 1. Current Manufacturing complies with the 1974 Edition and all of the mandatory addenda through the winter of 1976. We, certify that the addenda required after the 1974 Edition does not degrade the product below the level of requirements stated in the applicable drawings and/or specifications.

Documentation Packages will not be prepared.

The information is on file at our facility and will be made available to your Quality Assurance Auditors for their review.



P.A. Hagnagy, Q.A. Manager

Subscribed and sworn to before me

this \_\_\_\_\_ day of \_\_\_\_\_.

\_\_\_\_\_  
(Notary)

Form #213 4/19/76

*Handwritten note:* ASDQ, April 7/7/03

REPAIR/REPLACEMENT SYNOPSIS

DATE 07/14/03, REV. 0

Repair  Replacement

R/R No. 03-02-001

Suitability Evaluation Required  Yes  No  
(including failed items)

EC No. N/A

W/O No. 239157

1. SYSTEM NAME AF - Auxiliary Feedwater NB No. 49

CONSTRUCTION CODE ASME Section III Edition 1974 Addenda W76 Code Class 2

CODE CASE See N-5 Data Report

2. COMPONENT NAME Hanger/Snubber Tag No. AF-H-670

OLD COMPONENT

NEW COMPONENT

P.O. No./Catalog ID. NA P.O. No./Catalog ID. NA

Year Built 1981 Code Stamp No Year Built 1980 Code Stamp No

Const. Code ASME III Edition 1977 Addenda S78 Const. Code ASME III Edition 1977 Addenda S78

Code Class 1 Code Cases 1644-6 Code Class 1 Code Cases 1644-6

NB No. NA NB No. NA

Manufacture Name PSA Manufacture Name PSA

Manufacture Serial No. 17563 Manufacture Serial No. 12486

3. DESCRIPTION OF WORK Replaced snubber on hanger AF-H-670. The replacement snubber meets or exceeds the original code and design spec requirements. Therefore, suitable for replacement.

4. PRESERVICE INSPECTION REQUIREMENT

- MT - Mag. Part. Complete
- PT - Penetrant Complete
- RT - Radiography Complete
- UT - Ultrasonics Complete
- VT-3 Visual Complete

5. PROGRAM UPDATES REQUIRED

- ISI  Supports
- IST  ILRT/LLRT
- FAC  Other \_\_\_\_\_
- Check Valve

6. SYSTEM PRESSURE TEST REQUIREMENT

- Leakage
- Functional
- Inservice
- Hydrostatic
- Pneumatic

Nominal Operating Pressure  Yes  No  
 Elevated Pressure N/A psi  
 Test Temperature N/A °F  
 Applic. Code Ref. (or Code Case) N/A

7. ANI/ANII Review 04/30/03 Pre Work Start 04/30/03 Work Complete 05/08/03

8. NIS-2 Prepared 07/14/03 ANI/ANII 07/14/03 In Package 07/14/03

Note: Upon completion of the document, it is a completed QA record and is to be transmitted in accordance with RDC-NGGC-0001.

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 07/14/03  
Name  
P.O. Box 1551, Raleigh, N.C. 27602-1551 Sheet 1 of 4  
Address
2. Plant Shearon Harris Nuclear Power Plant Unit 1  
Name  
P.O. Box 165, New Hill, N.C. 27562-0165 WO# 239157  
Address Repair Organization P.O. No., Job No., etc.
3. Work Performed By Progress Energy 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 AF - Auxiliary Feedwater
- 5 (a) Applicable Construction Code ASME Section III 1974 Edition, Winter '76 Addenda, See N1 Code Case  
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1989, Addenda N/A
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	PSA	17563	NA	AF-H-591	1981	Replaced	No
Snubber	PSA	12486	NA	AF-H-591	1980	Replacement	No

7. Description of Work: Replaced snubber on hanger AF-H-591.
8. Tests Conducted: Hydrostatic  Pneumatic  Nominal Operation 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 in numbered and the number of sheet is recorded at the top of this form.

FORM NIS-2 (Back)

9. Remarks Performed preservice VT-3 on hanger after snubber replacement.

Applicable Manufacturer's Data Reports to be attached.

N1 - See N-5 Data Report for Code Cases

CERTIFICATION OF COMPLIANCE

We certify that the statements made in the report are correct and this replacement conforms to the rules of the  
repair or replacement

ASME Code, Section XI.

Type Code Symbol Stamp N/A

Certificate of Authorization No. N/A

Expiration Date N/A

Signed Dwayne Gray Equipment Performance Supervisor

Date 7/14/03

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 Connecticut of Hartford, Connecticut have inspected the components described in this Owner's Report during the period of 12/15/01 to 05/18/03, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this 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.

Sam J. Jones  
Inspector's Signature

Commissions NB 9931, NC 1507, ABIN NS

National Board, State, Province, and Endorsements

Date 7/14/03

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

12484  
NO# 29157  
sheet 3 of 4

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)

3. Location of Installation Carolina Power & Light 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) 12473-12614	None	1801106-05-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  
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, 1990  
(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 17A 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.

*[Signature]*  
7/14/83

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 5/9 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 5/9/80

Signed William Meyer

Commissions Co # 1494

(Natl 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 \_\_\_\_\_

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 \_\_\_\_\_

(Natl Bd., State, Prov., and No.)

220  
7/14/03

REPAIR/REPLACEMENT SYNOPSIS

DATE 06/27/03, REV. 0

Repair  Replacement

R/R No. 03-02-053

Suitability Evaluation Required  Yes  No  
(including failed items)

EC No. N/A

W/O No. 239168

1. SYSTEM NAME CT - Containment Spray NB No. 63

CONSTRUCTION CODE ASME Section III Edition 1974 Addenda W76 Code Class 2

CODE CASE See N-5 Data Report

2. COMPONENT NAME Hanger/Snubber Tag No. CT-H-290D

OLD COMPONENT

NEW COMPONENT

P.O. No./Catalog ID. 76100742 P.O. No./Catalog ID. 76100742

Year Built 1980 Code Stamp No Year Built 1982 Code Stamp No

Const. Code ASME III Edition 1977 Addenda S78 Const. Code ASME III Edition 1977 Addenda W78

Code Class 1 Code Cases 1644-6 Code Class 1 Code Cases 1644-7

NB No. NA NB No. NA

Manufacture Name PSA Manufacture Name PSA

Manufacture Serial No. 10974 Manufacture Serial No. 24874

3. DESCRIPTION OF WORK Replaced snubber on hanger CT-H-290D. The replacement snubber meets or exceeds the original code and design spec requirements. Therefore, suitable for replacement.

4. PRESERVICE INSPECTION REQUIREMENT

- MT - Mag. Part. Complete
- PT - Penetrant Complete
- RT - Radiography Complete
- UT - Ultrasonics Complete
- VT-3 Visual Complete

5. PROGRAM UPDATES REQUIRED

- ISI
- IST
- FAC
- Check Valve
- Supports
- ILRT/LLRT
- Other \_\_\_\_\_

6. SYSTEM PRESSURE TEST REQUIREMENT

- Leakage
- Functional
- Inservice
- Hydrostatic
- Pneumatic

Nominal Operating Pressure  Yes  No

Elevated Pressure N/A psi

Test Temperature N/A °F

Applic. Code Ref. (or Code Case) N/A

7. ANI/ANII Review 05/02/03 Pre Work Start 05/02/03 Work Complete 05/08/03

8. NIS-2 Prepared 06/27/03 ANI/ANII 06/27/03 In Package 07/03/03

Note: Upon completion of the document, it is a completed QA record and is to be transmitted in accordance with RDC-NGGC-0001.

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 06/27/03  
Name  
P.O. Box 1551, Raleigh, N.C. 27602-1551 Sheet 1 of 4  
Address
2. Plant Shearon Harris Nuclear Power Plant Unit 1  
Name  
P.O. Box 165, New Hill, N.C. 27562-0165 WO# 239168  
Address Repair Organization P.O. No., Job No., etc.
3. Work Performed By Progress Energy 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 CT - Containment Spray
- 5 (a) Applicable Construction Code ASME Section III 1974 Edition, Winter '76 Addenda, See N1 Code Case  
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1989, Addenda N/A
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	PSA	10974	NA	CT-H-290D PN 76100742	1980	Replaced	No
Snubber	PSA	24874	NA	CT-H-290D PN 76100742	1982	Replacement	No

7. Description of Work: Replaced snubber on hanger CT-H-290D.
8. Tests Conducted: Hydrostatic  Pneumatic  Nominal Operation 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 sheet is recorded at the top of this form.

FORM NIS-2 (Back)

9. Remarks Performed preservice VT-3 on hanger after snubber replacement.  
Applicable Manufacturer's Data Reports to be attached.  
N1 - See N-5 Data Report for Code Cases

CERTIFICATION OF COMPLIANCE

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

Type Code Symbol Stamp N/A  
Certificate of Authorization No. N/A Expiration Date N/A  
Signed [Signature] for Equipment Performance Supervisor Date 6/27/03  
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 Connecticut of Hartford, Connecticut have inspected the components described in this Owner's Report during the period of 12/15/01 to 05/18/03, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this 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 9931, NC 1507, ABIN NS  
Inspector's Signature National Board, State, Province, and Endorsements  
Date 6/27/03

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

~~Kin-Tech-Division~~

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) Designation	(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)	24791	None	1801106-05-J	DR 1415 Rev.0	Linear	1	None	1982
(2)	thru							
(3)	24910							
(4)								
(5)								
(6)								
(7)								
(8)								
(9)								
(10)								

5 Remarks Inspection Test Reports, OMR'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

Code Case No. 1644-7 (Date)

Date 8/19/83 Signed Pacific Scientific by Joseph A. Nava  
(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

(1) Last name only, signature not required

ITT GRINNELL CORP.  
Warren, Quality Assurance  
AUG 26 1982

\*Supplemental sheets in form of lists, sketches or drawings may be used provided (1) size is B<sup>+</sup>, 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 recorded at top of this form

REVISED  
D.A. 6/21/83

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 HSBIET Co. of Hartford, CT

have inspected the component supports described in this Data Report on AUG 20 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 AUG 20 1982

Signed Cirilo F. Reyes Commissions RA 1526 / 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.)

*Handwritten signature and date:*  
Ray, Paul  
8/21/82

REPAIR/REPLACEMENT SYNOPSIS

DATE 06/27/03, REV. 0

Repair  Replacement

R/R No. 03-02-054

Suitability Evaluation Required  Yes  No  
(including failed items)

EC No. N/A

W/O No. 239170

1. SYSTEM NAME CT - Containment Spray NB No. 63

CONSTRUCTION CODE ASME Section III Edition 1974 Addenda W76 Code Class 2

CODE CASE See N-5 Data Report

2. COMPONENT NAME Hanger/Snubber Tag No. CT-H-290C

OLD COMPONENT

NEW COMPONENT

P.O. No./Catalog ID. 76100742 P.O. No./Catalog ID. 76100742

Year Built 1980 Code Stamp No Year Built 1980 Code Stamp No

Const. Code ASME III Edition 1977 Addenda S78 Const. Code ASME III Edition 1977 Addenda S78

Code Class 1 Code Cases 1644-6 Code Class 1 Code Cases 1644-6

NB No. NA NB No. NA

Manufacture Name PSA Manufacture Name PSA

Manufacture Serial No. 10932 Manufacture Serial No. 8802

3. DESCRIPTION OF WORK Replaced snubber on hanger CT-H-290C. The replacement snubber meets or exceeds the original code and design spec requirements. Therefore, suitable for replacement.

4. PRESERVICE INSPECTION REQUIREMENT

- MT - Mag. Part. Complete
- PT - Penetrant Complete
- RT - Radiography Complete
- UT - Ultrasonics Complete
- VT-3 Visual Complete

5. PROGRAM UPDATES REQUIRED

- ISI  Supports
- IST  ILRT/LLRT
- FAC  Other
- Check Valve

6. SYSTEM PRESSURE TEST REQUIREMENT

- Leakage
- Functional
- Inservice
- Hydrostatic
- Pneumatic

Nominal Operating Pressure  Yes  No

Elevated Pressure N/A psi

Test Temperature N/A °F

Applic. Code Ref. (or Code Case) N/A

7. ANI/ANII Review 05/02/03 Pre Work Start 05/02/03 Work Complete 05/08/03

8. NIS-2 Prepared 06/27/03 ANI/ANII 06/27/03 In Package 07/03/03

Note: Upon completion of the document, it is a completed QA record and is to be transmitted in accordance with RDC-NGGC-0001.

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 06/27/03  
Name  
P.O. Box 1551, Raleigh, N.C. 27602-1551 Sheet 1 of 4  
Address
2. Plant Shearon Harris Nuclear Power Plant Unit 1  
Name  
P.O. Box 165, New Hill, N.C. 27562-0165 WO# 239170  
Address Repair Organization P.O. No., Job No., etc.
3. Work Performed By Progress Energy 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 CT - Containment Spray
- 5 (a) Applicable Construction Code ASME Section III 1974 Edition, Winter '76 Addenda, See N1 Code Case  
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1989, Addenda N/A
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	PSA	10932	NA	CT-H-290C PN 76100742	1980	Replaced	No
Snubber	PSA	8802	NA	CT-H-290C PN 76100742	1980	Replacement	No

7. Description of Work: Replaced snubber on hanger CT-H-290C.
8. Tests Conducted: Hydrostatic  Pneumatic  Nominal Operation 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 in numbered and the number of sheet is recorded at the top of this form.

FORM NIS-2 (Back)

9. Remarks Performed preservice VT-3 on hanger after snubber replacement.

Applicable Manufacturer's Data Reports to be attached.

N1 - See N-5 Data Report for Code Cases

CERTIFICATION OF COMPLIANCE

We certify that the statements made in the report are correct and this replacement conforms to the rules of the  
repair or replacement

ASME Code, Section XI.

Type Code Symbol Stamp N/A

Certificate of Authorization No. N/A

Expiration Date N/A

Signed Daylor Hargis for Equipment Performance Supervisor

Date 6/27/03

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 Connecticut of Hartford, Connecticut have inspected the components described in this Owner's Report during the period of 12/15/01 to 05/18/03, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this 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.

Sandy D. Jones  
Inspector's Signature

Commissions

NB 9931, NC 1507, ABIN NS

National Board, State, Province, and Endorsements

Date 6/27/03

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

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  
 Manufactured for: Carolina Power & Light Co., Agents for: Shearon Harris Nuclear Plants Newhill, Wake County, N. Carolina 27562  
 (Name and address of purchaser or owner)

(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) Natl Board No.	(h) Year Built
8756-2813	None	1901104-07-H	DR-1347-Rev. B	Linear	I	None	1980
(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 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: 14 May 1980 Signed: Pacific Scientific by: Bill Jenkins  
 (NPT Certificate Holder) 1198  
 (Date)

Use ASME Certificate of Authorization No. \_\_\_\_\_ to use the \_\_\_\_\_ Component Supports (NPT)

Valid until: Aug. 4, 1980

**CERTIFICATION OF DESIGN**

Design information on file at: Pacific Scientific

Stress Report or Load Capacity Data Sheets on file at: Pacific Scientific  
 Filed No. DR 3256

Design Specification Certified by: Leo E. Ay of State California

Reg. No. 1198

Stress Report or Load Capacity Data Sheets Certified by: Leo E. Ay  
 State California Reg. No. 13533

\*Last name and 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, 3, 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.

*Bill Jenkins*  
6/27/80

CERTIFICATE OF SHOP INSPECTION

The undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State of  
CONNECTICUT and employed by  
ESRI&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 NBI 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

5/14/80

William Meyer

Commissioner

Co. #1499

(NBI 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 of  
CONNECTICUT and employed by

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 NBI 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

W. R. R. II  
6/27/83

REPAIR/REPLACEMENT SYNOPSIS

DATE 06/27/03, REV. 0

Repair  Replacement

R/R No. 03-02-056

Suitability Evaluation Required  Yes  No  
(including failed items)

EC No. N/A

W/O No. 239173

1. SYSTEM NAME CS - Chemical Volume Control NB No. 48

CONSTRUCTION CODE ASME Section III Edition 1974 Addenda W76 Code Class 2

CODE CASE See N-5 Data Report

2. COMPONENT NAME Hanger/Snubber Tag No. CS-H-402

OLD COMPONENT

NEW COMPONENT

P.O. No./Catalog ID. 76100742 P.O. No./Catalog ID. 76100742

Year Built 1981 Code Stamp No Year Built 1980 Code Stamp No

Const. Code ASME III Edition 1977 Addenda S78 Const. Code ASME III Edition 1977 Addenda S78

Code Class 1 Code Cases 1644-6 Code Class 1 Code Cases 1644-6

NB No. NA NB No. NA

Manufacture Name PSA Manufacture Name PSA

Manufacture Serial No. 16099 Manufacture Serial No. 11013

3. DESCRIPTION OF WORK Replaced snubber on hanger CS-H-402. The replacement snubber meets or exceeds the original code and design spec requirements. Therefore, suitable for replacement.

4. PRESERVICE INSPECTION REQUIREMENT

- MT - Mag. Part. Complete
- PT - Penetrant Complete
- RT - Radiography Complete
- UT - Ultrasonics Complete
- VT-3 Visual Complete

5. PROGRAM UPDATES REQUIRED

- ISI  Supports
- IST  ILRT/LLRT
- FAC  Other \_\_\_\_\_
- Check Valve

6. SYSTEM PRESSURE TEST REQUIREMENT

- Leakage
- Functional
- Inservice
- Hydrostatic
- Pneumatic

Nominal Operating Pressure  Yes  No

Elevated Pressure N/A psi

Test Temperature N/A °F

Applic. Code Ref. (or Code Case) N/A

7. ANI/ANII Review 04/30/03 Pre Work Start 04/30/03 Work Complete 05/08/03

8. NIS-2 Prepared 06/27/03 ANI/ANII 06/27/03 In Package 07/03/03

Note: Upon completion of the document, it is a completed QA record and is to be transmitted in accordance with RDC-NGGC-0001.

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 06/27/03  
Name  
P.O. Box 1551, Raleigh, N.C. 27602-1551 Sheet 1 of 4  
Address
2. Plant Shearon Harris Nuclear Power Plant Unit 1  
Name  
P.O. Box 165, New Hill, N.C. 27562-0165 WO# 239173  
Address Repair Organization P.O. No., Job No., etc.
3. Work Performed By Progress Energy 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 CS - Chemical Volume Control
- 5 (a) Applicable Construction Code ASME Section III 1974 Edition, Winter '76 Addenda, See N1 Code Case  
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1989, Addenda N/A
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	PSA	16099	NA	CS-H-402 PN 76100742	1981	Replaced	No
Snubber	PSA	11013	NA	CS-H-402 PN 76100742	1980	Replacement	No

7. Description of Work: Replaced snubber on hanger CS-H-402.
8. Tests Conducted: Hydrostatic  Pneumatic  Nominal Operation 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 in numbered and the number of sheet is recorded at the top of this form.

FORM NIS-2 (Back)

9. Remarks Performed preservice VT-3 on hanger after snubber replacement.

Applicable Manufacturer's Data Reports to be attached.

N1 - See N-5 Data Report for Code Cases

CERTIFICATION OF COMPLIANCE

We certify that the statements made in the report are correct and this replacement conforms to the rules of the  
repair or replacement

ASME Code, Section XI.

Type Code Symbol Stamp N/A

Certificate of Authorization No. N/A

Expiration Date N/A

Signed Deyin Gong Equipment Performance Supervisor

Date 6/27/23

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 Connecticut of Hartford, Connecticut have inspected the components described in this Owner's Report during the period of 12/15/01 to 05/18/03, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this 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.

Sam J. Jones  
Inspector's Signature

Commissions NB 9931, NC 1507, ABIN NS

National Board, State, Province, and Endorsements

Date 6/27/23

FORM NPT NPT CERTIFICATE HOLDERS' DATA REPORT FOR COMPONENT SUPPORTS\*

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

DA 411  
10995  
WB# 239173  
Sheet 3 of 4

- Manufactured by Pacific Scientific 1346 S. State College Blvd. Anaheim, Ca. 92803  
(Name and address of NPT Certificate Holder)
- 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
- Location of Installation Shearon Harris Nuclear Plants, Newhill, Wake County, N. Carolina 27562
- Identification

(a) Component Support I.D. No.	(b) Canadian Registration No.	(c) Applicable Drawings with Last Rev. & Date	(d) Stress Report or Load Capacity Date Sheet	(e) Type of Component Support	(f) Class	(g) Nat'l Board No.	(h) Year Built
(1) 10913-	None	1801102-05-T	DR1351-A	Linear	1	None	1980
(2) 11117							
(3)							
(4)							
(5)							
(6)							
(7)							
(8)							
(9)							
(10)							

5. Remarks \_\_\_\_\_

4 2 9

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 23 May 1980 Signed Pacific Scientific by Bill Jenkins  
(NPT Certificate Holder)  
Our ASME Certificate of Authorization No. 1193 to use the Component Supports  
Symbol expires Aug. 4, 1981  
(Date)

CERTIFICATION OF DESIGN

Design Information on file at Pacific Scientific  
Stress Report or Load Capacity Date 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 Date 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.

*Bill Jenkins*  
6/2/80

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 and state that to the best of my knowledge and belief the NPI 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  
(Natl. Bd., State Prov., and Nat.)

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 NPI 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

Natl. Bd., State Prov., and Nat.

30

W. A. W. II  
6/27/03

REPAIR/REPLACEMENT SYNOPSIS

DATE 06/27/03, REV. 0

Repair  Replacement

R/R No. 03-02-057

Suitability Evaluation Required  Yes  No  
(including failed items)

EC No. N/A

W/O No. 239174

1. SYSTEM NAME CS - Chemical Volume Control NB No. 48  
CONSTRUCTION CODE ASME Section III Edition 1974 Addenda W76 Code Class 2  
CODE CASE See N-5 Data Report

2. COMPONENT NAME Hanger/Snubber Tag No. CS-H-432

OLD COMPONENT

NEW COMPONENT

P.O. No./Catalog ID. 76100700 P.O. No./Catalog ID. 76100700

Year Built 1983 Code Stamp No Year Built 1980 Code Stamp No

Const. Code ASME III Edition 1977 Addenda W78 Const. Code ASME III Edition 1977 Addenda S78

Code Class 1 Code Cases 1644-7 Code Class 1 Code Cases 1644-6

NB No. NA NB No. NA

Manufacture Name PSA Manufacture Name PSA

Manufacture Serial No. 18607 Manufacture Serial No. 12524

3. DESCRIPTION OF WORK Replaced snubber on hanger CS-H-432. The replacement snubber meets or exceeds the original code and design spec requirements. Therefore, suitable for replacement.

4. PRESERVICE INSPECTION REQUIREMENT

- MT - Mag. Part. Complete
- PT - Penetrant Complete
- RT - Radiography Complete
- UT - Ultrasonics Complete
- VT-3 Visual Complete

5. PROGRAM UPDATES REQUIRED

- ISI  Supports
- IST  ILRT/LLRT
- FAC  Other \_\_\_\_\_
- Check Valve

6. SYSTEM PRESSURE TEST REQUIREMENT

- Leakage
- Functional
- Inservice
- Hydrostatic
- Pneumatic

Nominal Operating Pressure  Yes  No

Elevated Pressure N/A psi

Test Temperature N/A °F

Applic. Code Ref. (or Code Case) N/A

7. ANI/ANII Review 04/30/03 Pre Work Start 04/30/03 Work Complete 05/08/03

8. NIS-2 Prepared 06/27/03 ANI/ANII 06/27/03 In Package 07/03/03

Note: Upon completion of the document, it is a completed QA record and is to be transmitted in accordance with RDC-NGGC-0001.

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 06/27/03  
Name  
P.O. Box 1551, Raleigh, N.C. 27602-1551 Sheet 1 of 4  
Address
2. Plant Shearon Harris Nuclear Power Plant Unit 1  
Name  
P.O. Box 165, New Hill, N.C. 27562-0165 WO# 239174  
Address Repair Organization P.O. No., Job No., etc.
3. Work Performed By Progress Energy 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 CS - Chemical Volume Control
- 5 (a) Applicable Construction Code ASME Section III 1974 Edition, Winter '76 Addenda, See N1 Code Case  
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1989, Addenda N/A
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	PSA	18607	NA	CS-H-432 PN 76100700	1983	Replaced	No
Snubber	PSA	12524	NA	CS-H-432 PN 76100700	1980	Replacement	No

7. Description of Work: Replaced snubber on hanger CS-H-432.
8. Tests Conducted: Hydrostatic  Pneumatic  Nominal Operation 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 in numbered and the number of sheet is recorded at the top of this form.

FORM NIS-2 (Back)

9. Remarks Performed preservice VT-3 on hanger after snubber replacement.

Applicable Manufacturer's Data Reports to be attached.

N1 - See N-5 Data Report for Code Cases

CERTIFICATION OF COMPLIANCE

We certify that the statements made in the report are correct and this replacement conforms to the rules of the repair or replacement

ASME Code, Section XI.

Type Code Symbol Stamp N/A

Certificate of Authorization No. N/A

Expiration Date N/A

Signed [Signature] for Equipment Performance Supervisor

Date 6/27/03

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 Connecticut of Hartford, Connecticut have inspected the components described in this Owner's Report during the period of 12/15/01 to 05/18/03, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this 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 9931, NC 1507, ABIN NS  
National Board, State, Province, and Endorsements

Date 6/27/03

**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

*D. Jenkins*  
12473  
work 239174  
sheet 3 of 4

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.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) 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

Code Case No. 1644-6

Date 9 MAY 1980

Signed \_\_\_\_\_

Pacific Scientific

(NPT Certificate Holder)

by Bill Jenkins

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 (11) \_\_\_\_\_

Leo E. Ay

PE State, \_\_\_\_\_

California

Reg No. 13533

Stress Analysis Report or Load Capacity Data Sheets Certified by (11) \_\_\_\_\_

Leo E. Ay

PE State \_\_\_\_\_

California

Reg No. \_\_\_\_\_

13533

(11) 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.

*Bill Jenkins*  
4/27/80

239174

CERTIFICATE OF SHOP INSPECTION

Sheet 4 of 4

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 5/9 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

(Natl Bd, State Prov., and No 1)

459

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 \_\_\_\_\_

(Natl Bd, State Prov., and No 1)

W. A. A. 11  
6/27/83

REPAIR/REPLACEMENT SYNOPSIS

DATE 06/27/03, REV. 0

Repair  Replacement

R/R No. 03-02-058

Suitability Evaluation Required  Yes  No  
(including failed items)

EC No. N/A

W/O No. 239464

1. SYSTEM NAME SI - Safety Injection NB No. 46

CONSTRUCTION CODE ASME Section III Edition 1974 Addenda W76 Code Class 2

CODE CASE See N-5 Data Report

2. COMPONENT NAME Hanger/Snubber Tag No. SI-H-237

OLD COMPONENT

NEW COMPONENT

P.O. No./Catalog ID. 76100742 P.O. No./Catalog ID. 76100742

Year Built Unknown Code Stamp No Year Built 1981 Code Stamp No

Const. Code ASME III Edition 1974 Addenda W76 Const. Code ASME III Edition 1977 Addenda S78

Code Class                      Code Cases                      Code Class 1 Code Cases 1644-6

NB No. NA NB No. NA

Manufacture Name PSA Manufacture Name PSA

Manufacture Serial No. 7712 Manufacture Serial No. 15641

3. DESCRIPTION OF WORK Replaced snubber on hanger SI-H-237. The replacement snubber meets or exceeds the original code and design spec requirements. Therefore, suitable for replacement.

4. PRESERVICE INSPECTION REQUIREMENT

- MT - Mag. Part. Complete
- PT - Penetrant Complete
- RT - Radiography Complete
- UT - Ultrasonics Complete
- VT-3 Visual Complete

5. PROGRAM UPDATES REQUIRED

- ISI
- IST
- FAC
- Check Valve
- Supports
- ILRT/LLRT
- Other

6. SYSTEM PRESSURE TEST REQUIREMENT

- Leakage
  - Functional
  - Inservice
  - Hydrostatic
  - Pneumatic
- Nominal Operating Pressure  Yes  No  
Elevated Pressure N/A psi  
Test Temperature N/A °F  
Applic. Code Ref. (or Code Case) N/A

7. ANI/ANII Review 05/01/03 Pre Work Start 05/01/03 Work Complete 05/08/03

8. NIS-2 Prepared 06/27/03 ANI/ANII 06/27/03 In Package 07/03/03

Note: Upon completion of the document, it is a completed QA record and is to be transmitted in accordance with RDC-NGGC-0001.



FORM NIS-2 (Back)

9. Remarks Performed preservice VT-3 on hanger after snubber replacement.

Applicable Manufacturer's Data Reports to be attached.

N1 - See N-5 Data Report for Code Cases

CERTIFICATION 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 Equipment Performance Supervisor

Date 6/27/03

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 Connecticut of Hartford, Connecticut have inspected the components described in this Owner's Report during the period of 12/15/01 to 05/18/03, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this 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.

Sally J. Jones  
Inspector's Signature

Commissions NB 9931, NC 1507, ABIN NS

National Board, State, Province, and Endorsements

Date 6/27/03

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

DA 6/21/03  
15666  
W04 239464  
sheet 3 of 4

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

Manufacturer for Welding Co., Inc. P.O. Box 9449 Houston, Texas  
(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 Capa- city Data Sheet	(e) Type of Component Support	(f) Class	(g) Npt Board No.	(h) Year Built
(1) 15583-15592, None		1801102-05-K	DR-1351-Rev. A	Linear	1	None	1981
(2) 15594, 15596-	"	"	"	"	"	"	"
(3) 15597, 15599-15604, "	"	"	"	"	"	"	"
(4) 15605-15610, 15612-	"	"	"	"	"	"	"
(5) 15635, 15637-15652, "	"	"	"	"	"	"	"
(6) 15654-15671	"	"	"	"	"	"	"
(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

Code Case No. 1546-E (Date)

Dated 5/15/81 Signed Pacific Scientific by Frank G. Wanta  
(NPT Certificate Holder)

Use ASME Certificate of Authorization No. N-1198 to use the Component Supports  
(NPT)

Symbol expires Aug. 4, 1981  
(Date)

CERTIFICATION OF DESIGN

For Information on File at Pacific Scientific

With Report No. 1 Capacity Data Sheet on File at Pacific Scientific

ASME Code Case No. 1546-E  
Designed and certified by Leo E. Ay of State California

File No. 15583

Design and certification of Load Capacity Data Sheet: Certified by (1) Leo E. Ay

Product No. 15583 File No. 15583

1. The information on this page is not required.

2. Applicable ASME Code rules of design, analysis or drawings may be used provided (1) size is 8" x 11", (2) information in items 1-4 on this Data Report is included on each sheet, and (3) each sheet is numbered and number of sheets is recorded at top of sheet.

Leo E. Ay  
6/27/03

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 5-14-81 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 5-14-81

Signed William Meyer

Commission 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 \_\_\_\_\_

Commission \_\_\_\_\_

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

ADJ, Avil  
6/27/83

REPAIR/REPLACEMENT SYNOPSIS

DATE 07/14/03, REV. 0

Repair  Replacement

R/R No. 03-02-068

Suitability Evaluation Required  Yes  No  
(including failed items)

EC No. N/A

W/O No. 363823

1. SYSTEM NAME MS - Main Steam NB No. 59

CONSTRUCTION CODE ASME Section III Edition 1974 Addenda W76 Code Class 2

CODE CASE See N-5 Data Report

2. COMPONENT NAME Valve Tag No. 1MS-49

OLD COMPONENT

NEW COMPONENT

P.O. No./Catalog ID. 9220092242 P.O. No./Catalog ID. 9220092242

Year Built Unknown Code Stamp Yes Year Built Unknown Code Stamp Yes

Const. Code ASME III Edition 1971 Addenda W72 Const. Code ASME III Edition 1971 Addenda W72

Code Class 2 Code Cases NA Code Class 2 Code Cases NA

NB No. 846 NB No. 849

Manufacture Name Crosby Manufacture Name Crosby

Manufacture Serial No. N57374-00-0011 Manufacture Serial No. N57374-00-0014

3. DESCRIPTION OF WORK Replaced safety relief valve 1MS-49. The replacement is a like-for-like replacement. Therefore, suitable for replacement.

4. PRESERVICE INSPECTION REQUIREMENT

- MT - Mag. Part. Complete
- PT - Penetrant Complete
- RT - Radiography Complete
- UT - Ultrasonics Complete
- VT-2 Visual Complete

5. PROGRAM UPDATES REQUIRED

- ISI  Supports
- IST  ILRT/LLRT
- FAC  Other
- Check Valve

6. SYSTEM PRESSURE TEST REQUIREMENT

- Leakage
- Functional
- Inservice
- Hydrostatic
- Pneumatic

Nominal Operating Pressure  Yes  No

Elevated Pressure N/A psi

Test Temperature 551.7 °F

Applic. Code Ref. (or Code Case) N/A

7. ANI/ANII Review 04/27/03 Pre Work Start 04/27/03 Work Complete 06/15/03

8. NIS-2 Prepared 07/14/03 ANI/ANII 07/14/03 In Package 07/14/03

Note: Upon completion of the document, it is a completed QA record and is to be transmitted in accordance with RDC-NGGC-0001.

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 07/14/03  
Name  
P.O. Box 1551, Raleigh, N.C. 27602-1551 Sheet 1 of 4  
Address
2. Plant Shearon Harris Nuclear Power Plant Unit 1  
Name  
P.O. Box 165, New Hill, N.C. 27562-0165 WO# 363823  
Address Repair Organization P.O. No., Job No., etc.
3. Work Performed By Progress Energy 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 MS - Main Steam
- 5 (a) Applicable Construction Code ASME Section III 1974 Edition, Winter '76 Addenda, See N1 Code Case  
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1989, Addenda N/A
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	Crosby	N57374-00-0011	846	1MS-49 PN 9220092242	Unknown	Replaced	Yes
Valve	Crosby	N57374-00-0014	849	1MS-49 PN 9220092242	Unknown	Replacement	Yes

7. Description of Work: Replaced safety relief valve 1MS-49.
8. Tests Conducted: Hydrostatic  Pneumatic  Nominal Operation Pressure   
Other  Pressure \_\_\_\_\_psi Test Temp. 551.7°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 in numbered and the number of sheet is recorded at the top of this form.

FORM NIS-2 (Back)

9. Remarks Performed VT-2 on valve flange connection after valve replacement.

Applicable Manufacturer's Data Reports to be attached.

N1 - See N-5 Data Report for Code Cases

CERTIFICATION OF COMPLIANCE

We certify that the statements made in the report are correct and this replacement conforms to the rules of the repair or replacement

ASME Code, Section XI.

Type Code Symbol Stamp N/A

Certificate of Authorization No. N/A

Expiration Date N/A

Signed [Signature]

Owner or Owner's Designee, Title

Equipment Performance Supervisor

Date 7/14/03

CERTIFICATE OF INSERVICE INSPECTION

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 Connecticut of Hartford, Connecticut have inspected the components described in this Owner's Report during the period of 12/15/01 to 05/18/03, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this 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 9931, NC 1507, ABIN NS

National Board, State, Province, and Endorsements

Date 7/14/03

WO# 363823  
Sheet 3 of 4



**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  
G.C.-44C

**DATA REPORT**  
Safety and Safety Relief Valves

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

Model No. HA-75-FN Order No. N40643 Contract Date 11/28/73 National Board No. 849  
Ebasco Services Inc., 2 Rector Street Room 840

2. Manufactured For New York, New York Order No. NY-435038  
Name and Address

3. Owner Carolina Power & Light Co. - Shearon Harris Nuclear Power Station  
Name and Address

4. Location of Plant New Hill, Wake County - North Carolina

5. Valve Identification 2MS-R12SA-1 Serial No. N57374-00-0014 Drawing No. DS-C-57374 Rev. D  
Type Safety Orifice Size R Pipe Size --- Inlet 6 Outlet 10  
Safety, Safety Relief, Pilot, Power Actuated Inch Inch Inch Inch  
6. Set Pressure (PSIG) 1215 Rated Temperature 630 F  
Stamped Capacity 915,502 lbs/Hr. Sat @ 3 % Overpressure --- Blowdown (NONE) 5% of S.P.

Hydrostatic Test (PSIG) Inlet 1850 Complete Valve N/A

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

Component	Serial No. Identification	Material Specification Including Type or Grade
<del>XXXXXX</del> Forgings		
Body	<u>N90909-32-0004</u>	<u>ASME-SA105</u>
Bonnet	<u>N90917-33-0009</u>	<u>ASME-SA105</u>
8. Bar Stock and Forgings		
Support Rods		
Nozzle	<u>N90911-32-0017</u>	<u>ASME-SA182 Gr. F316</u>
Case Inset	<u>N91167-35-0079</u>	<u>ASME-SA182 Gr. F316</u>
Spring Washers	<u>N90919-32-0007</u> <u>N90920-32-0010</u>	<u>ASME-SA105</u>
Adjusting Bolt	<u>N93335-24-0140</u>	<u>ASME-SA193 Gr. B6</u>
Spindle	<u>N57208-48-0256</u>	<u>ASTM-A-193-73 Gr. B6</u> <u>ASME-SA193 Gr. B6</u>

773 (3081

	Serial No. or Identification	Material Specification Including Type or Grade
c. Spring K57295-35-0013	<u>EX7780-0096</u>	<u>ASTM-A-689-71</u>
d. <del>XXXXXX</del> Bearing Adapter	<u>N90087 52-0356</u>	<u>ASME-SA193 Gr. B6</u>
e. Other Parts such as Pilot Components		
<u>Bonnet Stud</u>	<u>N90913</u>	<u>ASME-SA193 Gr. B7</u>
<u>Bonnet Nut</u>	<u>N90914</u>	<u>ASME-SA193 Gr. 2H</u>
<u>Inlet Stud</u>	<u>N90915</u>	<u>ASME-SA193 Gr. B7</u>

7730092

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

Date 6/26/1980 Signed Crosby Valve & Gage Co. By [Signature]  
Manufacturer

Certificate of Authorization No. 1878 expires September 30, 1980

**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 7/16 1980 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 7/16 1980  
[Signature] (Inspector) Commission NB-7795  
National Board, State, Province and No.

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

REPAIR/REPLACEMENT SYNOPSIS

DATE 07/08/03, REV. 0

Repair  Replacement

R/R No. 03-02-087

Suitability Evaluation Required  Yes  No  
(including failed items)

EC No. N/A

W/O No. 404791

1. SYSTEM NAME SI - Safety Injection NB No. 46  
CONSTRUCTION CODE ASME Section III Edition 1974 Addenda W76 Code Class 2  
CODE CASE See N-5 Data Report

2. COMPONENT NAME Hanger/Snubber Tag No. SI-H-1160/1161

OLD COMPONENT

NEW COMPONENT

P.O. No./Catalog ID. <u>01491663/73286346</u>	P.O. No./Catalog ID. <u>01491663/73286346</u>
Year Built <u>Unknown</u> Code Stamp <u>No</u>	Year Built <u>Unknown</u> Code Stamp <u>No</u>
Const. Code * <u>          </u> Edition <u>NA</u> Addenda <u>NA</u>	Const. Code * <u>          </u> Edition <u>NA</u> Addenda <u>NA</u>
Code Class <u>          </u> Code Cases <u>NA</u>	Code Class <u>          </u> Code Cases <u>NA</u>
NB No. <u>NA</u>	NB No. <u>NA</u>
Manufacture Name <u>Unknown</u>	Manufacture Name <u>Dubose and Coloc Ind.</u>
Manufacture Serial No. <u>NA</u>	Manufacture Serial No. <u>NA</u>

3. DESCRIPTION OF WORK Replaced nut and round bar on hanger SI-H-1160/1161. \*Nut is ASTM A194 Gr. 2H (PO# 28526). \*Round bar is SA36 (PO# 131966 and HT# C9-2399). The replacement parts meet or exceed the original code and design spec requirements. Therefore, suitable for replacement.

4. PRESERVICE INSPECTION REQUIREMENT

MT - Mag. Part. Complete

PT - Penetrant Complete

RT - Radiography Complete

UT - Ultrasonics Complete

VT-3 Visual Complete

5. PROGRAM UPDATES REQUIRED

ISI  Supports

IST  ILRT/LLRT

FAC  Other           

Check Valve

6. SYSTEM PRESSURE TEST REQUIREMENT

Leakage

Functional

Inservice

Hydrostatic

Pneumatic

Nominal Operating Pressure  Yes  No

Elevated Pressure N/A psi

Test Temperature N/A °F

Applic. Code Ref. (or Code Case) N/A

7. ANI/ANII Review 05/08/03 Pre Work Start 05/08/03 Work Complete 05/19/03

8. NIS-2 Prepared 07/08/03 ANI/ANII 07/07/03 In Package 07/08/03

Note: Upon completion of the document, it is a completed QA record and is to be transmitted in accordance with RDC-NGGC-0001.

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 07/08/03  
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 WO# 404791  
Address Repair Organization P.O. No., Job No., etc.
3. Work Performed By Progress Energy 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 SI - Safety Injection
- 5 (a) Applicable Construction Code ASME Section III 1974 Edition, Winter '76 Addenda, See N1 Code Case  
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1989, Addenda N/A
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)
Nut	Unknown	NA	NA	PN 73286346 A194, Gr. 2H	Unknown	Replaced	No
Nut	Coloc Industries	NA	NA	PN 73286346 PO# 28526 A194, Gr. 2H	Unknown	Replacement	No
Round Bar	Unknown	NA	NA	PN 01491663 SA36	Unknown	Replaced	No
Round Bar	Dubose National	NA	NA	PN 01491663 PO# 131966 SA36	Unknown	Replacement	No

7. Description of Work: Replaced nut and round bar on hanger SI-H-1160/1161.
8. Tests Conducted: Hydrostatic  Pneumatic  Nominal Operation 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 in numbered and the number of sheet is recorded at the top of this form.

FORM NIS-2 (Back)

9. Remarks Performed preservice VT-3 on hanger after nut and round bar replacement.

Applicable Manufacturer's Data Reports to be attached.

N1 - See N-5 Data Report for Code Cases

CERTIFICATION OF COMPLIANCE

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

Type Code Symbol Stamp N/A

Certificate of Authorization No. N/A

Expiration Date N/A

Signed Deyin Song  
Owner or Owner's Designee Title

for Equipment Performance Supervisor

Date 7/8/03

CERTIFICATE OF INSERVICE INSPECTION

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 Connecticut of Hartford, Connecticut have inspected the components described in this Owner's Report during the period of 12/15/01 to 05/18/03, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this 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.

Sally D. Jones  
Inspector's Signature

Commissions

NB 9931, NC 1507, ABIN NS

National Board, State, Province, and Endorsements

Date 7/9/03

REPAIR/REPLACEMENT SYNOPSIS

DATE 06/27/03, REV. 0

Repair  Replacement

R/R No. 03-02-094

Suitability Evaluation Required  Yes  No  
(including failed items)

EC No. N/A

W/O No. 405058

1. SYSTEM NAME SI - Safety Injection NB No. 46

CONSTRUCTION CODE ASME Section III Edition 1974 Addenda W76 Code Class 2

CODE CASE See N-5 Data Report

2. COMPONENT NAME Hanger/Snubber Tag No. SI-H-1160A/B

OLD COMPONENT

NEW COMPONENT

P.O. No./Catalog ID. 76100742 P.O. No./Catalog ID. 76100742

Year Built 1980 Code Stamp No Year Built 1979/1980 Code Stamp No

Const. Code ASME III Edition 1977 Addenda S78 Const. Code ASME III Edition \*  Addenda \*

Code Class 1 Code Cases 1644-6 Code Class 1 Code Cases \*

NB No. NA NB No. NA

Manufacture Name PSA Manufacture Name PSA

Manufacture Serial No. A-11027 & B-10972 Manufacture Serial No. A-7750 & B-10932

3. DESCRIPTION OF WORK Replaced snubber on hanger SI-H-1160A/B. \*Snubber A - Built in 1979, 74 w/W76, and Code Case 1644-5. \*Snubber B - Built in 1980, 77 w/S78, and Code Case 1644-6. The replacement snubber meets or exceeds the original code and design spec requirements. Therefore, suitable for replacement.

4. PRESERVICE INSPECTION REQUIREMENT

- MT - Mag. Part. Complete
- PT - Penetrant Complete
- RT - Radiography Complete
- UT - Ultrasonics Complete
- VT-3 Visual Complete

5. PROGRAM UPDATES REQUIRED

- ISI  Supports
- IST  ILRT/LLRT
- FAC  Other
- Check Valve

6. SYSTEM PRESSURE TEST REQUIREMENT

- Leakage Nominal Operating Pressure  Yes  No
- Functional Elevated Pressure N/A psi
- Inservice Test Temperature N/A °F
- Hydrostatic
- Pneumatic Applic. Code Ref. (or Code Case) N/A

7. ANI/ANII Review 05/11/03 Pre Work Start 05/11/03 Work Complete 05/15/03

8. NIS-2 Prepared 06/27/03 ANI/ANII 06/27/03 In Package 07/03/03

Note: Upon completion of the document, it is a completed QA record and is to be transmitted in accordance with RDC-NGGC-0001.

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 06/27/03  
Name  
P.O. Box 1551, Raleigh, N.C. 27602-1551 Sheet 1 of 6 *7.2.2.12703*  
Address
2. Plant Shearon Harris Nuclear Power Plant Unit 1  
Name  
P.O. Box 165, New Hill, N.C. 27562-0165 WO# 405058  
Address Repair Organization P.O. No., Job No., etc.
3. Work Performed By Progress Energy 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 SI - Safety Injection
- 5 (a) Applicable Construction Code ASME Section III 1974 Edition, Winter '76 Addenda, See N1 Code Case  
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1989, Addenda N/A
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	PSA	11027	NA	SI-H-1160A PN 76100742	1980	Replaced	No
Snubber	PSA	7750	NA	SI-H-1160A PN 76100742	1979	Replacement	No
Snubber	PSA	10972	NA	SI-H-1160B PN 76100742	1980	Replaced	No
Snubber	PSA	10932	NA	SI-H-1160B PN 76100742	1980	Replacement	No

7. Description of Work: Replaced snubbers on hanger SI-H-1160A/B.
8. Tests Conducted: Hydrostatic  Pneumatic  Nominal Operation 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 in numbered and the number of sheet is recorded at the top of this form.

D. J. 6/27/03  
6

Sheet 2 of A

WO# 405058

R/R# 03-02-094

ASME XI, CLASS 2

FORM NIS-2 (Back)

9. Remarks Performed preservice VT-3 on hanger after snubber replacement.  
Applicable Manufacturer's Data Reports to be attached.

N1 - See N-5 Data Report for Code Cases

CERTIFICATION OF COMPLIANCE

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

Type Code Symbol Stamp N/A

Certificate of Authorization No. N/A

Expiration Date N/A

Signed [Signature] for Equipment Performance Supervisor

Date 6/27/03

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 Connecticut of Hartford, Connecticut have inspected the components described in this Owner's Report during the period of 12/15/01 to 05/18/03, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this 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 9931, NC 1507, ABIN NS  
National Board, State, Province, and Endorsements

Date 6/27/03

W04 405058

Sheet 3 of 6

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) 7723-7822	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 1974, Addenda Winter 1976

Code Case No. 1644-5

Date 26 September 1979 Signed Pacific Scientific  
NPT Certificate Holder

by Bill Jenkins  
Date

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: 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

1. Last 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.

*Bill Jenkins*  
12/27/03

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 9/26 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: 9/26/79  
Signed: W. H. Buckler Commissions: CA 1280 / 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 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. Bd. State Prov. and No.

APR 11 6/27/03

FORM NPT NPT CERTIFICATE HOLDERS' DATA REPORT FOR COMPONENT SUPPORTS

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

D. J. 6/27/80  
10995  
WDB 40605B  
Sheet 5 of 6

- Manufactured by Pacific Scientific 1346 S. State College Blvd. Anaheim, Ca. 92803  
(Name and address of NPT Certificate Holder)
- 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
- Location of Installation Shearon Harris Nuclear Plants, Newhill, Wake County, N. Carolina 27562
- 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	1801102-05-7	DR1351-A	Linear	1	None	1980
(2) 11117							
(3)							
(4)							
(5)							
(6)							
(7)							
(8)							
(9)							
(10)							

5. Remarks

4 2 9

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.

*Bill Jenkins*  
6/27/80

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 USRYAT 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 NPI 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

Commissionary

Co #1494

(National, State, Provincial, 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 stated \_\_\_\_\_ 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 NPI 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

Commissionary

(National, State, Provincial, and No.)

*Handwritten signature and date*  
6/27/80

REPAIR/REPLACEMENT SYNOPSIS

DATE 06/27/03, REV. 0

Repair  Replacement

R/R No. 03-02-095

Suitability Evaluation Required  Yes  No  
(including failed items)

EC No. N/A

W/O No. 405062

1. SYSTEM NAME SI - Safety Injection NB No. 46

CONSTRUCTION CODE ASME Section III Edition 1974 Addenda W76 Code Class 2

CODE CASE See N-5 Data Report

2. COMPONENT NAME Hanger/Snubber Tag No. SI-H-1161A/B

OLD COMPONENT

NEW COMPONENT

P.O. No./Catalog ID. 76100262 P.O. No./Catalog ID. 76100262

Year Built 1985/1979 Code Stamp No Year Built 1985/1981 Code Stamp No

Const. Code ASME III Edition 1977 Addenda \*  Const. Code ASME III Edition 1977 Addenda \*

Code Class 1 Code Cases 1644-7/6 Code Class 1 Code Cases 1644-7

NB No. NA NB No. NA

Manufacture Name PSA Manufacture Name PSA

Manufacture Serial No. A-37262 & B-7289 Manufacture Serial No. A-37083 & B-18116

3. DESCRIPTION OF WORK Replaced snubbers on hanger SI-H-1161A/B. \*Replaced Snubber A-W78 B-S78 Addenda. \*Replacement Snubber A-W78 B-W77 Addenda. The replacement snubbers meet or exceed the original code and design spec requirements. Therefore, suitable for replacement.

4. PRESERVICE INSPECTION REQUIREMENT

- MT - Mag. Part. Complete
- PT - Penetrant Complete
- RT - Radiography Complete
- UT - Ultrasonics Complete
- VT-3 Visual Complete

5. PROGRAM UPDATES REQUIRED

- ISI
- IST
- FAC
- Check Valve
- Supports
- ILRT/LLRT
- Other

6. SYSTEM PRESSURE TEST REQUIREMENT

- Leakage
- Functional
- Inservice
- Hydrostatic
- Pneumatic

Nominal Operating Pressure  Yes  No

Elevated Pressure N/A psi

Test Temperature N/A °F

Applic. Code Ref. (or Code Case) N/A

7. ANI/ANII Review 05/11/03 Pre Work Start 05/11/03 Work Complete 05/15/03

8. NIS-2 Prepared 06/27/03 ANI/ANII 06/27/03 In Package 07/03/03

Note: Upon completion of the document, it is a completed QA record and is to be transmitted in accordance with RDC-NGGC-0001.

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 06/27/03  
 Name  
P.O. Box 1551, Raleigh, N.C. 27602-1551 Sheet 1 of 46  
 Address
2. Plant Shearon Harris Nuclear Power Plant Unit 1  
 Name  
P.O. Box 165, New Hill, N.C. 27562-0165 WO# 405062  
 Address Repair Organization P.O. No., Job No., etc.
3. Work Performed By Progress Energy 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 SI - Safety Injection
- 5 (a) Applicable Construction Code ASME Section III 1974 Edition, Winter '76 Addenda, See N1 Code Case  
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1989, Addenda N/A
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	PSA	37262	NA	SI-H-1161A PN 76100262	1985	Replaced	No
Snubber	PSA	37083	NA	SI-H-1161A PN 76100262	1985	Replacement	No
Snubber	PSA	7289	NA	SI-H-1161B PN 76100262	1979	Replaced	No
Snubber	PSA	18116	NA	SI-H-1161B PN 76100262	1981	Replacement	No

7. Description of Work: Replaced snubbers on hanger SI-H-1161A/B.
8. Tests Conducted: Hydrostatic  Pneumatic  Nominal Operation 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 in numbered and the number of sheet is recorded at the top of this form.

DA-6121103  
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Sheet 2 of 4

WO# 405062

R/R# 03-02-095

ASME XI, CLASS 2

FORM NIS-2 (Back)

9. Remarks Performed preservice VT-3 on hanger after snubber replacement.  
Applicable Manufacturer's Data Reports to be attached.

N1 - See N-5 Data Report for Code Cases

CERTIFICATION OF COMPLIANCE

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

Type Code Symbol Stamp N/A

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

Signed Dazhi Jiang for Equipment Performance Supervisor Date 6/27/03  
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 Connecticut of Hartford, Connecticut have inspected the components described in this Owner's Report during the period of 12/15/01 to 05/18/03, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

Randy J. Jones Commissions NB 9931, NC 1507, ABIN NS  
Inspector's Signature National Board, State, Province, and Endorsements

Date 6/27/03

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

D.O. 6/22/03  
37683  
WOM 405062  
Sheet 2 of 6

1. Manufactured by Pacific Scientific, Kin-Tech Division  
1346 South State College Blvd., Anaheim, California 92903  
(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) 27036	None	1801104-05-U	SR 1412-Rev. 0	Linear	1	None	1985
(2) ERU							
(3) 27097							
(4)							
(5)							
(6)							
(7)							
(8)							
(9)							
(10)							

5. Remarks Inspection Test Reports, DWR's and Certificate of Compliance are also carried to meet ASME SRC 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 component supports conform to the rules of construction of the ASME Code for Nuclear Power Plant Components, Section III, Division 1, Edition 1977, Addenda Winter '79, Code Case No. 1644-6 (Date)

Signed Pacific Scientific by [Signature]  
(Name of 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 NPS 2256

Design Specifications Certified by (1) [Signature] PE State California  
Reg. No. 13583

Stress Analysis Report or Load Capacity Data Sheets Certified by (1) [Signature]  
PE State California Reg. No. 13583

(Signature of Certificate Holder not required)

Supplemental sheets in form of lists, sketches or drawings may be used provided this size is 8 1/2" x 11" information in items 1 & 2 of Appendix D shall be included on each sheet and on each sheet is numbered and number of sheets is recorded at top of sheet.

D.O. 6/22/03

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 USBI&I Co. of Hartford, CT

have inspected the component supports described in this Data Report on 11-12-85

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 11-12-85

Signed [Signature] Commissions CA 1526 / OHIO COMM.  
(Natl 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 items referred to as data items \_\_\_\_\_, not included in the certificate of shop inspection, have been examined 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.

Signed \_\_\_\_\_ Commissions \_\_\_\_\_  
(Natl Bd., State, Prov., and No.)

*[Handwritten signature]*  
6/2/03

\*REVISED DATA REPORT with 405062  
sheet 5 of 6

# 114

**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) 18111-18145	None	1801104-05-J	DR-1348-Rev. B	Linear	1	None	1981
(2) 18150-18172							
(3)							
(4)							
(5)							
(6)							
(7)							
(8)							
(9)							
(10)							
5. Remarks: \*Correcting "Year Built", from 1980 to 1981.

**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 1977, Addenda Winter 1977  
Code Case No. 1644-7 (Date)

Date 1/22/81 Signed Pacific Scientific by [Signature]  
(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.

ARJ, AMW  
1/22/81  
10-23-85

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 ESB&T Co. of Bartford, CT

have inspected the component supports described in this Data Report on 1.22 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 1.23.81

Signed W.H. Bucher Commissions CA1290/0410 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.)

ADP, Rail  
4/22/83

REPAIR/REPLACEMENT SYNOPSIS

DATE 06/30/03, REV. 0

Repair  Replacement

R/R No. 03-02-092

Suitability Evaluation Required  Yes  No  
(including failed items)

EC No. N/A

W/O No. 406255

1. SYSTEM NAME SI - Safety Injection NB No. 46

CONSTRUCTION CODE ASME Section III Edition 1974 Addenda W76 Code Class 2

CODE CASE See N-5 Data Report

2. COMPONENT NAME Hanger/Snubber Tag No. SI-H-273A

OLD COMPONENT

NEW COMPONENT

P.O. No./Catalog ID. 76097344

P.O. No./Catalog ID. 76097344

Year Built 1980 Code Stamp No

Year Built 1979 Code Stamp No

Const. Code ASME III Edition 1977 Addenda S78

Const. Code ASME III Edition 1974 Addenda W76

Code Class 1 Code Cases 1644-6

Code Class 1 Code Cases 1644-5, 1686

NB No. NA

NB No. NA

Manufacture Name PSA

Manufacture Name PSA

Manufacture Serial No. 8771

Manufacture Serial No. 5334

3. DESCRIPTION OF WORK Replaced snubber on hanger SI-H-273A. The replacement snubber meet or exceed the original code and design spec requirements. Therefore, suitable for replacement.

4. PRESERVICE INSPECTION REQUIREMENT

- MT - Mag. Part. Complete
- PT - Penetrant Complete
- RT - Radiography Complete
- UT - Ultrasonics Complete
- VT-3 Visual Complete

5. PROGRAM UPDATES REQUIRED

- ISI  Supports
- IST  ILRT/LLRT
- FAC  Other \_\_\_\_\_
- Check Valve

6. SYSTEM PRESSURE TEST REQUIREMENT

- Leakage
- Functional
- Inservice
- Hydrostatic
- Pneumatic

Nominal Operating Pressure  Yes  No

Elevated Pressure N/A psi

Test Temperature N/A °F

Applic. Code Ref. (or Code Case) N/A

7. ANI/ANII Review 05/11/03 Pre Work Start 05/11/03 Work Complete 05/15/03

8. NIS-2 Prepared 06/30/03 ANI/ANII 07/07/03 In Package 07/08/03

Note: Upon completion of the document, it is a completed QA record and is to be transmitted in accordance with RDC-NGGC-0001.

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 06/30/03  
Name  
P.O. Box 1551, Raleigh, N.C. 27602-1551 Sheet 1 of 4  
Address
2. Plant Shearon Harris Nuclear Power Plant Unit 1  
Name  
P.O. Box 165, New Hill, N.C. 27562-0165 WO# 406255  
Address Repair Organization P.O. No., Job No., etc.
3. Work Performed By Progress Energy 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 SI - Safety Injection
- 5 (a) Applicable Construction Code ASME Section III 1974 Edition, Winter '76 Addenda, See N1 Code Case  
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1989, Addenda N/A
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	PSA	8771	NA	SI-H-273A PN 76097344	1980	Replaced	No
Snubber	PSA	5334	NA	SI-H-273A PN 76097344	1979	Replacement	No

7. Description of Work: Replaced snubber on hanger SI-H-273A.
8. Tests Conducted: Hydrostatic  Pneumatic  Nominal Operation 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 in numbered and the number of sheet is recorded at the top of this form.

FORM NIS-2 (Back)

9. Remarks Performed preservice VT-3 on hanger after snubber replacement.

Applicable Manufacturer's Data Reports to be attached.

N1 - See N-5 Data Report for Code Cases

CERTIFICATION OF COMPLIANCE

We certify that the statements made in the report are correct and this replacement conforms to the rules of the repair or replacement

ASME Code, Section XI.

Type Code Symbol Stamp N/A

Certificate of Authorization No. N/A

Expiration Date N/A

Signed Darwin Long  
Owner or Owner's Designee, Title

for Equipment Performance Supervisor

Date 6/30/03

CERTIFICATE OF INSERVICE INSPECTION

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 Connecticut of Hartford, Connecticut have inspected the components described in this Owner's Report during the period of 12/15/01 to 05/18/03, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this 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.

Larry J. Jones  
Inspector's Signature

Commissions NB 9931, NC 1507, ABIN NS

National Board, State, Province, and Endorsements

Date 7/7/03

W04# 406255

Sheet 3 of 4 = 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 Corp. 621 Dana St. 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 Capa- city Data Sheet	(e) Type of Component Support	(f) Class	(g) Nat'l Board No.	(h) Year Built
5296-5350	None	1801103-07-H <sub>2</sub>	DR-1352- Rev. B	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 74 Addenda Winter 176  
(Date)

Code Case No. 1644-5 & 1686

Date 5-18-79 Signed Pacific Scientific  
(NPT Certificate Holder)

by [Signature]

Our ASME Certificate of Authorization No. 1196 to use the Component Support  
(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 NB3256

Design Specifications Certified by (to) Leo E. Ay (in) California

Reg. No. 13777

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

in State California No. 13533

List name of signatory as required

Supplementary sheets in the form of sketches or drawings may be used provided they contain the following information:  
a) on the face of the sheet, the title, sheet number, and date of issue.  
b) on the reverse of the sheet, the name of the signatory and the date of issue.

ADQ, April 7/1983

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 ES&I Co. of Hartford, CT have inspected the component supports described in this Data Report on 18 MAR 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 5-18-79

Signed Robert D. Huse Commissions California 1386, 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.

Signed \_\_\_\_\_ Commissions \_\_\_\_\_  
(Nat'l Bd., State, Prov., and No.)

*RDH, RWH*  
*7/7/03*

REPAIR/REPLACEMENT SYNOPSIS

DATE 06/27/03, REV. 0

Repair  Replacement

R/R No. 03-02-012

Suitability Evaluation Required  Yes  No  
(including failed items)

EC No. N/A

W/O No. 212192-03

1. SYSTEM NAME MS - Main Steam NB No. 59

CONSTRUCTION CODE ASME Section III Edition 1974 Addenda W76 Code Class 2

CODE CASE See N-5 Data Report

2. COMPONENT NAME Hanger/Snubber Tag No. MS-H-69

OLD COMPONENT

NEW COMPONENT

P.O. No./Catalog ID. 73891210 P.O. No./Catalog ID. 73891210

Year Built Unknown Code Stamp No Year Built Unknown Code Stamp No

Const. Code A-194, 2H Edition NA Addenda NA Const. Code A-194, 2H Edition NA Addenda NA

Code Class \_\_\_\_\_ Code Cases NA Code Class \_\_\_\_\_ Code Cases NA

NB No. NA NB No. NA

Manufacture Name Coloc Industries Manufacture Name Coloc Industries

Manufacture Serial No. NA Manufacture Serial No. NA

3. DESCRIPTION OF WORK Replaced coloc nut on hanger MS-H-69. Nut is ASTM A194 Gr. 2H. PO# 7D6297. The replacement part meets or exceeds the original code and design spec requirements. Therefore, suitable for replacement.

4. PRESERVICE INSPECTION REQUIREMENT

- MT - Mag. Part. Complete
- PT - Penetrant Complete
- RT - Radiography Complete
- UT - Ultrasonics Complete
- VT-3 Visual Complete

5. PROGRAM UPDATES REQUIRED

- ISI  Supports
- IST  ILRT/LLRT
- FAC  Other \_\_\_\_\_
- Check Valve

6. SYSTEM PRESSURE TEST REQUIREMENT

- Leakage
- Functional
- Inservice
- Hydrostatic
- Pneumatic

Nominal Operating Pressure  Yes  No  
 Elevated Pressure N/A psi  
 Test Temperature N/A °F  
 Applic. Code Ref. (or Code Case) N/A

7. ANI/ANII Review 05/04/03 Pre Work Start 05/04/03 Work Complete 06/10/03

8. NIS-2 Prepared 06/27/03 ANI/ANII 06/27/03 In Package 07/03/03

Note: Upon completion of the document, it is a completed QA record and is to be transmitted in accordance with RDC-NGGC-0001.



FORM NIS-2 (Back)

9. Remarks Performed preservice VT-3 on hanger after coloc nut replacement.

Applicable Manufacturer's Data Reports to be attached.

N1 - See N-5 Data Report for Code Cases

CERTIFICATION OF COMPLIANCE

We certify that the statements made in the report are correct and this replacement conforms to the rules of the  
repair or replacement

ASME Code, Section XI.

Type Code Symbol Stamp N/A

Certificate of Authorization No. N/A

Expiration Date N/A

Signed Dayin Song for Equipment Performance Supervisor Date 6/27/03  
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 Connecticut of Hartford, Connecticut have inspected the components described in this Owner's Report during the period of 12/15/01 to 05/18/03, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this 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.

Sam L. Jones  
Inspector's Signature

Commissions NB 9931, NC 1507, ABIN NS  
National Board, State, Province, and Endorsements

Date 6/27/03

REPAIR/REPLACEMENT SYNOPSIS

DATE 07/08/03, REV. 0

Repair  Replacement

R/R No. 03-02-099

Suitability Evaluation Required  Yes  No  
(including failed items)

EC No. N/A

W/O No. 226579-04

1. SYSTEM NAME SG - Steam Generator NB No. 64

CONSTRUCTION CODE ASME Section III Edition 1986 Addenda None Code Class 1

CODE CASE N-20-3, N-474-1, N-2142, and N-2143

2. COMPONENT NAME Steam Generator Tag No. 1SG-E002

OLD COMPONENT

NEW COMPONENT

P.O. No./Catalog ID. 76180140 P.O. No./Catalog ID. 76180140

Year Built Unknown Code Stamp No Year Built Unknown Code Stamp No

Const. Code \*            Edition \*            Addenda \*            Const. Code \*            Edition \*            Addenda \*           

Code Class            Code Cases NA Code Class            Code Cases NA

NB No. NA NB No. NA

Manufacture Name Westinghouse Manufacture Name Westinghouse

Manufacture Serial No. NA Manufacture Serial No. 150

3. DESCRIPTION OF WORK Replaced stud on "B" SG handhole cover. \*Stud is SA193 Gr. B7 (UTC 761434, HT# SZ85). The stud was purchased under contract XTA3000186. The replacement parts meet or exceed the original code and design spec requirements. Therefore, suitable for replacement.

4. PRESERVICE INSPECTION REQUIREMENT

- MT - Mag. Part. Complete
- PT - Penetrant Complete
- RT - Radiography Complete
- UT - Ultrasonics Complete
- VT- Visual Complete

5. PROGRAM UPDATES REQUIRED

- ISI
- IST
- FAC
- Check Valve
- Supports
- ILRT/LLRT
- Other

6. SYSTEM PRESSURE TEST REQUIREMENT

- Leakage
- Functional
- Inservice
- Hydrostatic
- Pneumatic

Nominal Operating Pressure  Yes  No  
Elevated Pressure N/A psi  
Test Temperature N/A °F

Applic. Code Ref. (or Code Case) N/A

7. ANI/ANII Review 05/03/03 Pre Work Start 05/03/03 Work Complete 05/11/03

8. NIS-2 Prepared 07/08/03 ANI/ANII 07/07/03 In Package 07/08/03

Note: Upon completion of the document, it is a completed QA record and is to be transmitted in accordance with RDC-NGGC-0001.



FORM NIS-2 (Back)

9. Remarks

Applicable Manufacturer's Data Reports to be attached.

N1 - N-20-3, N-474-1, N-2142, and N-2143

CERTIFICATION OF COMPLIANCE

We certify that the statements made in the report are correct and this replacement conforms to the rules of the  
repair or replacement

ASME Code, Section XI.

Type Code Symbol Stamp N/A

Certificate of Authorization No. N/A

Expiration Date N/A

Signed Dorwin Perry for Equipment Performance Supervisor

Date 7/8/03

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 Connecticut of Hartford, Connecticut have inspected the components described in this Owner's Report during the period of 12/15/01 to 05/18/03, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this 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.

Sally P. Jones  
Inspector's Signature

Commissions NB 9931, NC 1507, ABIN NS

National Board, State, Province, and Endorsements

Date 7/9/03

REPAIR/REPLACEMENT SYNOPSIS

DATE 07/07/03, REV. 0

Repair  Replacement

R/R No. 03-02-049

Suitability Evaluation Required  Yes  No  
(including failed items)

EC No. N/A

W/O No. 239737-21

1. SYSTEM NAME CS - Chemical Volume Control NB No. 48

CONSTRUCTION CODE ASME Section III Edition 1974 Addenda W76 Code Class 2

CODE CASE See N-5 Data Report

2. COMPONENT NAME Valve Tag No. 1CS-775

OLD COMPONENT

NEW COMPONENT

P.O. No./Catalog ID. 72742109/73182370 P.O. No./Catalog ID. 72742109/73182370

Year Built Unknown Code Stamp No Year Built Unknown Code Stamp No

Const. Code ASME III Edition 1974 Addenda W76 Const. Code ASME III Edition 1974 Addenda W76

Code Class 2 Code Cases NA Code Class 2 Code Cases NA

NB No. NA NB No. NA

Manufacture Name Unknown Manufacture Name Texax Bolt and Nova

Manufacture Serial No. NA Manufacture Serial No. NA

3. DESCRIPTION OF WORK Replaced stud and nut valve 1CS-775. \*Nut is ASME SA194 Gr. 6 (PO# 669541). \*Stud is SA453 Gr. 660 (PO# 7P4330). The replacement parts meet or exceed the original code and design spec requirements. Therefore, suitable for replacement.

4. PRESERVICE INSPECTION REQUIREMENT

- MT - Mag. Part. Complete
- PT - Penetrant Complete
- RT - Radiography Complete
- UT - Ultrasonics Complete
- VT- Visual Complete

5. PROGRAM UPDATES REQUIRED

- ISI  Supports
- IST  ILRT/LLRT
- FAC  Other \_\_\_\_\_
- Check Valve

6. SYSTEM PRESSURE TEST REQUIREMENT

- Leakage
- Functional
- Inservice
- Hydrostatic
- Pneumatic

Nominal Operating Pressure  Yes  No  
 Elevated Pressure N/A psi  
 Test Temperature N/A °F  
 Applic. Code Ref. (or Code Case) N/A

7. ANI/ANII Review 05/02/03 Pre Work Start 05/02/03 Work Complete 05/16/03

8. NIS-2 Prepared 07/07/03 ANI/ANII 07/07/03 In Package 07/08/03

Note: Upon completion of the document, it is a completed QA record and is to be transmitted in accordance with RDC-NGGC-0001

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 07/07/03  
 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 WO# 239737-21  
 Address Repair Organization P.O. No., Job No., etc.
3. Work Performed By Progress Energy 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 CS - Chemical Volume Control
- 5 (a) Applicable Construction Code ASME Section III 1974 Edition, Winter '76 Addenda, See N1 Code Case  
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1989, Addenda N/A
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)
Nut	Unknown	NA	NA	PN 72742109 SA194, Gr. 6	Unknown	Replaced	No
Nut	Texas Bolt	NA	NA	PN 72742109 PO# 669541 SA194 Gr. 6	Unknown	Replacement	No
Stud	Unknown	NA	NA	PN 73182370 SA453 Gr. 660	Unknown	Replaced	No
Stud	Nova	NA	NA	PN 73182370 PO# 7P4330 SA453 Gr. 660	Unknown	Replacement	No

7. Description of Work: Replaced stud and nut on valve 1CS-775.
8. Tests Conducted: Hydrostatic  Pneumatic  Nominal Operation 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 in numbered and the number of sheet is recorded at the top of this form.

FORM NIS-2 (Back)

9. Remarks

Applicable Manufacturer's Data Reports to be attached.

N1 - See N-5 Data Report for Code Cases

CERTIFICATION OF COMPLIANCE

We certify that the statements made in the report are correct and this replacement conforms to the rules of the repair or replacement

ASME Code, Section XI.

Type Code Symbol Stamp N/A

Certificate of Authorization No. N/A

Expiration Date N/A

Signed Dustin Borg  
Owner or Owner's Designee, Title

for Equipment Performance Supervisor

Date 7/7/03

CERTIFICATE OF INSERVICE INSPECTION

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 Connecticut of Hartford, Connecticut have inspected the components described in this Owner's Report during the period of 12/15/01 to 05/18/03, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this 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.

Sally J. Jones  
Inspector's Signature

Commissions

NB 9931, NC 1507, ABIN NS

National Board, State, Province, and Endorsements

Date 7/7/03

REPAIR/REPLACEMENT SYNOPSIS

DATE 06/27/03, REV. 0

Repair  Replacement

R/R No. 03-02-014

Suitability Evaluation Required  Yes  No  
(including failed items)

EC No. N/A

W/O No. 239967-07

1. SYSTEM NAME WG - Waste Gas NB No. 61  
CONSTRUCTION CODE ASME Section III Edition 1974 Addenda W76 Code Class 2  
CODE CASE See N-5 Data Report

2. COMPONENT NAME Hanger/Snubber Tag No. WG-H-1947

OLD COMPONENT

NEW COMPONENT

P.O. No./Catalog ID. 73286338 P.O. No./Catalog ID. 73286338

Year Built Unknown Code Stamp No Year Built Unknown Code Stamp No

Const. Code A-194, 2H Edition NA Addenda NA Const. Code A-194, 2H Edition NA Addenda NA

Code Class \_\_\_\_\_ Code Cases NA Code Class \_\_\_\_\_ Code Cases NA

NB No. NA NB No. NA

Manufacture Name Coloc Industries Manufacture Name Coloc Industries

Manufacture Serial No. NA Manufacture Serial No. NA

3. DESCRIPTION OF WORK Replaced coloc nut on hanger WG-H-1947. Nut is A194 Gr. 2H. PO# 26339. The replacement part meets or exceeds the original code and design spec requirements. Therefore, suitable for replacement.

4. PRESERVICE INSPECTION REQUIREMENT

- MT - Mag. Part. Complete
- PT - Penetrant Complete
- RT - Radiography Complete
- UT - Ultrasonics Complete
- VT-3 Visual Complete

5. PROGRAM UPDATES REQUIRED

- ISI  Supports
- IST  ILRT/LLRT
- FAC  Other \_\_\_\_\_
- Check Valve

6. SYSTEM PRESSURE TEST REQUIREMENT

- Leakage Nominal Operating Pressure  Yes  No
- Functional Elevated Pressure N/A psi
- Inservice Test Temperature N/A °F
- Hydrostatic
- Pneumatic Applic. Code Ref. (or Code Case) N/A

7. ANI/ANII Review 05/10/03 Pre Work Start 05/09/03 Work Complete 05/19/03

8. NIS-2 Prepared 06/27/03 ANI/ANII 06/27/03 In Package 07/03/03

Note: Upon completion of the document, it is a completed QA record and is to be transmitted in accordance with RDC-NGGC-0001.

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 06/27/03  
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 WO# 239967-07  
Address Repair Organization P.O. No., Job No., etc.
3. Work Performed By Progress Energy 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 WG - Waste Gas
- 5 (a) Applicable Construction Code ASME Section III 1974 Edition, Winter '76 Addenda, See N1 Code Case  
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1989, Addenda N/A
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)
Nut	Coloc Industries	NA	NA	PN 73286338 PO# 26339 A194 Gr. 2H	Unknown	Replaced	No
Nut	Coloc Industries	NA	NA	PN 73286338 PO# 26339 A194 Gr. 2H	Unknown	Replacement	No

7. Description of Work: Replaced coloc nut on hanger WG-H-1947.
8. Tests Conducted: Hydrostatic  Pneumatic  Nominal Operation 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 in numbered and the number of sheet is recorded at the top of this form.

FORM NIS-2 (Back)

9. Remarks Performed preservice VT-3 on hanger after coloc nut replacement.

Applicable Manufacturer's Data Reports to be attached.

N1 - See N-5 Data Report for Code Cases

CERTIFICATION OF COMPLIANCE

We certify that the statements made in the report are correct and this replacement conforms to the rules of the repair or replacement

ASME Code, Section XI.

Type Code Symbol Stamp N/A

Certificate of Authorization No. N/A

Expiration Date N/A

Signed *Devin Hong* Equipment Performance Supervisor

Date 6/27/03

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 Connecticut of Hartford, Connecticut have inspected the components described in this Owner's Report during the period of 12/15/01 to 05/18/03, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this 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.

*Sam J. Jones*  
Inspector's Signature

Commissions NB 9931, NC 1507, ABIN NS

National Board, State, Province, and Endorsements

Date 6/27/03

REPAIR/REPLACEMENT SYNOPSIS

DATE 07/07/03, REV. 0

Repair  Replacement

R/R No. 03-02-003

Suitability Evaluation Required  Yes  No  
(including failed items)

EC No. N/A

W/O No. 329006-02

1. SYSTEM NAME CS - Chemical Volume Control NB No. 48

CONSTRUCTION CODE ASME Section III Edition 1974 Addenda W76 Code Class 2

CODE CASE See N-5 Data Report

2. COMPONENT NAME Hanger/Snubber Tag No. CS-H-3343

OLD COMPONENT

NEW COMPONENT

P.O. No./Catalog ID. 73286296 P.O. No./Catalog ID. 73286296

Year Built Unknown Code Stamp No Year Built Unknown Code Stamp No

Const. Code A-194, 2H Edition NA Addenda NA Const. Code A-194, 2H Edition NA Addenda NA

Code Class  Code Cases NA Code Class  Code Cases NA

NB No. NA NB No. NA

Manufacture Name Coloc Industries Manufacture Name Coloc Industries

Manufacture Serial No. NA Manufacture Serial No. NA

3. DESCRIPTION OF WORK Replaced coloc nut on hanger CS-H-3343. Nut is A194 Gr. 2H. PO# 1029144. The replacement part meets or exceeds the original code and design spec requirements. Therefore, suitable for replacement.

4. PRESERVICE INSPECTION REQUIREMENT

- MT - Mag. Part. Complete
- PT - Penetrant Complete
- RT - Radiography Complete
- UT - Ultrasonics Complete
- VT-3 Visual Complete

5. PROGRAM UPDATES REQUIRED

- ISI
- IST
- FAC
- Check Valve
- Supports
- ILRT/LLRT
- Other

6. SYSTEM PRESSURE TEST REQUIREMENT

- Leakage
- Functional
- Inservice
- Hydrostatic
- Pneumatic

Nominal Operating Pressure  Yes  No

Elevated Pressure N/A psi

Test Temperature N/A °F

Applic. Code Ref. (or Code Case) N/A

7. ANI/ANII Review 10/29/02 Pre Work Start 10/29/02 Work Complete 11/01/02

8. NIS-2 Prepared 07/07/03 ANI/ANII 07/07/03 In Package 07/08/03

Note: Upon completion of the document, it is a completed QA record and is to be transmitted in accordance with RDC-NGGC-0001.

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 07/07/03  
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 WO# 329006-02  
Address Repair Organization P.O. No., Job No., etc.
3. Work Performed By Progress Energy 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 CS - Chemical Volume Control
- 5 (a) Applicable Construction Code ASME Section III 1974 Edition, Winter '76 Addenda, See N1 Code Case  
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1989, Addenda N/A
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)
Nut	Coloc Industries	NA	NA	PN 73286296 PO# 1029144 A194 Gr. 2H	Unknown	Replaced	No
Nut	Coloc Industries	NA	NA	PN 73286296 PO# 1029144 A194 Gr. 2H	Unknown	Replacement	No

7. Description of Work: Replaced coloc nut on hanger CS-H-3343.
8. Tests Conducted: Hydrostatic  Pneumatic  Nominal Operation 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 in numbered and the number of sheet is recorded at the top of this form.

FORM NIS-2 (Back)

9. Remarks Performed preservice VT-3 on hanger after coloc nut replacement.  
Applicable Manufacturer's Data Reports to be attached.

N1 - See N-5 Data Report for Code Cases

CERTIFICATION OF COMPLIANCE

We certify that the statements made in the report are correct and this replacement conforms to the rules of the  
repair or replacement

ASME Code, Section XI.

Type Code Symbol Stamp N/A

Certificate of Authorization No. N/A

Expiration Date N/A

Signed Dayan Borg for Equipment Performance Supervisor Date 7/7/03  
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 Connecticut of Hartford, Connecticut have inspected the components described in this Owner's Report during the period of 12/15/01 to 05/18/03, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this 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.

Amy D. Jones  
Inspector's Signature

Commissions NB 9931, NC 1507, ABIN NS  
National Board, State, Province, and Endorsements

Date 7/7/03