



Progress Energy

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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,

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)

Progress Energy Carolinas, Inc.
Harris Nuclear Plant
P.O. Box 165
New Hill, NC 27562

A047

**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 – 2nd 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	Grade	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	Credit	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)**

Category F-A Item F1.10B		Class 1 Hanger - Box Type Support			
Support ID	Location	Exam Type	Exam Date	Exam Results	Examiner
SI-H-0434	RCB 240' Az-7 R-41'	VT-3	4/29/2003	PASS	MDH
Category F-A Item F1.10R		Class 1 Hanger - Rigid Strut Support			
Support ID	Location	Exam Type	Exam Date	Exam Results	Examiner
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
Category F-A Item F1.10V		Class 1 Hanger - Variable (Spring Can) Support			
Support ID	Location	Exam Type	Exam Date	Exam Results	Examiner
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
Category F-A Item F1.20A		Class 2 Hanger - Anchor			
Support ID	Location	Exam Type	Exam Date	Exam Results	Examiner
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					

Category F-A Item F1.20B		Class 2 Hanger - Box Type Support			
Support ID	Location	Exam Type	Exam Date	Exam Results	Examiner
AF-H-0155	RAB 242' 2'N/28 13'W/B	VT-3	3/3/2003	PASS	GDL/MDH
Category F-A Item F1.20R		Class 2 Hanger - Rigid Strut Support			
Support ID	Location	Exam Type	Exam Date	Exam Results	Examiner
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
Category F-A Item F1.20V		Class 2 Hanger - Variable (Spring Can) Support			
Support ID	Location	Exam Type	Exam Date	Exam Results	Examiner
None Scheduled		n/a	n/a	n/a	n/a
Category F-A Item F1.40		Class 1 and 2 Equipment Supports			
Support ID	Location	Exam Type	Exam Date	Exam Results	Examiner
Charging / Safety Injection Pump 1B-SB (5 examination points)					
II-CSIP-1CSIPB-H-001-005	RAB 236' 3'S/31 10'E/E	VT-3	3/20/2003	PASS	GDL
Reactor Coolant Drain Tank Heat Exchanger 1X-SN (2 examination points)					
II-RCDX-1H-001-002	RCB 221' Az-270 R-60'	VT-3	4/26/2003	PASS	MDH

Category F-A Item F1.40		Class 1 and 2 Equipment Supports - continued			
Support ID	Location	Exam Type	Exam Date	Exam Results	Examiner
Reactor Coolant Filter 1X-SN (3 examination points)					
II-RCF-01H-001-003	RAB 270' 3'N/41 3'W/F	VT-3	5/7/2003	PASS	RWN
Seal Water Return Filter 1X-SN (3 examination points)					
II-SERF-1H-001-003	RAB 270' 12'N/41 1'W/F	VT-3	4/27/2003	PASS	KLH
Steam Generator 1B-SN (4 examination points on vertical support columns)					
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					
Steam Generator 1B-SN (4 examination points on vertical support columns) Re-examination					
II-SG-001SGB-H-001-004	RCB 255' Az-265 R-32'	VT-3	5/12/2003	PASS	RWN
Steam Generator 1B-SN Upper Lateral Support (4 examination points including hydraulic snubbers)					
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					
Steam Generator 1B-SN Upper Lateral Support (2 examination points including ULS bolting)					
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					
Steam Generator 1B-SN Upper Lateral Support (2 examination points including ULS bolting) Re-examination					
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
Steam Generator 1A-SN (4 examination points on vertical support columns) Scope Expansion					
II-SG-001SGA-H-001-004		VT-3	5/12/2003	PASS	VDW
Steam Generator 1C-SN (4 examination points on vertical support columns) Scope Expansion					
II-SG-001SGC-H-001-004		VT-3	5/12/2003	PASS	VDW
Steam Generator 1A-SN (2 examination points including ULS bolting) Scope Expansion					
II-SG-001SGA-H-007-008		VT-3	5/7/2003	PASS	DRI
Steam Generator 1C-SN (2 examination points including ULS bolting) Scope Expansion					
II-SG-001SGC-H-007-008		VT-3	5/7/2003	FAIL	DRI
Comment: Observed 1 loose shim retaining bolt (non-structural)					
Steam Generator 1C-SN (2 examination points including ULS bolting) Re-examination					
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		
ANU 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

Attachment 1
Sheet 1 of 1DATE 06/18/03, REV. 0Repair ☐ Replacement ☒R/R No. 03-01-004Suitability Evaluation Required ☒ Yes ☐ No
(including failed items)EC No. N/AW/O No. 2326491. SYSTEM NAME SI - Safety InjectionNB No. 46CONSTRUCTION CODE ASME Section IIIEdition 1974Addenda W76Code Class 1CODE CASE See N-5 Data Report2. COMPONENT NAME Hanger/SnubberTag No. SI-H-148

OLD COMPONENT

NEW COMPONENT

P.O. No./Catalog ID. 73286296P.O. No./Catalog ID. 73286296Year Built UnknownCode Stamp NoYear Built UnknownCode Stamp NoConst. Code ASME III Edition 1974 Addenda W76Const. Code ASME III Edition 1974 Addenda W76Code Class 1Code Cases NACode Class 1Code Cases NANB No. NANB No. NAManufacture Name Coloc IndustriesManufacture Name Coloc IndustriesManufacture Serial No. NAManufacture 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 - PenetrantComplete ☐☐ RT - RadiographyComplete ☐☐ UT - UltrasonicsComplete ☐☒ VT-3 VisualComplete ☒

5. PROGRAM UPDATES REQUIRED

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

6. SYSTEM PRESSURE TEST REQUIREMENT

☐ Leakage☐ Functional☐ Inservice☐ Hydrostatic☐ PneumaticNominal Operating Pressure ☐ Yes ☐ NoElevated Pressure N/A psiTest Temperature N/A °FApplic. Code Ref. (or Code Case) N/A7. ANI/ANII Review 05/03/03Pre Work Start 05/03/03Work Complete 05/12/038. NIS-2 Prepared 06/19/03ANI/ANII 06/24/03In 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 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

Dagun 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

Attachment 1
Sheet 1 of 1DATE 06/19/03, REV. 0Repair ☐ Replacement ☒R/R No. 03-01-005Suitability Evaluation Required ☒ Yes ☐ No
(including failed items)EC No. N/AW/O No. 2326501. SYSTEM NAME SI - Safety InjectionNB No. 46CONSTRUCTION CODE ASME Section IIIEdition 1974Addenda W76Code Class 1CODE CASE See N-5 Data Report2. COMPONENT NAME Hanger/SnubberTag No. SI-H-149

OLD COMPONENT

NEW COMPONENT

P.O. No./Catalog ID. 73286288P.O. No./Catalog ID. 73286288Year Built UnknownCode Stamp NoYear Built UnknownCode Stamp NoConst. Code ASME III Edition 1974 Addenda W76Const. Code ASME III Edition 1974 Addenda W76Code Class 1Code Cases NACode Class 1Code Cases NANB No. NANB No. NAManufacture Name Coloc IndustriesManufacture Name Coloc IndustriesManufacture Serial No. NAManufacture 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 ☐ NoElevated Pressure N/A psiTest Temperature N/A °FApplic. Code Ref. (or Code Case) N/A7. ANI/ANII Review 05/03/03Pre Work Start 05/03/03Work Complete 05/12/038. NIS-2 Prepared 06/19/03ANI/ANII 06/24/03In 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# 232650
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-149.
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 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 Dagun 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

Attachment I
Sheet 1 of 1DATE 06/11/03, REV. 0Repair ☐ Replacement ☒R/R No. 03-01-006Suitability Evaluation Required ☒ Yes ☐ No
(including failed items)EC No. N/AW/O No. 2391411. SYSTEM NAME SI - Safety InjectionNB No. 46CONSTRUCTION CODE ASME Section IIIEdition 1974Addenda W76Code Class 1CODE CASE See N-5 Data Report2. COMPONENT NAME Hanger/SnubberTag No. SI-H-149A

OLD COMPONENT

NEW COMPONENT

P.O. No./Catalog ID. 0076097344P.O. No./Catalog ID. 0076097344Year Built UnknownCode Stamp NoYear Built UnknownCode Stamp NoConst. Code ASME III Edition 1972 Addenda S73Const. Code ASME III Edition 1974 Addenda W76Code Class 1Code Cases NACode Class 1Code Cases 1644-5, 1686NB No. NANB No. NAManufacture Name PSAManufacture Name PSAManufacture Serial No. 6423Manufacture Serial No. 49543. 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☐ PneumaticNominal Operating Pressure ☐ Yes ☐ NoElevated Pressure N/A psiTest Temperature N/A °FApplic. Code Ref. (or Code Case) N/A7. ANI/ANII Review 05/03/03Pre Work Start 05/03/03Work Complete 05/08/038. NIS-2 Prepared 06/17/03ANI/ANII 06/24/03In 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 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 Dagun Hong

Equipment Performance Supervisor

Date 6/17/03

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 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

Attachment 1
Sheet 1 of 1DATE 06/18/03, REV. 0Repair ☐ Replacement ☒R/R No. 03-01-003Suitability Evaluation Required ☒ Yes ☐ No
(including failed items)EC No. N/AW/O No. 2391421. SYSTEM NAME SI - Safety InjectionNB No. 46CONSTRUCTION CODE ASME Section IIIEdition 1974Addenda W76Code Class 1CODE CASE See N-5 Data Report2. COMPONENT NAME Hanger/SnubberTag No. SI-H-148

OLD COMPONENT

NEW COMPONENT

P.O. No./Catalog ID. 76100700P.O. No./Catalog ID. 76100700Year Built 1981Code Stamp NoYear Built 1981Code Stamp NoConst. Code ASME III Edition 1977 Addenda S78Const. Code ASME III Edition 1977 Addenda S78Code Class 1Code Cases 1644-6Code Class 1Code Cases 1644-6NB No. NANB No. NAManufacture Name PSAManufacture Name PSAManufacture Serial No. 16444Manufacture Serial No. 125433. 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 ☐ NoElevated Pressure N/A psiTest Temperature N/A °FApplic. Code Ref. (or Code Case) N/A7. ANI/ANII Review 05/03/03Pre Work Start 05/03/03Work Complete 05/12/038. NIS-2 Prepared 06/18/03ANI/ANII 06/24/03In 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

Dan Jones
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.

Dan Jones
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 WDB 239142
(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
Sharon 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 1977, Addenda Summer '78
Code Case No. 1644-6 (Date)

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 10A 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 & 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.)

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, AMH
6/24/83

REPAIR/REPLACEMENT SYNOPSIS

Attachment 1
Sheet 1 of 1DATE 06/18/03, REV. 0Repair ☐ Replacement ☒R/R No. 03-01-007Suitability Evaluation Required ☒ Yes ☐ No
(including failed items)EC No. N/AW/O No. 2391471. SYSTEM NAME RH - Residual Heat RemovalNB No. 38CONSTRUCTION CODE ASME Section IIIEdition 1974Addenda W76Code Class 1CODE CASE See N-5 Data Report2. COMPONENT NAME Hanger/SnubberTag No. RH-H-113A

OLD COMPONENT

NEW COMPONENT

P.O. No./Catalog ID. 00006378P.O. No./Catalog ID. 00006378Year Built 1980Code Stamp NoYear Built UnknownCode Stamp NoConst. Code ASME III Edition 1977 Addenda S78Const. Code ASME III Edition 1977 Addenda S78Code Class 1Code Cases 1644-6Code Class 1Code Cases UnknownNB No. NANB No. NAManufacture Name PSAManufacture Name PSAManufacture Serial No. 12583Manufacture 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 ☐ NoElevated Pressure N/A psiTest Temperature N/A °FApplic. Code Ref. (or Code Case) N/A7. ANI/ANII Review 04/30/03Pre Work Start 04/30/03Work Complete 05/08/038. NIS-2 Prepared 06/18/03ANI/ANII 06/24/03In 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 2
Address
2. Plant Shearon Harris Nuclear Power Plant Unit 1
Name
P.O. Box 165, New Hill, N.C. 27562-0165 WO# 239147
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	12583	NA	RH-H-113A PN# 00006378	1980	Replaced	No
Snubber	PSA	4182	NA	RH-H-113A PN# 00006378	Unknown	Replacement	No

7. Description of Work: Replaced snubber on hanger RH-H-113A.
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 *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 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

Attachment 1
Sheet 1 of 1DATE 06/18/03, REV. 0Repair ☐ Replacement ☒R/R No. 03-01-001Suitability Evaluation Required ☒ Yes ☐ No
(including failed items)EC No. N/AW/O No. 2391501. SYSTEM NAME RC - Reactor Coolant NB No. 55CONSTRUCTION CODE ASME Section III Edition 1974 Addenda W76 Code Class 1CODE CASE See N-5 Data Report2. COMPONENT NAME Hanger/Snubber Tag No. RC-H-89

OLD COMPONENT

NEW COMPONENT

P.O. No./Catalog ID. 76100700 P.O. No./Catalog ID. 76100700Year Built 1980 Code Stamp No Year Built 1980 Code Stamp NoConst. Code ASME III Edition 1977 Addenda S78 Const. Code ASME III Edition 1977 Addenda S78Code Class 1 Code Cases 1644-6 Code Class 1 Code Cases 1644-6NB No. NA NB No. NAManufacture Name PSA Manufacture Name PSAManufacture Serial No. 12587 Manufacture Serial No. 125143. 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 ☐ NoElevated Pressure N/A psiTest Temperature N/A °FApplic. Code Ref. (or Code Case) N/A7. ANI/ANII Review 04/30/03 Pre Work Start 04/30/03 Work Complete 05/08/038. 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. MA

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.

Randy D. Jones
Inspector's Signature

Commissions NB 9931, NC 1507, ABIN NS

National Board, State, Province, and Endorsements

Date 6/18/03

FORM NPT CERTIFICATE HOLDERS' DATA REPORT FOR COMPONENT SUPPORTS

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

2.D. 6/13/03
12510

1. Manufactured by Pacific Scientific 1346 S. State College Blvd. Anaheim, Ca. 92803 No # 239150 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 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 Capa- city 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)

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

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

Symbol expires Aug. 4, 1980
(Date)

CERTIFICATION OF DESIGN

Design Information on File at Pacific Scientific

Stress Report or Load Capacity Data Sheets on File at

Pacific Scientific

Filed Per NA 3256

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

Reg No 13533

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

PE State California Reg No 13533

(1) List name only, signature not required

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

No. 239150

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 HSB&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 5/9/80Signed 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

2nd April
6/24/03

REPAIR/REPLACEMENT SYNOPSIS

Attachment I
Sheet 1 of 1DATE 06/18/03, REV. 0Repair ☐ Replacement ☒R/R No. 03-01-020Suitability Evaluation Required ☒ Yes ☐ No
(including failed items)EC No. N/AW/O No. 2391511. SYSTEM NAME RC - Reactor CoolantNB No. 55CONSTRUCTION CODE ASME Section IIIEdition 1974Addenda W76Code Class 1CODE CASE See N-5 Data Report2. COMPONENT NAME Hanger/SnubberTag No. RC-H-54

OLD COMPONENT

NEW COMPONENT

P.O. No./Catalog ID. 76100742P.O. No./Catalog ID. 76100742Year Built 1980 Code Stamp NoYear Built 1981 Code Stamp NoConst. Code ASME III Edition 1978 Addenda S78Const. Code ASME III Edition 1978 Addenda S78Code Class 1 Code Cases 1644-6Code Class 1 Code Cases 1644-6NB No. NANB No. NAManufacture Name PSAManufacture Name PSAManufacture Serial No. 11052Manufacture Serial No. 156263. 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 ☐ NoElevated Pressure N/A psiTest Temperature N/A °FApplic. Code Ref. (or Code Case) N/A7. ANI/ANII Review 08/13/02Pre Work Start 05/01/03Work Complete 05/08/038. NIS-2 Prepared 06/18/03ANI/ANII 06/24/03In 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# 239151
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	11052	NA	RC-H-54 PN# 76100742	1980	Replaced	No
Snubber	PSA	15626	NA	RC-H-54 PN# 76100742	1981	Replacement	No

7. Description of Work: Replaced snubber on hanger RC-H-54.
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

Dagur J. Jorgensen
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.

Dagur J. Jorgensen
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

DN 6/18/03

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)

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

(Name and address of purchaser or owner)

2 Location of Installation Unknown

3 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) 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)							

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 Harold A. Numa
(NPT Certificate Holder)

The ASME Certificate of Registration No. N-1193 to use the Component Supports (NPT)

Expiry date Aug. 4, 1981
(Date)

CERTIFICATION OF DESIGN

Design Information Pacific Scientific

Stress Report or Load Capacity Data Sheet on File at

Pacific Scientific

Filed for 3256

Design Description is certified by Leo E. Ay PE State California

Signature 15631

Stress Report or Load Capacity Data Sheet is Certified by (1) Leo E. Ay

(2) 15633

(3) 15631

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

CERTIFICATE OF SHOP INSPECTION

I, William Meyer, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State of Connecticut, and employed by HSBIA Co. of Meriden, 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
(Net 16d, State Prov. and No.)

CERTIFICATION OF FIELD INSPECTION

I, William Meyer, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State of Connecticut, and employed by HSBIA Co. of Meriden, CT

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 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
(Net 16d, State Prov. and No.)

229, AM11
4/24/83

REPAIR/REPLACEMENT SYNOPSIS

Attachment 1
Sheet 1 of 1DATE 06/19/03, REV. 0Repair ☐ Replacement ☒R/R No. 03-01-019Suitability Evaluation Required ☒ Yes ☐ No
(including failed items)EC No. N/AW/O No. 2393921. SYSTEM NAME RC - Reactor CoolantNB No. 55CONSTRUCTION CODE ASME Section IIIEdition 1974Addenda W76Code Class 1CODE CASE See N-5 Data Report2. COMPONENT NAME ValveTag No. 1RC-123

OLD COMPONENT

NEW COMPONENT

P.O. No./Catalog ID. 72852767P.O. No./Catalog ID. 72852767Year Built Unknown Code Stamp YesYear Built Unknown Code Stamp YesConst. Code ASME III Edition 1971 Addenda W72Const. Code ASME III Edition 1971 Addenda W72Code Class 1 Code Cases NACode Class 1 Code Cases NANB No. 224NB No. 222Manufacture Name Crosby Valve & GageManufacture Name Corsby Valve & GageManufacture Serial No. N56964-00-0052Manufacture Serial No. N56964-00-00503. 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 ☐ NoElevated Pressure N/A psiTest Temperature Nominal °FApplic. Code Ref. (or Code Case) N/A7. ANI/ANII Review 04/28/03Pre Work Start 04/28/03Work Complete 05/13/038. NIS-2 Prepared 06/19/03ANI/ANII 06/24/03In 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

W0# 239392
Sheet 3 of 4

CROSEY

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, 43 Kendrick St., Wrentham, Mass. 02093
Name and Address

Model No. HR-36-BB 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-BN
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 650⁰
Rated Temperature

7. Weight 420006 Lbs/Hr % Overpressure 125 Blowdown (PSIG) 125

Hydrostatic Test (PSIG) 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 & Grade
4. Bar Stock & Forgings		
Body	<u>N90490-35-0005</u>	<u>ASTM-A182-71 Type F-316</u> <u>ASME-SA182 Type F-316</u>
Bonnet	<u>N90353-38-0040</u>	<u>ASTM-A105-71 Gr. 1</u> <u>ASME-SA105 Gr. 1</u>
5.		
Support Rods		
Nozzle	<u>N90555-24-0045</u>	<u>ASTM-A182-71 Type F-316</u> <u>ASME-SA182 Type F-316</u>
Disc Holder	<u>N57220-32-0053</u>	<u>ASTM-A307-70 Gr. 115</u> <u>ASME-SA307 Gr. 115</u>
Spring Washers	<u>N50051-42-0071</u>	<u>ASTM-A105-71 Gr. 1</u> <u>ASME-SA105 Gr. 1</u>
Adjusting Bolt	<u>N90351-41-0102</u>	<u>ASTM-A197-71 Gr. 30</u> <u>ASME-SA197 Gr. 30</u>
Spindle	<u>N56381-40-0100</u>	<u>ASTM-A197-71 Gr. 30</u> <u>ASME-SA197 Gr. 30</u>
Disc Insert	<u>N90349-36-0024</u>	<u>Haynes Stellite No. 65</u>
Spindle Bolt	<u>N90353-0100</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
c. Spring	<u>NX-2761-0092</u>	<u>ASTM-A304 Gr. 51660H</u>
d. Bolting		
e. 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>N90488-0691 thru 0704</u>	<u>ASTM-A453-70 Gr. 660 ASME-SA453 Gr. 660</u>
Inlet Stud Nut	<u>N90489-0691 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 9-18-77 at St. Louis signed Crosby Valve Case Co. St. Louis
Manufacturer

Certificate of Authorization No. 326 expires October 28, 1977

CERTIFICATE OF SHOP INSPECTION	
<p>I, the undersigned, a duly qualified and licensed by the National Board of Boiler and Pressure Vessel Inspectors, and the undersigned of <u>MISS.</u> and employed by <u>Factory Mutual Insurance Co.</u> 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 Subsections of ASME Section VIII.</p> <p>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 loss or injury or property damage or loss of life or limb arising from or connected with this inspection.</p> <p>Date <u>9-18-77</u> at <u>St. Louis</u> <u>[Signature]</u> Inspector <u>[Signature]</u> Manufacturer</p>	

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

33

289.211
6/6/73

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

Attachment 1
Sheet 1 of 1DATE 07/07/03, REV. 0Repair ☐ Replacement ☒R/R No. 03-02-080Suitability Evaluation Required ☒ Yes ☐ No
(including failed items)EC No. N/AW/O No. 891031. SYSTEM NAME CS - Chemical Volume Control NB No. 48CONSTRUCTION CODE ASME Section III Edition 1974 Addenda W76 Code Class 2CODE CASE See N-5 Data Report2. COMPONENT NAME Valve Tag No. 1CS-250

OLD COMPONENT

NEW COMPONENT

P.O. No./Catalog ID. 72413560 P.O. No./Catalog ID. 72413560Year Built 1981 Code Stamp Yes Year Built Unknown Code Stamp NoConst. Code ASME III Edition 1974 Addenda W76 Const. Code ASME III Edition 1974 Addenda W76Code Class 2 Code Cases None Code Class 1 Code Cases NoneNB No. 31820 NB No. NAManufacture Name KMC Manufacture Name FlowserveManufacture Serial No. DAP6-8 Manufacture Serial No. 133. 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

<input type="checkbox"/> MT - Mag. Part.	Complete <input type="checkbox"/>
<input type="checkbox"/> PT - Penetrant	Complete <input type="checkbox"/>
<input type="checkbox"/> RT - Radiography	Complete <input type="checkbox"/>
<input type="checkbox"/> UT - Ultrasonics	Complete <input type="checkbox"/>
<input type="checkbox"/> VT- Visual	Complete <input type="checkbox"/>

5. PROGRAM UPDATES REQUIRED

ISI <input type="checkbox"/>	Supports <input type="checkbox"/>
IST <input type="checkbox"/>	ILRT/LLRT <input type="checkbox"/>
FAC <input type="checkbox"/>	Other <input type="checkbox"/>
Check Valve <input type="checkbox"/>	

6. SYSTEM PRESSURE TEST REQUIREMENT

<input type="checkbox"/> Leakage
<input type="checkbox"/> Functional
<input type="checkbox"/> Inservice
<input type="checkbox"/> Hydrostatic
<input type="checkbox"/> Pneumatic

Nominal Operating Pressure ☐ Yes ☐ NoElevated Pressure N/A psiTest Temperature N/A °FApplic. Code Ref. (or Code Case) N/A7. ANI/ANII Review 01/13/03 Pre Work Start 01/13/03 Work Complete 01/13/038. 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	Flowserve	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 is 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 Dan J. Jones
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.

Dan J. 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 NPT 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 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 19
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) same is 8 1/2" x 11", (2) information in items 1-3 on this Data Report is attached to each sheet, and (3) each sheet is numbered and contains a reference to item 2, "Remarks".

PR Decker
7/7/03

REPAIR/REPLACEMENT SYNOPSIS

Attachment 1
Sheet 1 of 1DATE 07/07/03, REV. 0Repair ☐ Replacement ☒R/R No. 03-02-060Suitability Evaluation Required ☒ Yes ☐ No
(including failed items)EC No. N/AW/O No. 1683961. SYSTEM NAME SW - Service WaterNB No. 64CONSTRUCTION CODE ASME Section IIIEdition 1974Addenda W76Code Class 2CODE CASE See N-5 Data Report2. COMPONENT NAME ValveTag No. 1SW-240

OLD COMPONENT

NEW COMPONENT

P.O. No./Catalog ID. 51410975/72741994P.O. No./Catalog ID. 51410975/72741994Year Built Unknown Code Stamp NoYear Built Unknown Code Stamp NoConst. Code ASME III Edition 1974 Addenda W76Const. Code ASME III Edition * Addenda *Code Class 2 Code Cases NACode Class NA Code Cases NANB No. NANB No. NAManufacture Name HDDManufacture Name Nova and MacksonManufacture Serial No. NAManufacture 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 ☐ NoElevated Pressure N/A psiTest Temperature N/A °FApplic. Code Ref. (or Code Case) N/A7. ANI/ANII Review 05/19/03Pre Work Start 05/06/03Work Complete 06/02/038. NIS-2 Prepared 07/07/03ANI/ANII 07/07/03In 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 is 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

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.

Larry E. Jones
Inspector's Signature

Commissions

NB 9931, NC 1507, ABIN NS

National Board, State, Province, and Endorsements

Date

7/7/03

REPAIR/REPLACEMENT SYNOPSIS

Attachment 1
Sheet 1 of 1DATE 07/23/03, REV. 0Repair ☐ Replacement ☒R/R No. 03-02-007Suitability Evaluation Required ☒ Yes ☐ No
(including failed items)EC No. 98-00085W/O No. 2101051. SYSTEM NAME MS - Main SteamNB No. 59CONSTRUCTION CODE ASME Section IIIEdition 1974Addenda W76Code Class 2CODE CASE See N-5 Data Report2. COMPONENT NAME ValveTag No. 1MS-53

OLD COMPONENT

NEW COMPONENT

P.O. No./Catalog ID. 9220092242P.O. No./Catalog ID. 9220092242Year Built UnknownCode Stamp YesYear Built UnknownCode Stamp YesConst. Code ASME IIIEdition 1971Addenda W72Const. Code ASME IIIEdition 1971Addenda W72Code Class 2Code Cases NACode Class 2Code Cases NANB No. 848NB No. 847Manufacture Name CrosbyManufacture Name CrosbyManufacture Serial No. N57374-00-0013Manufacture Serial No. N57374-00-00123. 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 - PenetrantComplete ☐☐ RT - RadiographyComplete ☐☐ UT - UltrasonicsComplete ☐☒ VT-2 VisualComplete ☒

5. PROGRAM UPDATES REQUIRED

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

6. SYSTEM PRESSURE TEST REQUIREMENT

☒ Leakage☐ Functional☐ Inservice☐ Hydrostatic☐ PneumaticNominal Operating Pressure ☒ Yes ☐ NoElevated Pressure N/A psiTest Temperature 551.7 °FApplic. Code Ref. (or Code Case) N/A7. ANI/ANII Review 04/27/03Pre Work Start 04/27/03Work Complete 07/21/038. NIS-2 Prepared 07/23/03ANI/ANII 07/25/03In 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 Dan H. Jones

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.

Dan H. Jones
Inspector's Signature

Commissions NB 9931, NC 1507, ABIN NS

National Board, State, Province, and Endorsements

Date 7/25/03

CROSBY**CROSBY VALVE & GAGE COMPANY**
WRENTHAM, MASS

Sheet 3 of 4

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

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

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

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

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

Pressure Containing or Pressure Retaining Components

	Serial No. Identification	Material Specification Including Type or Grade
Cross Forgings		
Body	<u>N90909-32-0005</u>	<u>ASME-SA105</u>
Trim	<u>N90917-33-0016</u>	<u>ASME-SA105</u>
Part Stock and Forgings		
Support Rods		
Stem	<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>N90920-32-0014</u>	<u>ASME-SA105</u>
Welding Bolt	<u>N93335-36-0130</u>	<u>ASME-SA193 Gr. B6</u>
Stud	<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. XXXX Bearing Adapter	<u>N90087-48-0299</u>	<u>ASME-SA193 Gr. E6</u>
e. Other parts such as Pilot Components		

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

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 to 30 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

Attachment 1
Sheet 1 of 1

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. 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. 838

NB No. 834

Manufacture Name Crosby

Manufacture Name Crosby

Manufacture Serial No. N57374-00-0010

Manufacture Serial No. N57374-00-0006

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

Dagur Jorgensen
Owner or Owner's Designee, Title

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.

Larry D. Jones
Inspector's Signature

Commissions

NB 9931, NC 1507, ABIN NS

National Board, State, Province, and Endorsements

Date

7/25/03

CROSBY**CROSBY VALVE & GAGE COMPANY**
WRENTHAM, MASSFORM 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-FN Order No. N40643 Contract Date 11/28/71 National Board No. 834
Ebasco Services Inc., 2 Rector St.,
2. Manufactured For Room 840, New York, New York Order No. NY-435078
Name and Address

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. D

5. Relief Orifice Size R Pipe Size 6 Outlet 10
Safety Safety Relief Pilot Lower Actuated Inch Inch Inch Inch

6. Set Pressure (PSIG) 1185 Rated To 6.30

8. Capacity 893160 lbs/hr sat 3 % Overpressure --- Blowdown 4.5% 5% of S.P.

9. Test Pressure (PSI) 1850 Complete Valve N/A

10. The actual design, construction and workmanship comply with ASME Code, Section III

11. 2 Edition 1971 Addenda Date Winter 1972

12. List of Retaining or Pressure Retaining Components

XXXXXX ForgingsSerial No.
IdentificationMaterial
Location

N90909-32-0001

ASME SA105

N90917-33-0001

ASME SA105

XXXXXX Forgings
Bearing Adapter
XXXXXX

N90087-52-0152

ASME SA193 Gr. B6

N90911-32-0009

ASME SA193 Gr. B6

N91167-31-0014

ASME SA182 Type 316

N90919-32-0013

ASME SA105

N90920-33-0012

N93335-34-0052

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	ASTM A689-74
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 representation 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 4/16/80
[Signature] Inspector
Commission No. NB-7795

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

[Signature]
7/25/83

REPAIR/REPLACEMENT SYNOPSIS

Attachment I
Sheet I of I

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
☐ 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 05/07/03

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 Garg
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

Attachment 1
Sheet 1 of 1DATE 06/30/03, REV. 0Repair ☐ Replacement ☒R/R No. 03-02-019Suitability Evaluation Required ☒ Yes ☐ No
(including failed items)EC No. N/AW/O No. 2326431. SYSTEM NAME MS - Main SteamNB No. 59CONSTRUCTION CODE ASME Section IIIEdition 1974Addenda W76Code Class 2CODE CASE See N-5 Data Report2. COMPONENT NAME Hanger/SnubberTag No. MS-H-24

OLD COMPONENT

NEW COMPONENT

P.O. No./Catalog ID. 73477507/73720039P.O. No./Catalog ID. 73477507/73720039Year Built UnknownCode Stamp NoYear Built UnknownCode Stamp NoConst. Code * Edition NAAddenda NAConst. Code * Edition NAAddenda NACode Class Code Cases NACode Class Code Cases NANB No. NANB No. NAManufacture Name UnknownManufacture Name Dubose NESManufacture Serial No. NAManufacture 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 ☐ NoElevated Pressure N/A psiTest Temperature N/A °FApplic. Code Ref. (or Code Case) N/A7. ANI/ANII Review 04/28/03Pre Work Start 04/28/03Work Complete 05/10/038. NIS-2 Prepared 06/30/03ANI/ANII 07/07/03In 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
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

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 E. Jones
Inspector's Signature

Commissions

NB 9931, NC 1507, ABIN NS

National Board, State, Province, and Endorsements

Date

7/1/03

REPAIR/REPLACEMENT SYNOPSIS

Attachment 1
Sheet 1 of 1DATE 06/30/03, REV. 0Repair ☐ Replacement ☒R/R No. 03-02-020Suitability Evaluation Required ☒ Yes ☐ No
(including failed items)EC No. N/AW/O No. 2326441. SYSTEM NAME MS - Main SteamNB No. 59CONSTRUCTION CODE ASME Section IIIEdition 1974Addenda W76Code Class 2CODE CASE See N-5 Data Report2. COMPONENT NAME Hanger/SnubberTag No. MS-H-23

OLD COMPONENT

NEW COMPONENT

P.O. No./Catalog ID. 73477507/73720039P.O. No./Catalog ID. 73477507/73720039Year Built UnknownCode Stamp NoYear Built UnknownCode Stamp NoConst. Code * Edition NAAddenda NAConst. Code * Edition NAAddenda NACode Class Code Cases NACode Class Code Cases NANB No. NANB No. NAManufacture Name UnknownManufacture Name Dubose NESManufacture Serial No. NAManufacture 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 ☐ NoElevated Pressure N/A psiTest Temperature N/A °FApplic. Code Ref. (or Code Case) N/A7. ANI/ANII Review 04/28/03Pre Work Start 05/01/03Work Complete 05/10/038. NIS-2 Prepared 06/30/03ANI/ANII 07/07/03In 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 Dan Hough 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.

Dan Hough
Inspector's Signature

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

Date 7/7/03

REPAIR/REPLACEMENT SYNOPSIS

Attachment 1
Sheet 1 of 1DATE 06/30/03, REV. 0Repair ☐ Replacement ☒R/R No. 03-02-017Suitability Evaluation Required ☒ Yes ☐ No
(including failed items)EC No. N/AW/O No. 2326471. SYSTEM NAME BD - Steam Generator BlowdownNB No. 44CONSTRUCTION CODE ASME Section IIIEdition 1974Addenda W76Code Class 2CODE CASE See N-5 Data Report2. COMPONENT NAME Hanger/SnubberTag No. BD-H-368

OLD COMPONENT

NEW COMPONENT

P.O. No./Catalog ID. 51410801/51411692P.O. No./Catalog ID. 51410801/51411692Year Built UnknownCode Stamp NoYear Built UnknownCode Stamp NoConst. Code * Edition NA Addenda NAConst. Code * Edition NA Addenda NACode Class Code Cases NACode Class Code Cases NANB No. NANB No. NAManufacture Name UnknownManufacture Name Nova Mach Prod CorpManufacture Serial No. NAManufacture 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 ☐ NoElevated Pressure N/A psiTest Temperature N/A °FApplic. Code Ref. (or Code Case) N/A7. ANI/ANII Review 04/28/03Pre Work Start 04/28/03Work Complete 05/10/038. NIS-2 Prepared 06/30/03ANI/ANII 07/07/03In 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 Address Sheet 1 of 2
2. Plant Shearon Harris Nuclear Power Plant Unit 1
Name
P.O. Box 165, New Hill, N.C. 27562-0165 Address WO# 232647
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 Address Authorization No. N/A
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

Danir 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.

Danir 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

Attachment 1
Sheet 1 of 1

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 - PenetrantComplete ☐☐ RT - RadiographyComplete ☐☐ UT - UltrasonicsComplete ☐☒ VT-3 VisualComplete ☒

5. PROGRAM UPDATES REQUIRED

ISI ☐Supports ☐IST ☐ILRT/LLRT ☐FAC ☐

Other

Check Valve ☐

6. SYSTEM PRESSURE TEST REQUIREMENT

☐ Leakage☐ Functional☐ Inservice☐ Hydrostatic☐ PneumaticNominal 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 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 Daphn Hong

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.

Larry 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

Attachment 1
Sheet 1 of 1DATE 06/27/03, REV. 0Repair ☐ Replacement ☒R/R No. 03-02-022Suitability Evaluation Required ☒ Yes ☐ No
(including failed items)EC No. N/AW/O No. 2327911. SYSTEM NAME RH - Residual Heat Removal NB No. 38CONSTRUCTION CODE ASME Section III Edition 1974 Addenda W76 Code Class 2CODE CASE See N-5 Data Report2. COMPONENT NAME Hanger/Snubber Tag No. RH-H-267

OLD COMPONENT

NEW COMPONENT

P.O. No./Catalog ID. 73286304 P.O. No./Catalog ID. 73286304Year Built Unknown Code Stamp No Year Built Unknown Code Stamp NoConst. Code A-194, 2H Edition NA Addenda NA Const. Code A-194, 2H Edition NA Addenda NACode Class Code Cases NA Code Class Code Cases NANB No. NA NB No. NAManufacture Name Coloc Industries Manufacture Name Coloc IndustriesManufacture 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
☐ Functional
☐ Inservice
☐ Hydrostatic
☐ Pneumatic

Nominal Operating Pressure ☐ Yes ☐ NoElevated Pressure N/A psiTest Temperature N/A °FApplic. Code Ref. (or Code Case) N/A7. ANI/ANII Review 05/03/03 Pre Work Start 05/03/03 Work Complete 05/14/038. 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 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 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 Dan 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 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

Attachment 1
Sheet 1 of 1DATE 06/27/03, REV. 0Repair ☐ Replacement ☒R/R No. 03-02-018Suitability Evaluation Required ☒ Yes ☐ No
(including failed items)EC No. N/AW/O No. 2367211. SYSTEM NAME FW - FeedwaterNB No. 54CONSTRUCTION CODE ASME Section IIIEdition 1974Addenda W76Code Class 2CODE CASE See N-5 Data Report2. COMPONENT NAME Hanger/SnubberTag No. FW-H-520

OLD COMPONENT

NEW COMPONENT

P.O. No./Catalog ID. 51410983/73286320P.O. No./Catalog ID. 51410983/73286320Year Built UnknownCode Stamp NoYear Built UnknownCode Stamp NoConst. Code SA/A-194 Edition NA Addenda NA
2HConst. Code SA/A-194 Edition NA Addenda NA
2HCode Class _____ Code Cases NACode Class _____ Code Cases NANB No. NANB No. NAManufacture Name Mackson/Coloc IndustriesManufacture Name Makson/Coloc IndustriesManufacture Serial No. NAManufacture 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 ☐ NoElevated Pressure N/A psiTest Temperature N/A °FApplic. Code Ref. (or Code Case) N/A7. ANI/ANII Review 04/28/03Pre Work Start 04/28/03Work Complete 05/19/038. NIS-2 Prepared 06/27/03ANI/ANII 06/27/03In 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 [Signature]
Owner or Owner's Designee, Title

[Signature] 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.

[Signature]
Inspector's Signature

Commissions NB 9931, NC 1507, ABIN NS

National Board, State, Province, and Endorsements

Date 6/27/03

REPAIR/REPLACEMENT SYNOPSIS

Attachment 1
Sheet 1 of 1DATE 06/27/03, REV. 0Repair ☐ Replacement ☒R/R No. 03-02-055Suitability Evaluation Required ☒ Yes ☐ No
(including failed items)EC No. N/AW/O No. 2368371. SYSTEM NAME AF - Auxiliary FeedwaterNB No. 49CONSTRUCTION CODE ASME Section IIIEdition 1974Addenda W76Code Class 2CODE CASE See N-5 Data Report2. COMPONENT NAME Hanger/SnubberTag No. AF-H-393

OLD COMPONENT

NEW COMPONENT

P.O. No./Catalog ID. 76100700P.O. No./Catalog ID. 76100700Year Built UnknownCode Stamp NoYear Built 1981Code Stamp NoConst. Code ASME III Edition 1971 Addenda S73Const. Code ASME III Edition 1977 Addenda S78Code Class Code Cases NACode Class 1 Code Cases 1644-6NB No. NANB No. NAManufacture Name PSAManufacture Name PSAManufacture Serial No. 11918Manufacture Serial No. 174753. 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 ☐ Supports ☐
IST ☐ ILRT/LLRT ☐
FAC ☐ Other
Check Valve ☐

6. SYSTEM PRESSURE TEST REQUIREMENT

☐ Leakage
☐ Functional
☐ Inservice
☐ Hydrostatic
☐ Pneumatic

Nominal Operating Pressure ☐ Yes ☐ NoElevated Pressure N/A psiTest Temperature N/A °FApplic. Code Ref. (or Code Case) N/A7. ANI/ANII Review 04/29/03Pre Work Start 04/29/03Work Complete 05/08/038. NIS-2 Prepared 06/27/03ANI/ANII 06/27/03In 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 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 *Dayan Dong* for 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.

Harry D. Jones
Inspector's Signature

Commissions NB 9931, NC 1507, ABIN NS

National Board, State, Province, and Endorsements

Date 6/27/23

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

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

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

2. Manufacturer for P.O. Box 9449, Houston, Texas 77011

(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

As 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. 2644-6

Date 5/14/81

Signed Pacific Scientific
(NPT Certificate Holder)

by Frankie A. Nava
(Date)

Our ASME Certificate of Authorization No. N-1193

to use the Component Supports
(NPT)

Symbol expires Aug. 4, 1981
(Date)

CERTIFICATION OF DESIGN

Design Information on File at Pacific Scientific

Stress Report or Load Capacity Data Sheets on File at

Pacific Scientific

Filed Per NA 3256

Design Specifications Certified by (1) Leo E. Ay

PE State California

Reg No. 13533

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

PE State California Reg No. 13533

(1) List name only, signature not required

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

AD, April
6/27/83

Wb# 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 HSB&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.)

ABQ, ANI
6/27/83

REPAIR/REPLACEMENT SYNOPSIS

Attachment 1
Sheet 1 of 1DATE 06/27/03, REV. 0Repair ☐ Replacement ☒R/R No. 03-02-051Suitability Evaluation Required ☒ Yes ☐ No
(including failed items)EC No. N/AW/O No. 2391401. SYSTEM NAME SI - Safety InjectionNB No. 46CONSTRUCTION CODE ASME Section IIIEdition 1974Addenda W76Code Class 2CODE CASE See N-5 Data Report2. COMPONENT NAME Hanger/SnubberTag No. SI-H-591

OLD COMPONENT

NEW COMPONENT

P.O. No./Catalog ID. 76100262P.O. No./Catalog ID. 76100262Year Built 1980Code Stamp NoYear Built 1985Code Stamp NoConst. Code ASME III Edition 1977 Addenda W77Const. Code ASME III Edition 1977 Addenda W78Code Class 1Code Cases 1644-7Code Class 1Code Cases 1644-7NB No. NANB No. NAManufacture Name PSAManufacture Name PSAManufacture Serial No. 14911Manufacture Serial No. 370883. 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 ☐ NoElevated Pressure N/A psiTest Temperature N/A °FApplic. Code Ref. (or Code Case) N/A7. ANI/ANII Review 04/30/03Pre Work Start 04/30/03Work Complete 05/08/038. NIS-2 Prepared 06/27/03ANI/ANII 07/07/03In 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 Long
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.

Larry D. Jones
Inspector's Signature

Commissions

NB 9931, NC 1507, ABIN NS

National Board, State, Province, and Endorsements

Date

7/7/03

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

DN 612163
37084
W# 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 WTT 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 Capa- city Data Sheet	(e) Type of Component Support	(f) Class	(g) Nat'l Board No.	(h) Year Built
(1) 37956	None	1801104-05-7	DR 1412-Rev. 0	Linear	1	None	1985
(2) thru							
(3) 37697	"	"	"	"	"	"	"
(4)							
(5)							
(6)							
(7)							
(8)							
(9)							
(10)							

5. Remarks Inspection Test Reports, QTR'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 1/1/78 Signed Pacific Scientific by 37084 (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, Stress and Capacity Data Sheets on File at Pacific Scientific
Filed Per NCA 2256

Design/Code Review Certified by (1) Leo E. Ay PE State California
Reg. No. 12823

Stress Analysis Report or Load Capacity Data Sheets Certified by (1) Leo E. Ay
PE State California Reg. No. 12823

Signature of Engineer not required

*Supplementary 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
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

AN 1108
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.
 (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 CHID and employed by [Blank] of [Blank] have compared the statements in this Data Report with the described component supports and state that the parts referred to as data items [Blank], 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 [Blank]

Signature [Blank] Commissions [Blank]
 (Natl Bd, State, Prov., and No.)

[Signature] 7/1/63

REPAIR/REPLACEMENT SYNOPSIS

Attachment 1
Sheet 1 of 1DATE 06/27/03, REV. 0Repair ☐ Replacement ☒R/R No. 03-02-050Suitability Evaluation Required ☒ Yes ☐ No
(including failed items)EC No. N/AW/O No. 2391441. SYSTEM NAME SI - Safety InjectionNB No. 46CONSTRUCTION CODE ASME Section IIIEdition 1974Addenda W76Code Class 2CODE CASE See N-5 Data Report2. COMPONENT NAME Hanger/SnubberTag No. SI-H-23

OLD COMPONENT

NEW COMPONENT

P.O. No./Catalog ID. 76097344P.O. No./Catalog ID. 76097344Year Built 1979Code Stamp NoYear Built 1985Code Stamp NoConst. Code ASME III Edition 1977 Addenda S78Const. Code ASME III Edition 1977 Addenda W78Code Class 1Code Cases 1644-6Code Class 1Code Cases 1644-7NB No. NANB No. NAManufacture Name PSAManufacture Name PSAManufacture Serial No. 6228Manufacture Serial No. 170743. 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 ☐ NoElevated Pressure N/A psiTest Temperature N/A °FApplic. Code Ref. (or Code Case) N/A7. ANI/ANII Review 05/02/03Pre Work Start 05/02/03Work Complete 05/08/038. NIS-2 Prepared 06/27/03ANI/ANII 06/27/03In 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 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 *Bojia Gong* in Equipment Performance Supervisor
Owner or Owner's Designee, Title

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.

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*

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

W0# 239144 sheet 3 of 4

17877 P.D. 6/27/03

#1C

AIN-TECH DIVISION

1 Manufactured by 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 Capac- ity 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 1/23/85 Signed Pacific Scientific Co.

(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) 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 & 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

(10/77)

This form (E00075) may be obtained from the Order Dept., ASME, 345 E. 47th St., New York, N.Y. 10017

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

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 William F. Rupp Commissions CA 1520 / CHIC 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 CHIO 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. J. ANH
6/27/03

REPAIR/REPLACEMENT SYNOPSIS

Attachment 1
Sheet 1 of 1DATE 06/27/03, REV. 0Repair ☐ Replacement ☒R/R No. 03-02-052Suitability Evaluation Required ☒ Yes ☐ No
(including failed items)EC No. N/AW/O No. 2391461. SYSTEM NAME RH - Residual Heat RemovalNB No. 38CONSTRUCTION CODE ASME Section III Edition 1974 Addenda W76 Code Class 2CODE CASE See N-5 Data Report2. COMPONENT NAME Hanger/SnubberTag No. RH-H-316B

OLD COMPONENT

NEW COMPONENT

P.O. No./Catalog ID. 76100700P.O. No./Catalog ID. 76100700Year Built 1981 Code Stamp NoYear Built 1981 Code Stamp NoConst. Code ASME III Edition 1977 Addenda S78Const. Code ASME III Edition 1977 Addenda S78Code Class 1 Code Cases 1644-6Code Class 1 Code Cases 1644-6NB No. NANB No. NAManufacture Name PSAManufacture Name PSAManufacture Serial No. 18600Manufacture Serial No. 164153. 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

<input type="checkbox"/> MT - Mag. Part.	Complete <input type="checkbox"/>
<input type="checkbox"/> PT - Penetrant	Complete <input type="checkbox"/>
<input type="checkbox"/> RT - Radiography	Complete <input type="checkbox"/>
<input type="checkbox"/> UT - Ultrasonics	Complete <input type="checkbox"/>
<input checked="" type="checkbox"/> VT-3 Visual	Complete <input checked="" type="checkbox"/>

5. PROGRAM UPDATES REQUIRED

ISI <input type="checkbox"/>	Supports <input type="checkbox"/>
IST <input type="checkbox"/>	ILRT/LLRT <input type="checkbox"/>
FAC <input type="checkbox"/>	Other <input type="checkbox"/>
Check Valve <input type="checkbox"/>	

6. SYSTEM PRESSURE TEST REQUIREMENT

<input type="checkbox"/> Leakage
<input type="checkbox"/> Functional
<input type="checkbox"/> Inservice
<input type="checkbox"/> Hydrostatic
<input type="checkbox"/> Pneumatic

Nominal Operating Pressure ☐ Yes ☐ NoElevated Pressure N/A psiTest Temperature N/A °FApplic. Code Ref. (or Code Case) N/A7. ANI/ANII Review 05/01/03 Pre Work Start 05/01/03 Work Complete 05/08/038. 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 Dogun 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

W# 239146 sheet 3 of 4

11/4/78 DA 612162

FORM NPT-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 Caps Data Sheet	(e) Type of Component Support	(f) Class	(g) Nat'l Board No.	(h) Year Built
(1) 16356-16455	None	1901106-05-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. 16356-6
Date 9/15/78 Signed Pacific Scientific by Rosalie A. Nava
(NPT Certificate Holder)
See ASME Certificate of Authorization No. 1198 to use the Component Support
Serial report 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 AS 3256
Design Information Certified by Leo E. Ay PE State California
File No. 13533
Stress Analysis Report and Load Capacity Data Sheets Certified by Leo E. Ay
Address California Reg. No. 13533
Signature Leo E. Ay

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

11/27/03

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

3/10

I have inspected the component supports described in this Data Report on
Date 3/10/81 and state that to the best of my knowledge and belief the NPT Certificate Holder has constructed these component supports in accordance
with the ASME Code for Nuclear Power Plant Components.

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

Date

3/10/81

Signed

William Meyer

Commissions

Ca #1494

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

CERTIFICATION OF FIELD INSPECTION

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

_____ have compared the statements in this Data Report with the described component supports and state
that the parts referred to as data items _____ not included in the certificate of shop inspection, have been
inspected by me and that to the best of my knowledge and belief the NPT Certificate Holder has constructed these component supports in 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.)

J. J. R. 11
4/27/83

REPAIR/REPLACEMENT SYNOPSIS

Attachment 1
Sheet 1 of 1DATE 07/14/03, REV. 0Repair ☐ Replacement ☒R/R No. 03-02-002Suitability Evaluation Required ☒ Yes ☐ No
(including failed items)EC No. N/AW/O No. 2391521. SYSTEM NAME MS - Main SteamNB No. 59CONSTRUCTION CODE ASME Section IIIEdition 1974Addenda W76Code Class 2CODE CASE See N-5 Data Report2. COMPONENT NAME Hanger/SnubberTag No. MS-H-92A

OLD COMPONENT

NEW COMPONENT

P.O. No./Catalog ID. NAP.O. No./Catalog ID. NAYear Built 1980Code Stamp NoYear Built 1981Code Stamp NoConst. Code ASME III Edition 1977 Addenda S78Const. Code ASME III Edition 1977 Addenda S78Code Class 1Code Cases 1644-6Code Class 1Code Cases 1644-6NB No. NANB No. NAManufacture Name PSAManufacture Name PSAManufacture Serial No. 12496Manufacture Serial No. 175163. 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 ☐ NoElevated Pressure N/A psiTest Temperature N/A °FApplic. Code Ref. (or Code Case) N/A7. ANI/ANII Review 04/27/03Pre Work Start 04/27/03Work Complete 05/08/038. NIS-2 Prepared 07/14/03ANI/ANII 07/14/03In 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 [Signature] Equipment Performance Supervisor
Owner or Owner's Designee, Title

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

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

2. Manufacturer for P.O. Box 9449, Houston, Texas 77011

Sheet 3 of 4

(Name and address of purchaser or owner)

3. Location of Installation Unknown

4. Identification

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

5. Remarks

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 5/14/81 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

7/14/83

WPH 23952
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 1981 and state that to the best of my knowledge and belief the NPT Certificate Holder has constructed these component supports in accordance with the ASME Code for Nuclear Power Plant Components.

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

Date 5-14-81

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

CERTIFICATION OF FIELD INSPECTION

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

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

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

Date _____

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

220
7/14/83

REPAIR/REPLACEMENT SYNOPSIS

Attachment I
Sheet I of IDATE 06/30/03, REV. 0Repair ☐ Replacement ☒R/R No. 03-02-103Suitability Evaluation Required ☒ Yes ☐ No
(including failed items)EC No. N/AW/O No. 2391531. SYSTEM NAME MS - Main SteamNB No. 59CONSTRUCTION CODE ASME Section IIIEdition 1974Addenda W76Code Class 2CODE CASE See N-5 Data Report2. COMPONENT NAME Hanger/SnubberTag No. MS-H-7B

OLD COMPONENT

NEW COMPONENT

P.O. No./Catalog ID. 76153626P.O. No./Catalog ID. 76153626Year Built Unknown Code Stamp NoYear Built Unknown Code Stamp NoConst. Code CAR-SH- Edition NA Addenda NA
M-30Const. Code ASME III Edition 1974 Addenda W76Code Class _____ Code Cases NACode Class _____ Code Cases 1644-5, 1686NB No. NANB No. NAManufacture Name PSAManufacture Name PSAManufacture Serial No. 1892Manufacture Serial No. 6573. 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

<input type="checkbox"/> MT - Mag. Part.	Complete <input type="checkbox"/>
<input type="checkbox"/> PT - Penetrant	Complete <input type="checkbox"/>
<input type="checkbox"/> RT - Radiography	Complete <input type="checkbox"/>
<input type="checkbox"/> UT - Ultrasonics	Complete <input type="checkbox"/>
<input checked="" type="checkbox"/> VT-3 Visual	Complete <input checked="" type="checkbox"/>

5. PROGRAM UPDATES REQUIRED

ISI <input type="checkbox"/>	Supports <input type="checkbox"/>
IST <input type="checkbox"/>	ILRT/LLRT <input type="checkbox"/>
FAC <input type="checkbox"/>	Other _____
Check Valve <input type="checkbox"/>	

6. SYSTEM PRESSURE TEST REQUIREMENT

<input type="checkbox"/> Leakage
<input type="checkbox"/> Functional
<input type="checkbox"/> Inservice
<input type="checkbox"/> Hydrostatic
<input type="checkbox"/> Pneumatic

Nominal Operating Pressure ☐ Yes ☐ NoElevated Pressure N/A psiTest Temperature N/A °FApplic. Code Ref. (or Code Case) N/A7. ANI/ANII Review 04/26/03Pre Work Start 04/26/03Work Complete 05/15/038. NIS-2 Prepared 06/30/03ANI/ANII 07/07/03In 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 3
Address
2. Plant Shearon Harris Nuclear Power Plant Unit 1
Name
P.O. Box 165, New Hill, N.C. 27562-0165 WO# 239153
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	1892	NA	MS-H-7B PN 76153626	Unknown	Replaced	No
Snubber	PSA	657	NA	MS-H-7B PN 76153626	Unknown	Replacement	No

7. Description of Work: Replaced snubber on hanger MS-H-7B.
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 Dagur J. Jorgensen
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.

Dagur J. Jorgensen
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

400
**PACIFIC
SCIENTIFIC**

CERTIFICATE OF COMPLIANCE

Wo # 239153
Sheet 3 of 3

BERGEN PATERSON PIPESUPPORT CORP.

C-26006-12

Customer

Customer P.O.

1801119-09 PSA-100 Snubbers

ANC 30448-02

Part Number(s)

PSCo ANC(s)

20

649-668

Quantity Shipped

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.

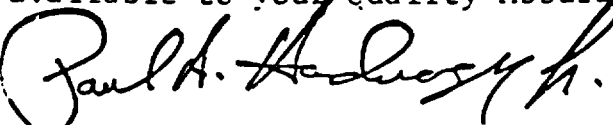
Code cases applicable: 1644-5 and 1686.

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. Hadrnagy, Q.A. Manager

Subscribed and sworn to before me

this _____ day of _____.

(Notary)

Form #213 4/19/76

1346 S. State College Boulevard, Anaheim, California 92803, (714) 774-6217, TELEX 65-6421

Handwritten: ASDQ, April 7/7/76

REPAIR/REPLACEMENT SYNOPSIS

Attachment 1
Sheet 1 of 1DATE 07/14/03, REV. 0Repair ☐ Replacement ☒R/R No. 03-02-001Suitability Evaluation Required ☒ Yes ☐ No
(including failed items)EC No. N/AW/O No. 2391571. SYSTEM NAME AF - Auxiliary FeedwaterNB No. 49CONSTRUCTION CODE ASME Section IIIEdition 1974Addenda W76Code Class 2CODE CASE See N-5 Data Report2. COMPONENT NAME Hanger/SnubberTag No. AF-H-670

OLD COMPONENT

NEW COMPONENT

P.O. No./Catalog ID. NAP.O. No./Catalog ID. NAYear Built 1981Code Stamp NoYear Built 1980Code Stamp NoConst. Code ASME III Edition 1977 Addenda S78Const. Code ASME III Edition 1977 Addenda S78Code Class 1Code Cases 1644-6Code Class 1Code Cases 1644-6NB No. NANB No. NAManufacture Name PSAManufacture Name PSAManufacture Serial No. 17563Manufacture Serial No. 124863. 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☐ PneumaticNominal Operating Pressure ☐ Yes ☐ NoElevated Pressure N/A psiTest Temperature N/A °FApplic. Code Ref. (or Code Case) N/A7. ANI/ANII Review 04/30/03Pre Work Start 04/30/03Work Complete 05/08/038. NIS-2 Prepared 07/14/03ANI/ANII 07/14/03In 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 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

Owner or Owner's Designee, Title

for 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.

Inspector's Signature

Commissions

NB 9931, NC 1507, ABIN NS

National Board, State, Province, and Endorsements

Date

7/14/03

FORM NPT-1 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.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 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 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

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 5/9/80 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

Attachment 1
Sheet 1 of 1DATE 06/27/03, REV. 0Repair ☐ Replacement ☒R/R No. 03-02-053Suitability Evaluation Required ☒ Yes ☐ No
(including failed items)EC No. N/AW/O No. 2391681. SYSTEM NAME CT - Containment Spray NB No. 63CONSTRUCTION CODE ASME Section III Edition 1974 Addenda W76 Code Class 2CODE CASE See N-5 Data Report2. COMPONENT NAME Hanger/Snubber Tag No. CT-H-290D

OLD COMPONENT

NEW COMPONENT

P.O. No./Catalog ID. 76100742 P.O. No./Catalog ID. 76100742Year Built 1980 Code Stamp No Year Built 1982 Code Stamp NoConst. Code ASME III Edition 1977 Addenda S78 Const. Code ASME III Edition 1977 Addenda W78Code Class 1 Code Cases 1644-6 Code Class 1 Code Cases 1644-7NB No. NA NB No. NAManufacture Name PSA Manufacture Name PSAManufacture Serial No. 10974 Manufacture Serial No. 248743. 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 ☐ Supports ☐
IST ☐ ILRT/LLRT ☐
FAC ☐ Other _____
Check Valve ☐

6. SYSTEM PRESSURE TEST REQUIREMENT

☐ Leakage
☐ Functional
☐ Inservice
☐ Hydrostatic
☐ Pneumatic

Nominal Operating Pressure ☐ Yes ☐ NoElevated Pressure N/A psiTest Temperature N/A °FApplic. Code Ref. (or Code Case) N/A7. ANI/ANII Review 05/02/03 Pre Work Start 05/02/03 Work Complete 05/08/038. 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 Danir 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.

Sandy L. Jones
Inspector's Signature

Commissions NB 9931, NC 1507, ABIN NS

National Board, State, Province, and Endorsements

Date 6/27/03

Wb # 239168

Sheet 3 of 4

248911 D.A. 6/21/03
#3

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) Design Revision	(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 8/19/82 Signed Pacific Scientific by Don W. A. Nara
(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 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

248911
6/21/03

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 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 Carly 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.)

RA 1526
4/21/83

REPAIR/REPLACEMENT SYNOPSIS

Attachment 1
Sheet 1 of 1DATE 06/27/03, REV. 0Repair ☐ Replacement ☒R/R No. 03-02-054Suitability Evaluation Required ☒ Yes ☐ No
(including failed items)EC No. N/AW/O No. 2391701. SYSTEM NAME CT - Containment SprayNB No. 63CONSTRUCTION CODE ASME Section IIIEdition 1974Addenda W76Code Class 2CODE CASE See N-5 Data Report2. COMPONENT NAME Hanger/SnubberTag No. CT-H-290C

OLD COMPONENT

NEW COMPONENT

P.O. No./Catalog ID. 76100742P.O. No./Catalog ID. 76100742Year Built 1980Code Stamp NoYear Built 1980Code Stamp NoConst. Code ASME III Edition 1977 Addenda S78Const. Code ASME III Edition 1977 Addenda S78Code Class 1 Code Cases 1644-6Code Class 1 Code Cases 1644-6NB No. NANB No. NAManufacture Name PSAManufacture Name PSAManufacture Serial No. 10932Manufacture Serial No. 88023. 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

<input type="checkbox"/> MT - Mag. Part.	Complete <input type="checkbox"/>
<input type="checkbox"/> PT - Penetrant	Complete <input type="checkbox"/>
<input type="checkbox"/> RT - Radiography	Complete <input type="checkbox"/>
<input type="checkbox"/> UT - Ultrasonics	Complete <input type="checkbox"/>
<input checked="" type="checkbox"/> VT-3 Visual	Complete <input checked="" type="checkbox"/>

5. PROGRAM UPDATES REQUIRED

ISI <input type="checkbox"/>	Supports <input type="checkbox"/>
IST <input type="checkbox"/>	ILRT/LLRT <input type="checkbox"/>
FAC <input type="checkbox"/>	Other <input type="checkbox"/>
Check Valve <input type="checkbox"/>	

6. SYSTEM PRESSURE TEST REQUIREMENT

<input type="checkbox"/> Leakage
<input type="checkbox"/> Functional
<input type="checkbox"/> Inservice
<input type="checkbox"/> Hydrostatic
<input type="checkbox"/> Pneumatic

Nominal Operating Pressure ☐ Yes ☐ NoElevated Pressure N/A psiTest Temperature N/A °FApplic. Code Ref. (or Code Case) N/A7. ANI/ANII Review 05/02/03Pre Work Start 05/02/03Work Complete 05/08/038. NIS-2 Prepared 06/27/03ANI/ANII 06/27/03In 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 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
ASME Code, Section XI.
repair or replacement

Type Code Symbol Stamp N/A

Certificate of Authorization No. N/A

Expiration Date N/A

Signed Dan Harg 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.

Dan Harg
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

Manufacturer: Pacific Scientific 1346 S. State College Blvd. Anaheim, Ca. 92803

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

P.O. Box 9449, Houston, Texas 77011

Manufacturers, Inc. Agents for: (Name and address of purchaser or owner)

Carolina Power & Light Shearon Harris Nuclear Plants Newhall, Wake County, N. Carolina 27562

Location of installation

4 Identification

(a) Component Support I.D. No.	(b) Canadian Registration No.	(c) Applicable Drawings with Last Rev. & Date	(d) Stress Report or Load Capacity Data Sheet	(e) Type of Component Support	(f) Class	(g) NPT Board No.	(h) Year Built
8756-2813	None	1901104-07-H	DR-1347-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 1977, Addenda Summer '78.

Draw Code No. 1196

Date 14 May 1980 Signed Pacific Scientific

(NPT Certificate Holder)

1196

by Bill Jenkins

Use ASME Certificate of Authorization No.

to use the

Component Supports

(NPT)

Expiry date Aug. 4, 1980

(NPT)

CERTIFICATION OF DESIGN

Design information on file at

Pacific Scientific

Stress Report or Load Capacity Data Sheets on file at

Pacific Scientific

Filed for DR 3236

Design Specification Certified by (1)

Leo E. Ay

of State

California

Reg. No.

1196

Stress Report or Load Capacity Data Sheets Certified by (1)

Leo E. Ay

State

California

Reg. No.

1196

(1) Last name, 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, 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.

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
 Florida and employed by
 HSR&I Co. of Hartford, CT

have inspected the component supports described in this Data Report on
 5/14/80 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.

5/14/80
 William Meyer
 Commissions Co. #1494
 (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 of
 Florida 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 NPI 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.

27, R111
 6/27/83

REPAIR/REPLACEMENT SYNOPSIS

Attachment 1
Sheet 1 of 1DATE 06/27/03, REV. 0Repair ☐ Replacement ☒R/R No. 03-02-056Suitability Evaluation Required ☒ Yes ☐ No
(including failed items)EC No. N/AW/O No. 2391731. SYSTEM NAME CS - Chemical Volume ControlNB No. 48CONSTRUCTION CODE ASME Section IIIEdition 1974Addenda W76Code Class 2CODE CASE See N-5 Data Report2. COMPONENT NAME Hanger/SnubberTag No. CS-H-402

OLD COMPONENT

NEW COMPONENT

P.O. No./Catalog ID. 76100742P.O. No./Catalog ID. 76100742Year Built 1981 Code Stamp NoYear Built 1980 Code Stamp NoConst. Code ASME III Edition 1977 Addenda S78Const. Code ASME III Edition 1977 Addenda S78Code Class 1 Code Cases 1644-6Code Class 1 Code Cases 1644-6NB No. NANB No. NAManufacture Name PSAManufacture Name PSAManufacture Serial No. 16099Manufacture Serial No. 110133. 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

<input type="checkbox"/> MT - Mag. Part.	Complete <input type="checkbox"/>
<input type="checkbox"/> PT - Penetrant	Complete <input type="checkbox"/>
<input type="checkbox"/> RT - Radiography	Complete <input type="checkbox"/>
<input type="checkbox"/> UT - Ultrasonics	Complete <input type="checkbox"/>
<input checked="" type="checkbox"/> VT-3 Visual	Complete <input checked="" type="checkbox"/>

5. PROGRAM UPDATES REQUIRED

ISI <input type="checkbox"/>	Supports <input type="checkbox"/>
IST <input type="checkbox"/>	ILRT/LLRT <input type="checkbox"/>
FAC <input type="checkbox"/>	Other <input type="checkbox"/>
Check Valve <input type="checkbox"/>	

6. SYSTEM PRESSURE TEST REQUIREMENT

<input type="checkbox"/> Leakage
<input type="checkbox"/> Functional
<input type="checkbox"/> Inservice
<input type="checkbox"/> Hydrostatic
<input type="checkbox"/> Pneumatic

Nominal Operating Pressure ☐ Yes ☐ NoElevated Pressure N/A psiTest Temperature N/A °FApplic. Code Ref. (or Code Case) N/A7. ANI/ANII Review 04/30/03Pre Work Start 04/30/03Work Complete 05/08/038. NIS-2 Prepared 06/27/03ANI/ANII 06/27/03In 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.
Type Code Symbol Stamp N/A
3. Work Performed By Progress Energy Authorization No. N/A
Name
P.O. Box 165, New Hill, N.C. 27562-0165 Expiration Date N/A
Address
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 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

Deyin Gong
Owner or Owner's Designee, Title

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.

Sam J. Jones
Inspector's Signature

Commissions

NB 9931, NC 1507, ABIN NS

National Board, State, Province, and Endorsements

Date 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

DA 4111
10995
W04239173
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) Carolina Power & Light
3. Location of Installation Shearon Harris Nuclear Plants, Newhall, Wake County, N. Carolina 27562
4. Identification

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

5. Remarks

CERTIFICATE OF COMPLIANCE

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

Code Case No. 1644-6

Date 23 May 1980

Signed

Pacific Scientific

by

Bill Jenkins

(NPT Certificate Holder)

Our ASME Certificate of Authorization No

1193

to use the

Component Supports

(NPT)

Symbol expires

Aug. 4, 1981

(Date)

CERTIFICATION OF DESIGN

Design Information on File at Pacific Scientific

Stress Report or Load Capacity Data Sheets on File at

Pacific Scientific

Filed Per NA 3256

Design Specifications Certified by (1)

Leo E. Ay

PE State

California

Reg No 13533

Stress Analysis Report or Load Capacity Data Sheets Certified by (1)

Leo E. Ay

PE State

California

Reg No

13533

(1) List name only, signature not required

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

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 USRYET 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 statement 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.)

29, April
6/27/83

REPAIR/REPLACEMENT SYNOPSIS

Attachment I
Sheet 1 of 1DATE 06/27/03, REV. 0Repair ☐ Replacement ☒R/R No. 03-02-057Suitability Evaluation Required ☒ Yes ☐ No
(including failed items)EC No. N/AW/O No. 2391741. SYSTEM NAME CS - Chemical Volume ControlNB No. 48CONSTRUCTION CODE ASME Section IIIEdition 1974Addenda W76Code Class 2CODE CASE See N-5 Data Report2. COMPONENT NAME Hanger/SnubberTag No. CS-H-432

OLD COMPONENT

NEW COMPONENT

P.O. No./Catalog ID. 76100700P.O. No./Catalog ID. 76100700Year Built 1983 Code Stamp NoYear Built 1980 Code Stamp NoConst. Code ASME III Edition 1977 Addenda W78Const. Code ASME III Edition 1977 Addenda S78Code Class 1 Code Cases 1644-7Code Class 1 Code Cases 1644-6NB No. NANB No. NAManufacture Name PSAManufacture Name PSAManufacture Serial No. 18607Manufacture Serial No. 125243. 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

<input type="checkbox"/> MT - Mag. Part.	Complete <input type="checkbox"/>
<input type="checkbox"/> PT - Penetrant	Complete <input type="checkbox"/>
<input type="checkbox"/> RT - Radiography	Complete <input type="checkbox"/>
<input type="checkbox"/> UT - Ultrasonics	Complete <input type="checkbox"/>
<input checked="" type="checkbox"/> VT-3 Visual	Complete <input checked="" type="checkbox"/>

5. PROGRAM UPDATES REQUIRED

ISI <input type="checkbox"/>	Supports <input type="checkbox"/>
IST <input type="checkbox"/>	ILRT/LLRT <input type="checkbox"/>
FAC <input type="checkbox"/>	Other <input type="checkbox"/>
Check Valve <input type="checkbox"/>	

6. SYSTEM PRESSURE TEST REQUIREMENT

<input type="checkbox"/> Leakage
<input type="checkbox"/> Functional
<input type="checkbox"/> Inservice
<input type="checkbox"/> Hydrostatic
<input type="checkbox"/> Pneumatic

Nominal Operating Pressure ☐ Yes ☐ NoElevated Pressure N/A psiTest Temperature N/A °FApplic. Code Ref. (or Code Case) N/A7. ANI/ANII Review 04/30/03Pre Work Start 04/30/03Work Complete 05/08/038. NIS-2 Prepared 06/27/03ANI/ANII 06/27/03In 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 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]
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

1. Manufactured by Pacific Scientific 1346 S. State College Blvd. Anaheim, Ca. 92803 *work 239/74 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 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 Capa- city Data Sheet	(e) Type of Component Support	(f) Class	(g) Nat'l Board No.	(h) Year Built
(1) 12473-12614	None	1801106-CS-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 1977, 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, 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 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" 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.

*AKQ, AMH
6/27/83*

204-239174

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 5/9/80 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)

204-239174
 4/27/03

REPAIR/REPLACEMENT SYNOPSIS

Attachment 1
Sheet 1 of 1DATE 06/27/03, REV. 0Repair ☐ Replacement ☒R/R No. 03-02-058Suitability Evaluation Required ☒ Yes ☐ No
(including failed items)EC No. N/AW/O No. 2394641. SYSTEM NAME SI - Safety InjectionNB No. 46CONSTRUCTION CODE ASME Section IIIEdition 1974Addenda W76Code Class 2CODE CASE See N-5 Data Report2. COMPONENT NAME Hanger/SnubberTag No. SI-H-237

OLD COMPONENT

NEW COMPONENT

P.O. No./Catalog ID. 76100742P.O. No./Catalog ID. 76100742Year Built Unknown Code Stamp NoYear Built 1981 Code Stamp NoConst. Code ASME III Edition 1974 Addenda W76Const. Code ASME III Edition 1977 Addenda S78

Code Class _____ Code Cases _____

Code Class 1 Code Cases 1644-6NB No. NANB No. NAManufacture Name PSAManufacture Name PSAManufacture Serial No. 7712Manufacture Serial No. 156413. 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 ☐ Supports ☐
IST ☐ ILRT/LLRT ☐
FAC ☐ Other _____
Check Valve ☐

6. SYSTEM PRESSURE TEST REQUIREMENT

☐ Leakage
☐ Functional
☐ Inservice
☐ Hydrostatic
☐ Pneumatic

Nominal Operating Pressure ☐ Yes ☐ NoElevated Pressure N/A psiTest Temperature N/A °FApplic. Code Ref. (or Code Case) N/A7. ANI/ANII Review 05/01/03Pre Work Start 05/01/03Work Complete 05/08/038. NIS-2 Prepared 06/27/03ANI/ANII 06/27/03In 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# 239464
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	7712	NA	SI-H-237 PN 76100742	Unknown	Replaced	No
Snubber	PSA	15641	NA	SI-H-237 PN 76100742	1981	Replacement	No

7. Description of Work: Replaced snubber on hanger SI-H-237.
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
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

• DN 6/21/03
~~15666~~
W04 239464
sheet 3 of 4

sheet 3 of 4

1. *Chlorophyll a*

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. 1546-E (Date)
Date 5/23/81 Signed Pacific Scientific by Frank A. Natta
(NPT Certificate Holder)
Our ASME Certificate of Authorization No. N-1193 to use the Component Supports
(NPT)
Symbol expires Aug. 4, 1981
(Date)

1. Name of Information on File at Pacific Scientific

2. Name of Report or Data Sheet on File at
Pacific Scientific
Wildl. No. W-2256

3. Name of Person or Firm by Whom Leo E. Ay of State California

4. File No. 12533

5. Name of Person or Firm by Whom Data Sheet Certified by (1) Leo E. Ay
of State California File No. 12533

6. Remarks (If any, type data not required)

7. Approval of Data Sheet. Forms of data, tables or drawings may be used provided (1) size is 8 1/2 x 11, (2) information in items 1-5 is included on this Data Sheet or is included on each sheet, and (3) each sheet is numbered and number of sheets is recorded at top of sheet.

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 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.)

RDJ, AMH
6/27/83

REPAIR/REPLACEMENT SYNOPSIS

Attachment 1
Sheet 1 of 1DATE 07/14/03, REV. 0Repair ☐ Replacement ☒R/R No. 03-02-068Suitability Evaluation Required ☒ Yes ☐ No
(including failed items)EC No. N/AW/O No. 3638231. SYSTEM NAME MS - Main SteamNB No. 59CONSTRUCTION CODE ASME Section IIIEdition 1974Addenda W76Code Class 2CODE CASE See N-5 Data Report2. COMPONENT NAME ValveTag No. 1MS-49

OLD COMPONENT

NEW COMPONENT

P.O. No./Catalog ID. 9220092242P.O. No./Catalog ID. 9220092242Year Built Unknown Code Stamp YesYear Built Unknown Code Stamp YesConst. Code ASME III Edition 1971 Addenda W72Const. Code ASME III Edition 1971 Addenda W72Code Class 2 Code Cases NACode Class 2 Code Cases NANB No. 846NB No. 849Manufacture Name CrosbyManufacture Name CrosbyManufacture Serial No. N57374-00-0011Manufacture Serial No. N57374-00-00143. 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 ☐ NoElevated Pressure N/A psiTest Temperature 551.7 °FApplic. Code Ref. (or Code Case) N/A7. ANI/ANII Review 04/27/03Pre Work Start 04/27/03Work Complete 06/15/038. NIS-2 Prepared 07/14/03ANI/ANII 07/14/03In 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 is 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

for 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

WD# 363823

Sheet 3 of 4

CROSBY**CROSBY VALVE & GAGE COMPANY**
WRENTHAM, MASSFORM 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 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 (N/A) 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

	Serial No. Identification	Material Specification Including Type or Grade
a. XXXXXX Forgings		
Body	<u>N90909-32-0004</u>	<u>ASME-SA105</u>
Bonnet	<u>N90917-33-0009</u>	<u>ASME-SA105</u>
b. Bar Stock and Forgings		
Support Rods		
Nozzle	<u>N90911-32-0017</u>	<u>ASME-SA182 Gr. F316</u>
Disc Inlet	<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>N88895-60-0340</u>	<u>ASTM-A-193-73 Gr. B6</u> <u>ASME-SA193 Gr. B6</u>

WO # 363823
Sheet 4 of 4

	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. XXXXXX 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>

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) Commissions NB-7795
National Board, State, Province and No.

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

REPAIR/REPLACEMENT SYNOPSIS

Attachment 1
Sheet 1 of 1DATE 07/08/03, REV. 0Repair ☐ Replacement ☒R/R No. 03-02-087Suitability Evaluation Required ☒ Yes ☐ No
(including failed items)EC No. N/AW/O No. 4047911. SYSTEM NAME SI - Safety InjectionNB No. 46CONSTRUCTION CODE ASME Section IIIEdition 1974Addenda W76Code Class 2CODE CASE See N-5 Data Report2. COMPONENT NAME Hanger/SnubberTag No. SI-H-1160/1161

OLD COMPONENT

NEW COMPONENT

P.O. No./Catalog ID. 01491663/73286346P.O. No./Catalog ID. 01491663/73286346Year Built UnknownCode Stamp NoYear Built UnknownCode Stamp NoConst. Code * Edition NA Addenda NAConst. Code * Edition NA Addenda NACode Class Code Cases NACode Class Code Cases NANB No. NANB No. NAManufacture Name UnknownManufacture Name Dubose and Coloc Ind.Manufacture Serial No. NAManufacture Serial No. NA

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 ☐ NoElevated Pressure N/A psiTest Temperature N/A °FApplic. Code Ref. (or Code Case) N/A7. ANI/ANII Review 05/08/03Pre Work Start 05/08/03Work Complete 05/19/038. NIS-2 Prepared 07/08/03ANI/ANII 07/07/03In 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 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 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 [Signature]
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.

[Signature]
Inspector's Signature

Commissions NB 9931, NC 1507, ABIN NS

National Board, State, Province, and Endorsements

Date 7/9/03

REPAIR/REPLACEMENT SYNOPSIS

Attachment 1
Sheet 1 of 1DATE 06/27/03, REV. 0Repair ☐ Replacement ☒R/R No. 03-02-094Suitability Evaluation Required ☒ Yes ☐ No
(including failed items)EC No. N/AW/O No. 4050581. SYSTEM NAME SI - Safety InjectionNB No. 46CONSTRUCTION CODE ASME Section IIIEdition 1974Addenda W76Code Class 2CODE CASE See N-5 Data Report2. COMPONENT NAME Hanger/SnubberTag No. SI-H-1160A/B

OLD COMPONENT

NEW COMPONENT

P.O. No./Catalog ID. 76100742P.O. No./Catalog ID. 76100742Year Built 1980 Code Stamp NoYear Built 1979/1980 Code Stamp NoConst. Code ASME III Edition 1977 Addenda S78Const. Code ASME III Edition * Addenda *Code Class 1 Code Cases 1644-6Code Class 1 Code Cases *NB No. NANB No. NAManufacture Name PSAManufacture Name PSAManufacture Serial No. A-11027 & B-10972Manufacture 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
☐ Functional
☐ Inservice
☐ Hydrostatic
☐ Pneumatic

Nominal Operating Pressure ☐ Yes ☐ NoElevated Pressure N/A psiTest Temperature N/A °FApplic. Code Ref. (or Code Case) N/A7. ANI/ANII Review 05/11/03Pre Work Start 05/11/03Work Complete 05/15/038. NIS-2 Prepared 06/27/03ANI/ANII 06/27/03In 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
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 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]
Inspector's Signature

Commissions NB 9931, NC 1507, ABIN NS

National Board, State, Province, and Endorsements

Date 6/27/03

work 405058

FORM NF-1 NPT CERTIFICATE HOLDERS' DATA REPORT FOR COMPONENT SUPPORTS sheet 3 of 6
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 Capac- ity Data Sheet	(e) Type of Component Support	(f) Class	(g) Nat'l Board No.	(h) Year Built
(1) <u>7723-7822</u>	<u>None</u>	<u>1801102-05-J</u>	<u>DR-1351-</u>	<u>Linear</u>	<u>1</u>	<u>None</u>	<u>1979</u>
(2)			<u>Rev. A</u>				
(3)							
(4)							
(5)							
(6)							
(7)							
(8)							
(9)							
(10)							

5. Remarks

CERTIFICATE OF COMPLIANCE

We certify that the statements made in this report are correct and that these components supports conform to the rules of construction of the ASME Code for Nuclear Power Plant Components, Section III, Division 1, Edition 1974, Addenda Winter 1976.

Code Case No. 1644-5

Date 26 September 1979

Signed Pacific Scientific

(NPT Certificate Holder)

by Bill Jankun

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 their size is 8 1/2 in. (216 mm) or larger. Information in items 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 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, 101, 102, 103, 104, 105, 106, 107, 108, 109, 110, 111, 112, 113, 114, 115, 116, 117, 118, 119, 120, 121, 122, 123, 124, 125, 126, 127, 128, 129, 130, 131, 132, 133, 134, 135, 136, 137, 138, 139, 140, 141, 142, 143, 144, 145, 146, 147, 148, 149, 150, 151, 152, 153, 154, 155, 156, 157, 158, 159, 160, 161, 162, 163, 164, 165, 166, 167, 168, 169, 170, 171, 172, 173, 174, 175, 176, 177, 178, 179, 180, 181, 182, 183, 184, 185, 186, 187, 188, 189, 190, 191, 192, 193, 194, 195, 196, 197, 198, 199, 200, 201, 202, 203, 204, 205, 206, 207, 208, 209, 210, 211, 212, 213, 214, 215, 216, 217, 218, 219, 220, 221, 222, 223, 224, 225, 226, 227, 228, 229, 230, 231, 232, 233, 234, 235, 236, 237, 238, 239, 240, 241, 242, 243, 244, 245, 246, 247, 248, 249, 250, 251, 252, 253, 254, 255, 256, 257, 258, 259, 260, 261, 262, 263, 264, 265, 266, 267, 268, 269, 270, 271, 272, 273, 274, 275, 276, 277, 278, 279, 280, 281, 282, 283, 284, 285, 286, 287, 288, 289, 290, 291, 292, 293, 294, 295, 296, 297, 298, 299, 300, 301, 302, 303, 304, 305, 306, 307, 308, 309, 310, 311, 312, 313, 314, 315, 316, 317, 318, 319, 320, 321, 322, 323, 324, 325, 326, 327, 328, 329, 330, 331, 332, 333, 334, 335, 336, 337, 338, 339, 340, 341, 342, 343, 344, 345, 346, 347, 348, 349, 350, 351, 352, 353, 354, 355, 356, 357, 358, 359, 360, 361, 362, 363, 364, 365, 366, 367, 368, 369, 370, 371, 372, 373, 374, 375, 376, 377, 378, 379, 380, 381, 382, 383, 384, 385, 386, 387, 388, 389, 390, 391, 392, 393, 394, 395, 396, 397, 398, 399, 400, 401, 402, 403, 404, 405, 406, 407, 408, 409, 410, 411, 412, 413, 414, 415, 416, 417, 418, 419, 420, 421, 422, 423, 424, 425, 426, 427, 428, 429, 430, 431, 432, 433, 434, 435, 436, 437, 438, 439, 440, 441, 442, 443, 444, 445, 446, 447, 448, 449, 450, 451, 452, 453, 454, 455, 456, 457, 458, 459, 460, 461, 462, 463, 464, 465, 466, 467, 468, 469, 470, 471, 472, 473, 474, 475, 476, 477, 478, 479, 480, 481, 482, 483, 484, 485, 486, 487, 488, 489, 490, 491, 492, 493, 494, 495, 496, 497, 498, 499, 500, 501, 502, 503, 504, 505, 506, 507, 508, 509, 510, 511, 512, 513, 514, 515, 516, 517, 518, 519, 520, 521, 522, 523, 524, 525, 526, 527, 528, 529, 530, 531, 532, 533, 534, 535, 536, 537, 538, 539, 540, 541, 542, 543, 544, 545, 546, 547, 548, 549, 550, 551, 552, 553, 554, 555, 556, 557, 558, 559, 560, 561, 562, 563, 564, 565, 566, 567, 568, 569, 570, 571, 572, 573, 574, 575, 576, 577, 578, 579, 580, 581, 582, 583, 584, 585, 586, 587, 588, 589, 590, 591, 592, 593, 594, 595, 596, 597, 598, 599, 600, 601, 602, 603, 604, 605, 606, 607, 608, 609, 610, 611, 612, 613, 614, 615, 616, 617, 618, 619, 620, 621, 622, 623, 624, 625, 626, 627, 628, 629, 630, 631, 632, 633, 634, 635, 636, 637, 638, 639, 640, 641, 642, 643, 644, 645, 646, 647, 648, 649, 650, 651, 652, 653, 654, 655, 656, 657, 658, 659, 660, 661, 662, 663, 664, 665, 666, 667, 668, 669, 670, 671, 672, 673, 674, 675, 676, 677, 678, 679, 680, 681, 682, 683, 684, 685, 686, 687, 688, 689, 690, 691, 692, 693, 694, 695, 696, 697, 698, 699, 700, 701, 702, 703, 704, 705, 706, 707, 708, 709, 710, 711, 712, 713, 714, 715, 716, 717, 718, 719, 720, 721, 722, 723, 724, 725, 726, 727, 728, 729, 730, 731, 732, 733, 734, 735, 736, 737, 738, 739, 740, 741, 742, 743, 744, 745, 746, 747, 748, 749, 750, 751, 752, 753, 754, 755, 756, 757, 758, 759, 760, 761, 762, 763, 764, 765, 766, 767, 768, 769, 770, 771, 772, 773, 774, 775, 776, 777, 778, 779, 780, 781, 782, 783, 784, 785, 786, 787, 788, 789, 790, 791, 792, 793, 794, 795, 796, 797, 798, 799, 800, 801, 802, 803, 804, 805, 806, 807, 808, 809, 810, 811, 812, 813, 814, 815, 816, 817, 818, 819, 820, 821, 822, 823, 824, 825, 826, 827, 828, 829, 830, 831, 832, 833, 834, 835, 836, 837, 838, 839, 840, 841, 842, 843, 844, 845, 846, 847, 848, 849, 850, 851, 852, 853, 854, 855, 856, 857, 858, 859, 860, 861, 862, 863, 864, 865, 866, 867, 868, 869, 870, 871, 872, 873, 874, 875, 876, 877, 878, 879, 880, 881, 882, 883, 884, 885, 886, 887, 888, 889, 890, 891, 892, 893, 894, 895, 896, 897, 898, 899, 900, 901, 902, 903, 904, 905, 906, 907, 908, 909, 910, 911, 912, 913, 914, 915, 916, 917, 918, 919, 920, 921, 922, 923, 924, 925, 926, 927, 928, 929, 930, 931, 932, 933, 934, 935, 936, 937, 938, 939, 940, 941, 942, 943, 944, 945, 946, 947, 948, 949, 950, 951, 952, 953, 954, 955, 956, 957, 958, 959, 960, 961, 962, 963, 964, 965, 966, 967, 968, 969, 970, 971, 972, 973, 974, 975, 976, 977, 978, 979, 980, 981, 982, 983, 984, 985, 986, 987, 988, 989, 990, 991, 992, 993, 994, 995, 996, 997, 998, 999, 1000.

10-771

This form (E300751) may be obtained from the Order Dept., ASME, 345 E. 47th St., New York, N.Y. 10017 (212) 512-1000

Bill Jankun
6/27/83

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 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. Buckner 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 CERTIFICATE HOLDERS' DATA REPORT FOR COMPONENT SUPPORTS

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

0.1 6/27/80
10995
WDB 406058
Sheet 5 of 6

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

(a) Component Support I.D. No.	(b) Canadian Registration No.	(c) Applicable Drawings with Last Rev. & Date	(d) Stress Report or Load Capa- city 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							

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
(NPT Certificate Holder)

by Bill Jenkins

Our ASME Certificate of Authorization No. 1193

to use the Component Supports
(NPT)

Symbol expires Aug. 4, 1981
(Date)

CERTIFICATION OF DESIGN

Design Information on file at Pacific Scientific

Stress Report or Load Capacity Data Sheets on file at

Pacific Scientific

Filed Per NA 3256

Design Specifications Certified by (1)

Leo E. Ay

PE State

California

Reg No. 13533

Stress Analysis Report or Load Capacity Data Sheets Certified by (1)

Leo E. Ay

PE State

California

Reg No.

13533

(1) List name only, signature not required

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

229, AMH
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 to 26 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 _____ Commission

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 _____ 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 _____ Commission

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

W. Meyer
6/27/80

REPAIR/REPLACEMENT SYNOPSIS

Attachment 1
Sheet 1 of 1DATE 06/27/03, REV. 0Repair ☐ Replacement ☒R/R No. 03-02-095Suitability Evaluation Required ☒ Yes ☐ No
(including failed items)EC No. N/AW/O No. 4050621. SYSTEM NAME SI - Safety InjectionNB No. 46CONSTRUCTION CODE ASME Section IIIEdition 1974Addenda W76Code Class 2CODE CASE See N-5 Data Report2. COMPONENT NAME Hanger/SnubberTag No. SI-H-1161A/B

OLD COMPONENT

NEW COMPONENT

P.O. No./Catalog ID. 76100262P.O. No./Catalog ID. 76100262Year Built 1985/1979Code Stamp NoYear Built 1985/1981Code Stamp NoConst. Code ASME III Edition 1977 Addenda *Const. Code ASME III Edition 1977 Addenda *Code Class 1 Code Cases 1644-7/6Code Class 1 Code Cases 1644-7NB No. NANB No. NAManufacture Name PSAManufacture Name PSAManufacture Serial No. A-37262 & B-7289Manufacture 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 ☐ Supports ☐
 IST ☐ ILRT/LLRT ☐
 FAC ☐ Other _____
 Check Valve ☐

6. SYSTEM PRESSURE TEST REQUIREMENT

☐ Leakage
☐ Functional
☐ Inservice
☐ Hydrostatic
☐ Pneumatic

Nominal Operating Pressure ☐ Yes ☐ NoElevated Pressure N/A psiTest Temperature N/A °FApplic. Code Ref. (or Code Case) N/A7. ANI/ANII Review 05/11/03Pre Work Start 05/11/03Work Complete 05/15/038. NIS-2 Prepared 06/27/03ANI/ANII 06/27/03In 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
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-6171103
6

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 [Signature]
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.

[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

Pacific Scientific, Kin-Tech Division

1. Manufactured by 1346 South State College Blvd., Anaheim, California 92503
(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)	(b)	(c)	(d)	(e)	(f)	(g)	(h)
Component Support I.D. No.	Canadian Registration No.	Applicable Drawings with Last Rev. & Date	Stress Report or Load Capacity Data Sheet	Type of Component Support	Class	Wall Board No.	Year Built
(1) 37036	None	1801104-05-J	DP 1412-Rev. 0	Linear	1	None	1985
(2) LRU							
(3) 37097							
(4)							
(5)							
(6)							
(7)							
(8)							
(9)							
(10)							

5. Remarks Inspection Test Reports, TMR'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 '79
Code Case No. 1644-6 (Date)

Date 1/21/03 Signed Pacific Scientific by 1/21/03
(NPT Certificate Holder)

Our ASME Certificate of Authorization No. N-1130 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 NRC 2256

Design Specification Certified by (1) Joe B. Ay PE State California
Reg. No. 13503

Stress Analysis Report or Load Capacity Data Sheets Certified by (1) Joe B. Ay
PE State California Reg. No. 13503

(Signature of certifying engineer 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. Applicable Data Sheet is included on each sheet and on each sheet is numbered and number of sheets is recorded at top of sheet.

ADG.AW
1/21/03

W04 405062
Sheet 4 of 6

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 W. J. F. Rouse

Commissions

CA 1526 / CHIO 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 parts 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.

Date _____

Signed _____ Commissions _____

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

W. J. F. Rouse
6/21/03

*REVISED DATA REPORT W# 405062
Sheet 5 of 6
14

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 Capac- ity 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 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 1977
Code Case No. 1644-7 (Date)

Date 1/22/81 Signed Pacific Scientific by Joseph A. Nantz
(NPT Certificate Holder)

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

Symbol expires Aug. 4, 1981
(Date)

CERTIFICATION OF DESIGN

Design Information on File at Pacific Scientific

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

Filed Per NA 3256

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

Reg. No. 13533

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

PE State California Reg No. 13533

(1) List name only; signature not required

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

CERTIFICATE OF SHOP INSPECTION

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

Signature W.H. Bucher Commissions CA1280/BA10 Commission
(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 _____ 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 _____
(Natl Bd., State, Prov., and No.)

ADP, April
6/22/83

REPAIR/REPLACEMENT SYNOPSIS

Attachment I
Sheet 1 of 1DATE 06/30/03, REV. 0Repair ☐ Replacement ☒R/R No. 03-02-092Suitability Evaluation Required ☒ Yes ☐ No
(including failed items)EC No. N/AW/O No. 4062551. SYSTEM NAME SI - Safety InjectionNB No. 46CONSTRUCTION CODE ASME Section IIIEdition 1974Addenda W76Code Class 2CODE CASE See N-5 Data Report2. COMPONENT NAME Hanger/SnubberTag No. SI-H-273A

OLD COMPONENT

NEW COMPONENT

P.O. No./Catalog ID. 76097344P.O. No./Catalog ID. 76097344Year Built 1980Code Stamp NoYear Built 1979Code Stamp NoConst. Code ASME III Edition 1977 Addenda S78Const. Code ASME III Edition 1974 Addenda W76Code Class 1 Code Cases 1644-6Code Class 1 Code Cases 1644-5, 1686NB No. NANB No. NAManufacture Name PSAManufacture Name PSAManufacture Serial No. 8771Manufacture Serial No. 53343. 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 ☐ NoElevated Pressure N/A psiTest Temperature N/A °FApplic. Code Ref. (or Code Case) N/A7. ANI/ANII Review 05/11/03Pre Work Start 05/11/03Work Complete 05/15/038. NIS-2 Prepared 06/30/03ANI/ANII 07/07/03In 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

Dayin 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 7/1/03

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 ₂	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 '76
(Date)

Code Case No. 1644-5 & 1686

Date 5-18-79 Signed Pacific Scientific
(NPT Certificate Holder)

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 NK3256

Design Specifications Certified by (S) Leo E. Ay per California

Reg. No. 13777

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

per State California Reg. No. 13533

Signature of Design Engineer

*Supplementary sheets, stress analysis, sketches or drawings may be used provided they contain the following information:
a) on the first sheet, the title, date, and the name of the design engineer.
b) on the last sheet, the name of the design engineer.

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 California and employed by ES&L Co. of Hartford, CT

has inspected the component supports described in this Data Report on 18 MAR 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.)

7/7/03

REPAIR/REPLACEMENT SYNOPSIS

Attachment 1
Sheet 1 of 1DATE 06/27/03, REV. 0Repair ☐ Replacement ☒R/R No. 03-02-012Suitability Evaluation Required ☒ Yes ☐ No
(including failed items)EC No. N/AW/O No. 212192-031. SYSTEM NAME MS - Main SteamNB No. 59CONSTRUCTION CODE ASME Section IIIEdition 1974Addenda W76Code Class 2CODE CASE See N-5 Data Report2. COMPONENT NAME Hanger/SnubberTag No. MS-H-69

OLD COMPONENT

NEW COMPONENT

P.O. No./Catalog ID. 73891210P.O. No./Catalog ID. 73891210Year Built UnknownCode Stamp NoYear Built UnknownCode Stamp NoConst. Code A-194, 2HEdition NAAddenda NAConst. Code A-194, 2HEdition NAAddenda NACode Class Code Cases NACode Class Code Cases NANB No. NANB No. NAManufacture Name Coloc IndustriesManufacture Name Coloc IndustriesManufacture Serial No. NAManufacture 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 ☐ NoElevated Pressure N/A psiTest Temperature N/A °FApplic. Code Ref. (or Code Case) N/A7. ANI/ANII Review 05/04/03Pre Work Start 05/04/03Work Complete 06/10/038. NIS-2 Prepared 06/27/03ANI/ANII 06/27/03In 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# 212192-03
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	Coloc Industries	NA	NA	PN 73891210 PO# 7D6297 A194 Gr. 2H	Unknown	Replaced	No
Nut	Coloc Industries	NA	NA	PN 73891210 PO# 7D6297 A194 Gr. 2H	Unknown	Replacement	No

7. Description of Work: Replaced coloc nut on hanger MS-H-69.
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

Danir Long
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.

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

Attachment 1
Sheet 1 of 1DATE 07/08/03, REV. 0Repair ☐ Replacement ☒R/R No. 03-02-099Suitability Evaluation Required ☒ Yes ☐ No
(including failed items)EC No. N/AW/O No. 226579-041. SYSTEM NAME SG - Steam GeneratorNB No. 64CONSTRUCTION CODE ASME Section IIIEdition 1986Addenda NoneCode Class 1CODE CASE N-20-3, N-474-1, N-2142, and N-21432. COMPONENT NAME Steam GeneratorTag No. 1SG-E002

OLD COMPONENT

NEW COMPONENT

P.O. No./Catalog ID. 76180140P.O. No./Catalog ID. 76180140Year Built UnknownCode Stamp NoYear Built UnknownCode Stamp NoConst. Code * Edition * Addenda * Const. Code * Edition * Addenda * Code Class Code Cases NACode Class Code Cases NANB No. NANB No. NAManufacture Name WestinghouseManufacture Name WestinghouseManufacture Serial No. NAManufacture 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 ☐Supports ☐IST ☐ILRT/LLRT ☐FAC ☐Other Check Valve ☐

6. SYSTEM PRESSURE TEST REQUIREMENT

☐ Leakage☐ Functional☐ Inservice☐ Hydrostatic☐ PneumaticNominal Operating Pressure ☐ Yes ☐ NoElevated Pressure N/A psiTest Temperature N/A °FApplic. Code Ref. (or Code Case) N/A7. ANI/ANII Review 05/03/03Pre Work Start 05/03/03Work Complete 05/11/038. NIS-2 Prepared 07/08/03ANI/ANII 07/07/03In 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# 226579-04
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 76180140 SA193, Gr. B7	Unknown	Replaced	No
Stud	Westinghouse	150	NA	PN 76180140 Contract XTA3000186 SA193, Gr. B7	Unknown	Replacement	No

7. Description of Work: Replaced stud on "B" SG handhole 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 [Signature] 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.

[Signature]
Inspector's Signature

Commissions NB 9931, NC 1507, ABIN NS

National Board, State, Province, and Endorsements

Date 7/9/03

REPAIR/REPLACEMENT SYNOPSIS

Attachment 1
Sheet 1 of 1DATE 07/07/03, REV. 0Repair ☐ Replacement ☒R/R No. 03-02-049Suitability Evaluation Required ☒ Yes ☐ No
(including failed items)EC No. N/AW/O No. 239737-211. SYSTEM NAME CS - Chemical Volume ControlNB No. 48CONSTRUCTION CODE ASME Section IIIEdition 1974Addenda W76Code Class 2CODE CASE See N-5 Data Report2. COMPONENT NAME ValveTag No. 1CS-775

OLD COMPONENT

NEW COMPONENT

P.O. No./Catalog ID. 72742109/73182370P.O. No./Catalog ID. 72742109/73182370Year Built Unknown Code Stamp NoYear Built Unknown Code Stamp NoConst. Code ASME III Edition 1974 Addenda W76Const. Code ASME III Edition 1974 Addenda W76Code Class 2 Code Cases NACode Class 2 Code Cases NANB No. NANB No. NAManufacture Name UnknownManufacture Name Texax Bolt and NovaManufacture Serial No. NAManufacture 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 ☐ NoElevated Pressure N/A psiTest Temperature N/A °FApplic. Code Ref. (or Code Case) N/A7. ANI/ANII Review 05/02/03Pre Work Start 05/02/03Work Complete 05/16/038. NIS-2 Prepared 07/07/03ANI/ANII 07/07/03In 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

Darwin Hong
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.

Sandy 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

Attachment 1
Sheet 1 of 1DATE 06/27/03, REV. 0Repair ☐ Replacement ☒R/R No. 03-02-014Suitability Evaluation Required ☒ Yes ☐ No
(including failed items)EC No. N/AW/O No. 239967-071. SYSTEM NAME WG - Waste GasNB No. 61CONSTRUCTION CODE ASME Section IIIEdition 1974Addenda W76Code Class 2CODE CASE See N-5 Data Report2. COMPONENT NAME Hanger/SnubberTag No. WG-H-1947

OLD COMPONENT

NEW COMPONENT

P.O. No./Catalog ID. 73286338P.O. No./Catalog ID. 73286338Year Built UnknownCode Stamp NoYear Built UnknownCode Stamp NoConst. Code A-194, 2HEdition NAAddenda NAConst. Code A-194, 2HEdition NAAddenda NACode Class Code Cases NACode Class Code Cases NANB No. NANB No. NAManufacture Name Coloc IndustriesManufacture Name Coloc IndustriesManufacture Serial No. NAManufacture 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
☐ Functional
☐ Inservice
☐ Hydrostatic
☐ Pneumatic

Nominal Operating Pressure ☐ Yes ☐ NoElevated Pressure N/A psiTest Temperature N/A °FApplic. Code Ref. (or Code Case) N/A7. ANI/ANII Review 05/10/03Pre Work Start 05/09/03Work Complete 05/19/038. NIS-2 Prepared 06/27/03ANI/ANII 06/27/03In 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.
Type Code Symbol Stamp N/A
3. Work Performed By Progress Energy Authorization No. N/A
Name
P.O. Box 165, New Hill, N.C. 27562-0165 Expiration Date N/A
Address
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

Dominic Hong
Owner or Owner's Designee, Title

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.

Randy D. Jones
Inspector's Signature

Commissions

NB 9931, NC 1507, ABIN NS

National Board, State, Province, and Endorsements

Date

6/27/03

REPAIR/REPLACEMENT SYNOPSIS

Attachment 1
Sheet 1 of 1DATE 07/07/03, REV. 0Repair ☐ Replacement ☒R/R No. 03-02-003Suitability Evaluation Required ☒ Yes ☐ No
(including failed items)EC No. N/AW/O No. 329006-021. SYSTEM NAME CS - Chemical Volume ControlNB No. 48CONSTRUCTION CODE ASME Section IIIEdition 1974Addenda W76Code Class 2CODE CASE See N-5 Data Report2. COMPONENT NAME Hanger/StubberTag No. CS-H-3343

OLD COMPONENT

NEW COMPONENT

P.O. No./Catalog ID. 73286296P.O. No./Catalog ID. 73286296Year Built UnknownCode Stamp NoYear Built UnknownCode Stamp NoConst. Code A-194, 2HEdition NAAddenda NAConst. Code A-194, 2HEdition NAAddenda NACode Class Code Cases NACode Class Code Cases NANB No. NANB No. NAManufacture Name Coloc IndustriesManufacture Name Coloc IndustriesManufacture Serial No. NAManufacture 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 - PenetrantComplete ☐☐ RT - RadiographyComplete ☐☐ UT - UltrasonicsComplete ☐☒ VT-3 VisualComplete ☒

5. PROGRAM UPDATES REQUIRED

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

6. SYSTEM PRESSURE TEST REQUIREMENT

☐ LeakageNominal Operating Pressure ☐ Yes ☐ No☐ FunctionalElevated Pressure N/A psi☐ InserviceTest Temperature N/A °F☐ Hydrostatic☐ PneumaticApplic. Code Ref. (or Code Case) N/A7. ANI/ANII Review 10/29/02Pre Work Start 10/29/02Work Complete 11/01/028. NIS-2 Prepared 07/07/03ANI/ANII 07/07/03In 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.

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

Date 7/7/03