

# INSERVICE INSPECTION SUMMARY

8th Refueling Outage

Completed 11/28/98

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

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

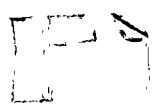
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Commercial Operation May 2, 1987

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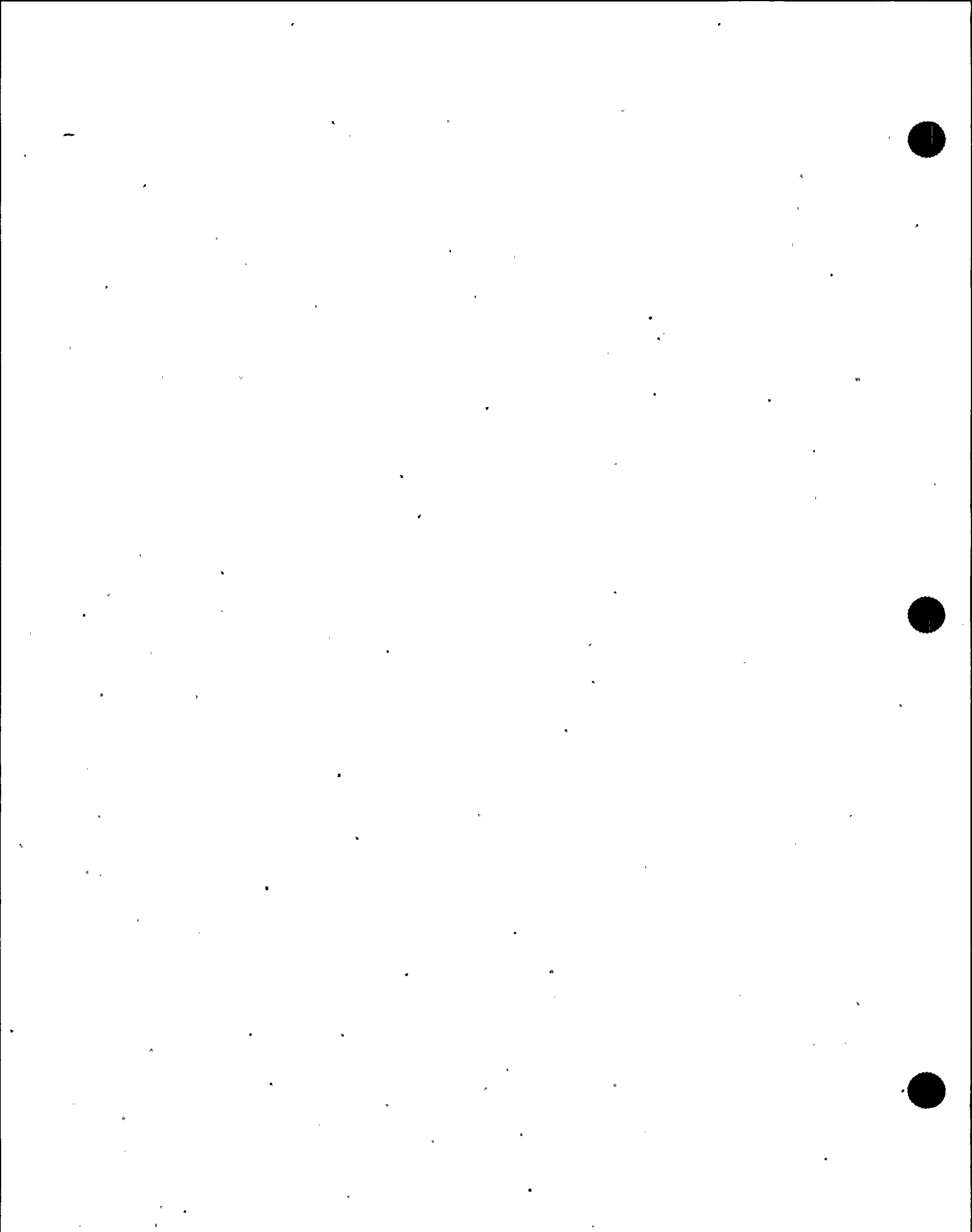
**Commercial Operation May 2, 1987**

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# **SECTION 1**

Summary



## Summary

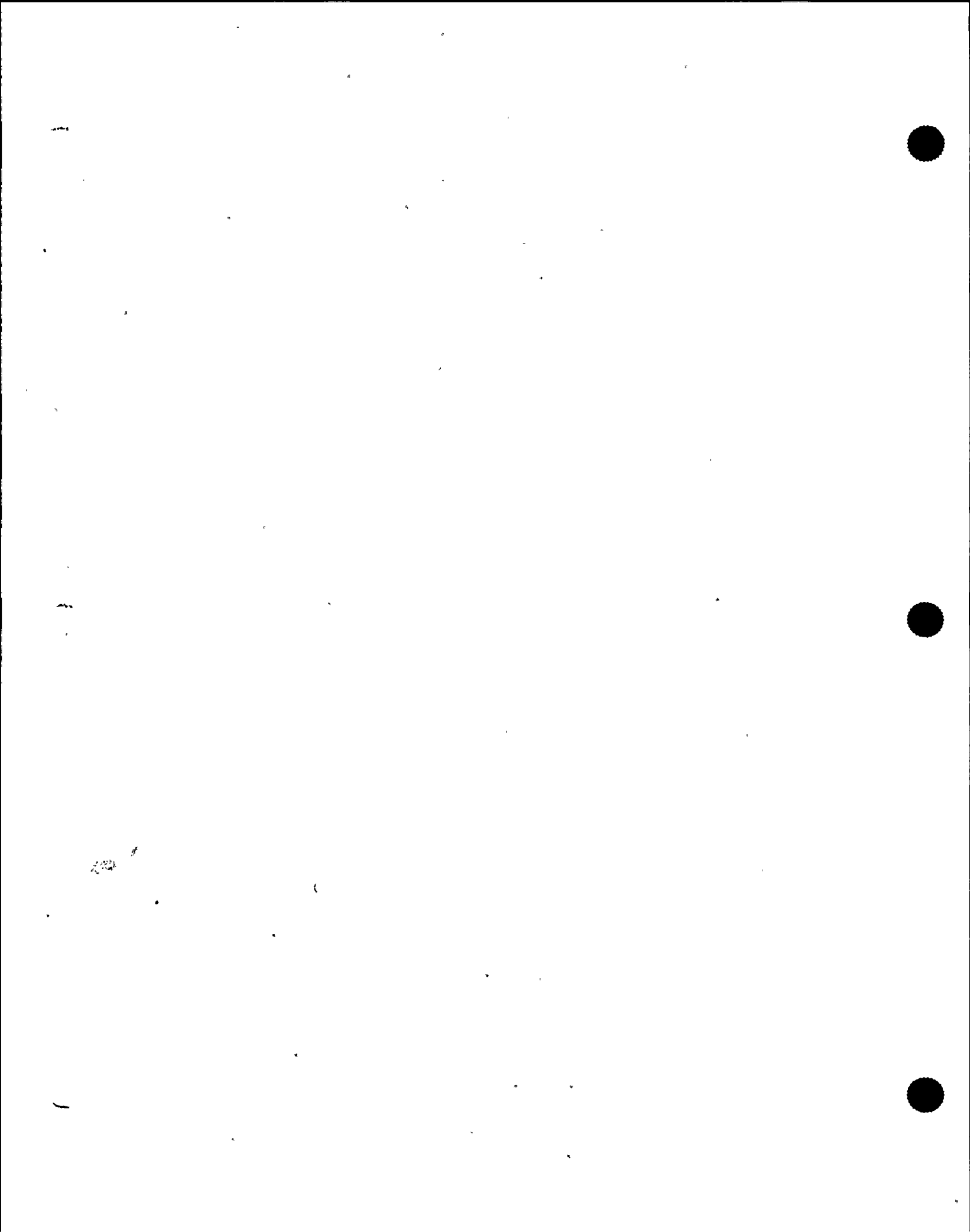
The Harris Nuclear Power Plant, Unit-1, Ten Year Inservice Inspection Plan was developed to 10CFR50.55 a (g) which implemented, by reference, the ASME Boiler and Pressure Vessel Code 1989 Edition with no Addenda.

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

- (1) refueling outage number ( when applicable);  
(See Section 1)
- (2) Owner's Report for Inservice Inspections, Form NIS-1, as shown in Appendix II of Section XI.  
(See Sections 2, 3 and 4)
- (3) Owner's Report for Repair or Replacements, Form NIS-2, as shown in Appendix II of Section XI.  
(See Section 5)

Plans, schedules, records, and summary reports shall have a cover sheet providing the following information: (See Inservice Inspection Cover Page)

- (1) date of document completion
- (2) name and address of Owner
- (3) name and address of generating plant
- (4) name or number designation of the unit
- (5) commercial service date for the unit



The Summary Report contains examinations performed on selected Class 1 and 2 piping, components and their supports at Harris Nuclear Plant from 6/10/97 through 11/28/98. The RFO8 examinations were performed during the first period in the second inspection interval. The typical designation for this time duration is 2-1-08, (Second Interval, First Period, Eighth Refueling Outage).

The components selected for weld examination were from the Second Interval Ten Year Inservice Inspection Plan. The components selected for examination consisted of piping welds, vessel welds, component supports and integral attachments. Nondestructive examinations were performed using Magnetic Particle (MT), Liquid Penetrant (PT), Ultrasonic (UT), Eddy Current (ET), and Visual (VT) methods. Performance Demonstration Initiative (PDI) ultrasonic examination techniques were utilized where practicable. No rejectable indications were noted. Indications identified during examinations were evaluated and documented as applicable on each specific weld examination data report. Code Case N-460 was invoked where components achieved >90%, but less than 100% code coverage. Relief Requests will be submitted for components that did not achieve >90% code coverage.

A sample of Safety Injection welds were ultrasonically examined per plant procedure TMM-133 SI Thermal Stratification Monitoring Program. This program monitors welds for thermal cracking where potential thermal stratification is suspected. No rejectable indications were noted.

Personnel performing the ISI examinations used CP&L isometrics in conjunction with tagged valves, component supports, points of connection; ie. Vessel and wall/floor penetrations and floor elevations to locate and identify components subject to examination. Permanent component identification reference points were established and marked on the component in accordance with ASME Section XI, Article III-4000 during PSI. The ISI isometrics that were used to aid in locating the appropriate weld examination locations are listed in the Post Outage Examination Results Report. Specific copies of the ISI isometrics are available upon request. The NDE Vendor and CP&L supplied examination equipment, procedures and calibration standards.

Twenty nine ASME Section XI Component/Equipment Supports were examined during RFO8 with one failure noted. The failure was due to misalignment. A Work Ticket was initiated and corrective measures taken for resolution. The one failure constituted a scope expansion of 5 additional component support examinations. No additional failures were noted.





An extensive inspection was performed on the Harris Steam Generator tubes during RFO8 by ABB/CE. The following inspections were performed:

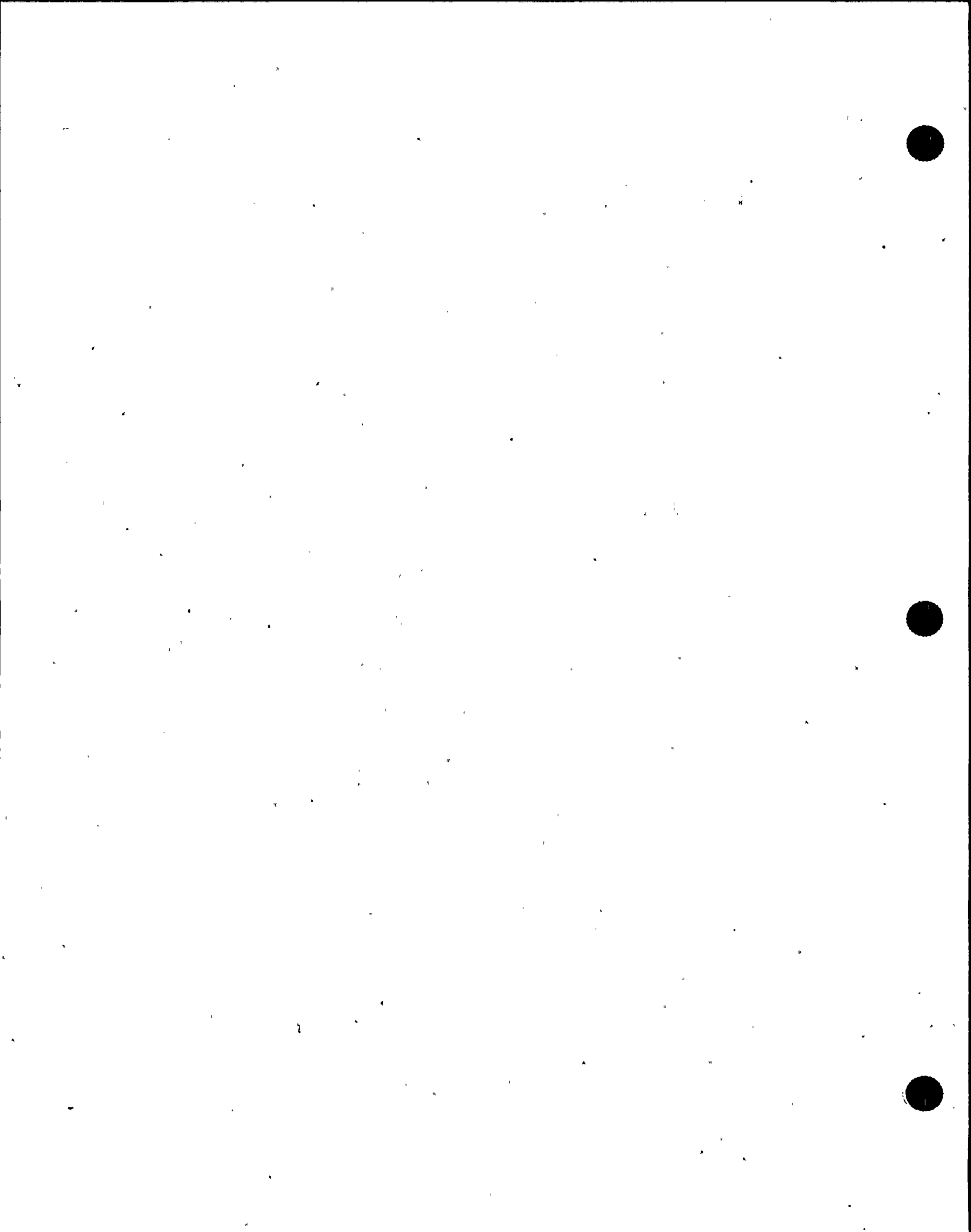
- 1) 100% of all tubes with bobbin coil eddy current testing
- 2) 100% of all tubes with Plus Point rotating coil (RC) eddy current testing at the hot leg top-of-tube sheet
- 3) A sample of hot leg dents, manufacturing buff marks and other benign indications with Plus Point
- 4) A 20% sample of tubes with Plus Point in the tight radii U-bends - rows 1 through 3 and, 5.
- 5) A 20% sample of the pre-heater expanded tubes in SG "B".

A total of 72 tubes were plugged as a result of tube degradation. No sample expansions were required.

A Class 1 Pressure Test was performed during RFO8 in accordance with ASME Section XI, IWB-5000. Code Case N-416-1 and N-533 was invoked. Code Case N-416-1 allows implementation of a system leakage test in lieu of the system hydrostatic test. Code Case N-533 allows removal of insulation at bolted connections to be performed when the system is not under pressure. All points of leakage were identified and corrective measures taken to achieve an acceptable condition. The Class 1 Pressure Test record and supporting documentation is on file at the site and will be made available for review upon request.

An RFO8 Inservice Inspection Outage Report was compiled in support of the Summary Report. This Report is filed on site and its entirety or portions thereof are available for review upon request. The Inservice Inspection Outage Report contains the following pertinent information:

- [Section 1] NDE Examination Data Reports
- [Section 2] NDE Examination Procedures
- [Section 3] Procedure Qualification Records
- [Section 4] NDE Personnel Certifications
- [Section 5] Training Information
- [Section 6] NDE Calibration Blocks
- [Section 7] Equipment
- [Section 8] Materials
- [Section 9] Relief Request
- [Section 10] Isometric Drawings
- [Section 11] RFO8 Miscellaneous Information



**SECTION 2**

**NIS-1 FORM, REPORT OF INSERVICE INSPECTIONS**

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

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

Component or Appurtenance	Manufacturer or Installer	Manufacturer or Installer Serial No.	State or Province No.	National Board No.
Reactor Vessel	Chicago Bridge & Iron	T40	NC21241	4
Auxiliary Feedwater	CP&L	AF	N/A	49
Blowdown	CP&L	BD	N/A	44
Chemical & Volume Control	CP&L	CS	N/A	48
Containment Spray	CP&L	CT	N/A	63
Feedwater	CP&L	FW	N/A	54
Main Steam	CP&L	MS	N/A	59
Reactor Coolant	CP&L	RC	N/A	55
Residual Heat Removal	CP&L	RHR	N/A	38
Steam Generator - A	Westinghouse	1631	NC20304	W11304
Steam Generator - B	Westinghouse	1632	NC20304	W11309
Steam Generator - C	Westinghouse	1633	NC20304	W11307
Pressurizer	Westinghouse	1641	NC21240	W11306
Safety Injection	CP&L	SI	N/A	46
Service Water	CP&L	SW	N/A	64
RHR Heat Exchanger - 1A-SA	Joseph Oat Corp.	2168-1B7	NC20302	740
Chilled Water Supply	CP&L	CH	N/A	57
Fire Protection	CP&L	FP	N/A	53
Nitrogen	CP&L	NI	N/A	32
Cont. Spray Pump 1A-SA	IRC	107821	N/A	491

FORM NIS-1 (Back)

8. Examination Dates 6/10/97 to 11/28/98 9. Inspection Interval from 2/2/98 to 5/1/07

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

11. Abstract of Conditions Noted (See Sections 3 & 4)

12. Abstract of Corrective Measures Recommended and Taken. (See Sections 3, 4 & 5)

We certify that the statements made in this report are correct and the examinations and corrective measures taken conform to the rules of the ASME Code, Section XI.

Certificate of Authorization No. (if applicable) N/A Expiration Date N/A

Date Feb 15 19 99 Signed CP&L By Mark a Fy

Certificate of Inservice Inspection

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 Stm. Blr. Insp. and Ins. Co. of Hartford, CT. have inspected the components described in this Owner's Report during the period 6/10/97 to 11/28/98, 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.

ER Dayton Commissions NC1042  
Inspector's Signature National Board, State, Province, and Endorsements

Date Feb 15 19 99



FORM NIS-1 (Back)

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Certificate of Authorization No. (if applicable) N/A Expiration Date N/A

Date Feb 15 19 99 Signed CP&L By Mark A. Papp

Certificate of Inservice Inspection

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 Stm. Blr. Insp. and Ins. Co. of Hartford, CT. have inspected the components described in this Owner's Report during the period 6/10/97 to 11/28/98, 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.

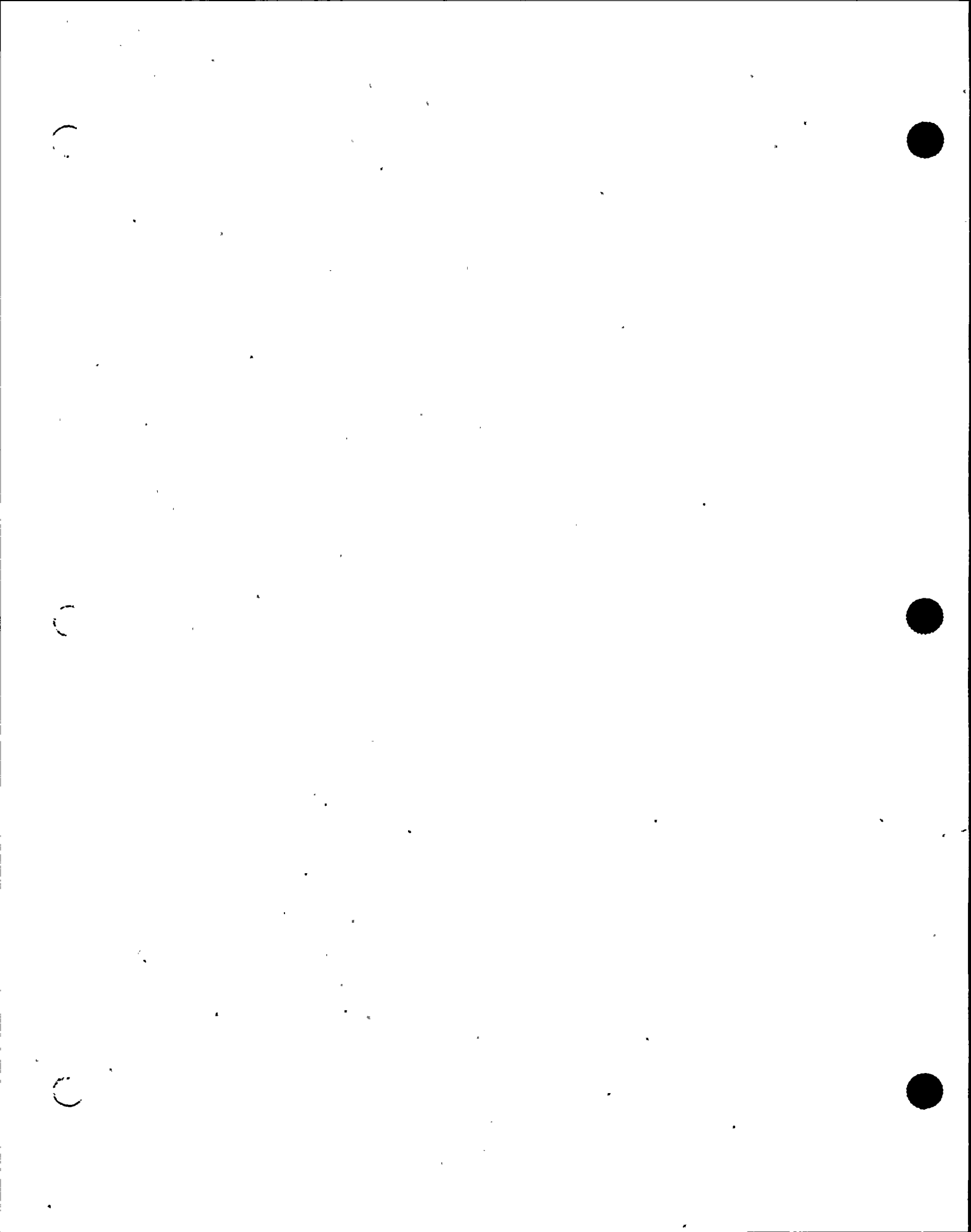
EB Dayton Commissions NC1042  
Inspector's Signature National Board, State, Province, and Endorsements

Date FEB 15 19 99



**SECTION 3**

**POST OUTAGE EXAMINATION RESULTS REPORT**



## REFUELING OUTAGE 8 ISI EXAMINATION RESULTS

<i>Component ID</i>	<i>Category</i>	<i>Item No.</i>	<i>Exam Req</i>	<i>Exam Meth</i>	<i>Exam Type</i>	<i>Exam Date</i>	<i>Credit</i>	<i>Results</i>	<i>Comments</i>	<i>Limited</i>
II-AF-006AF-01-FW-3	FSAR	6.6.8B	B04-02	VOL	UT-45S	11/14/98		PASS	Baseline	
II-AF-006AF-FW-252	FSAR	6.6.8B	B04-02	VOL	UT-45S	11/16/98		PASS	Baseline	
II-AF-008AF-02-FW-15	C-F-2	C5.51	89-02	VOL	UT-45S	11/9/98		PASS	Baseline	
II-AF-008AF-02-FW-15	C-F-2	C5.51	89-02	SUR	PT	11/9/98		PASS	Baseline	
II-AF-008AF-FW-442	C-F-2	C5.51	89-02	VOL	UT-45S	11/9/98		PASS	Baseline	
II-AF-008AF-FW-442	C-F-2	C5.51	89-02	SUR	PT	11/9/98		PASS	Baseline	
II-AF-009AF-01-FW-20	C-F-2	C5.51	89-02	SUR	PT	11/13/98		PASS	Baseline	
II-AF-009AF-01-FW-20	C-F-2	C5.51	89-02	VOL	UT-45S	11/13/98		PASS	Baseline	
II-AF-009AF-01-FW-40	C-F-2	C5.51	89-02	SUR	PT	11/12/98		PASS	Baseline	
II-AF-009AF-01-FW-40	C-F-2	C5.51	89-02	VOL	UT-45S	11/14/98		PASS	Baseline	
II-AF-009AF-FW-432	C-F-2	C5.51	89-02	VOL	UT-45S	11/6/98		PASS	Baseline	
II-AF-009AF-FW-432	C-F-2	C5.51	89-02	SUR	MT	11/6/98		PASS	Baseline	
II-AF-010AF-02-FW-37	C-F-2	C5.51	89-02	VOL	UT-45S	11/14/98		PASS	Baseline	
II-AF-010AF-02-FW-37	C-F-2	C5.51	89-02	SUR	MT	11/12/98		PASS	Baseline	
II-AF-010AF-FW-451	C-F-2	C5.51	89-02	VOL	UT-45S	11/4/98		PASS	Baseline	
II-AF-010AF-FW-451	C-F-2	C5.51	89-02	SUR	PT	11/3/98		PASS	Baseline	
II-BD-010BD-F5SN-MW-1	FSAR	6.6.8E	B07-02	SUR	MT	11/5/98	Y	PASS	NRI	

<i>Component ID</i>	<i>Category</i>	<i>Item No.</i>	<i>Exam Req</i>	<i>Exam Meth</i>	<i>Exam Type</i>	<i>Exam Date</i>	<i>Credit</i>	<i>Results</i>	<i>Comments</i>	<i>Limited</i>
II-BD-010BD-FW-310	FSAR	6.6.8E	B07-02	SUR	MT	11/5/98	Y	PASS	NRI	
II-BD-010BD-FW-311	FSAR	6.6.8E	B07-02	SUR	MT	11/14/98	Y	PASS	NRI	
II-BD-010BD-SW-A3	FSAR	6.6.8E	B07-02	SUR	MT	11/5/98	Y	PASS	NRI	
II-BD-010BD-SW-A4	FSAR	6.6.8E	B07-02	SUR	MT	11/5/98	Y	PASS	NRI	
II-BD-010BD-SW-A5	FSAR	6.6.8E	B07-02	SUR	MT	11/5/98	Y	PASS	NRI	
II-BD-010BD-SW-A6	FSAR	6.6.8E	B07-02	SUR	MT	11/5/98	Y	PASS	NRI	
II-BD-011BD-F6SN-MW-1	FSAR	6.6.8E	B07-02	SUR	MT	11/5/98	Y	PASS	NRI	
II-BD-011BD-FW-231	FSAR	6.6.8E	B07-02	SUR	MT	11/5/98	Y	PASS	NRI	
II-BD-011BD-FW-304	FSAR	6.6.8E	B07-02	SUR	MT	11/5/98	Y	PASS	NRI	
II-BD-011BD-FW-305	FSAR	6.6.8E	B07-02	SUR	MT	11/14/98		PASS	70% COMP.	YES
II-BD-011BD-H-0513I(4)	FSAR	6.6.8F	B07-02	SUR	MT	11/5/98	Y	PASS	NRI	
II-BD-011BD-SW-A3	FSAR	6.6.8E	B07-02	SUR	MT	11/13/98	Y	PASS	NRI	
II-BD-011BD-SW-A4	FSAR	6.6.8E	B07-02	SUR	MT	11/13/98	Y	PASS	NRI	
II-BD-011BD-SW-A5	FSAR	6.6.8E	B07-02	SUR	MT	11/5/98	Y	PASS	NRI	
II-BD-011BD-SW-A6	FSAR	6.6.8E	B07-02	SUR	MT	11/5/98	Y	PASS	NRI	
II-CS-001CS-FW-150	SER	250.1S	B03-02	SUR	PT	10/19/98	Y	PASS	NI	
II-CS-001CS-FW-191	SER	250.1S	B03-02	SUR	PT	10/19/98	Y	PASS	NI	
II-CS-001CS-SW-D4	SER	250.1S	B03-02	SUR	PT	10/19/98	Y	PASS	NI	
II-CS-001CT-FW-100	SER	250.1S	B03-02	SUR	PT	10/23/98	Y	PASS	NRI	

<i>Component ID</i>	<i>Category</i>	<i>Item No.</i>	<i>Exam Req</i>	<i>Exam Meth</i>	<i>Exam Type</i>	<i>Exam Date</i>	<i>Credit</i>	<i>Results</i>	<i>Comments</i>	<i>Limited</i>
II-CS-001CT-FW-100A	SER	250.1S	B03-02	SUR	PT	10/23/98	Y	PASS	NI	
II-CS-002RH-FW-70	SER	250.1S	B03-02	SUR	PT	10/19/98	Y	PASS	NI	
II-CS-002RH-FW-70A	SER	250.1S	B03-02	SUR	PT	10/19/98	Y	PASS	NRI	
II-CS-002RH-FW-70ALA	SER	250.1S	B03-02	SUR	PT	10/19/98	Y	PASS	NRI	
II-CS-002RH-FW-70ALB	SER	250.1S	B03-02	SUR	PT	10/19/98	Y	PASS	NRI	
II-CS-002RH-FW-70LA	SER	250.1S	B03-02	SUR	PT	10/19/98	Y	PASS	NI	
II-CS-002RH-FW-82	SER	250.1S	B03-02	SUR	PT	10/19/98	Y	PASS	NI	
II-CS-002RH-FW-82A	SER	250.1S	B03-02	SUR	PT	10/19/98	Y	PASS	NI	
II-CS-002RH-SW-E5	SER	250.1S	B03-02	SUR	PT	10/20/98	Y	PASS	NRI	
II-CS-002RH-SW-E6	SER	250.1S	B03-02	SUR	PT	10/20/98	Y	PASS	NRI	
II-CS-002RH-SW-G3	SER	250.1S	B03-02	SUR	PT	10/19/98	Y	PASS	NI	
II-CS-002RH-SW-G3A	SER	250.1S	B03-02	SUR	PT	10/19/98	Y	PASS	NI	
II-CS-006CS-144-1-SW-1	C-F-1	C5.21	89-02	SUR	PT	10/23/98	Y	PASS	NI	
II-CS-006CS-144-1-SW-1	C-F-1	C5.21	89-02	VOL	UT-45S	10/23/98	Y	PASS	NR/GI	
II-CS-006CS-FW-128	C-F-1	C5.21	89-02	VOL	UT-45S	10/23/98	Y	PASS	NR/GI	
II-CS-006CS-FW-128	C-F-1	C5.21	89-02	SUR	PT	10/22/98	Y	PASS	NI	
II-CS-006CS-SW-A6	C-F-1	C5.21	89-02	VOL	UT-45S	10/23/98	Y	PASS	NR/GI	
II-CS-006CS-SW-A6	C-F-1	C5.21	89-02	SUR	PT	10/23/98	Y	PASS	NI	
II-CS-006CS-SW-J3	C-F-1	C5.21	89-02	VOL	UT-45S	10/23/98	Y	PASS	NR/GI	

<i>Component ID</i>	<i>Category</i>	<i>Item No.</i>	<i>Exam Req</i>	<i>Exam Meth</i>	<i>Exam Type</i>	<i>Exam Date</i>	<i>Credit</i>	<i>Results</i>	<i>Comments</i>	<i>Limited</i>
II-CS-006CS-SW-J3	C-F-1	C5.21	89-02	SUR	PT	10/22/98	Y	PASS	NI	
II-CS-007CS-SW-C5	C-F-1	C5.21	89-02	VOL	UT-45S	10/23/98	Y	PASS	NR/IGI	
II-CS-007CS-SW-C5	C-F-1	C5.21	89-02	SUR	PT	10/22/98	Y	PASS	NI	
II-CS-007CS-SW-C6	C-F-1	C5.21	89-02	SUR	PT	10/22/98	Y	PASS	NI	
II-CS-007CS-SW-C6	C-F-1	C5.21	89-02	VOL	UT-45S	10/23/98	Y	PASS	NR/IGI	
II-CS-007SI-FW-25	C-F-1	C5.21	89-02	VOL	UT-45S	10/23/98	Y	PASS	NR/IGI	
II-CS-007SI-FW-25	C-F-1	C5.21	89-02	SUR	PT	10/22/98	Y	PASS	NI	
II-CS-021CS-FW-213	SER	250.1S	B03-02	SUR	PT	11/13/98	Y	PASS	NRI	
II-CS-088CS-545-F-01 (4)	B-G-2	B7.50	89-02	SUR	VT-1	11/7/98	Y	PASS	NI	
II-CS-088CS-SW-A3	B-J	B9.21	74S75/89-0	SUR	PT	11/6/98	Y	PASS	NRI	
II-CS-088CS-SW-A4	B-J	B9.21	74S75/89-0	SUR	PT	11/6/98	Y	PASS	NRI	
II-CS-088CS-SW-A5	B-J	B9.21	74S75/89-0	SUR	PT	11/6/98	Y	PASS	NRI	
II-CS-088CS-SW-A6	B-J	B9.21	74S75/89-0	SUR	PT	11/6/98	Y	PASS	NRI	
II-CS-094RC-FW-442	AUG	88-08	B09-02	VOL	UT-70	11/14/98		PASS	NRI	
II-CS-094RC-FW-442	AUG	88-08	B03-02	VOL	UT-45S	11/14/98		PASS	NRI	
II-CS-094RC-FW-442	B-J	B9.21	74S75/89-0	SUR	PT	11/14/98	Y	PASS	NRI	
II-CS-094RC-FW-445	B-J	B9.21	74S75/89-0	SUR	PT	11/7/98	Y	PASS	NRI	
II-CS-094RC-SW-A3	B-J	B9.21	74S75/89-0	SUR	PT	11/7/98	Y	PASS	NRI	
II-CS-094RC-SW-A4	AUG	88-08	B09-02	VOL	UT-45S	11/14/98		PASS	NRI	

(

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<i>Component ID</i>	<i>Category</i>	<i>Item No.</i>	<i>Exam Req</i>	<i>Exam Meth</i>	<i>Exam Type</i>	<i>Exam Date</i>	<i>Credit</i>	<i>Results</i>	<i>Comments</i>	<i>Limited</i>
II-CS-094RC-SW-A4	BJ	B9.21	74S75/89-0	SUR	PT	11/7/98	Y	PASS	NRI	
II-CS-106RC-FW-345	BJ	B9.40	74S75/89-0	SUR	PT	11/6/98	Y	PASS	NRI	
II-CT-001CT-FW-1	SER	250.1V	B03-02	VOL	UT-45S	10/21/98	Y	PASS	NR/GI	
II-CT-001CT-FW-1	SER	250.1S	B03-02	SUR	PT	10/20/98	Y	PASS	RI/ACC	
II-CT-001CT-FW-1A	SER	250.1S	B03-02	SUR	PT	10/20/98	Y	PASS	NRI	
II-CT-001CT-FW-1A	SER	250.1V	B03-02	VOL	UT-45S	10/21/98	Y	PASS	NR/GI	
II-CT-001CT-SW-A3	SER	250.1S	B03-02	SUR	PT	10/20/98	Y	PASS	NRI	
II-CT-001CT-SW-A3	SER	250.1V	B03-02	VOL	UT-45S	10/21/98	Y	PASS	NR/GI	
II-CT-001CT-SW-A3A	SER	250.1V	B03-02	VOL	UT-45S	10/21/98	Y	PASS	NR/GI	
II-CT-001CT-SW-A3A	SER	250.1S	B03-02	SUR	PT	10/20/98	Y	PASS	NRI	
II-CT-002CT-1-3-SW-4	SER	250.1S	B03-02	SUR	PT	10/20/98	Y	PASS	NRI	
II-CT-002CT-SW-A4	SER	250.1S	B03-02	SUR	PT	10/20/98	Y	PASS	NRI	
II-CT-002CT-SW-A4	SER	250.1V	B03-02	VOL	UT-45S	10/22/98	Y	PASS	NR/GI	
II-CT-002CT-SW-A4A	SER	250.1V	B03-02	VOL	UT-45S	10/22/98	Y	PASS	NR/GI	
II-CT-002CT-SW-A4A	SER	250.1S	B03-02	SUR	PT	10/20/98	Y	PASS	NI	
II-CT-002CT-SW-A5	SER	250.1V	B03-02	VOL	UT-45S	10/21/98	Y	PASS	NR/GI	
II-CT-002CT-SW-A5	SER	250.1S	B03-02	SUR	PT	10/20/98	Y	PASS	NRI	
II-CT-002CT-SW-A5A	SER	250.1V	B03-02	VOL	UT-45S	10/21/98	Y	PASS	NR/GI	
II-CT-002CT-SW-A5A	SER	250.1S	B03-02	SUR	PT	10/20/98	Y	PASS	NI	



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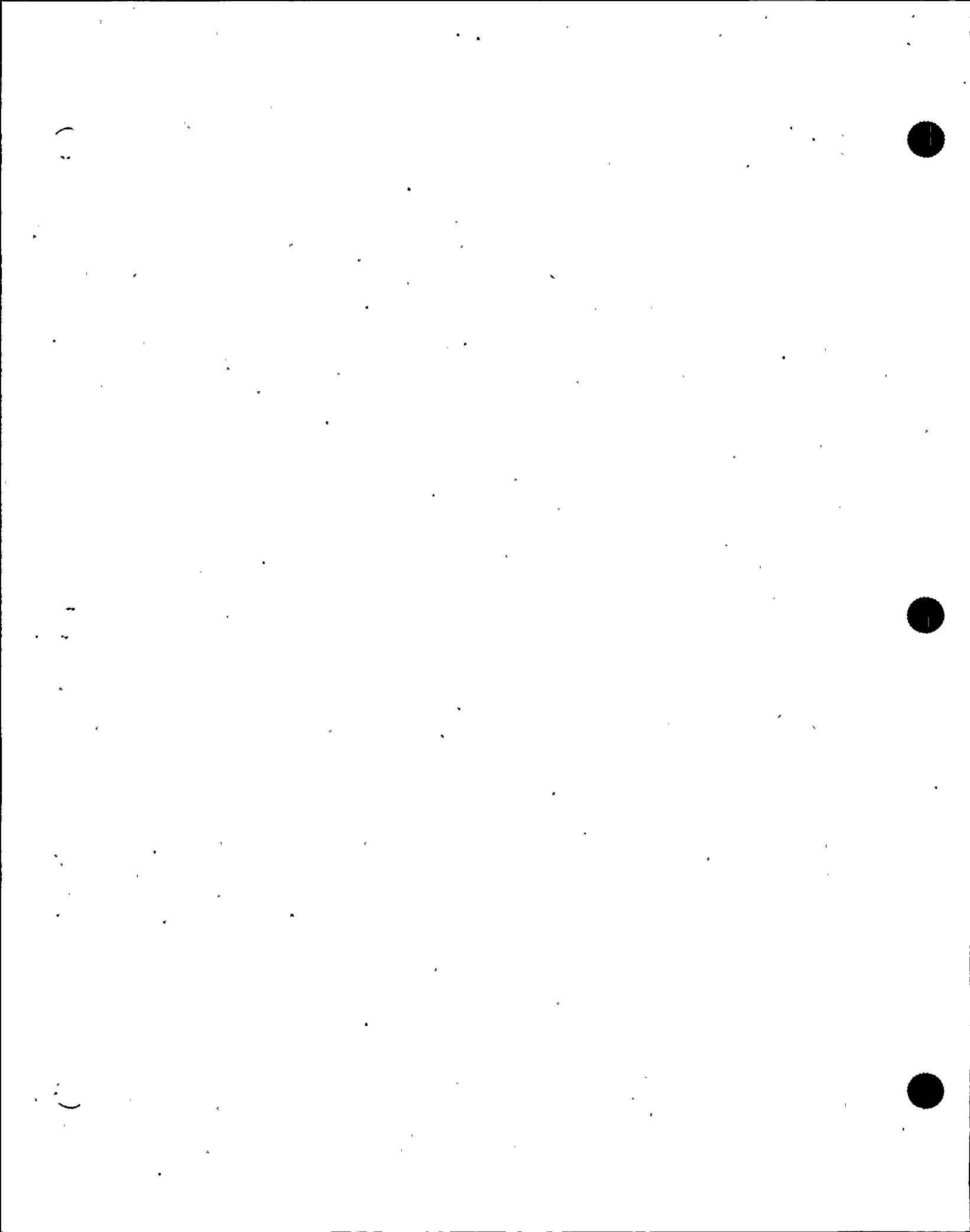
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<i>Component ID</i>	<i>Category</i>	<i>Item No.</i>	<i>Exam Req</i>	<i>Exam Meth</i>	<i>Exam Type</i>	<i>Exam Date</i>	<i>Credit</i>	<i>Results</i>	<i>Comments</i>	<i>Limited</i>
II-CT-007CT-11-FW-33	C-F-1	C5.11	89-02	VOL	UT-45S	11/4/98	Y	PASS	NRI 90.38%	YES
II-CT-007CT-11-FW-33	C-F-1	C5.11	89-02	SUR	PT	10/31/98	Y	PASS	NRI	
II-CT-007CT-11-FW-33LA	C-F-1	C5.12	89-02	VOL	UT-45S	11/4/98	Y	PASS	NRI	
II-CT-007CT-11-FW-33LA	C-F-1	C5.12	89-02	SUR	PT	10/31/98	Y	PASS	NRI	
II-CT-007CT-FW-32	C-F-1	C5.11	89-02	SUR	PT	10/31/98	Y	PASS	NRI	
II-CT-007CT-FW-32	C-F-1	C5.11	89-02	VOL	UT-45S	11/3/98	Y	PASS	NRI 91.60%	YES
II-CT-007CT-FW-32A	C-F-1	C5.12	89-02	VOL	UT-45S	11/3/98	Y	PASS	NRI	
II-CT-007CT-FW-32A	C-F-1	C5.12	89-02	SUR	PT	10/31/98	Y	PASS	NRI	
II-CT-008CT-FW-39	C-F-1	C5.11	89-02	SUR	PT	11/2/98		PASS	NRI	
II-CT-008CT-FW-39	C-F-1	C5.11	89-02	VOL	UT-45S	11/2/98		PASS	NRI 88.64%	YES
II-CT-008CT-FW-39A	C-F-1	C5.12	89-02	SUR	PT	11/2/98		PASS	NRI	
II-CT-008CT-FW-39A	C-F-1	C5.12	89-02	VOL	UT-45S	11/2/98		PASS	NRI	
II-CT-008CT-SW-F6	C-F-1	C5.11	89-02	VOL	UT-45S	10/28/98	Y	PASS	NRI/GI	
II-CT-008CT-SW-F6	C-F-1	C5.11	89-02	SUR	PT	10/28/98	Y	PASS	NRI	
II-CT-008CT-SW-F6A	C-F-1	C5.12	89-02	SUR	PT	10/28/98	Y	PASS	NI	
II-CT-008CT-SW-F6A	C-F-1	C5.12	89-02	VOL	UT-45S	10/28/98	Y	PASS	NRI	
II-CT-008CT-SW-J28	C-F-1	C5.11	89-02	SUR	PT	10/21/98		PASS	NRI	
II-CT-008CT-SW-J28A	C-F-1	C5.11	89-02	SUR	PT	10/21/98		PASS	NRI	
II-CT-008CT-SW-J4	C-F-1	C5.11	89-02	SUR	PT	10/21/98	Y	PASS	NRI	



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II-CT-008CT-SW-J4	C-F-1	C5.11	89-02	VOL	UT-45S	10/23/98	Y	PASS	NRI	
II-CT-008CT-SW-J4A	C-F-1	C5.12	89-02	SUR	PT	10/21/98	Y	PASS	NRI	
II-CT-008CT-SW-J4A	C-F-1	C5.12	89-02	VOL	UT-45S	10/23/98	Y	PASS	NRI	
II-CT-008CT-SW-J4B	C-F-1	C5.12	89-02	SUR	PT	10/21/98	Y	PASS	NRI	
II-CT-008CT-SW-J4B	C-F-1	C5.12	89-02	VOL	UT-45S	10/21/98	Y	PASS	NRI	
II-CT-016CT-SW-D3	SER	250.1V	B03-02	VOL	UT-45S	11/7/98	Y	PASS	NRI/GI	
II-CT-016CT-SW-D3	SER	250.1S	B03-02	SUR	PT	11/6/98	Y	PASS	NRI	
II-CT-016CT-SW-D4	SER	250.1S	B03-02	SUR	PT	11/6/98	Y	PASS	NRI	
II-CT-016CT-SW-D4	SER	250.1V	B03-02	VOL	UT-45S	11/7/98	Y	PASS	NRI/GI	
II-CTP-01CTP-A-A1	C-C	C3.30	89-02	SUR	PT	10/23/98	Y	PASS	NRI	
II-CTP-01CTP-A-A2	C-C	C3.30	89-02	SUR	PT	10/23/98	Y	PASS	NRI	
II-CTP-01CTP-A-A3	C-C	C3.30	89-02	SUR	PT	10/23/98	Y	PASS	NRI	
II-EL-001CSW-02A,B,C	C-A	C1.10	89-02	VOL	UT-45S	11/10/98	Y	PASS	NRI 98.6%	YES
II-FMR-01MS-FW-293	C-F-2	C5.51	89-02	VOL	UT-45S	11/2/98	Y	PASS	NRI/GI	
II-FMR-01MS-FW-293	C-F-2	C5.51	89-02	SUR	MT	11/2/98	Y	PASS	NRI	
II-FMR-01MS-FW-293A	C-F-2	C5.52	89-02	SUR	MT	11/2/98	Y	PASS	NRI	
II-FMR-01MS-FW-293A	C-F-2	C5.52	89-02	VOL	UT-45S	11/2/98	Y	PASS	NRI	
II-FMR-01MS-FW-293B	C-F-2	C5.52	89-02	VOL	UT-45S	11/2/98	Y	PASS	NRI	
II-FMR-01MS-FW-293B	C-F-2	C5.52	89-02	SUR	MT	11/2/98	Y	PASS	NRI	

<i>Component ID</i>	<i>Category</i>	<i>Item No.</i>	<i>Exam Req</i>	<i>Exam Meth</i>	<i>Exam Type</i>	<i>Exam Date</i>	<i>Credit</i>	<i>Results</i>	<i>Comments</i>	<i>Limited</i>
II-FMR-01RC-5-1-1-SW-3	B-J	B9.32	74S75/89-0	SUR	PT	11/11/98	Y	PASS	NRI	
II-FMR-01RC-5-1-1-SW-4	B-J	B9.32	74S75/89-0	SUR	PT	11/11/98	Y	PASS	NRI	
II-FMR-01RC-5-1-1-SW-5	B-J	B9.32	74S75/89-0	SUR	PT	11/11/98	Y	PASS	NRI	
II-FMR-01RC-5-1-1-SW-6	B-J	B9.32	74S75/89-0	SUR	PT	11/11/98	Y	PASS	NRI	
II-FMR-01RC-5-1-5-SW-7	B-J	B9.32	74S75/89-0	SUR	PT	11/11/98	Y	PASS	NRI	
II-FMR-03FW-H-0126I(8)	C-C	C3.20	89-02	SUR	MT	11/9/98	Y	PASS	NRI	
II-FMR-03FW-SW-G2	C-F-2	C5.51	89-02	VOL	UT-45S	11/9/98	Y	PASS	NRI/GI	
II-FMR-03FW-SW-G2	C-F-2	C5.51	89-02	SUR	MT	11/9/98	Y	PASS	NRI	
II-FW-002AF-01-FW-1	FSAR	6.6.8B	B04-02	VOL	UT-45S	11/16/98	Y	PASS	NRI	
II-FW-002AF-01-FW-1	C-F-2	C5.51	89-02	VOL	UT-45S	11/16/98	Y	PASS	NRI	
II-FW-002AF-01-FW-1	C-F-2	C5.51	89-02	SUR	MT	10/28/98	Y	PASS	NRI	
II-FW-002AF-01-FW-2	FSAR	6.6.8B	B04-02	VOL	UT-45S	11/16/98	Y	PASS	NRI/GI	
II-FW-002AF-01-FW-2	C-F-2	C5.51	89-02	SUR	MT	10/28/98	Y	PASS	NRI	
II-FW-002AF-01-FW-2	C-F-2	C5.51	89-02	VOL	UT-45S	11/16/98	Y	PASS	NRI/GI	
II-FW-002AF-FW-260	C-F-2	C5.51	89-02	VOL	UT-45S	11/16/98	Y	PASS	NRI	
II-FW-002AF-FW-260	FSAR	6.6.8B	B04-02	VOL	UT-45S	11/16/98	Y	PASS	NRI	
II-FW-002AF-FW-260	C-F-2	C5.51	89-02	SUR	MT	10/28/98	Y	PASS	NRI	
II-FW-002FW-16-4-SW-1	FSAR	6.6.8D	B06-02	SUR	MT	10/28/98	Y	PASS	NRI	
II-FW-002FW-16-4-SW-2	FSAR	6.6.8D	B06-02	SUR	MT	10/28/98	Y	PASS	NRI	

<i>Component ID</i>	<i>Category</i>	<i>Item No.</i>	<i>Exam Req</i>	<i>Exam Meth</i>	<i>Exam Type</i>	<i>Exam Date</i>	<i>Credit</i>	<i>Results</i>	<i>Comments</i>	<i>Limited</i>
II-FW-002FW-25-2A-SW-1	FSAR	6.6.8D	B06-02	SUR	MT	10/28/98	Y	PASS	NRI	
II-FW-002FW-25-2A-SW-10	FSAR	6.6.8D	B06-02	SUR	MT	10/28/98	Y	PASS	NRI	
II-FW-002FW-25-2A-SW-2	FSAR	6.6.8D	B06-02	SUR	MT	10/28/98	Y	PASS	NRI	
II-FW-002FW-25-2A-SW-3	FSAR	6.6.8D	B06-02	SUR	MT	10/28/98	Y	PASS	NRI	
II-FW-002FW-25-2A-SW-4	FSAR	6.6.8D	B06-02	SUR	MT	10/28/98	Y	PASS	NRI	
II-FW-002FW-25-2A-SW-5	FSAR	6.6.8D	B06-02	SUR	MT	10/28/98	Y	PASS	NRI	
II-FW-002FW-25-2A-SW-6	FSAR	6.6.8D	B06-02	SUR	MT	10/28/98	Y	PASS	NRI	
II-FW-002FW-25-2A-SW-7	FSAR	6.6.8D	B06-02	SUR	MT	10/28/98	Y	PASS	NRI	
II-FW-002FW-25-2A-SW-8	FSAR	6.6.8D	B06-02	SUR	MT	10/28/98	Y	PASS	NRI	
II-FW-002FW-25-2A-SW-9	FSAR	6.6.8D	B06-02	SUR	MT	10/28/98	Y	PASS	NRI	
II-FW-002FW-39-5-SW-1	FSAR	6.6.8C	B05-02	VOL	UT-45S	10/27/98	Y	PASS	NRI	
II-FW-002FW-39-5-SW-2	FSAR	6.6.8C	B05-02	VOL	UT-45S	10/27/98	Y	PASS	NRI	
II-FW-002FW-39-5-SW-3	FSAR	6.6.8C	B05-02	VOL	UT-45S	10/27/98	Y	PASS	NRI	
II-FW-002FW-39-5-SW-4	FSAR	6.6.8C	B05-02	VOL	UT-45S	10/27/98	Y	PASS	NRI	
II-FW-002FW-39-5-SW-5	FSAR	6.6.8C	B05-02	VOL	UT-45S	10/27/98	Y	PASS	NRI	
II-FW-002FW-39-5-SW-6	FSAR	6.6.8C	B05-02	VOL	UT-45S	10/27/98	Y	PASS	NRI	
II-FW-002FW-39-FW-481	FSAR	6.6.8C	B05-02	VOL	UT-45S	10/27/98	Y	PASS	NRI	
II-FW-002FW-39-FW-482	FSAR	6.6.8C	B05-02	VOL	UT-45S	10/27/98	Y	PASS	NRI	
II-FW-002FW-FW-559	FSAR	6.6.8D	B06-02	SUR	MT	10/28/98	Y	PASS	NRI	

<i>Component ID</i>	<i>Category</i>	<i>Item No.</i>	<i>Exam Req</i>	<i>Exam Meth</i>	<i>Exam Type</i>	<i>Exam Date</i>	<i>Credit</i>	<i>Results</i>	<i>Comments</i>	<i>Limited</i>
II-FW-002FW-FW-560	FSAR	6.6.8D	B06-02	SUR	MT	10/28/98	Y	PASS	NRI	
II-FW-002FW-FW-561	FSAR	6.6.8D	B06-02	SUR	MT	10/28/98	Y	PASS	NRI	
II-FW-002FW-FW-562	FSAR	6.6.8D	B06-02	SUR	MT	10/28/98	Y	PASS	NRI	
II-FW-002FW-FW-576	FSAR	6.6.8C	B05-02	VOL	UT-45S	11/12/98	Y	PASS	NRI	
II-FW-002FW-FW-577	FSAR	6.6.8D	B06-02	SUR	MT	10/28/98	Y	PASS	NRI	
II-FW-002FW-FW-581	FSAR	6.6.8D	B06-02	SUR	MT	10/28/98	Y	PASS	NRI	
II-FW-002FW-SW-C3	FSAR	6.6.8D	B06-02	SUR	MT	10/28/98	Y	PASS	NRI	
II-FW-002FW-SW-C5	FSAR	6.6.8D	B06-02	SUR	MT	10/28/98	Y	PASS	NRI	
II-FW-002FW-SW-C6	FSAR	6.6.8D	B06-02	SUR	MT	10/28/98	Y	PASS	NRI	
II-FW-002FW-SW-C7	FSAR	6.6.8D	B06-02	SUR	MT	10/28/98	Y	PASS	NRI	
II-FW-002FW-SW-C8	FSAR	6.6.8D	B06-02	SUR	MT	10/28/98	Y	PASS	NRI	
II-FW-002FW-SW-D3	FSAR	6.6.8D	B06-02	SUR	MT	10/28/98	Y	PASS	NRI	
II-FW-002FW-SW-E3	FSAR	6.6.8D	B06-02	SUR	MT	10/28/98	Y	PASS	NRI	
II-FW-003AF-01-FW-1	C-F-2	C5.51	89-02	SUR	MT	11/12/98		PASS	Baseline	
II-FW-003AF-01-FW-1	C-F-2	C5.51	89-02	VOL	UT-45S	11/12/98		PASS	Baseline	
II-FW-003AF-01-FW-1	FSAR	6.6.8B	B04-02	VOL	UT-45S	11/12/98		PASS	Baseline	
II-FW-003AF-01-FW-2	FASR	6.6.8B	B04-02	VOL	UT-45S	11/12/98		PASS	Baseline	
II-FW-003AF-01-FW-2	C-F-2	C5.51	89-02	VOL	UT-45S	11/12/98		PASS	Baseline	
II-FW-003AF-01-FW-2	C-F-2	C5.51	89-02	SUR	MT	11/12/98		PASS	Baseline	

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II-FW-003AF-FW-267	C-F-2	C5.51	89-02	SUR	MT	11/12/98		PASS	Baseline	
II-FW-003AF-FW-267	FSAR	6.6.8B	B04-02	VOL	UT-45S	11/12/98		PASS	Baseline	
II-FW-003AF-FW-267	C-F-2	C5.51	89-02	VOL	UT-45S	11/12/98		PASS	Baseline	
II-FW-003AF-FW-268	FSAR	6.6.8B	B04-02	VOL	UT-45S	11/12/98		PASS	Baseline	
II-FW-003AF-FW-268	C-F-2	C5.51	89-02	VOL	UT-45S	11/12/98		PASS	Baseline	
II-FW-003AF-FW-268	C-F-2	C5.51	89-02	SUR	MT	11/12/98		PASS	Baseline	
II-FW-003AF-FW-269	C-F-2	C5.51	89-02	SUR	MT	11/12/98		PASS	Baseline	
II-FW-003AF-FW-269	C-F-2	C5.51	89-02	VOL	UT-45S	11/12/98		PASS	Baseline	
II-FW-003AF-FW-269	FSAR	6.6.8B	B04-02	VOL	UT-45S	11/12/98		PASS	Baseline	
II-FW-003FW-17-2-SW-2	FSAR	6.6.8D	B06-02	SUR	MT	10/29/98	Y	PASS	NRI	
II-FW-003FW-25-3A-SW-1	FSAR	6.6.8D	B06-02	SUR	MT	10/29/98	Y	PASS	NRI	
II-FW-003FW-25-3A-SW-10	FSAR	6.6.8D	B06-02	SUR	MT	10/29/98	Y	PASS	NRI	
II-FW-003FW-25-3A-SW-2	FSAR	6.6.8D	B06-02	SUR	MT	10/29/98	Y	PASS	NRI	
II-FW-003FW-25-3A-SW-3	FSAR	6.6.8D	B06-02	SUR	MT	10/29/98	Y	PASS	NRI	
II-FW-003FW-25-3A-SW-4	FSAR	6.6.8D	B06-02	SUR	MT	10/29/98	Y	PASS	NRI	
II-FW-003FW-25-3A-SW-5	FSAR	6.6.8D	B06-02	SUR	MT	10/29/98	Y	PASS	NRI	
II-FW-003FW-25-3A-SW-6	FSAR	6.6.8D	B06-02	SUR	MT	10/29/98	Y	PASS	NRI	
II-FW-003FW-25-3A-SW-7	6.6.8D	6.6.8D	B06-02	SUR	MT	10/29/98	Y	PASS	NRI	
II-FW-003FW-25-3A-SW-8	FSAR	6.6.8D	B06-02	SUR	MT	10/29/98	Y	PASS	NRI	



<i>Component ID</i>	<i>Category</i>	<i>Item No.</i>	<i>Exam Req</i>	<i>Exam Meth</i>	<i>Exam Type</i>	<i>Exam Date</i>	<i>Credit</i>	<i>Results</i>	<i>Comments</i>	<i>Limited</i>
II-FW-003FW-25-3A-SW-9	FSAR	6.6.8D	B06-02	SUR	MT	10/29/98	Y	PASS	NRI	
II-FW-003FW-36-3-SW-1	FSAR	6.6.8C	B05-02	VOL	UT-45S	11/11/98	Y	PASS	NR/GI	
II-FW-003FW-36-FW-478	FSAR	6.6.8C	B05-02	VOL	UT-45S	11/11/98	Y	PASS	NRI	
II-FW-003FW-FW-565	FSAR	6.6.8D	B06-02	SUR	MT	10/29/98	Y	PASS	NRI	
II-FW-003FW-FW-566	FSAR	6.6.8D	B06-02	SUR	MT	10/29/98	Y	PASS	NRI	
II-FW-003FW-FW-567	FSAR	6.6.8D	B06-02	SUR	MT	10/29/98	Y	PASS	NRI	
II-FW-003FW-FW-568	FSAR	6.6.8D	B06-02	SUR	MT	10/29/98	Y	PASS	NRI	
II-FW-003FW-FW-578	FSAR	6.6.8C	B05-02	VOL	UT-45S	11/11/98	Y	PASS	NR/GI	
II-FW-003FW-FW-579	FSAR	6.6.8D	B06-02	SUR	MT	11/7/98	Y	PASS	NRI	
II-FW-003FW-FW-582	FSAR	6.6.8D	B06-02	SUR	MT	10/29/98	Y	PASS	NRI	
II-FW-003FW-SW-C3	FSAR	6.6.8D	B06-02	SUR	MT	10/29/98	Y	PASS	NRI	
II-FW-003FW-SW-C4	FSAR	6.6.8D	B06-02	SUR	MT	10/29/98	Y	PASS	NRI	
II-FW-003FW-SW-C5	FSAR	6.6.8D	B06-02	SUR	MT	10/29/98	Y	PASS	NRI	
II-FW-003FW-SW-C6	FSAR	6.6.8D	B06-02	SUR	MT	10/29/98	Y	PASS	NRI	
II-FW-003FW-SW-C7	FSAR	6.6.8D	B06-02	SUR	MT	10/29/98	Y	PASS	NRI	
II-FW-003FW-SW-C8	FSAR	6.6.8D	B06-02	SUR	MT	10/29/98	Y	PASS	NRI	
II-FW-003FW-SW-C9	FSAR	6.6.8D	B06-02	SUR	MT	10/29/98	Y	PASS	NRI	
II-FW-003FW-SW-D3	FSAR	6.6.8D	B06-02	SUR	MT	10/29/98	Y	PASS	NRI	
II-FW-003FW-SW-E3	FSAR	6.6.8D	B06-02	SUR	MT	10/29/98	Y	PASS	NRI	

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<i>Component ID</i>	<i>Category</i>	<i>Item No.</i>	<i>Exam Req</i>	<i>Exam Meth</i>	<i>Exam Type</i>	<i>Exam Date</i>	<i>Credit</i>	<i>Results</i>	<i>Comments</i>	<i>Limited</i>
II-FW-004FW-FW-574	FSAR	6.6.8C	B05-02	VOL	UT-45S	11/12/98	Y	PASS	NRI	
II-MS-001MS-FW-283	C-F-2	C5.51	89-02	SUR	MT	11/16/98	Y	PASS	NRI	
II-MS-001MS-FW-283	C-F-2	C5.51	89-02	VOL	UT-45S	11/16/98	Y	PASS	NRI/GI	
II-MS-001MS-FW-283	FSAR	6.6.8C	B05-02	VOL	UT-45S	11/16/98	Y	PASS	NRI/GI	
II-MS-001MS-FW-283A	C-F-2	C5.52	89-02	VOL	UT-45S	11/16/98	Y	PASS	NRI	
II-MS-001MS-FW-283A	C-F-2	C5.52	89-02	SUR	MT	11/16/98	Y	PASS	NRI	
II-MS-001MS-FW-283A	FSAR	6.6.8C	B05-02	VOL	UT-45S	11/16/98	Y	PASS	NRI	
II-MS-001MS-FW-284	C-F-2	C5.51	89-02	VOL	UT-45S	11/16/98	Y	PASS	NRI	
II-MS-001MS-FW-284	C-F-2	C5.51	89-02	SUR	MT	11/16/98	Y	PASS	NRI	
II-MS-001MS-FW-284	FSAR	6.6.8C	B05-02	VOL	UT-45S	11/16/98	Y	PASS	NRI	
II-MS-001MS-SW-A11	C-F-2	C5.51	89-02	VOL	UT-45S	11/16/98	Y	PASS	NRI	
II-MS-001MS-SW-A11	C-F-2	C5.51	89-02	SUR	MT	11/16/98	Y	PASS	NRI	
II-MS-001MS-SW-A11	FSAR	6.6.8C	B05-02	VOL	UT-45S	11/16/98	Y	PASS	NRI	
II-MS-001MS-SW-A12	C-F-2	C5.51	89-02	SUR	MT	11/16/98	Y	PASS	NRI	
II-MS-001MS-SW-A12	C-F-2	C5.51	89-02	VOL	UT-45S	11/16/98	Y	PASS	NRI	
II-MS-001MS-SW-A12	FSAR	6.6.8C	B05-02	VOL	UT-45S	11/16/98	Y	PASS	NRI	
II-MS-001MS-SW-A13	C-F-2	C5.51	89-02	VOL	UT-45S	11/16/98	Y	PASS	NRI	
II-MS-001MS-SW-A13	C-F-2	C5.51	89-02	SUR	MT	11/16/98	Y	PASS	NRI	
II-MS-001MS-SW-A13	FSAR	6.6.8C	B05-02	VOL	UT-45S	11/16/98	Y	PASS	NRI	



<i>Component ID</i>	<i>Category</i>	<i>Item No.</i>	<i>Exam Req</i>	<i>Exam Meth</i>	<i>Exam Type</i>	<i>Exam Date</i>	<i>Credit</i>	<i>Results</i>	<i>Comments</i>	<i>Limited</i>
II-MS-001MS-SW-A14	C-F-2	C5.51	89-02	VOL	UT-45S	11/16/98	Y	PASS	NRI	
II-MS-001MS-SW-A14	FSAR	6.6.8C	B05-02	VOL	UT-45S	11/16/98	Y	PASS	NRI	
II-MS-001MS-SW-A14	C-F-2	C5.51	89-02	SUR	MT	11/16/98	Y	PASS	NRI	
II-MS-001MS-SW-A15	C-F-2	C5.51	89-02	SUR	MT	11/16/98	Y	PASS	NRI	
II-MS-001MS-SW-A15	C-F-2	C5.51	89-02	VOL	UT-45S	11/16/98	Y	PASS	NRI	
II-MS-001MS-SW-A15	FSAR	6.6.8C	B05-02	VOL	UT-45S	11/16/98	Y	PASS	NRI	
II-MS-001MS-SW-A3	C-F-2	C5.51	89-02	SUR	MT	11/16/98		PASS	NRI	
II-MS-001MS-SW-A30	C-F-2	C5.51	89-02	SUR	MT	11/16/98	Y	PASS	NRI	
II-MS-001MS-SW-A30	FSAR	6.6.8C	B05-02	VOL	UT-45S	11/16/98	Y	PASS	NRI/GI	
II-MS-001MS-SW-A30	C-F-2	C5.51	89-02	VOL	UT-45S	11/16/98	Y	PASS	NRI/GI	
II-MS-001MS-SW-A34	C-F-2	C5.51	89-02	SUR	MT	11/16/98	Y	PASS	NRI	
II-MS-001MS-SW-A34	FSAR	6.6.8C	B05-02	VOL	UT-45S	11/16/98	Y	PASS	NRI	
II-MS-001MS-SW-A34	C-F-2	C5.51	89-02	VOL	UT-45S	11/16/98	Y	PASS	NRI	
II-MS-001MS-SW-A3A	C-F-2	C5.52	89-02	SUR	MT	11/16/98		PASS	NRI	
II-PZR-01LSW-07	B-B	B2.12	89-02	VOL	UT-00	10/30/98	Y	PASS	NRI	
II-PZR-01LSW-07	B-B	B2.12	89-02	VOL	UT-45S	10/30/98	Y	PASS	NRI	
II-PZR-01LSW-07	B-B	B2.12	89-02	VOL	UT-60S	10/30/98	Y	PASS	NRI	
II-PZR-01NIR-09	B-D	B3.120	89-02	VOL	UT-70S	10/30/98	Y	PASS	NRI	
II-PZR-01NIR-10	B-D	B3.120	89-02	VOL	UT-70S	10/30/98	Y	PASS	NRI	

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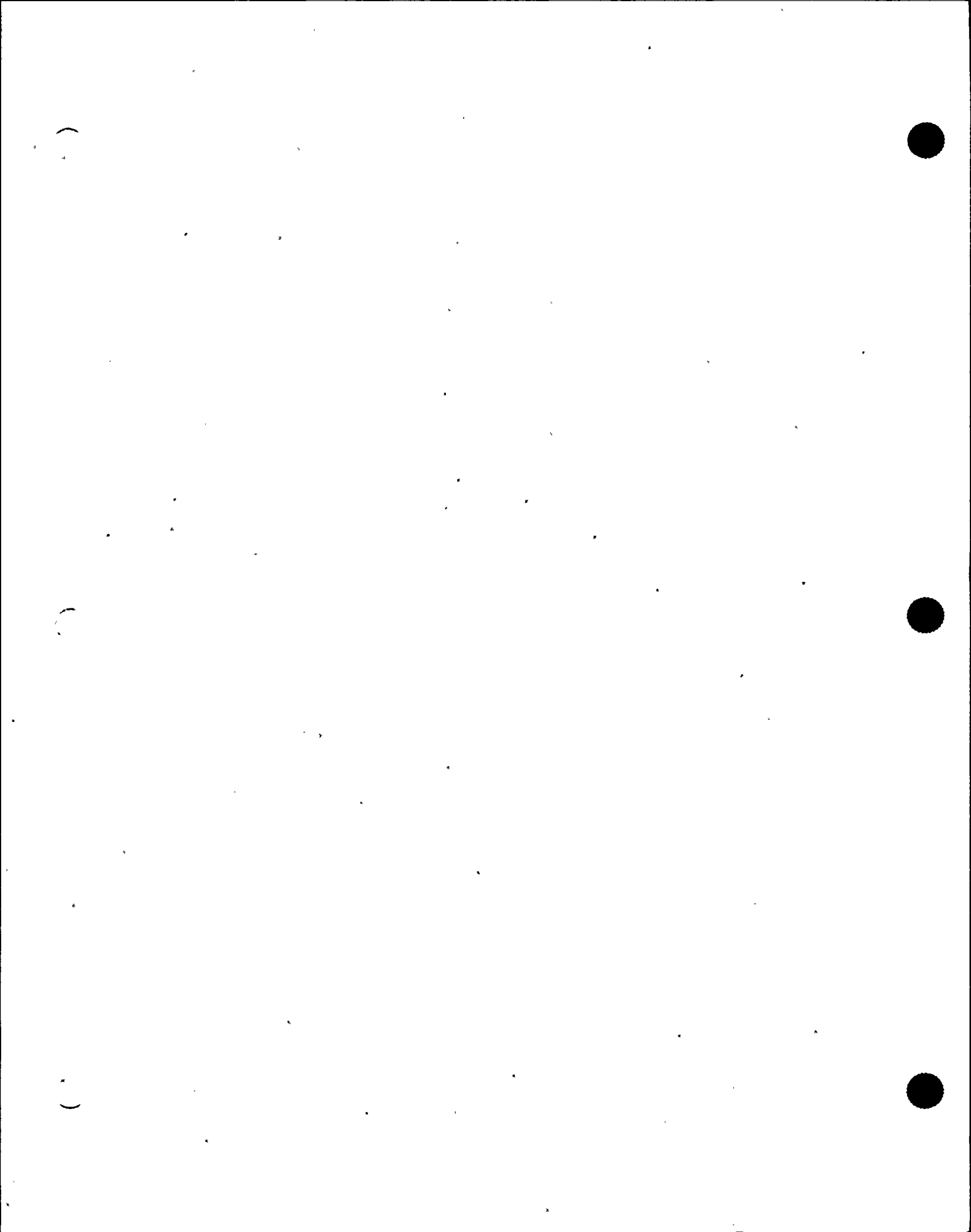
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<i>Component ID</i>	<i>Category</i>	<i>Item No.</i>	<i>Exam Req</i>	<i>Exam Meth</i>	<i>Exam Type</i>	<i>Exam Date</i>	<i>Credit</i>	<i>Results</i>	<i>Comments</i>	<i>Limited</i>
II-PZR-01NIR-11	B-D	B3.120	89-02	VOL	UT-70S	10/30/98	Y	PASS	NRI	
II-PZR-01NIR-12	B-D	B3.120	89-02	VOL	UT-70S	10/30/98	Y	PASS	NRI	
II-PZR-01NIR-13	B-D	B3.120	89-02	VOL	UT-70S	10/30/98	Y	PASS	NRI	
II-PZR-01NSEW-16	B-F	B5.40	89-02	VOL	UT-45L	11/10/98	Y	PASS	NRI	
II-PZR-01NSEW-16	B-F	B5.40	89-02	VOL	UT-45S	11/10/98	Y	PASS	NRI	
II-PZR-01NSEW-16	B-F	B5.40	89-02	SUR	PT	10/30/98	Y	PASS	NI	
II-PZR-01NSEW-17	B-F	B5.40	89-02	SUR	PT	10/30/98	Y	PASS	NI	
II-PZR-01NSEW-17	B-F	B5.40	89-02	VOL	UT-45S	11/10/98	Y	PASS	NRI	
II-PZR-01NSEW-17	B-F	B5.40	89-02	VOL	UT-45L	11/10/98	Y	PASS	NRI	
II-PZR-01NSEW-18	B-F	B5.40	89-02	VOL	UT-45S	11/10/98	Y	PASS	NRI	
II-PZR-01NSEW-18	B-F	B5.40	89-02	VOL	UT-45L	11/10/98	Y	PASS	NR/GI	
II-PZR-01NSEW-18	B-F	B5.40	89-02	SUR	PT	10/30/98	Y	PASS	NI	
II-PZR-01NSEW-19	B-F	B5.40	89-02	SUR	PT	10/30/98	Y	PASS	NI	
II-PZR-01NSEW-19	B-F	B5.40	89-02	VOL	UT-45S	11/10/98	Y	PASS	NRI	
II-PZR-01NSEW-19	B-F	B5.40	89-02	VOL	UT-45L	11/10/98	Y	PASS	NR/GI	
II-PZR-01NSEW-20	B-F	B5.40	89-02	SUR	PT	10/30/98	Y	PASS	NI	
II-PZR-01NSEW-20	B-F	B5.40	89-02	VOL	UT-45S	11/10/98	Y	PASS	NRI	
II-PZR-01NSEW-20	B-F	B5.40	89-02	VOL	UT-45L	11/10/98	Y	PASS	NRI	
II-PZR-01NTHW-09	B-D	B3.110	89-02	VOL	UT-60S	10/30/98		PASS	67.14%	YES





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II-PZR-01NTHW-09	B-D	B3.110	89-02	VOL	UT-00	10/30/98		PASS	67.14%	YES
II-PZR-01NTHW-09	B-D	B3.110	89-02	VOL	UT-45S	10/30/98		PASS	67.14%	YES
II-PZR-01NTHW-10	B-D	B3.110	89-02	VOL	UT-45S	10/30/98		PASS	67.14%	YES
II-PZR-01NTHW-10	B-D	B3.110	89-02	VOL	UT-60S	10/30/98		PASS	67.14%	YES
II-PZR-01NTHW-10	B-D	B3.110	89-02	VOL	UT-00	10/30/98		PASS	67.14%	YES
II-PZR-01NTHW-11	B-D	B3.110	89-02	VOL	UT-60S	10/30/98		PASS	67.14%	YES
II-PZR-01NTHW-11	B-D	B3.110	89-02	VOL	UT-45S	10/30/98		PASS	67.14%	YES
II-PZR-01NTHW-11	B-D	B3.110	89-02	VOL	UT-00	10/30/98		PASS	67.14%	YES
II-PZR-01NTHW-12	B-D	B3.110	89-02	VOL	UT-60S	10/30/98		PASS	67.14%	YES
II-PZR-01NTHW-12	B-D	B3.110	89-02	VOL	UT-00	10/30/98		PASS	67.14%	YES
II-PZR-01NTHW-12	B-D	B3.110	89-02	VOL	UT-45S	10/30/98		PASS	67.14%	YES
II-PZR-01NTHW-13	B-D	B3.110	89-02	VOL	UT-45S	10/30/98		PASS	67.14%	YES
II-PZR-01NTHW-13	B-D	B3.110	89-02	VOL	UT-60S	10/30/98		PASS	67.14%	YES
II-PZR-01NTHW-13	B-D	B3.110	89-02	VOL	UT-00	10/30/98		PASS	67.14%	YES
II-PZR-01STHW-04A,B,C	B-B	B2.11	89-02	VOL	UT-00	10/30/98	Y	PASS	NRI	
II-PZR-01STHW-04A,B,C	B-B	B2.11	89-02	VOL	UT-45S	10/30/98	Y	PASS	RI - ACC	
II-PZR-01STHW-04A,B,C	B-B	B2.11	89-02	VOL	UT-60S	10/30/98	Y	PASS	RI - ACC	
II-RC-009RC-FW-1	B-J	B9.11	74S75/89-0	SUR	PT	11/10/98	Y	PASS	NRI	
II-RC-009RC-FW-1	B-J	B9.11	74S75/89-0	VOL	UT-45S	11/10/98	Y	PASS	RI - ACC/GI	

<i>Component ID</i>	<i>Category</i>	<i>Item No.</i>	<i>Exam Req</i>	<i>Exam Meth</i>	<i>Exam Type</i>	<i>Exam Date</i>	<i>Credit</i>	<i>Results</i>	<i>Comments</i>	<i>Limited</i>
II-RH-001CT-FW-57	C-F-1	C5.11	89-02	VOL	UT-45S	10/19/98	Y	PASS	NRI	
II-RH-001CT-FW-57	C-F-1	C5.11	89-02	SUR	PT	10/19/98	Y	PASS	NRI	
II-RH-001CT-FW-57A	C-F-1	C5.12	89-02	SUR	PT	10/19/98	Y	PASS	NRI	
II-RH-001CT-FW-57A	C-F-1	C5.12	89-02	VOL	UT-45S	10/19/98	Y	PASS	NRI	
II-RH-001RH-FW-3	SER	250.1V	B03-02	VOL	UT-45S	10/19/98	Y	PASS	NRI/GI	
II-RH-001RH-FW-3	SER	250.1S	B03-02	SUR	PT	10/19/98	Y	PASS	NRI	
II-RH-001RH-FW-3A	SER	250.1S	B03-02	SUR	PT	10/19/98	Y	PASS	NRI	
II-RH-001RH-FW-3A	SER	250.1V	B03-02	VOL	UT-45S	10/19/98	Y	PASS	NRI	
II-RH-001RH-FW-8	C-F-1	C5.11	89-02	SUR	PT	10/19/98	Y	PASS	NRI	
II-RH-001RH-FW-8	C-F-1	C5.11	89-02	VOL	UT-45S	10/19/98	Y	PASS	NRI	
II-RH-001RH-FW-8A	C-F-1	C5.12	89-02	VOL	UT-45S	10/19/98	Y	PASS	NRI	
II-RH-001RH-FW-8A	C-F-1	C5.12	89-02	SUR	PT	10/19/98	Y	PASS	NRI	
II-RH-001RH-FW-8B	C-F-1	C5.12	89-02	VOL	UT-45S	10/19/98	Y	PASS	NRI	
II-RH-001RH-FW-8B	C-F-1	C5.12	89-02	SUR	PT	10/19/98	Y	PASS	NRI	
II-RH-001RH-SW-A3	SER	250.1S	B03-02	SUR	PT	10/19/98	Y	PASS	RI - ACC	
II-RH-001RH-SW-A3	SER	250.1V	B03-02	VOL	UT-45S	10/19/98	Y	PASS	NRI/GI	
II-RH-001RH-SW-A3A	SER	250.1V	B03-02	VOL	UT-45S	10/19/98	Y	PASS	NRI/GI	
II-RH-001RH-SW-A3A	SER	250.1S	B03-02	SUR	PT	10/19/98	Y	PASS	NRI	
II-RH-001RH-SW-E4	C-F-1	C5.11	89-02	SUR	PT	10/19/98	Y	PASS	NRI	

<i>Component ID</i>	<i>Category</i>	<i>Item No.</i>	<i>Exam Req</i>	<i>Exam Meth</i>	<i>Exam Type</i>	<i>Exam Date</i>	<i>Credit</i>	<i>Results</i>	<i>Comments</i>	<i>Limited</i>
II-RH-001RH-SW-E4	C-F-1	C5.11	89-02	VOL	UT-45S	10/19/98	Y	PASS	NRI/GI	
II-RH-001RH-SW-E4A	C-F-1	C5.12	89-02	SUR	PT	10/19/98	Y	PASS	NRI	
II-RH-001RH-SW-E4A	C-F-1	C5.12	89-02	VOL	UT-45S	10/19/98	Y	PASS	NRI	
II-RH-001RH-SW-E4B	C-F-1	C5.12	89-02	SUR	PT	10/19/98	Y	PASS	NRI	
II-RH-001RH-SW-E4B	C-F-1	C5.12	89-02	VOL	UT-45S	10/19/98	Y	PASS	NRI	
II-RHR-01RHRA-CSW-02A	C-A	AUG	89-02	SUR	PT	10/20/98	Y	PASS	NI	
II-RHR-01RHRA-CSW-02A,B,C	C-A	C1.10	89-02	VOL	UT-45S	10/20/98		PASS	66.5%	YES
II-RHR-01RHRA-SR-4A,B,C,D	C-B	C2.31	89-02	SUR	PT	10/20/98	Y	PASS	RI'S - ACC	
II-RHR-01RHRA-SR-5A,B,C,D	C-B	C2.31	89-02	SUR	PT	10/20/98	Y	PASS	NRI	
II-RV-001BCONO-A(1-3)	B-G-2	B7.10	89-02	SUR	VT-1	11/7/98	Y	PASS	RI - ACC	
II-SG-001SGA-CLMN(1-16)	B-G-2	B7.30	89-02	SUR	VT-1	11/12/98	Y	PASS	RI - ACC	
II-SG-001SGA-CLMS(1-16)	B-G-2	B7.30	89-02	SUR	VT-1	11/11/98	Y	PASS	RI - ACC	
II-SG-001SGA-HLMN(1-16)	B-G-2	B7.30	89-02	SUR	VT-1	11/12/98	Y	PASS	RI - ACC	
II-SG-001SGA-HLMS(1-16)	B-G-2	B7.30	89-02	SUR	VT-1	11/11/98	Y	PASS	RI - ACC	
II-SI-008SI-FW-456	C-F-1	C5.11	89-02	VOL	UT-60S	10/24/98	Y	PASS	NRI	
II-SI-008SI-FW-456	C-F-1	C5.11	89-02	SUR	PT	10/21/98	Y	PASS	NRI	
II-SI-008SI-SW-E4	SER	250.1S	B03-02	SUR	PT	10/31/98	Y	PASS	NRI	
II-SI-008SI-SW-E4A	SER	250.1S	B03-02	SUR	PT	10/31/98	Y	PASS	NRI	
II-SI-008SI-SW-G3	SER	250.1S	B03-02	SUR	PT	10/21/98	Y	PASS	NRI	

<i>Component ID</i>	<i>Category</i>	<i>Item No.</i>	<i>Exam Req</i>	<i>Exam Meth</i>	<i>Exam Type</i>	<i>Exam Date</i>	<i>Credit</i>	<i>Results</i>	<i>Comments</i>	<i>Limited</i>
II-SI-008SI-SW-G3A	SER	250.1S	B03-02	SUR	PT	10/21/98	Y	PASS	NRI	
II-SI-009SI-FW-278	SER	250.1S	B03-02	SUR	PT	10/21/98	Y	PASS	NRI	
II-SI-009SI-SW-B5	SER	250.1S	B03-02	SUR	PT	10/21/98	Y	PASS	NRI	
II-SI-017RC-FW-604	IE	88-08	89-02	VOL	UT-45S	11/8/98		PASS	NRI/GI/95.91	YES
II-SI-017RC-SW-A4	IE	88-08	89-02	VOL	UT-45S	11/6/98		PASS	NRI/GI	
II-SI-018SI-FW-965	BJ	B9.40	74S75/89-0	SUR	PT	11/3/98	Y	PASS	NRI	
II-SI-018SI-FW-966	BJ	B9.40	74S75/89-0	SUR	PT	11/3/98	Y	PASS	NRI	
II-SI-018SI-SW-A3	BJ	B9.40	74S75/89-0	SUR	PT	11/3/98	Y	PASS	NRI	
II-SI-018SI-SW-A4	BJ	B9.40	74S75/89-0	SUR	PT	11/3/98	Y	PASS	NRI	
II-SI-018SI-SW-A5	BJ	B9.40	74S75/89-0	SUR	PT	11/3/98	Y	PASS	NRI	
II-SI-018SI-SW-A6	BJ	B9.40	74S75/89-0	SUR	PT	11/3/98	Y	PASS	NRI	
II-SI-024RC-SW-A3	BJ	B9.11	74S75/89-0	SUR	PT	11/5/98	Y	PASS	NRI	
II-SI-024RC-SW-A3	BJ	B9.11	74S75/89-0	VOL	UT-45S	11/6/98	Y	PASS	NRI/GI	
II-SI-024RC-SW-A4	BJ	B9.11	74S75/89-0	VOL	UT-45S	11/6/98	Y	PASS	NRI/GI	
II-SI-024RC-SW-A4	BJ	B9.11	74S75/89-0	SUR	PT	11/5/98	Y	PASS	NRI	
II-SI-024SI-FW-588	BJ	B9.11	74S75/89-0	SUR	PT	11/5/98	Y	PASS	NRI	
II-SI-024SI-FW-588	BJ	B9.11	74S75/89-0	VOL	UT-45S	11/6/98	Y	PASS	NRI/GI	
II-SI-025RC-FW-295	BJ	B9.11	74S75/89-0	VOL	UT-45S	11/4/98	Y	PASS	NRI/GI	
II-SI-025RC-FW-295	BJ	B9.11	74S75/89-0	SUR	PT	11/3/98	Y	PASS	NI	

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<i>Component ID</i>	<i>Category</i>	<i>Item No.</i>	<i>Exam Req</i>	<i>Exam Meth</i>	<i>Exam Type</i>	<i>Exam Date</i>	<i>Credit</i>	<i>Results</i>	<i>Comments</i>	<i>Limited</i>
II-SI-025RC-SW-J3	B-J	B9.11	74S75/89-0	VOL	UT-45S	11/4/98	Y	PASS	NR/GI	
II-SI-025RC-SW-J3	B-J	B9.11	74S75/89-0	SRU	PT	11/4/98	Y	PASS	NI	
II-SI-025RC-SW-J4	B-J	B9.11	74S75/89-0	VOL	UT-45S	11/4/98	Y	PASS	NR/GI	
II-SI-025RC-SW-J4	B-J	B9.11	74S75/89-0	SUR	PT	11/4/98	Y	PASS	NI	
II-SI-025SI-FW-536	B-J	B9.11	74S75/89-0	VOL	UT-45S	11/4/98	Y	PASS	NR/GI	
II-SI-025SI-FW-536	B-J	B9.11	74S75/89-0	SUR	PT	11/4/98	Y	PASS	NI	
II-SI-026RC-FW-294	B-J	B9.11	74S75/89-0	VOL	UT-45S	11/6/98	Y	PASS	NR/GI	
II-SI-026RC-FW-294	B-J	B9.11	74S75/89-0	SUR	PT	11/6/98	Y	PASS	NI	
II-SI-026RC-SW-A3	B-J	B9.11	74S75/89-0	SUR	PT	11/6/98	Y	PASS	NRI	
II-SI-026RC-SW-A3	B-J	B9.11	74S75/89-0	VOL	UT-45S	11/6/98	Y	PASS	NR/GI	
II-SI-026RC-SW-A4	B-J	B9.11	74S75/89-0	SUR	PT	11/6/98	Y	PASS	NI	
II-SI-026RC-SW-A4	B-J	B9.11	74S75/89-0	VOL	UT-45S	11/6/98	Y	PASS	NR/GI	
II-SI-026RC-SW-A5	B-J	B9.11	74S75/89-0	SUR	PT	11/6/98	Y	PASS	NRI	
II-SI-026RC-SW-A5	B-J	B9.11	74S75/89-0	VOL	UT-45S	11/6/98	Y	PASS	NR/GI	
II-SI-026RC-SW-A6	B-J	B9.11	74S75/89-0	VOL	UT-45S	11/6/98	Y	PASS	NR/GI	
II-SI-026RC-SW-A6	B-J	B9.11	74S75/89-0	SUR	PT	11/6/98	Y	PASS	NRI	
II-SI-026SI-FW-543	B-J	B9.11	74S75/89-0	VOL	UT-45S	11/6/98		PASS	NR/GI/ 86.25	YES
II-SI-026SI-FW-543	B-J	B9.11	74S75/89-0	SUR	PT	11/6/98	Y	PASS	NRI	
II-SI-027RC-FW-542	IE	88-08	89-02	VOL	UT-45S	11/8/98		PASS	NRI	

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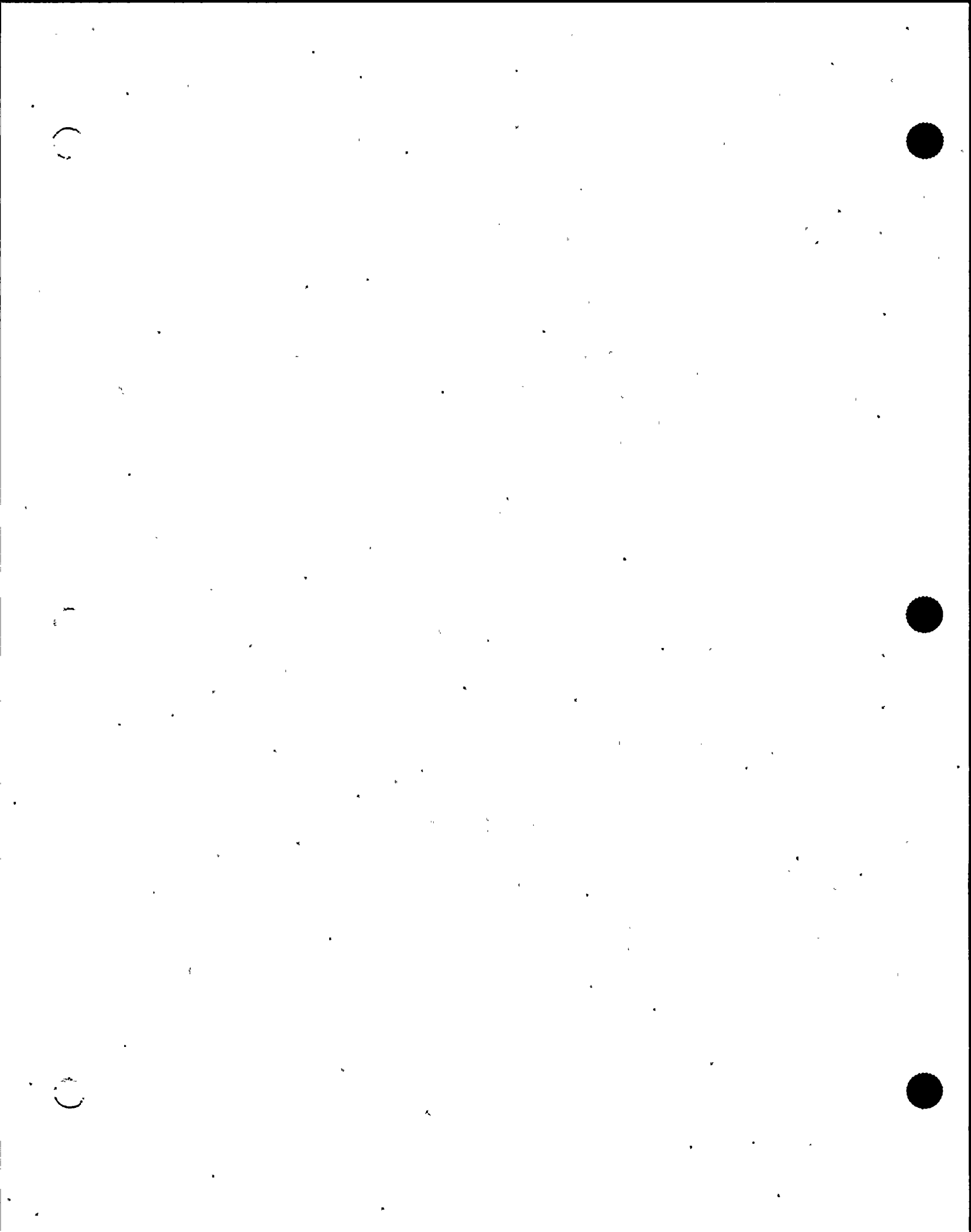


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<i>Component ID</i>	<i>Category</i>	<i>Item No.</i>	<i>Exam Req</i>	<i>Exam Meth</i>	<i>Exam Type</i>	<i>Exam Date</i>	<i>Credit</i>	<i>Results</i>	<i>Comments</i>	<i>Limited</i>
II-SI-027RC-SW-A3	IE	88-08	89-02	VOL	UT-45S	11/5/98		PASS	NR/GI	
II-SI-028RC-FW-296	B-J	B9.11	74S75/89-0	SUR	PT	11/5/98	Y	PASS	NRI	
II-SI-028RC-FW-296	B-J	B9.11	74S75/89-0	VOL	UT-45S	11/6/98	Y	PASS	NR/GI	
II-SI-028RC-FW-535	IE	88-08	89-02	VOL	UT-45S	11/6/98		PASS	NR/GI	
II-SI-028RC-SW-F3	B-J	B9.11	74S75/89-0	SUR	PT	11/5/98	Y	PASS	NRI	
II-SI-028RC-SW-F3	B-J	B9.11	74S75/89-0	VOL	UT-45S	11/6/98	Y	PASS	NR/GI	
II-SI-028RC-SW-F4	B-J	B9.11	74S75/89-0	SUR	PT	11/5/98	Y	PASS	NRI	
II-SI-028RC-SW-F4	B-J	B9.11	74S75/89-0	VOL	UT-45S	11/6/98	Y	PASS	NR/GI	
II-SI-028RC-SW-F5	B-J	B9.11	74S75/89-0	SUR	PT	11/5/98	Y	PASS	NRI	
II-SI-028RC-SW-F5	B-J	B9.11	74S75/89-0	VOL	UT-45S	11/6/98	Y	PASS	NR/GI	
II-SI-028RC-SW-F6	B-J	B9.11	74S75/89-0	VOL	UT-45S	11/6/98	Y	PASS	NR/GI	
II-SI-028RC-SW-F6	B-J	B9.11	74S75/89-0	SUR	PT	11/5/98	Y	PASS	NRI	
II-SI-030SI-FW-994	B-J	B9.40	74S75/89-0	SUR	PT	11/9/98	Y	PASS	NRI	
II-SI-030SI-SW-A6	B-J	B9.40	74S75/89-0	SUR	PT	11/9/98	Y	PASS	NRI	
II-SI-032SI-FW-992	B-J	B9.40	74S75/89-0	SUR	PT	11/11/98	Y	PASS	NRI	





Component ID      Category      Item No.      Exam Req      Exam Meth      Exam Type      Exam Date      Credit Results      Comments      Limited

*NI= No Indications*

*NRI= No Recordable Indications*

*RI= Recordable Indications*

*GI= Geometric Indications*

*ACC= Acceptable*

**Shearon Harris Nuclear Generating Station**

**Cycle 8**

**Steam Generator**

**Eddy Current Inspection Summary**

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## 1.0 INTRODUCTION

Steam Generator inspection and repair of Shearon Harris has been completed for the Cycle 8 refueling outage. Examinations of the tubing were performed with eddy current tests and visual examination. Tubes have been removed from service by plugging and in some tubes mechanical stabilizers have been installed.

Inspections were also performed of steam generator internals and the tube support structures by remote visual techniques.

The examinations resulted in a total of 72 tubes being plugged; 39 in steam generator "A", 15 in steam generator "B" and 18 in steam generator "C".

Taken as a whole the Harris inspection results show less active corrosion induced tube degradation than is found in similar steam generator types at other plants. Corrosion induced degradation has been slowly increasing, however, a slightly elevated increase in circumferential cracking is noted over cycle 7 in SG "A".

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

Loose part signals have increased slightly over cycle 7, and loose part indications have been noted. Comprehensive inspections have been performed to determine the extent and the amount of degradation at the loose part signals.

## 2.0 Examination Plan

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

Testing scope and scope expansion logic were planned prior to the beginning of inspection activities to address Technical Specification requirements, EPRI Guidelines and to specifically address known degradation phenomena and potential new degradation.

The inspection was completed on November 10, 1998. Table 1 is the inspection scope and Table 2 is the summary of tubes plugged. In summary the inspection original, planned scope was: 1.) 100% of all tubes with bobbin coil eddy current testing, 2.) 100% of all tubes with Plus Point® rotating coil (RC) eddy current testing at the hot leg top-of-tubesheet, 3.) A sample of hot leg dents, manufacturing buff marks and other benign indications with Plus Point®, 4.) A 20% sample of tubes with Plus Point® in the tight radii U-bends - rows 1 through 3 and, 5.) A 20% sample of the pre-heater expanded tubes in SG "B".

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No sample expansions were required consistent with preplanning, the EPRI Guidelines methodology, and site Technical Specification. Some additional RC probe testing was performed to bound certain loose part indications. RC examinations were performed around loose part indications and expanded by a one-tube boundary until no further indications were reported. Bounding was limited to SG "A" and "B".

### 3.0 Examination Results

Indications of tube wall loss and tube cracking were noted from tube inspections and are attributed to corrosion and mechanical wear. Corrosion indications were located at hot leg tube expansion transitions and within the hot leg tubesheet. Tube wear was noted at support structures in the cold leg pre-heater area and at the anti-vibration bars (AVB's). Minor wear was recorded where loose parts were previously detected. Table 2 is a summary of tubes plugged and the nature of the indication. Table 3 is a summary of all indications recorded during RFO8.

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

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

### 3.1 Additional Evaluations

In addition to eddy current inspections, other non destructive tests were performed to diagnose the steam generator tubes' condition and pressure retaining ability. These were; remote visual examination of installed tube plugs, foreign object search and retrieval (FOSAR), and remote and direct visual examination of the SG upper internals.

Inspections were performed on the top-of-tubesheet on all three steam generators. FOSAR was included and parts were removed from "C" and "B" steam generators. A limited inspection was performed on "A" due to water clarity. Steam generators "C" and "B" included sampling of the tube bundle as well as the tube lane and "T" slots. No significant findings were reported with the as found condition of the tubes.

Inspections were also performed in the upper steam dryer section of SG "B". No significant findings were reported other than erosion of the down-comer barrels above the swirl vanes just below the upper deck welds. Action was taken to

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evaluate the structural and operational integrity of the down-comer barrels through contact with Westinghouse. The erosion was further characterized by UT thickness readings as well as other operational information for all three steam generators as recommended by Westinghouse. Conclusions of the evaluation from Westinghouse was the steam generator down-comer degradation indicates that continued operation of steam generator "B" for two operating cycles will be acceptable. The steam generators are scheduled for replacement in two cycles. A visual examination was additionally performed on the suspect area in steam generator "C" with similar but less severe degradation viewed. Based on the results of SG "C" and the excess structural margin in SG "B" it was decided further investigation of SG "A" was not warranted.

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**Table 1 - Summary of Steam Generator Tube Inspection**

	S/G A	S/G B	S/G C
	Number of Tubes/Percent of Tubes		
<b>Bobbin - Full Length</b>	4543/100%	4561/100%	4538/100%
<b>Plus Point - Tight Radii U-Bends Row 1 - 3</b>	68/20%	68/20%	68/20%
<b>Plus Point - Expansion Transition - H/L TTS</b>	4543/100%	4561/100%	4538/100%
<b>Plus Point - Pre-Heater expanded tubes (two intersections per tube)</b>	n/a	26/20%	n/a
<b>Plus Point - Hot Leg Dents, Buff marks and benign indications</b>	36/20%	40/20%	46/20%
<b>Plus Point - Retest of Bobbin Coil Indications - Volumetric, Loose Parts and other Diagnostic examinations.</b>	29/100%	65/100%	3/100%

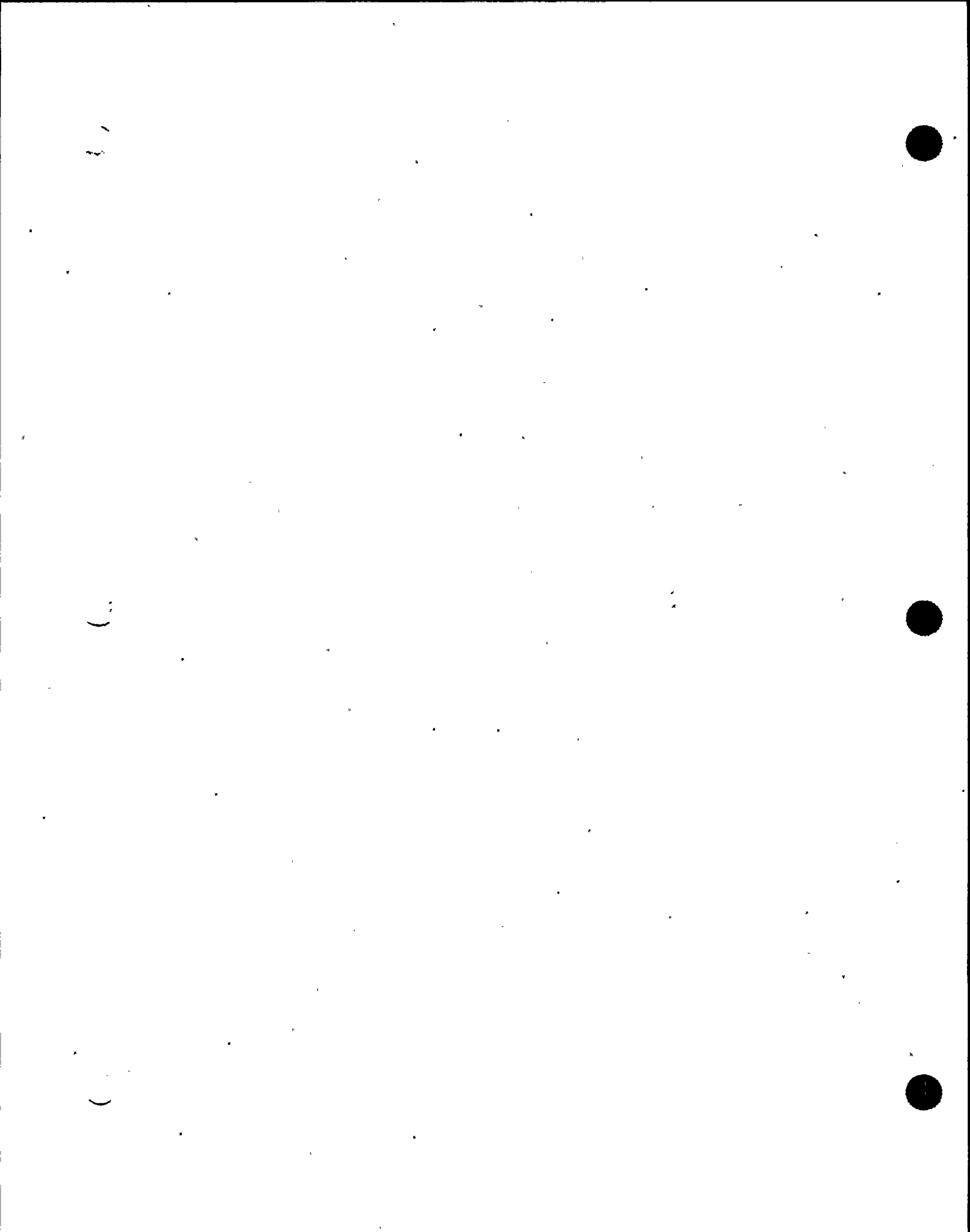


**Table 2 - Tubes Plugged For Indications of Tube Degradation**

Indication Orientation and Location	Steam Generator		
	SG A	SG B	SG C
Axial indications below the inlet top-of-tubesheet	1	1	1
Both circumferential and axial oriented indications that do not intersect and are near the expansion transition at the hot leg top-of-tubesheet	0	0	1 <sup>h</sup>
Circumferentially oriented indications near the expansion transition at the hot leg top-of-tubesheet	29 <sup>h</sup>	3 <sup>h</sup>	11 <sup>h</sup>
Axially oriented indications near the expansion transition at the hot leg top-of-tubesheet	0	0	3
Preventive plugging of tubes with loose part indications <sup>1</sup>	6 <sup>c</sup>	11(9 <sup>c</sup> )	0
Wear at an AVB support (Exceeding Plugging Limits)	1	0	0
Wear at an AVB support (Preventive Plugging)	0	0	1
Volumetric indication at a miscellaneous location in a tube	2	0	1
<b>Total Plugged - 72</b>	<b>39</b>	<b>15</b>	<b>18</b>

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

<sup>1</sup> One tube in SG "A" (row 38 column 99) also included a obstruction (dent) which would not pass a 0.580" bobbin probe. This criteria would also recommend a preventive tube plug.



**Table 3 - Indication Summary**

Indication Category	Steam Generator		
	SG A	SG B	SG C
Axial indications below the inlet top-of-tubesheet	1	1	1
Both circumferential and axial oriented indications that do not intersect and are near the expansion transition at the hot leg top-of-tubesheet	0	0	1
Circumferentially oriented indications near the expansion transition at the hot leg top-of-tubesheet	29	3	11
Axially oriented indications near the expansion transition at the hot leg top-of-tubesheet	0	0	3
Loose Part Indications (wear associated)	4	10	0
Loose Part Signals (no wear associated)	12	24	7
Wear 0-19%	20	9	24
20-29%	3	2	5
30-39%	0	1	6
40%-100%	1	0	0
Volumetric Indications (VOL, SVI)	7	9	6
<b>Total</b>	<b>77</b>	<b>59</b>	<b>64</b>

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





#### 4.0 Examination Techniques and Equipment

The hardware, qualification of techniques and qualifications of personnel met or exceeded regulatory requirements, industry guidance and prevailing industry good practice. The resolution process employed sufficient independence to preclude a systematic bias. The primary diagnostic tool that was used on defects was the Plus Point<sup>®</sup> rotating eddy current coil. This tool is currently the state-of-the-art tool for detection and categorization of certain defects.

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

Bobbin coil	A610M/ULC	.610" Diameter magnetic bias,
	A580SF/RM	.580" Diameter spring flex magnetic bias
Rotating coil	P610MRPC3C	.610" Diameter Three coil (.115" Mid-frequency, .080" High frequency Pancake, Plus point Mid-frequency
	P580MRPC1C	.580" Diameter One Coil Plus Point Mid-frequency. Mag. Bias
	P580MRPC2C	.580" Diameter Two Coil (.115" Mid-frequency Pancake, Plus Point Mid-frequency)

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

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

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

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**SECTION 4**

**COMPONENT SUPPORTS**

# RFO8 ASME XI Component Support Examination Report

<u>Support Number</u>	<u>Piping Class</u>	<u>Exam Date</u>	<u>Exam Results</u>
AF-H-0318	2	10/25/98	PASS
AF-H-0443	2	10/25/98	PASS
AF-H-0486	2	10/25/98	PASS
BD-H-0034	2	10/29/98	PASS
BD-H-0167	2	10/05/98	PASS
CS-H-0035	2	10/06/98	PASS
CS-H-2862(I)	1	10/25/98	PASS
CS-H-2957	2	10/29/98	FAIL
CS-H-2870 *	2	10/31/98	PASS
CS-H-2878 *	2	10/31/98	PASS
CS-H-2879 *	2	10/31/98	PASS
CS-H-2956 *	2	10/31/98	PASS
CS-H-2958 *	2	10/31/98	PASS
CT-H-0093	2	10/25/98	PASS
CT-H-0094	2	10/25/98	PASS
CT-H-0317	2	10/05/98	PASS
CT-H-0362	2	10/06/98	PASS
FW-H-0128	2	10/25/98	PASS
RC-H-0061	1	10/26/98	PASS
RC-H-0079	1	11/02/98	PASS
RC-H-0081	1	11/02/98	PASS
RH-H-0031	2	09/29/98	PASS
RH-H-0080	2	10/05/98	PASS
SI-H-0025	2	09/30/98	PASS
SI-H-0039	2	10/05/98	PASS
SI-H-0250	2	10/25/98	PASS
SI-H-0262	1	10/29/98	PASS
SI-H-0352	1	10/26/98	PASS
SI-H-0358	1	10/26/98	PASS

<u>Equipment Supports</u>	<u>Class</u>	<u>Exam Date</u>	<u>Results</u>
CSIP A Aux Lube Oil Pump 1A-SA	2	10/21/98	PASS
Reactor Coolant Pump 1A-SA	1	10/29/98	PASS
RHR Pump 1A-SA Cooler	2	09/25/98	PASS
RHR Pump 1A-SA	2	09/25/98	PASS
Seal Water Injection Filter 1A-SN	2	11/15/98	PASS

\* denotes scope expansion resulting from examination failure on CS-H-2957

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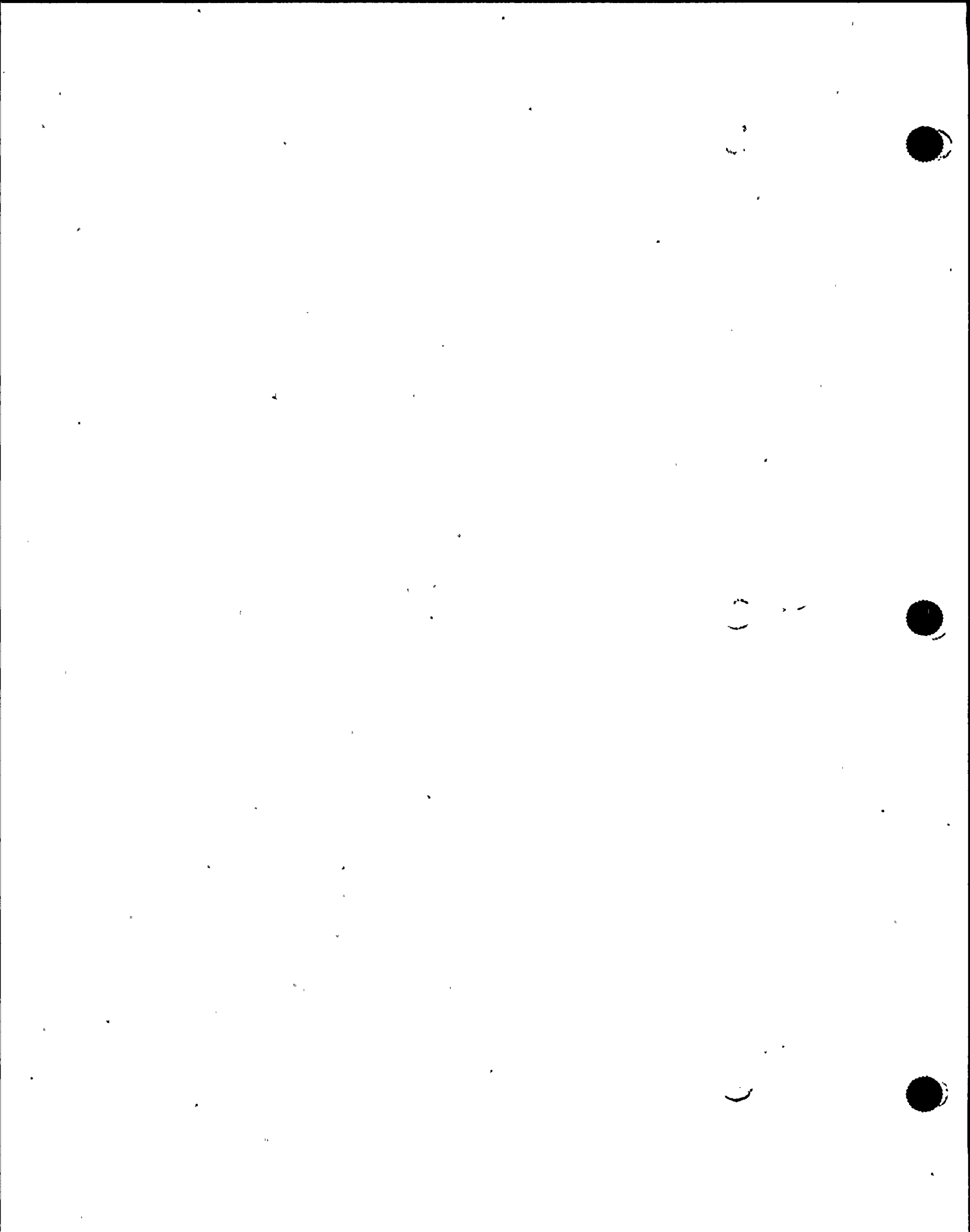
## SECTION 5

NIS-2 FORMS, REPORT OF REPAIRS AND REPLACEMENTS

**CYCLE 4**

**NIS-2 FORMS**

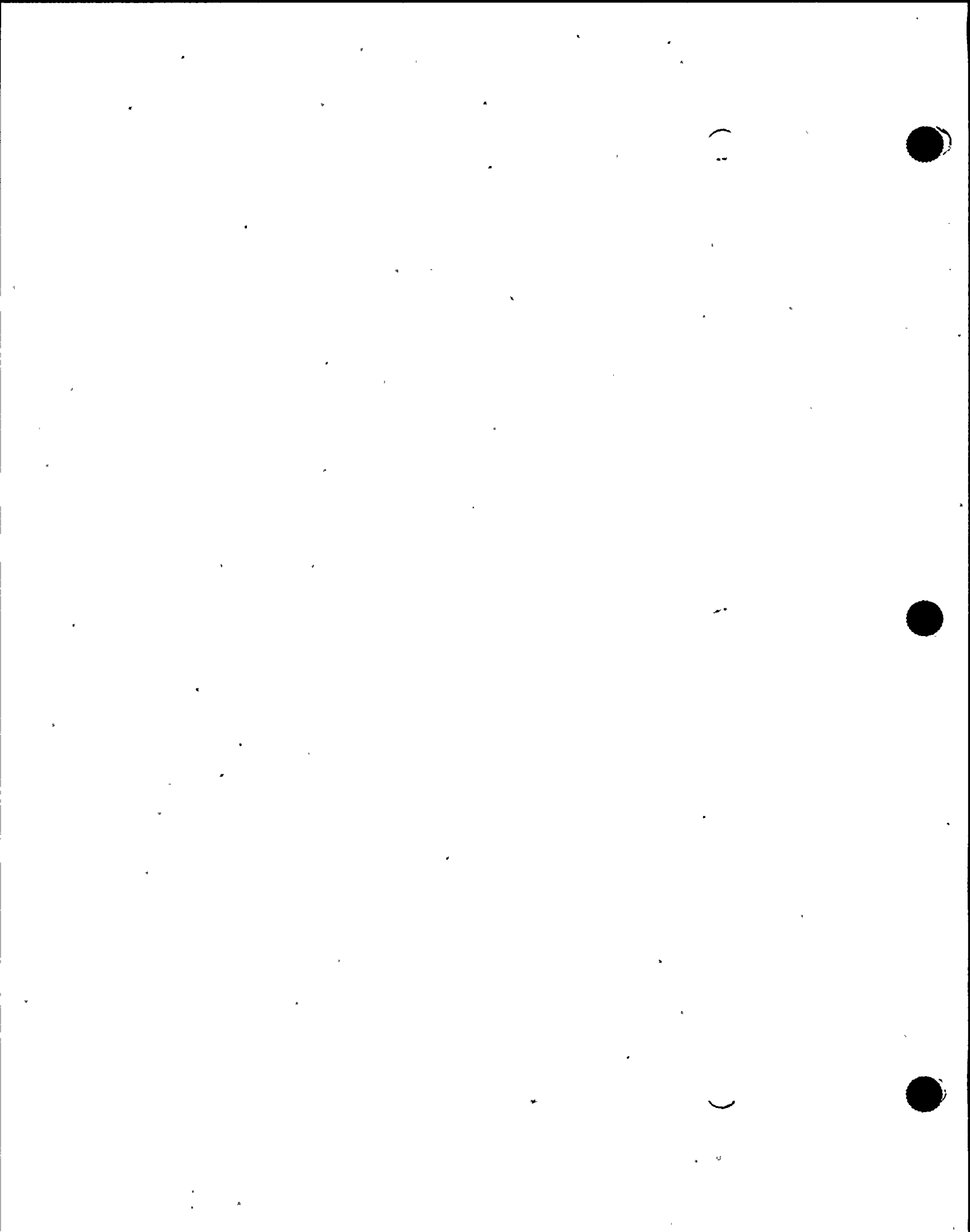
**NOTE:** The following Cycle 4 NIS-2 Forms were not included in the Cycle 4 ISI Summary Report. Therefore, they have been included in this report for your review.





## ***CYCLE 4 NIS-2 FORMS***

<b><i>WR/JO NUMBER</i></b>	<b><i>TAG</i></b>	<b><i>ESR NUMBER</i></b>	<b><i>ASME CODE CLASS</i></b>	<b><i>REPAIR OR REPLACEMENT</i></b>
92-ACHT2	1MS-43	CYCLE 4	2	Replacement
92-AIKN1	1RC-125	CYCLE 4	1	Replacement
88-AEFM1	1SG-E001	CYCLE 4	2	Replacement
97-AEML1	1FP-347	CYCLE 4	2	Replacement



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 01-26-98  
Name  
P.O. Box 1551, Raleigh, N. C. 27602-1551 Sheet 1 of 2  
Address
2. Plant Shearon Harris Nuclear Power Plant Unit 1  
Name  
P.O. Box 165, New Hill, N. C. 27562-0165 WR/JO 92-ACHT2  
Address Repair Organization P.O. No., Job No., etc.
3. Work Performed by Carolina Power & Light Company Type Code Symbol Stamp N/A  
Name  
P.O. Box 165 New Hill, N.C. 27562-0165 Authorization No. N/A  
Address Expiration Date N/A
4. Identification of System: 3020 - MAIN STEAM SYSTEM ASME III, CLASS 2
5. (a) Applicable Construction Code ASME Sect. III 19 74 Edition, WINTER 1976 Addenda, N/A Code Case  
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 83, Addenda SUMMER 1983

6. Identification of Components Repaired and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
VALVE	CROSBY	N57374-00-0001	829	N/A	1980	REPLACED	YES
VALVE	CROSBY	N57374-00-0010	838	N/A	1980	REPLACEMENT	YES
NUT	TEXAS BOLT CO.	N/A	N/A	TR# OX56	1985	REPLACEMENT	NO
THRD ROD	TEXAS BOLT CO.	N/A	N/A	HT# 8877926	1985	REPLACEMENT	NO

7. Description of Work: REPLACED VALVE SN# N57374-00-0001 NB# 829 WITH NEW VALVE SN# N57374-00-0010 NB# 838

8. Tests Conducted: Hydrostatic  Pneumatic  Nominal Operating Pressure   
Other  Pressure 960 psi Test Temp. NOMINAL °F

9. Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8½ in. x 11 in., (2) information in items 1 through 6 on this report is included on each sheet, and (3) each sheet is numbered and the number of sheets is recorded at the top of this form.

FORM NTS-2 (Back)

Remarks: REPLACED VALVE SN# N57374-00-0001 NB# 829 WITH NEW VALVE SN# N57374-00-0010 NB# 838. VALVE # 1MS-43 (2MS-R1SA).  
Applicable Manufacturer's Date Reports to be attached

ALSO REPLACED 2 NUTS AND THRD ROD LISTED ABOVE. CR 98-00485 WRITTEN TO DOCUMENT THIS NIS2 NOT INCLUDED IN CYCLE 4

SUMMARY REPORT.

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp N/A

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

Signed Cheryl Brown Inspection & Test Supervisor Date Feb 13, 19 98  
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of North Carolina and employed by Hartford Steam Boiler Inspection and Insurance Company of One State Street, Hartford Connecticut 06102 have inspected the components described in this Owner's Report during the period 09-14-92 to 10-16-92, 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.

EB Doughty Commissions NC 1042  
Inspector's Signature National Board, State, Province, and Endorsements

Date Feb 16 19 98

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 01-23-98  
Name  
P.O. Box 1551, Raleigh, N. C. 27602-1551 Sheet 1 of 2  
Address
2. Plant Shearon Harris Nuclear Power Plant Unit 1  
Name  
P.O. Box 165, New Hill, N. C. 27562-0165 WR/JO 92-AIKH1  
Address Repair Organization P.O. No., Job No., etc.
3. Work Performed by Carolina Power & Light Company Type Code Symbol Stamp N/A  
Name  
P.O. Box 165 New Hill, N.C. 27562-0165 Authorization No. N/A  
Address Expiration Date N/A
4. Identification of System: 2050 - PRESSURIZER ASME III, CLASS 1
5. (a) Applicable Construction Code ASME Sect. III 19 74 Edition, WINTER 1976 Addenda, N/A Code Case  
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 83, Addenda SUMMER 1983

6. Identification of Components Repaired and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
VALVE	CROSBY	N56964-00-0045	208	N/A	1976	REPLACED	YES
VALVE	CROSBY	N56964-00-0050	222	N/A	1976	REPLACEMENT	YES
INLET STUDS (5)	CROSBY	N/A	N/A	HEAT# 6L9968 HEAT CODE AOY	1991	REPLACEMENT	NO
INLET STUD (1)	CROSBY	N/A	N/A	HEAT# 21719	1986	REPLACEMENT	NO

7. Description of Work: REPLACED VALVE NB# 208 WITH NEW VALVE NB# 222 ALSO REPLACED 6 STUDS TOTAL AS LISTED ABOVE.

8. Tests Conducted: Hydrostatic  Pneumatic  Nominal Operating Pressure   
Other  Pressure 2235 psi Test Temp. 557 °F

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8½ in. x 11 in., (2) information in items 1 through 6 on this report is included on each sheet, and (3) each sheet is numbered and the number of sheets is recorded at the top of this form.

FORM NIS-2 (Back)

9. Remarks: REPLACED VALVE NB# 208 WITH NEW VALVE NB# 222. VALVE 1RC-125 (1RC-R529SN). ALSO REPLACED 6 INLET STUDS PO# 660450  
Applicable Manufacturer's Date Reports to be attached  
AND PO# 6A3315. CR 98-00485 WRITTEN TO DOCUMENT THIS NIS2 NOT INCLUDED IN CYCLE 4 SUMMARY REPORT.

CERTIFICATE 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 Cheryl Brown Inspection & Test Supervisor Date Feb 13, 1998  
Owner of Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, hold a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of North Carolina and employed by Hartford Steam Boiler Inspection and Insurance Company of One State Street, Hartford Connecticut 06102 have inspected the components described in this Owner's Report during the period 09-13-92 to 11-16-92, 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.

EB Dwyer Commissions NC 1042  
Inspector's Signature National Board, State, Province, and Endorsements  
Date FEB 16, 1998

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

1. Owner Carolina Power & Light Company Name Date 02-09-98  
P.O. Box 1551, Raleigh, N. C. 27602-1551 Address Sheet 1 of 2
2. Plant Shearon Harris Nuclear Power Plant Name Unit 1  
P.O. Box 165, New Hill, N. C. 27562-0165 Address WR/JO 88-AEFM1  
Repair Organization P.O. No., Job No., etc.
3. Work Performed by Carolina Power & Light Company Name Type Code Symbol Stamp N/A  
P.O. Box 165 New Hill, N.C. 27562-0165 Address Authorization No. N/A  
Expiration Date N/A
4. Identification of System: 3005 - STEAM GENERATOR ASME III, CLASS 2
5. (a) Applicable Construction Code ASME Sect. III 19 74 Edition, WINTER 1976 Addenda, N/A Code Case  
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 83, Addenda SUMMER 1983

6. Identification of Components Repaired and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
CAP SCREW	WESTINGHOUSE	N/A	N/A	HEAT# 6501	1974	REPLACEMENT	NO

7. Description of Work: REPLACED 1 CAP SCREW IN SECONDARY MANWAY OF STEAM GENERATOR 1A-SH. 1SG-E001

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

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8½ in. x 11 in., (2) information in items 1 through 6 on this report is included on each sheet, and (3) each sheet is numbered and the number of sheets is recorded at the top of this form.

FORM NIS-2 (Back)

9. Remarks: NO PRESSURE TEST REQUIRED PER CODE INTERPRETATION XI-1-95-52 VOL. 41 AND XI-1-95-48 VOL. 40.  
Applicable Manufacturer's Date Reports to be attached

CR 98-00485 WRITTEN TO DOCUMENT THIS NIS2 NOT INCLUDED IN THE CYCLE 4 SUMMARY REPORT.

CERTIFICATE 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 Cheryl Brown Inspection & Test Supervisor Date Feb 13, 19 98  
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of North Carolina and employed by Hartford Steam Boiler Inspection and Insurance Company of One State Street, Hartford Connecticut 06102 have inspected the components described in this Owner's Report during the period 08-08-88 to 08-10-88, 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.

EB Inspector's Signature Commissions NC 1042  
National Board, State, Province, and Endorsements

Date Feb 16 19 98



FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS

As Required by the Provisions of the ASME Code Section XI

1. Owner Carolina Power & Light Company Name Date 1-16-98

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

2. Plant Shearon Harris Nuclear Power Plant Name Unit 1

P.O. Box 165, New Hill, N. C. 27562-0165 Address WR/JO 97-AEML1  
Repair Organization P.O. No., Job No., etc.

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

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

Expiration Date N/A

4. Identification of System: - 6175 - FIRE PROTECTION SYSTEM ASME III, CLASS 2

5. (a) Applicable Construction Code ASME Sect. III 19 76 Edition, WINTER 1976 Addenda, N/A Code Case

(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 83, Addenda SUMMER 1983

6. Identification of Components Repaired and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
THRD ROD (1)FT.	DUBOSE NATIONAL ENERGY	N/A	N/A	HT # 70202 HEAT CODE - NAM	1995	REPLACEMENT	NO
(2) NUTS	BOWMAN DISTRIBUTION	N/A	N/A	CPL# 726-148-60 PO# 7N7609	1994	REPLACEMENT	NO

7. Description of Work: REPLACED (1) FT THRD ROD, AND (2) NUTS IN VALVE FLANGE ON 1FP-347 (2FP-B1SA)

8. Tests Conducted: Hydrostatic  Pneumatic  Nominal Operating Pressure   
Other  Pressure N/A psi Test Temp. N/A F

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 82 in. x 11 in., (2) information in items 1 through 6 on this report is included on each sheet, and (3) each sheet is numbered and the number of sheets is recorded at the top of this form.

FORM NIS-2 (Back)

9. Remarks: PRESSURE TEST NOT REQUIRED PER INTERPRETATION XI-1-95-48 VOL. 40 AND XI-1-95-52 VOL.41  
Applicable Manufacturer's Data Reports to be attached

REFERENCE CR 97-3652 FOR USING ASTM NUTS IN A CODE CLASS 2 SYSTEM.

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp N/A

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

Signed Cheryl Brown Inspection & Test Supervisor Date Feb 4, 19 98  
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of North Carolina and employed by Hartford Steam Boiler Inspection and Insurance Company of One State Street, Hartford Connecticut 06102 have inspected the components described

in this Owner's Report during the period 05-06-97 to 11-10-97, 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.

Edgar B. Doughty Commissions NC 1042  
Inspector's Signature National Board, State, Province, and Endorsements

Date Feb 5 19 98

**CYCLE 8**

**CLASS 1  
NIS-2 FORMS**

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2

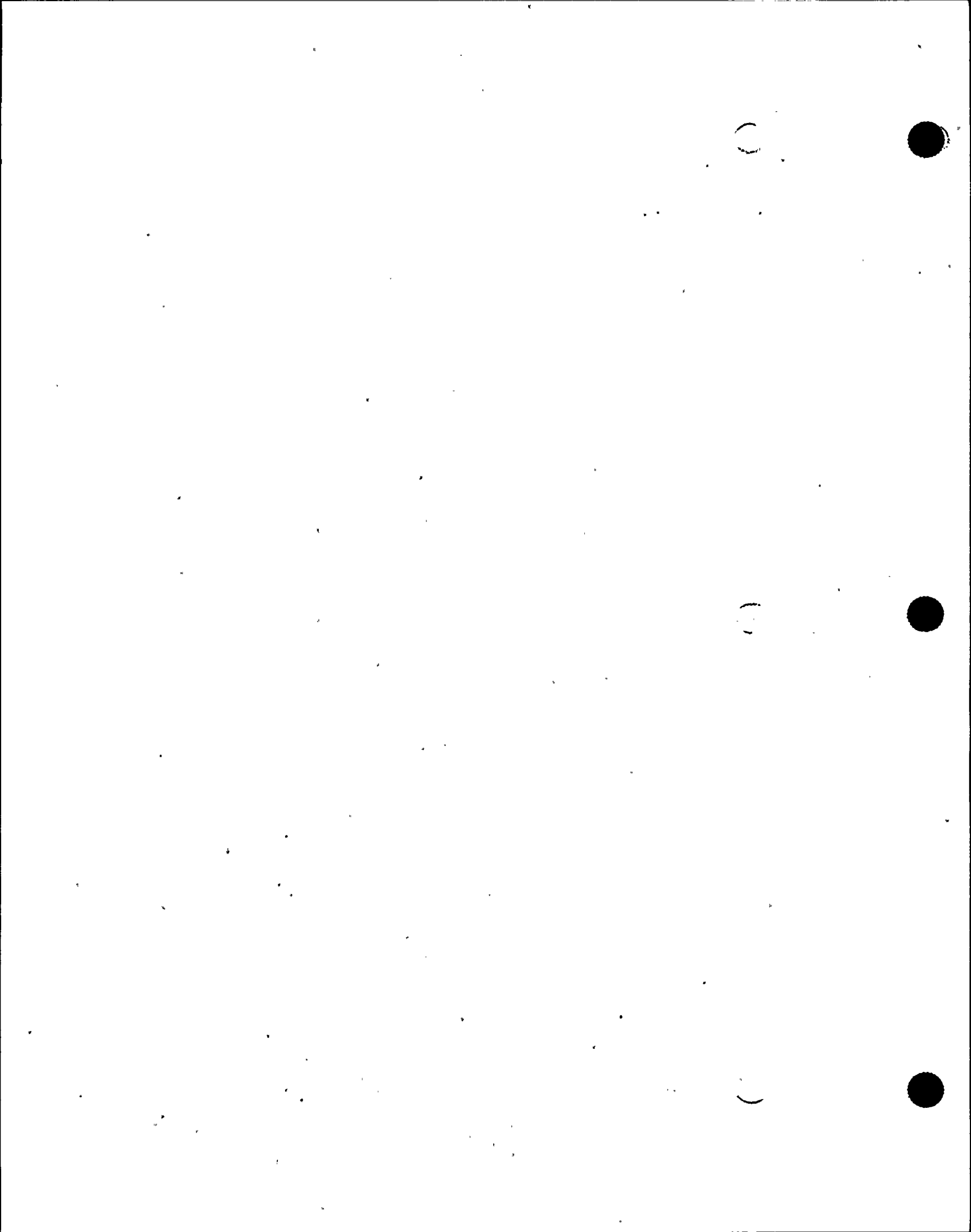


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## *CYCLE 8 CLASS 1 NIS-2 FORMS*

<u>WR/JO NUMBER</u>	<u>TAG</u>	<u>ESR NUMBER</u>	<u>ASME CODE CLASS</u>	<u>REPAIR OR REPLACEMENT</u>
97-AFUN1	1SI-252	N/A	1	Replacement
97-AHJG1	RC-H-220	N/A	1	Replacement
97-AHJI1	RC-H-75A	N/A	1	Replacement
97-AHJM1	SI-H-119A	N/A	1	Replacement
97-AHJP1	SI-H-321	N/A	1	Replacement
97-AJLY1	1SG-E001	N/A	1	Replacement
97-AJQZ1	1CS-497	97-00676	1	Repair
97-ALLX1	1RC-123	N/A	1	Replacement
98-AHAY4	1RC-E001:008	N/A	1	Repair
98-AHEK1	1CS-497	N/A	1	Repair
98-AHGA2	1CS-486	N/A	1	Repair
98-AHSI1	1SG-E002	N/A	1	Replacement



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 12-15-98  
Name  
P.O. Box 1551, Raleigh, N. C. 27602-1551 Address Sheet 1 of 2
2. Plant Shearon Harris Nuclear Power Plant Unit 1  
Name  
P.O. Box 165, New Hill, N. C. 27562-0165 Address  
WR/JO 97-AFUN1  
Repair Organization P.O. No., Job No., etc.
3. Work Performed by Carolina Power & light Company Type Code Symbol Stamp N/A  
Name  
P.O. Box 165 New Hill, N.C. 27562-0165 Address  
Authorization No. N/A  
Expiration Date N/A
4. Identification of System: SAFETY INJECTION ASME III, CLASS 1
5. (a) Applicable Construction Code ASME Sect. III 19 74 Edition, WINTER 1976 Addenda, N/A Code Case  
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 89, Addenda NO
6. Identification of Components Repaired 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)
DISK FOR VALVE 1SI-V548SB-1	SANDMEYER STL CO.	6042 (SEE REMARK 2)	W19817 (OF MAIN VALVE)	SEE REMARKS	N/A	REPLACED	NO
DISK FOR VALVE 1SI-V548SB-1	SANDMEYER STL CO.	6049	W22709 (OF MAIN VALVE)	HT # 636065, CPL # 731-778-42 PO# 166138	N/A	REPLACEMENT	NO

7. Description of Work: VALVE 1SI-V548SB-1 (1SI-252) DISK RELACEMENT

8. Tests Conducted: Hydrostatic  Pneumatic  Nominal Operating Pressure   
Other  Pressure \_\_\_\_\_ psi Test Temp. \_\_\_\_\_ of  
SEE REMARKS....

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8½ in. x 11 in., (2) information in items 1 through 6 on this report is included on each sheet, and (3) each sheet is numbered and the number of sheets is recorded at the top of this form.

FORM NIS-2 (Back)

9. Remarks: PRESSURE TEST NOT REQUIRED PER CODE INTERPRETATION XI-1-95-48 FOR THE REPLACEMENT OF PRESSURE BOUNDARY PARTS.  
Applicable Manufacturer's Date Reports to be attached

1. NEW DISK IS FROM SPARE VALVE SN 12001CS8800002000S740010 NB# W22709. 2. THE DISK IN VALVE 1SI-V548SB-1 HAS BEEN PREVIOUSLY  
REPLACED REFERENCE 95-ALKP1 R/R # NYS-SI-V548SB-01.

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp N/A

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

Signed Mark A. P... Inspection & Test Supervisor Date 1/06, 19 99  
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of North Carolina and employed by Hartford Steam Boiler Inspection and Insurance Company of One State Street, Hartford Connecticut 06102 have inspected the components described in this Owner's Report during the period 11-04-98 to 11-12-98, 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,

EB Dwyer Commissions NC 1042  
Inspector's Signature National Board, State, Province, and Endorsements

Date JAN 7 19 99



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 11-02-98  
Name  
P.O. Box 1551, Raleigh, N. C. 27602-1551 Sheet 1 of 2  
Address
2. Plant Shearon Harris Nuclear Power Plant Unit 1  
Name  
P.O. Box 165, New Hill, N. C. 27562-0165 WR/JO 97-AHJG1  
Address Repair Organization P.O. No., Job No., etc.
3. Work Performed by Carolina Power & Light Company Type Code Symbol Stamp N/A  
Name  
P.O. Box 165 New Hill, N.C. 27562-0165 Authorization No. N/A  
Address Expiration Date N/A
4. Identification of System: 2005-Reactor Coolant System ASME III, CLASS 1
5. (a) Applicable Construction Code ASME Sect. III 19 74 Edition, WINTER 1976 Addenda, N/A Code Case  
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 89, Addenda NO
6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
Snubber	Pacific Scientific	S/N 9022	N/A	RC-H-220	1979	Replaced	No
Snubber	Pacific Scientific	S/N 8731	N/A	RC-H-220	1979	Replacement	No

7. Description of Work: Replaced Snubber S/N 9022 with Snubber S/N 8731 on hanger RC-H-220

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

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8½ in. x 11 in., (2) information in items 1 through 6 on this report is included on each sheet, and (3) each sheet is numbered and the number of sheets is recorded at the top of this form.

FORM NIS-2 (Back)

9. Remarks: Applicable records are maintained in the plant vault and turnover package.  
Applicable Manufacturer's Date Reports to be attached

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp N/A

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

Signed Mark A. Papp Inspection & Test Supervisor Date 12-11, 19 98  
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of North Carolina and employed by Hartford Steam Boiler Inspection and Insurance Company of One State Street, Hartford Connecticut 06102 have inspected the components described in this Owner's Report during the period 10-29-98 to 10-30-98, 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,

EB Dault Commissions NC 1042  
Inspector's Signature National Board, State, Province, and Endorsements

Date Dec 17 19 98

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 11/9/98  
Name  
P.O. Box 1551, Raleigh, N. C. 27602-1551 Sheet 1 of 2  
Address

2. Plant Shearon Harris Nuclear Power Plant Unit 1  
Name  
P.O. Box 165, New Hill, N. C. 27562-0165 WR/JO 97-AHJ11  
Address Repair Organization P.O. No., Job No., etc.

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

4. Identification of System: 2005-Reactor Coolant System ASME III, CLASS 1

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

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
Snubber	Pacific Scientific	S/N 17511	N/A	RC-H-75A	1981	Replaced	No
Snubber	Pacific Scientific	S/N 26485	N/A	RC-H-75A	1983	Replacement	No

7. Description of Work: Replaced Snubber S/N 17511 with Snubber S/N 26485 on hanger RC-H-75A.

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

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8½ in. x 11 in., (2) information in items 1 through 6 on this report is included on each sheet, and (3) each sheet is numbered and the number of sheets is recorded at the top of this form.

FORM NIS-2 (Back)

9. Remarks: Applicable records are maintained in the plant vault and turnover package.  
Applicable Manufacturer's Date Reports to be attached

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp N/A

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

Signed Mick a Payne Inspection & Test Supervisor Date 12-11, 19 98  
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of North Carolina and employed by Hartford Steam Boiler Inspection and Insurance Company of One State Street, Hartford Connecticut 06102 have inspected the components described in this Owner's Report during the period 11-02-98 to 11-04-98, 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.

EB Payne Commissions NC 1042  
Inspector's Signature National Board, State, Province, and Endorsements

Date Dec 17 19 98

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 11/9/98  
Name  
P.O. Box 1551, Raleigh, N. C. 27602-1551 Sheet 1 of 2  
Address
2. Plant Shearon Harris Nuclear Power Plant Unit 1  
Name  
P.O. Box 165, New Hill, N. C. 27562-0165 WR/JO 97-AHJM1  
Address Repair Organization P.O. No., Job No., etc.
3. Work Performed by Carolina Power & Light Company Type Code Symbol Stamp N/A  
Name  
P.O. Box 165 New Hill, N.C. 27562-0165 Authorization No. N/A  
Address Expiration Date N/A
4. Identification of System: 2090-Passive Safety Injection System ASME III, CLASS 1
5. (a) Applicable Construction Code ASME Sect. III 19 74 Edition, WINTER 1976 Addenda, N/A Code Case  
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 89, Addenda NO
6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
Snubber	Pacific Scientific	S/N 8583	N/A	SI-H-119A	1981	Replaced	No
Snubber	Pacific Scientific	S/N 5202	N/A	SI-H-119A	1980	Replacement	No

7. Description of Work: Replaced Snubber S/N 8583 with Snubber S/N 5202 on hanger SI-H-119A.

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

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8½ in. x 11 in., (2) information in items 1 through 6 on this report is included on each sheet, and (3) each sheet is numbered and the number of sheets is recorded at the top of this form.

FORM NIS-2 (Back)

9. Remarks: Applicable records are maintained in the plant vault and turnover package.  
Applicable Manufacturer's Date Reports to be attached

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CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp N/A

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

Signed Mark A. [Signature] Inspection & Test Supervisor Date 12-11, 19 98  
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of North Carolina and employed by Hartford Steam Boiler Inspection and Insurance Company of One State Street, Hartford Connecticut 06102 have inspected the components described in this Owner's Report during the period 11-03-98 to 11-05-98, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

[Signature] Commissions NC 1042  
Inspector's Signature National Board, State, Province, and Endorsements

Date Dec 17 19 98

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 12/15/98  
Name  
P.O. Box 1551, Raleigh, N. C. 27602-1551 Sheet 1 of 2  
Address
2. Plant Shearon Harris Nuclear Power Plant Unit 1  
Name  
P.O. Box 165, New Hill, N. C. 27562-0165 WR/JO 97-AHJP1  
Address Repair Organization P.O. No., Job No., etc.
3. Work Performed by Carolina Power & light Company Type Code Symbol Stamp N/A  
Name  
P.O. Box 165 New Hill, N.C. 27562-0165 Authorization No. N/A  
Address Expiration Date N/A
4. Identification of System: 2080-High Head Safety Injection System ASME III, CLASS 1
5. (a) Applicable Construction Code ASME Sect. III 19 74 Edition, WINTER 1976 Addenda, N/A Code Case  
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 89, Addenda NO

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
Snubber	Pacific Scientific	S/N 15633	N/A	SI-H-321	1981	Replaced	No
Snubber	Pacific Scientific	S/N 8630	N/A	SI-H-321	1979	Replacement	No

7. Description of Work: Replaced Snubber S/N 15633 with Snubber S/N 8630 on hanger SI-H-321.

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

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8½ in. x 11 in., (2) information in items 1 through 6 on this report is included on each sheet, and (3) each sheet is numbered and the number of sheets is recorded at the top of this form.

FORM NIS-2 (Back)

9. Remarks: Applicable records are stored in the plant vault and turnover package.  
Applicable Manufacturer's Date Reports to be attached

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CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp N/A

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

Signed Mark a Pagn Inspection & Test Supervisor Date 12/29, 19 98  
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of North Carolina and employed by Hartford Steam Boiler Inspection and Insurance Company of One State Street, Hartford Connecticut 06102 have inspected the components described in this Owner's Report during the period 11-2-98 to 11-11-98, 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.

ER Dayte Commissions NC 1042  
Inspector's Signature National Board, State, Province, and Endorsements

Date Jan 4 19 99



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 12-15-98  
Name  
P.O. Box 1551, Raleigh, N. C. 27602-1551 Address Sheet 1 of 2
2. Plant Shearon Harris Nuclear Power Plant Unit 1  
Name  
P.O. Box 165, New Hill, N. C. 27562-0165 Address WR/JO 97-AJLY1  
Repair Organization P.O. No., Job No., etc.
3. Work Performed by Carolina Power & Light Company Type Code Symbol Stamp N/A  
Name  
P.O. Box 165 New Hill, N.C. 27562-0165 Address Authorization No. N/A  
Expiration Date N/A
4. Identification of System: STEAM GENERATOR 1A ASME III, CLASS 1
5. (a) Applicable Construction Code ASME Sect. III 19 74 Edition, WINTER 1976 Addenda, N/A Code Case  
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 89, Addenda NO

6. Identification of Components Repaired 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)
MANWAY STUD 8 STM GEN 1A	T&T ENTERPRISES	TB10	N/A	HT # B47018, CP&L # 731-556-32 PO# 1H2885	N/A	REPLACEMENT	NO

7. Description of Work: REPLACED STEAM GENERATOR 1A PRIMARY MANWAY STUD # 8

8. Tests Conducted: Hydrostatic  Pneumatic  Nominal Operating Pressure   
Other  Pressure \_\_\_\_\_ psi Test Temp. \_\_\_\_\_ °F  
SEE REMARKS....

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8½ in. x 11 in., (2) information in items 1 through 6 on this report is included on each sheet, and (3) each sheet is numbered and the number of sheets is recorded at the top of this form.

FORM NIS-2 (Back)

9. Remarks: PRESSURE TEST NOT REQUIRED PER CODE INTERPRETATION XI-1-95-52 FOR THE REPLACEMENT OF PRESSURE BOUNDARY BOLTING.  
Applicable Manufacturer's Date Reports to be attached

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp N/A

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

Signed Mark A. Papp Inspection & Test Supervisor Date 1/06, 19 99  
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of North Carolina and employed by Hartford Steam Boiler Inspection and Insurance Company of One State Street, Hartford Connecticut 06102 have inspected the components described in this Owner's Report during the period 11-01-98 to 11-18-98, 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,

EB Dwyer Commissions NC 1042  
Inspector's Signature National Board, State, Province, and Endorsements

Date JAN 7 19 99

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 1-08-98  
Name  
P.O. Box 1551, Raleigh, N. C. 27602-1551 Sheet 1 of 2  
Address
2. Plant Shearon Harris Nuclear Power Plant Unit 1  
Name  
P.O. Box 165, New Hill, N. C. 27562-0165 WR/JO 97-AJQ21  
Address Repair Organization P.O. No., Job No., etc.
3. Work Performed by Carolina Power & Light Company Type Code Symbol Stamp N/A  
Name  
P.O. Box 165 New Hill, N.C. 27562-0165 Authorization No. N/A  
Address Expiration Date N/A
4. Identification of System: 2060 - CHEMICAL AND VOLUME CONTROL SYSTEM ASME III, CLASS 1
5. (a) Applicable Construction Code ASME Sect. III 19 74 Edition, WINTER 1976 Addenda, N/A Code Case  
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 83, Addenda SUMMER 1983

6. Identification of Components Repaired and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
VALVE	WESTINGHOUSE	03001CS88000 02000S740002	W18337	N/A	1978	REPAIRED	YES
SEAL CAP	ASTRO NUCLEAR DYNAMICS INC.	A-0147	N/A	HT # 24660	1997	REPLACEMENT	NO

7. Description of Work: VALVE LISTED ABOVE WITH NB # W18337 WAS REPAIRED BY INSTALLING SEAL CAP SN # A-0147 AND WELDING.

8. Tests Conducted: Hydrostatic  Pneumatic  Nominal Operating Pressure   
Other  Pressure 2231 psi Test Temp. 540 °F

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8½ in. x 11 in., (2) information in items 1 through 6 on this report is included on each sheet, and (3) each sheet is numbered and the number of sheets is recorded at the top of this form.

FORM NIS-2 (Back)

9. Remarks: VALVE NB # W18337 WAS REPAIRED BY INSTALLING SEAL CAP SN # A-0147 ONTO VALVE AND WELDING. VALVE # 1CS-497 (1CS-V504SN)  
Applicable Manufacturer's Date Reports to be attached

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp N/A

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

Signed Cheryl Brown Inspection & Test Supervisor Date JAN 14, 1998  
Owner of Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of North Carolina and employed by Hartford Steam Boiler Inspection and Insurance Company of One State Street, Hartford Connecticut 06102 have inspected the components described in this Owner's Report during the period 08-30-97 to 11-04-97, 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,

Edgar B. Dept Commissions NC 1042  
Inspector's Signature National Board, State, Province, and Endorsements

Date JAN 30 1998

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 02-04-99  
Name  
P.O. Box 1551, Raleigh, N. C. 27602-1551 Sheet 1 of 2  
Address
2. Plant Shearon Harris Nuclear Power Plant Unit 1  
Name  
P.O. Box 165, New Hill, N. C. 27562-0165 WR/JO 97-ALLX1  
Address Repair Organization P.O. No., Job No., etc.
3. Work Performed by Carolina Power & light Company Type Code Symbol Stamp N/A  
Name Authorization No. N/A  
P.O. Box 165 New Hill, N.C. 27562-0165 Expiration Date N/A  
Address
4. Identification of System: 2050 - PRESSURIZER ASME III, CLASS 1
5. (a) Applicable Construction Code ASME Sect. III 19 74 Edition, WINTER 1976 Addenda, N/A Code Case  
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 89, Addenda NO

6. Identification of Components Repaired 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 1RC-123	CROSBY VALVE & GAGE COMPANY	N56964-00-0046	207	N/A	1976	REPLACED	YES
SAFETY VALVE 1RC-123	CROSBY VALVE & GAGE COMPANY	N56964-00-0052	224	N/A	1976	REPLACEMENT	YES

7. Description of Work: REPLACED PRESSURIZER RELIEF VALVE WITH REFURBISHED VALVE. VALVE TAG NUMBER 1RC-123 (1RC-R530SN-1)

8. Tests Conducted: Hydrostatic  Pneumatic  Nominal Operating Pressure   
 Other  Pressure 2250 psi Test Temp. 559 °F

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8½ in. x 11 in., (2) information in items 1 through 6 on this report is included on each sheet, and (3) each sheet is numbered and the number of sheets is recorded at the top of this form.

FORM NIS-2 (Back)

9. Remarks: PRESSURE TEST INCLUDED IN THE EST-227 PRESSURE TEST (CLASS 1 WALKDOWN).  
Applicable Manufacturer's Date Reports to be attached

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp N/A

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

Signed Mark A. Payne Inspection & Test Supervisor Date 2-8, 1999  
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of North Carolina and employed by Hartford Steam Boiler Inspection and Insurance Company of One State Street, Hartford Connecticut 06102 have inspected the components described in this Owner's Report during the period 10-27-98 to 01-07-99, 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.

SB Dwyer Commissions NC 1042  
Inspector's Signature National Board, State, Province, and Endorsements

Date FEB 8 1999

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 12/21/98  
Name  
P.O. Box 1551, Raleigh, N. C. 27602-1551 Address Sheet 1 of 2
2. Plant Shearon Harris Nuclear Power Plant Unit 1  
Name  
P.O. Box 165, New Hill, N. C. 27562-0165 Address WR/JO 98-AHAY4  
Repair Organization P.O. No., Job No., etc.
3. Work Performed by Carolina Power & Light Company Type Code Symbol Stamp N/A  
Name  
P.O. Box 165 New Hill, N.C. 27562-0165 Address Authorization No. N/A  
Expiration Date N/A
4. Identification of System: 1005-Reactor Vessel and Internals System ASME III, CLASS 1
5. (a) Applicable Construction Code ASME Sect. III 1974 Edition, WINTER 1976 Addenda, N/A Code Case  
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 89, Addenda NO
6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
Existing Canopy Seal	Welding Svcs. Inc.	CRDM Pen.#18	N/A	Ht.XN7096& WMDC #36203& #36204	1998	Repaired	No

7. Description of Work: Repaired by weld overlay, the canopy seal weld at CRDM pen.#18.

8. Tests Conducted: Hydrostatic  Pneumatic  Nominal Operating Pressure   
Other  Pressure 2250 psi Test Temp. 559 °F

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8½ in. x 11 in., (2) information in items 1 through 6 on this report is included on each sheet, and (3) each sheet is numbered and the number of sheets is recorded at the top of this form.

FORM NIS-2 (Back)

9. Remarks: Applicable records are maintained in the plant vault and turnover package.  
Applicable Manufacturer's Date Reports to be attached  
(1)Ref. Code Case N416-1 (2)Ref. Relief Request 2R1012

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp N/A

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

Signed Mark A. Day Inspection & Test Supervisor Date 1-14, 19 99  
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of North Carolina and employed by Hartford Steam Boiler Inspection and Insurance Company of One State Street, Hartford Connecticut 06102 have inspected the components described

in this Owner's Report during the period 11-5-98 to 11-30-98, 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.

EB Day Commissions NC 1042  
Inspector's Signature National Board, State, Province, and Endorsements

Date JAN 19 19 99



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 12-15-98  
Name  
P.O. Box 1551, Raleigh, N. C. 27602-1551 Sheet 1 of 2  
Address
2. Plant Shearon Harris Nuclear Power Plant Unit 1  
Name  
P.O. Box 165, New Hill, N. C. 27562-0165 WR/JO 98-AHEK1  
Address Repair Organization P.O. No., Job No., etc.
3. Work Performed by Carolina Power & Light Company Type Code Symbol Stamp N/A  
Name  
P.O. Box 165 New Hill, N.C. 27562-0165 Authorization No. N/A  
Address Expiration Date N/A
4. Identification of System: CHEMICAL AND VOLUME CONTROL ASME III, CLASS 1
5. (a) Applicable Construction Code ASME Sect. III 19 74 Edition, WINTER 1976 Addenda, N/A Code Case  
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 89, Addenda NO
6. Identification of Components Repaired 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 CAP TO BONNET WELD	N/A	N/A	N/A	FW-1, VALVE 1CS-497	N/A	REPAIRED (SEE REMARKS)	NO

7. Description of Work: REPAIRED INDICATIONS FOUND IN EXISTING BONNET TO CAP SEAL WELD BY WELDING. VALVE 1CS-497

8. Tests Conducted: Hydrostatic  Pneumatic  Nominal Operating Pressure   
Other  Pressure 2250 psi Test Temp. 559 °F

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8½ in. x 11 in., (2) information in items 1 through 6 on this report is included on each sheet, and (3) each sheet is numbered and the number of sheets is recorded at the top of this form.

FORM NIS-2 (Back)

9. Remarks: PRESSURE TEST NOT REQUIRED FOR PIPE HANGER DISASSEMBLY.  
Applicable Manufacturer's Date Reports to be attached

WELD MATERIAL USED FOR REPAIR: 3/32" E316 HT/LOT 0694D PO H13249

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp N/A

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

Signed Mark A. P... Inspection & Test Supervisor Date 1/06, 19 99  
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of North Carolina and employed by Hartford Steam Boiler Inspection and Insurance Company of One State Street, Hartford Connecticut 06102 have inspected the components described in this Owner's Report during the period 11-10-98 to 11-21-98, 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,

EB Daye Commissions NC 1042  
Inspector's Signature National Board, State, Province, and Endorsements

Date Jan 7 19 99

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 12-15-98  
Name  
P.O. Box 1551, Raleigh, N. C. 27602-1551 Sheet 1 of 2  
Address
2. Plant Shearon Harris Nuclear Power Plant Unit 1  
Name  
P.O. Box 165, New Hill, N. C. 27562-0165 WR/JO 98-AHGA2  
Address Repair Organization P.O. No., Job No., etc.
3. Work Performed by Carolina Power & light Company Type Code Symbol Stamp N/A  
Name  
P.O. Box 165 New Hill, N.C. 27562-0165 Authorization No. N/A  
Address Expiration Date N/A
4. Identification of System: CHEMICAL AND VOLUME CONTROL ASME III, CLASS 1
5. (a) Applicable Construction Code ASME Sect. III 19 74 Edition, WINTER 1976 Addenda, N/A Code Case  
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 89, Addenda NO
6. Identification of Components Repaired 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 CAP TO BONNET, WELD	N/A	N/A	N/A	FW-1, VALVE 1CS-486	N/A	REPAIRED (SEE REMARKS)	NO

7. Description of Work: REPAIRED INDICATIONS FOUND IN EXISTING BONNET TO CAP SEAL WELD BY WELDING. VALVE 1CS-486
8. Tests Conducted: Hydrostatic  Pneumatic  Nominal Operating Pressure   
Other  Pressure 2250 psi Test Temp. 559 °F

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8½ in. x 11 in., (2) information in items 1 through 6 on this report is included on each sheet, and (3) each sheet is numbered and the number of sheets is recorded at the top of this form.

FORM NIS-2 (Back)

9. Remarks: PRESSURE TEST NOT REQUIRED FOR PIPE HANGER DISASSEMBLY.  
Applicable Manufacturer's Date Reports to be attached

WELD MATERIAL USED FOR REPAIR: 3/32" E316 HT/LOT 0694D PO H13249

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp N/A

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

Signed Mark a [Signature] Inspection & Test Supervisor Date 1/06, 19 99  
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of North Carolina and employed by Hartford Steam Boiler Inspection and Insurance Company of One State Street, Hartford Connecticut 06102 have inspected the components described in this Owner's Report during the period 11-10-98 to 11-21-98, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

[Signature] Commissions NC 1042  
Inspector's Signature National Board, State, Province, and Endorsements

Date Jan 7 19 99

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 12-15-98  
Name  
P.O. Box 1551, Raleigh, N. C. 27602-1551 Sheet 1 of 2  
Address

2. Plant Shearon Harris Nuclear Power Plant Unit 1  
Name  
P.O. Box 165, New Hill, N. C. 27562-0165 WR/JO 98-AHS11  
Address Repair Organization P.O. No., Job No., etc.

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

4. Identification of System: STEAM GENERATOR 1B ASME III, CLASS 1

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

6. Identification of Components Repaired 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)
MANWAY STUD 7 STM GEN 1B	T&T ENTERPRISES	TB6	N/A	HT # B47018, CP&L # 731-556-32 PO# 1H2885	N/A	REPLACEMENT	NO

7. Description of Work: REPLACED STEAM GENERATOR 1B PRIMARY MANWAY STUD # 7

8. Tests Conducted: Hydrostatic  Pneumatic  Nominal Operating Pressure   
Other  Pressure \_\_\_\_\_ psi Test Temp. \_\_\_\_\_ °F  
SEE REMARKS....

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8½ in. x 11 in., (2) information in items 1 through 6 on this report is included on each sheet, and (3) each sheet is numbered and the number of sheets is recorded at the top of this form.

FORM NIS-2 (Back)

9. Remarks: PRESSURE TEST NOT REQUIRED PER CODE INTERPRETATION XI-1-95-52 FOR THE REPLACEMENT OF PRESSURE BOUNDARY BOLTING.  
Applicable Manufacturer's Date Reports to be attached

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp N/A

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

Signed Mark a Papp Inspection & Test Supervisor Date 1/06, 19 99  
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of North Carolina and employed by Hartford Steam Boiler Inspection and Insurance Company of One State Street, Hartford Connecticut 06102 have inspected the components described in this Owner's Report during the period 11-20-98 to 11-20-98, 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,

EB Doyle Commissions NC 1042  
Inspector's Signature National Board, State, Province, and Endorsements

Date JAN 7 19 99

**CYCLE 8**

**CLASS 2**  
**NIS-2 FORMS**

1



2



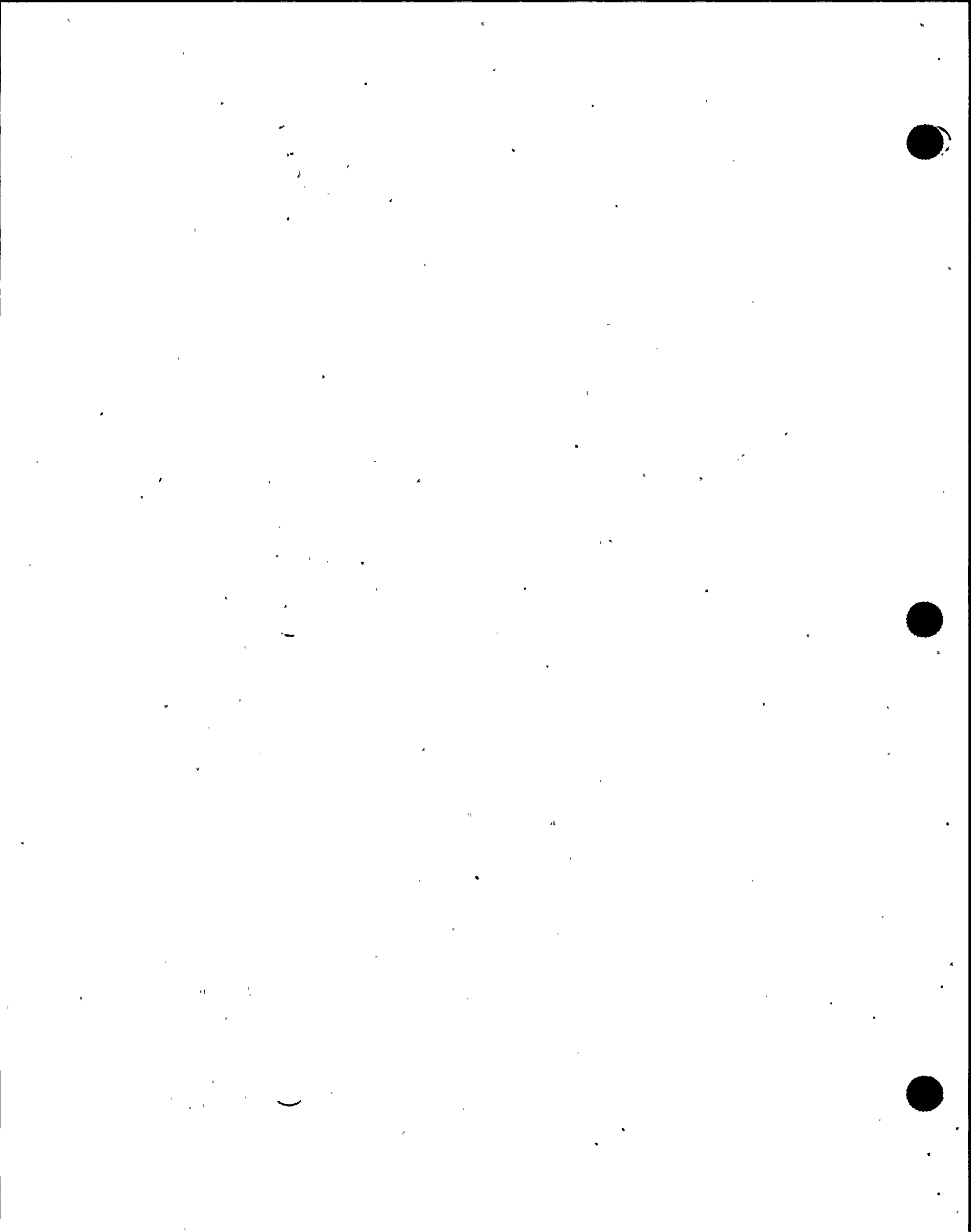
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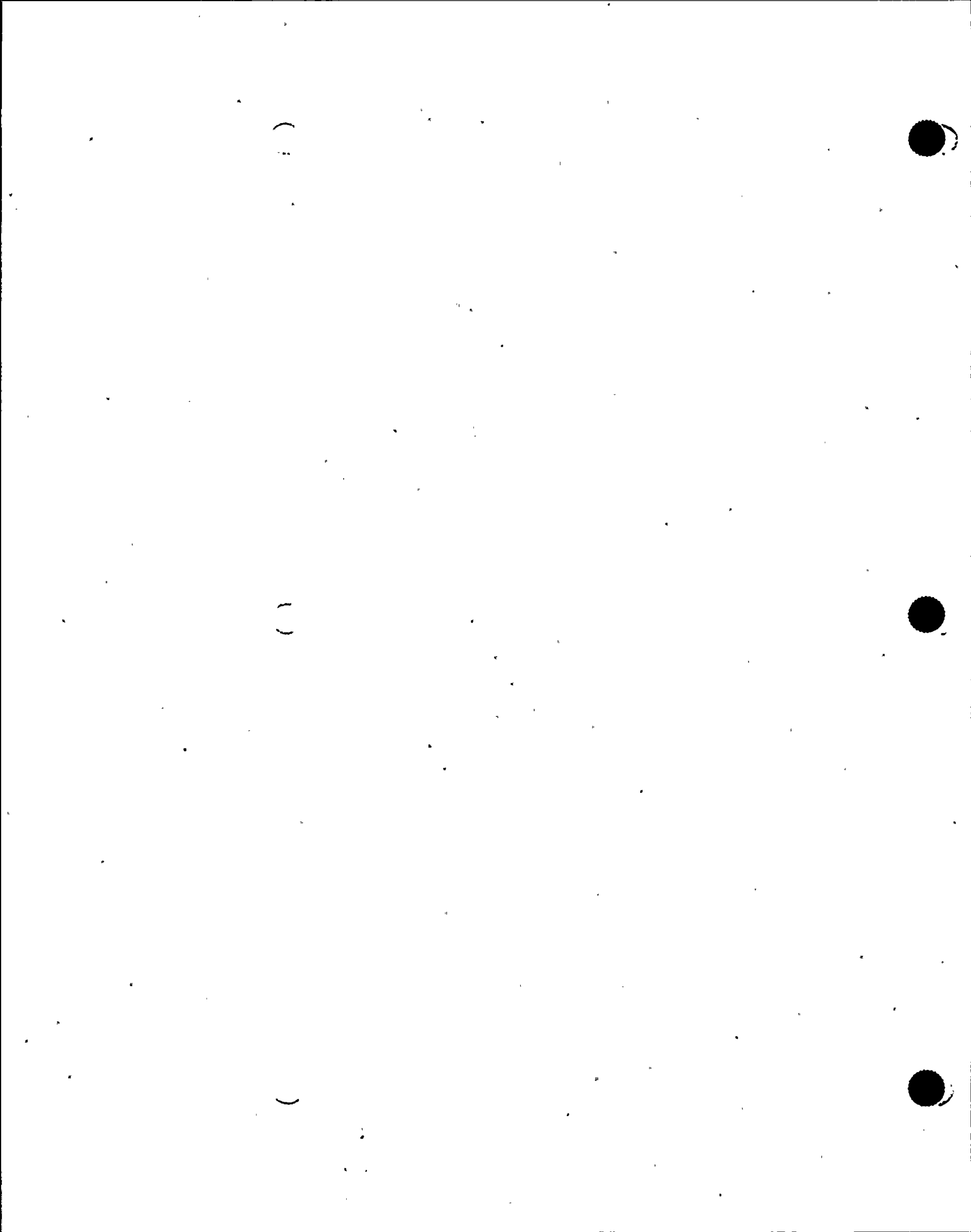
## CYCLE 8 CLASS 2 NIS-2 FORMS

<u>WRJO NUMBER</u>	<u>TAG</u>	<u>ESR NUMBER</u>	<u>ASME CODE CLASS</u>	<u>REPAIR OR REPLACEMENT</u>
96-AEXC1	1RH-26	N/A	2	Replacement
97-AAUR1	1CS-303	N/A	2	Replacement
97-ACBU1	1AV-AH9B:003	N/A	2	Replacement
97-AEML1	1FP-347	N/A	2	Replacement
97-AFHR1	1CS-480	N/A	2	Replacement
97-AFYP1	1CS-761	N/A	2	Replacement
97-AFZY3	1MS-85	N/A	2	Replacement
97-AGKD1	1CV-E002:006	N/A	2	Replacement
97-AHDQ3	SI-H-1076	N/A	2	Replacement
97-AHFX1	BD-H-351A	N/A	2	Replacement
97-AHGA1A	1-AF-1-02	96-00449	2	Replacement
97-AHGA1B	1-AF-2-02	96-00449	2	Replacement
97-AHGA1C	1-AF-3-01	96-00449	2	Replacement
97-AHGA2	AF-H-298	96-00449	2	Replacement
97-AHGA2	AF-H-309	96-00449	2	Replacement
97-AHGA3	AF-H-295	96-00449	2	Replacement
97-AHGA4	AF-H-365	96-00449	2	Replacement
97-AHGA5	AF-H-299	96-00449	2	Replacement
97-AHGB1	1-AF-14	N/A	2	Replacement



<i>WR/JO NUMBER</i>	<i>TAG</i>	<i>ESR NUMBER</i>	<i>ASME CODE CLASS</i>	<i>REPAIR OR REPLACEMENT</i>
97-AHGB1	1-AF-17-01	N/A	2	Replacement
97-AHGC1	BD-H-351B	N/A	2	Replacement
97-AHGD1	BD-H-353	N/A	2	Replacement
97-AHGE1	BD-H-424	N/A	2	Replacement
97-AHHB1	AF-H-314A	N/A	2	Replacement
97-AHHC1	AF-H-314B	N/A	2	Replacement
97-AHHG1	CS-H-168	N/A	2	Replacement
97-AHHH1	CS-H-659	N/A	2	Replacement
97-AHHI1	CS-H-41A	N/A	2	Replacement
97-AHHJ1	CS-H-41B	N/A	2	Replacement
97-AHIK1	AF-H-320A	N/A	2	Replacement
97-AHIL1	AF-H-363	N/A	2	Replacement
97-AHIR1	CS-H-427	N/A	2	Replacement
97-AHJA1	FW-H-118	N/A	2	Replacement
97-AHJB1	FW-H-208	N/A	2	Replacement
97-AHJC1	MS-H-26B	98-418	2	Replacement
97-AHJJ1	RH-H-176A	N/A	2	Replacement
97-AHJK1	SI-H-203A	N/A	2	Replacement
97-AHJL1	SI-H-203B	N/A	2	Replacement
97-AHJN1	SI-H-30B	N/A	2	Replacement
97-AHJQ1	SW-H-2005	N/A	2	Replacement

<i>WR/JO NUMBER</i>	<i>TAG</i>	<i>ESR NUMBER</i>	<i>ASME CODE CLASS</i>	<i>REPAIR OR REPLACEMENT</i>
97-AIIZ1	1MS-52	N/A	2	Replacement
97-AIJA1	1MS-54	N/A	2	Replacement
97-AIJB1	1MS-48	N/A	2	Replacement
97-AIZF1	1AF-158	N/A	2	Replacement
97-AIZG1	1FW-216	N/A	2	Replacement
97-AJIK6	1-FW-135	N/A	2	Repair
97-AJLB1	SI-H-10	N/A	2	Replacement
97-AJNB1	1SG-E002	N/A	2	Replacement
97-AJZW1	1AF-153	N/A	2	Repair
97-AKSY1	1AF-157	98-00456	2	Repair
98-ABFJ1	1BD-11	N/A	2	Replacement
98-ABFK1	1BD-30	N/A	2	Replacement
98-ABJJ1	1CS-487	N/A	2	Replacement
98-ABRF1	1MS-51	N/A	2	Replacement
98-ACMC1	1CS-261	N/A	2	Replacement
98-ACNW1	1CS-155	N/A	2	Replacement
98-ACNW3	CS-H-1394	N/A	2	Replacement
98-ACNX1	1CS-156	N/A	2	Replacement
98-ACNX3	CS-H-1395	N/A	2	Replacement
98-ACNY1	1CS-318	N/A	2	Replacement
98-ACPA1	1CS-321	N/A	2	Replacement



<i>WR/JO NUMBER</i>	<i>TAG</i>	<i>ESR NUMBER</i>	<i>ASME CODE CLASS</i>	<i>REPAIR OR REPLACEMENT</i>
98-ACPC1	1CS-140	N/A	2	Replacement
98-ACPD1	1CS-141	N/A	2	Replacement
98-ACPE1	1CS-142	N/A	2	Replacement
98-ACPF1	1CS-143	N/A	2	Replacement
98-ACPG1	1CS-144	N/A	2	Replacement
98-ACPI1	1CS-146	N/A	2	Replacement
98-ACTC1	1-AF-16-01	N/A	2	Replacement
98-ACTC2	AF-H-343	N/A	2	Replacement
98-ACTC3	1-FW-H-720	N/A	2	Replacement
98-ADAK1	1SG-E003	N/A	2	Replacement
98-ADIP1	1-BD-H-620	98-00031	2	Replacement
98-ADRC4	SI-H-897	N/A	2	Replacement
98-AFGT1	1CT-62	N/A	2	Replacement
98-AGWH1	CT-H-895	N/A	2	Replacement
98-AHAN3	SW-H-2362	N/A	2	Replacement
98-AHBK1	FW-H-721	N/A	2	Replacement
98-AHBR1	1AF-68	N/A	2	Replacement
98-AHIQ1	BD-H-70	N/A	2	Replacement
98-AHPI1	AF-H-296	N/A	2	Replacement
98-AHPI1	AF-H-299	N/A	2	Replacement
98-AHPI1	AF-H-300	N/A	2	Replacement

<i><b>WRJO NUMBER</b></i>	<i><b>TAG</b></i>	<i><b>ESR NUMBER</b></i>	<i><b>ASME CODE CLASS</b></i>	<i><b>REPAIR OR REPLACEMENT</b></i>
98-AHP11	AF-H-365	NA	2	Replacement

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 02-01-99  
Name  
P.O. Box 1551, Raleigh, N. C. 27602-1551 Sheet 1 of 2  
Address
2. Plant Shearon Harris Nuclear Power Plant Unit 1  
Name  
P.O. Box 165, New Hill, N. C. 27562-0165 WR/JO 96-AEXC1  
Address Repair Organization P.O. No., Job No., etc.
3. Work Performed by Carolina Power & Light Company Type Code Symbol Stamp N/A  
Name  
P.O. Box 165 New Hill, N.C. 27562-0165 Authorization No. N/A  
Address Expiration Date N/A
4. Identification of System: 2085 - LOW HEAD SAFETY INJECTION AND RHR SYSTEM ASME III, CLASS 2
5. (a) Applicable Construction Code ASME Sect. III 19 74 Edition, WINTER 1976 Addenda, N/A Code Case  
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 89, Addenda NO
6. Identification of Components Repaired and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
VALVE PLUG ASSEMBLY	KEROTEST MFG. CORP.	N/A	N/A	HT. CODE FAZ	1979	REPLACED	NO
VALVE PLUG ASSEMBLY	YARWAY	N/A	N/A	HT. CODE D-12	1984	REPLACEMENT	NO

7. Description of Work: REPLACED PLUG AND STEM ASSEMBLY IN VALVE TAG NUMBER 1RH-26.
8. Tests Conducted: Hydrostatic  Pneumatic  Nominal Operating Pressure   
Other  Pressure N/A psi Test Temp. N/A °F

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8½ in. x 11 in., (2) information in items 1 through 6 on this report is included on each sheet, and (3) each sheet is numbered and the number of sheets is recorded at the top of this form.



FORM NIS-2 (Back)

9. Remarks: PRESSURE TESTING NOT REQUIRED PER CODE INTERPRETATION XI-1-95-48 FOR THE REPLACEMENT OF INTERNAL PRESSURE BOUNDARY  
Applicable Manufacturer's Date Reports to be attached

PARTS.

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp N/A

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

Signed Minda A. Papp Inspection & Test Supervisor Date 2-4, 19 99  
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the  
State or Province of North Carolina and employed by Hartford Steam Boiler Inspection and Insurance Company of  
One State Street, Hartford Connecticut 06102 have inspected the components described  
in this Owner's Report during the period 11-03-98 to 11-24-98, 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.

FB Dwyer Commissions NC 1042  
Inspector's Signature National Board, State, Province, and Endorsements

Date FEB 8 19 99

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 12/17/98  
 Name  
P.O. Box 1551, Raleigh, N. C. 27602-1551 Sheet 1 of 2  
 Address
2. Plant Shearon Harris Nuclear Power Plant Unit 1  
 Name  
P.O. Box 165, New Hill, N. C. 27562-0165 WR/JO 97-AAUR1  
 Address Repair Organization P.O. No., Job No., etc.
3. Work Performed by Carolina Power & Light Company Type Code Symbol Stamp N/A  
 Name  
P.O. Box 165 New Hill, N.C. 27562-0165 Authorization No. N/A  
 Address Expiration Date N/A
4. Identification of System: 2060-Chemical and Volume Control System ASME III, CLASS 2
5. (a) Applicable Construction Code ASME Sect. III 19 74 Edition, WINTER 1976 Addenda, N/A Code Case  
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 89, Addenda NO
6. Identification of Components Repaired 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 1CS-303	Colonial Rubber Co.	N/A	N/A	Diaphragm EPDM P.O. 8N5082	1997	Replacement	No

7. Description of Work: Replaced diaphragm on valve 1CS-303. End of life. P/N 722-838-72.

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

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8½ in. x 11 in., (2) information in items 1 through 6 on this report is included on each sheet, and (3) each sheet is numbered and the number of sheets is recorded at the top of this form.

FORM NIS-2 (Back)

9. Remarks: Applicable records are maintained in the plant vault and turnover package.  
Applicable Manufacturer's Date Reports to be attached  
PRESSURE TESTING NOT REQUIRED PER CODE INTERPRETATION XI-1-95-48.

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp N/A

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

Signed Mark A. Ryan Inspection & Test Supervisor Date 1/04, 19 99  
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of North Carolina and employed by Hartford Steam Boiler Inspection and Insurance Company of One State Street, Hartford Connecticut 06102 have inspected the components described in this Owner's Report during the period 11-04-98 to 11-21-98, 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.

EB Dayton Commissions NC 1042  
Inspector's Signature National Board, State, Province, and Endorsements

Date JAN 6 19 99

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 12-18-98  
Name  
P.O. Box 1551, Raleigh, N. C. 27602-1551 Address Sheet 1 of 2
2. Plant Shearon Harris Nuclear Power Plant Unit 1  
Name  
P.O. Box 165, New Hill, N. C. 27562-0165 Address  
WR/JO 97-ACBU1  
Repair Organization P.O. No., Job No., etc.
3. Work Performed by Carolina Power & Light Company Type Code Symbol Stamp N/A  
Name  
P.O. Box 165 New Hill, N.C. 27562-0165 Address  
Authorization No. N/A  
Expiration Date N/A
4. Identification of System: 8210-HVAC Auxiliary Building ASME III, CLASS 2
5. (a) Applicable Construction Code ASME Sect. III 19 74 Edition, WINTER 1976 Addenda, N/A Code Case  
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 89, Addenda NO
6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
(32) Nuts	Dubose Nat. Energy Svcs.	N/A	N/A	Ht.#X82013 LAD P/N 727-417-88 P.O. 9A74758K	1993	Replacement	No
Threaded Rod (5) 5/8"x 11	Dubose Nat. Energy Svcs.	N/A	N/A	Ht.#NBA P/N 514-117-00 P.O. 8P6547CJ	1997	Replacement	No

7. Description of Work: Installed new Studs and Nuts on inlet and outlet spool pieces after inspections were performed on Charging Pump 1B-SB Area AH-9-1B.

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

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8½ in. x 11 in., (2) information in items 1 through 6 on this report is included on each sheet, and (3) each sheet is numbered and the number of sheets is recorded at the top of this form.

FORM NIS-2 (Back)

9. Remarks: Applicable records are maintained in the plant vault and turnover package.  
Applicable Manufacturer's Date Reports to be attached  
NO PRESSURE TESTING IS REQUIRED PER CODE INTERPRETATION XI-1-95-52.

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp N/A

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

Signed Mark A. Papp Inspection & Test Supervisor Date 1/04, 1999  
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of North Carolina and employed by Hartford Steam Boiler Inspection and Insurance Company of One State Street, Hartford Connecticut 06102 have inspected the components described in this Owner's Report during the period 08-18-98 to 08-26-98, 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.

EB Dwyer Commissions NC 1042  
Inspector's Signature National Board, State, Province, and Endorsements

Date JAN 6 19 99

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 1-16-98  
Name  
P.O. Box 1551, Raleigh, N. C. 27602-1551 Address Sheet 1 of 2
2. Plant Shearon Harris Nuclear Power Plant Unit 1  
Name  
P.O. Box 165, New Hill, N. C. 27562-0165 Address WR/JO 97-AEML1  
Repair Organization P.O. No., Job No., etc.
3. Work Performed by Carolina Power & Light Company Type Code Symbol Stamp N/A  
Name  
P.O. Box 165 New Hill, N.C. 27562-0165 Address Authorization No. N/A  
Expiration Date N/A
4. Identification of System: 6175 - FIRE PROTECTION SYSTEM ASME III, CLASS 2
5. (a) Applicable Construction Code ASME Sect. III 19 74 Edition, WINTER 1976 Addenda, N/A Code Case  
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 83, Addenda SUMMER 1983

6. Identification of Components Repaired and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
THRD ROD (1) FT.	DUBOSE NATIONAL ENERGY	N/A	N/A	HT # 70202 HEAT CODE - NAM	1995	REPLACEMENT	NO
(2) NUTS	BOWMAN DISTRIBUTION	N/A	N/A	CPL# 726-148-60 PO# 7N7609	1994	REPLACEMENT	NO

7. Description of Work: REPLACED (1) FT THRD ROD, AND (2) NUTS IN VALVE FLANGE ON 1FP-347 (2FP-B1SA)

8. Tests Conducted: Hydrostatic  Pneumatic  Nominal Operating Pressure   
Other  Pressure N/A psi Test Temp. N/A of

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8½ in. x 11 in., (2) information in items 1 through 6 on this report is included on each sheet, and (3) each sheet is numbered and the number of sheets is recorded at the top of this form.

FORM NIS-2 (Back)

9. Remarks: PRESSURE TEST NOT REQUIRED PER INTERPRETATION XI-1-95-48 VOL. 40 AND XI-1-95-52 VOL. 41  
Applicable Manufacturer's Date Reports to be attached

REFERENCE CR 97-3652 FOR USING ASTM NUTS IN A CODE CLASS 2 SYSTEM.

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp N/A

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

Signed Cheryl Braum Inspection & Test Supervisor Date Feb 4, 19 98  
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of North Carolina and employed by Hartford Steam Boiler Inspection and Insurance Company of One State Street, Hartford Connecticut 06102 have inspected the components described in this Owner's Report during the period 05-06-97 to 11-10-97, 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.

Colgar B Dwyer Commissions NC 1042  
Inspector's Signature National Board, State, Province, and Endorsements

Date FEB 5 19 98

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 12/18/98  
Name  
P.O. Box 1551, Raleigh, N. C. 27602-1551 Sheet 1 of 2  
Address

2. Plant Shearon Harris Nuclear Power Plant Unit 1  
Name  
P.O. Box 165, New Hill, N. C. 27562-0165 WR/JO 97-AFHR1  
Address Repair Organization P.O. No., Job No., etc.

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

4. Identification of System: CHEMICAL AND VOLUME CONTROL ASME III, CLASS 2

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

6. Identification of Components Repaired and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
PLUG FOR VA. 2CS-V503SN-1	CARTECH	3010	N/A	N/A	N/A	REPLACED	NO
PLUG FOR VA. 2CS-V503SN-1	COPEP-VULCAN	N/A	N/A	CP&L PART # 724-330-22 PO#9C1776, HT62348	N/A	REPLACEMENT	NO

7. Description of Work: VALVE 2CS-V503SN-1 (1CS-480) PLUG RELACEMENT

8. Tests Conducted: Hydrostatic  Pneumatic  Nominal Operating Pressure   
Other  Pressure \_\_\_\_\_ psi Test Temp. \_\_\_\_\_ °F  
SEE REMARKS....

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8½ in. x 11 in., (2) information in items 1 through 6 on this report is included on each sheet, and (3) each sheet is numbered and the number of sheets is recorded at the top of this form.



FORM NIS-2 (Back)

9. Remarks: PRESSURE TEST NOT REQUIRED PER CODE INTERPRETATION XI-1-95-48 FOR THE REPLACEMENT OF PRESSURE BOUNDARY PARTS.  
Applicable Manufacturer's Date Reports to be attached

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp N/A

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

Signed Mark A. P... Inspection & Test Supervisor Date 1/06, 19 99  
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the  
State or Province of North Carolina and employed by Hartford Steam Boiler Inspection and Insurance Company of  
One State Street, Hartford Connecticut 06102 have inspected the components described  
in this Owner's Report during the period 11/1/98 to 11/18/98, 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.

EB Dayton Commissions NC 1042  
Inspector's Signature National Board, State, Province, and Endorsements

Date Jan 7 19 99

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 01-29-99  
Name  
P.O. Box 1551, Raleigh, N. C. 27602-1551 Sheet 1 of 2  
Address
2. Plant Shearon Harris Nuclear Power Plant Unit 1  
Name  
P.O. Box 165, New Hill, N. C. 27562-0165 WR/JO 97-AFYP1  
Address Repair Organization P.O. No., Job No., etc.
3. Work Performed by Carolina Power & light Company Type Code Symbol Stamp N/A  
Name  
P.O. Box 165 New Hill, N.C. 27562-0165 Authorization No. N/A  
Address Expiration Date N/A
4. Identification of System: 2060 - CHEMICAL AND VOLUME CONTROL SYSTEM ASME III, CLASS 2
5. (a) Applicable Construction Code ASME Sect. III 19 74 Edition, WINTER 1976 Addenda, N/A Code Case  
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 89, Addenda NO

6. Identification of Components Repaired and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
VALVE PLUG	BW/IP INTERNATIONAL, INC	327785 SN 12	N/A	P/N 724-135-60 PO # 8N9742 HT # 40276	1997	REPLACEMENT	NO
VALVE PLUG	KEROTEST MFG. CORP.	N/A	N/A	HT CODE AJU	1985	REPLACED	NO

7. Description of Work: REPLACED VALVE PLUG AND REMACHINED SEAT IN VALVE TAG NUMBER 1CS-761.

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

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8½ in. x 11 in., (2) information in items 1 through 6 on this report is included on each sheet, and (3) each sheet is numbered and the number of sheets is recorded at the top of this form.

FORM NIS-2 (Back)

9. Remarks: VALVE SERIAL NUMBER AFH4-9, NATIONAL BOARD NUMBER 37245.  
Applicable Manufacturer's Date Reports to be attached  
NO PRESSURE TESTING REQUIRED FOR REPLACEMENT OF INTERNAL PRESSURE BOUNDARY PART PER CODE INTERPRETATION XI-1-95-48.

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp N/A

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

Signed Minda A. Papp Inspection & Test Supervisor Date 2-4, 19 99  
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of North Carolina and employed by Hartford Steam Boiler Inspection and Insurance Company of One State Street, Hartford Connecticut 06102 have inspected the components described in this Owner's Report during the period 10-31-98 to 11-13-98, 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.

EB Doughty Commissions NC 1042  
Inspector's Signature National Board, State, Province, and Endorsements

Date FEB 8 19 99

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 11-29-99  
 Name  
P.O. Box 1551, Raleigh, N. C. 27602-1551 Sheet 1 of 2  
 Address
2. Plant Shearon Harris Nuclear Power Plant Unit 1  
 Name  
P.O. Box 165, New Hill, N. C. 27562-0165 WR/JO 97-AFZY3  
 Address Repair Organization P.O. No., Job No., etc.
3. Work Performed by Carolina Power & Light Company Type Code Symbol Stamp N/A  
 Name  
P.O. Box 165 New Hill, N.C. 27562-0165 Authorization No. N/A  
 Address Expiration Date N/A
4. Identification of System: 3020 - MAIN STEAM SYSTEM ASME III, CLASS 2
5. (a) Applicable Construction Code ASME Sect. III 19 74 Edition, WINTER 1976 Addenda, N/A Code Case  
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 89, Addenda NO

6. Identification of Components Repaired and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
PLUG ASSEMBLY	NELES-JAMESBURY	A-11	N/A	HT # 93767	1989	REPLACED	NO
PLUG ASSEMBLY	HAMMEL-DAHL	N/A	N/A	HT # 80378	1982	REPLACEMENT	NO

7. Description of Work: REPLACED PLUG/STEM ASSEMBLY AND CAGE ON VALVE TAG NUMBER 1MS-85.

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

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8½ in. x 11 in., (2) information in items 1 through 6 on this report is included on each sheet, and (3) each sheet is numbered and the number of sheets is recorded at the top of this form.

FORM NIS-2 (Back)

9. Remarks: NO PRESSURE TESTING IS REQUIRED FOR REPLACEMENT OF INTERNAL PRESSURE BOUNDARY PART PER CODE INTERPRETATION XI-1-95-48.  
Applicable Manufacturer's Date Reports to be attached

REPLACEMENT PLUG WAS FROM VALVE SERIAL NUMBER 78/4001/007, NATIONAL BOARD NUMBER 96, MANUFACTURED IN 1982.

CERTIFICATE 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 Mark A. Fagin Inspection & Test Supervisor Date 2-2, 19 99  
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of North Carolina and employed by Hartford Steam Boiler Inspection and Insurance Company of One State Street, Hartford Connecticut 06102 have inspected the components described in this Owner's Report during the period 11-15-98 to 11-22-98, 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.

Mark A. Fagin Commissions NC 1042  
Inspector's Signature National Board, State, Province, and Endorsements

Date 2-4 19 99

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 12/17/98  
Name  
P.O. Box 1551, Raleigh, N. C. 27602-1551 Sheet 1 of 2  
Address
2. Plant Shearon Harris Nuclear Power Plant Unit 1  
Name  
P.O. Box 165, New Hill, N. C. 27562-0165 Address  
WR/JO 97-AGKD1  
Repair Organization P.O. No., Job No., etc.
3. Work Performed by Carolina Power & light Company Type Code Symbol Stamp N/A  
Name  
P.O. Box 165 New Hill, N.C. 27562-0165 Address  
Authorization No. N/A  
Expiration Date N/A
4. Identification of System: 8152-Containment Cooling System ASME III, CLASS 2
5. (a) Applicable Construction Code ASME Sect. III 19 74 Edition, WINTER 1976 Addenda, N/A Code Case  
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 89, Addenda NO

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
(1) Nut	Dubose Nat. Energy Svcs.	N/A	N/A	Ht. #X82013 LAD P/N 727-417-88	1998	Replacement	No
(3) Nuts	Dubose Nat. Energy Svcs.	N/A	N/A	Ht. #8868982 P/N 514-109-26	1997	Replacement	No

7. Description of Work: Pressure test of repaired cooling coil. (Nuts replaced) (1) Nut Ref. P.O. 9A7475 and (3) Nuts Ref. P.O. 8P2649

8. Tests Conducted: Hydrostatic  Pneumatic  Nominal Operating Pressure   
Other  Pressure 167 psi Test Temp. >50 °F

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8½ in. x 11 in., (2) information in items 1 through 6 on this report is included on each sheet, and (3) each sheet is numbered and the number of sheets is recorded at the top of this form.

FORM NIS-2 (Back)

9. Remarks: Applicable records are maintained in the plant vault and turnover package.  
Applicable Manufacturer's Date Reports to be attached

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CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp N/A

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

Signed Mark A. Pagn Inspection & Test Supervisor Date 1/04, 1999  
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of North Carolina and employed by Hartford Steam Boiler Inspection and Insurance Company of One State Street, Hartford Connecticut 06102 have inspected the components described in this Owner's Report during the period 11-11-98 to 11-18-98, 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.

EB Doughton Commissions NC 1042  
Inspector's Signature National Board, State, Province, and Endorsements

Date JAN 5 19 99

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

1. Owner: Carolina Power & Light Company Name Date 12/17/98

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

2. Plant Shearon Harris Nuclear Power Plant Name Unit 1

P.O. Box 165, New Hill, N. C. 27562-0165 Address WR/JO 97-AHDQ3  
Repair Organization P.O. No., Job No., etc.

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

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

4. Identification of System: 2080-High Head Safety Injection System ASME III, CLASS 2

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

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

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
Hanger SI-H-1076	COLOC Industries	N/A	N/A	P/N 732-863-46 P.O. 7N7088	1994	Replacement	No

7. Description of Work: Replaced two lock nuts on hanger that was removed to allow access for disassembly of valve SI-107

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

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8½ in. x 11 in., (2) information in items 1 through 6 on this report is included on each sheet, and (3) each sheet is numbered and the number of sheets is recorded at the top of this form.



FORM NIS-2 (Back)

9. Remarks: Applicable records are maintained in the plant vault and turnover package.  
Applicable Manufacturer's Date Reports to be attached

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp N/A

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

Signed Mark A. Pope Inspection & Test Supervisor Date 1/04, 19 97  
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of North Carolina and employed by Hartford Steam Boiler Inspection and Insurance Company of One State Street, Hartford Connecticut 06102 have inspected the components described in this Owner's Report during the period 10-31-98 to 11-8-98, 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,

EB Dwyer Commissions NC 1042  
Inspector's Signature National Board, State, Province, and Endorsements

Date JAN 6 19 99

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 12/14/98  
Name  
P.O. Box 1551, Raleigh, N. C. 27602-1551 Address Sheet 1 of 2
2. Plant Shearon Harris Nuclear Power Plant Unit 1  
Name  
P.O. Box 165, New Hill, N. C. 27562-0165 Address WR/JO 97-AHFX1  
Repair Organization P.O. No., Job No., etc.
3. Work Performed by Carolina Power & Light Company Type Code Symbol Stamp N/A  
Name  
P.O. Box 165 New Hill, N.C. 27562-0165 Address Authorization No. N/A  
Expiration Date N/A
4. Identification of System: 3010-Steam Generator Blowdown System ASME III, CLASS 2
5. (a) Applicable Construction Code ASME Sect. III 19 74 Edition, WINTER 1976 Addenda, N/A Code Case  
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 89, Addenda NO

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
Snubber	Pacific Scientific	S/N 7004	N/A	BD-H-351A	1983	Replaced	No
Snubber	Pacific Scientific	S/N 35143	N/A	BD-H-351A	1979	Replacement	No

7. Description of Work: Replaced Snubber S/N 7004 WITH Snubber S/N 35143 on hanger BD-H-351A

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

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 9 1/2 in. x 11 in., (2) information in items 1 through 6 on this report is included on each sheet, and (3) each sheet is numbered and the number of sheets is recorded at the top of this form.

FORM NIS-2 (Back)

9. Remarks: Applicable records are maintained in the plant vault and turnover package.  
Applicable Manufacturer's Date Reports to be attached

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CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp N/A

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

Signed Mark A. Papp Inspection & Test Supervisor Date 12/29, 19 98  
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of North Carolina and employed by Hartford Steam Boiler Inspection and Insurance Company of One State Street, Hartford Connecticut 06102 have inspected the components described in this Owner's Report during the period 11-4-98 to 11-5-98, 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,

EB Dayle Commissions NC 1042  
Inspector's Signature National Board, State, Province, and Endorsements

Date Dec 30 19 98

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 12/21/98  
Name  
P.O. Box 1551, Raleigh, N. C. 27602-1551 Sheet 1 of 2  
Address

2. Plant Shearon Harris Nuclear Power Plant Unit 1  
Name  
P.O. Box 165, New Hill, N. C. 27562-0165 Address  
WR/JO 97-AHGA1A  
Repair Organization P.O. No., Job No., etc.

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

4. Identification of System: 3065-Auxiliary Feedwater System ASME III, CLASS 2

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

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
6" S/80 L/R Elbows	Dubose Nat. Energy Svcs.	N/A	N/A	P.O. 9C1299BK Ht.# H313A	1998	Replacement	No
6" S/120 L/R Elbows	Dubose Nat. Energy Svcs.	N/A	N/A	P.O. 8G6849CJ Ht.# 9280a	1995	Replacement	No

7. Description of Work: Replaced Elbows and Piping Spools per ESR 96-00449. (See list under remarks).

8. Tests Conducted: Hydrostatic  Pneumatic  Nominal Operating Pressure   
Other  Pressure 1075 psi Test Temp. 556 °F

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8½ in. x 11 in., (2) information in items 1 through 6 on this report is included on each sheet, and (3) each sheet is numbered and the number of sheets is recorded at the top of this form.

FORM NIS-2 (Back)

9. Remarks: Applicable records are maintained in the plant vault and turnover package.  
Applicable Manufacturer's Date Reports to be attached  
(1)Ref. Code Case N416-1 (2)Ref. ESR 96-00449  
Welds:1-AF-1-02-FW-10;FW-8;FW-9;FW-6;FW-5;FW-4;FW-3;FW-2;FW-15 and FW-442.

CERTIFICATE OF COMPLIANCE.

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

Type Code Symbol Stamp N/A

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

Signed Mark a Pop Inspection & Test Supervisor Date 1/06, 19 99  
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of North Carolina and employed by Hartford Steam Boiler Inspection and Insurance Company of One State Street, Hartford Connecticut 06102 have inspected the components described in this Owner's Report during the period 10-25-98 to 11-22-98, 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.

EP Dayle Commissions NC 1042  
Inspector's Signature National Board, State, Province, and Endorsements  
Date 1-21 19 99

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 12/21/98  
Name  
P.O. Box 1551, Raleigh, N. C. 27602-1551 Sheet 1 of 2  
Address
2. Plant Shearon Harris Nuclear Power Plant Unit 1  
Name  
P.O. Box 165, New Hill, N. C. 27562-0165 WR/JO 97-AHGA1B  
Address Repair Organization P.O. No., Job No., etc.
3. Work Performed by Carolina Power & Light Company Type Code Symbol Stamp N/A  
Name  
P.O. Box 165 New Hill, N.C. 27562-0165 Authorization No. N/A  
Address Expiration Date N/A
4. Identification of System: 3065-Auxiliary Feedwater System ASME III, CLASS 2
5. (a) Applicable Construction Code ASME Sect. III 19 74 Edition, WINTER 1976 Addenda, N/A Code Case  
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 89, Addenda NO
6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
6" S/80 L/R Elbows	Dubose Nat. Energy Svcs.	N/A	N/A	P.O. 9C1299BK Ht.# H313A	1998	Replacement	No
6" S/80 X R/L Pipe	Dubose Nat. Energy Svcs.	N/A	N/A	P.O. 8N8953CJ Ht.# C04644	1997	Replacement	No

7. Description of Work: Replaced elbows and piping spools per ESR 96-00449. (See list under remarks.)

8. Tests Conducted: Hydrostatic  Pneumatic  Nominal Operating Pressure   
Other  Pressure 1075 psi Test Temp. 556 °F

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8½ in. x 11 in., (2) information in items 1 through 6 on this report is included on each sheet, and (3) each sheet is numbered and the number of sheets is recorded at the top of this form.

FORM NIS-2 (Back)

9. Remarks: Applicable records are maintained in the plant vault and turnover package.  
Applicable Manufacturer's Date Reports to be attached  
(1)Ref. Code Case N416-1 (2)Ref. ESR 96-00449  
Welds:1-AF-3-01-FW-432;FW-35;FW-19;FW-20;FW-40;FW-18;FW-14;FW-13;FW-8;FW-7;FW-1 and FW-2.

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp N/A

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

Signed Mark A. Pope Inspection & Test Supervisor Date 1/06, 1999  
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of North Carolina and employed by Hartford Steam Boiler Inspection and Insurance Company of One State Street, Hartford Connecticut 06102 have inspected the components described in this Owner's Report during the period 10-25-98 to 11-22-98, 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.

EB Dayte Commissions NC 1042  
Inspector's Signature National Board, State, Province, and Endorsements

Date 1-21 19 99

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 12/21/98  
Name  
P.O. Box 1551, Raleigh, N. C. 27602-1551 Sheet 1 of 2  
Address
2. Plant Shearon Harris Nuclear Power Plant Unit 1  
Name  
P.O. Box 165, New Hill, N. C. 27562-0165 WR/JD 97-AHGA1C  
Address Repair Organization P.O. No., Job No., etc.
3. Work Performed by Carolina Power & Light Company Type Code Symbol Stamp N/A  
Name  
P.O. Box 165 New Hill, N.C. 27562-0165 Authorization No. N/A  
Address Expiration Date N/A
4. Identification of System: 3065-Auxiliary Feedwater System ASME III, CLASS 2
5. (a) Applicable Construction Code ASME Sect. III 19 74 Edition, WINTER 1976 Addenda, N/A Code Case  
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 89, Addenda NO
6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
6" S/120 L/R Elbows	Dubose Nat. Energy Svcs.	N/A	N/A	P.O. 8G6849CJ Ht.# 9280A	1995	Replacement	No
6" S/80 X R/L Pipe	Dubose Nat. Energy Svcs.	N/A	N/A	P.O. 8N8953CJ Ht.# C04644	1997	Replacement	No

7. Description of Work: Replaced elbows and piping spools per ESR 96-00449 (See list under remarks).

8. Tests Conducted: Hydrostatic  Pneumatic  Nominal Operating Pressure   
Other  Pressure 1075 psi Test Temp. 556 °F

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8½ in. x 11 in., (2) information in items 1 through 6 on this report is included on each sheet, and (3) each sheet is numbered and the number of sheets is recorded at the top of this form.



FORM NIS-2 (Back)

9. Remarks: Applicable records are maintained in the plant vault and turnover package.  
Applicable Manufacturer's Date Reports to be attached  
(1)Ref. Code Case N416-1 (2)Ref. ESR 96-00449  
Welds:1-AF-2-02-FW-3;FW-37;FW-451 and FW-24.

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp N/A  
Certificate of Authorization No. N/A Expiration Date N/A  
Signed Mark a P Inspection & Test Supervisor Date 1/06, 19 99  
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of North Carolina and employed by Hartford Steam Boiler Inspection and Insurance Company of One State Street, Hartford Connecticut 06102 have inspected the components described in this Owner's Report during the period 10-25-98 to 11-22-98, 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.

EB Dwyer Commissions NC 1042  
Inspector's Signature National Board, State, Province, and Endorsements  
Date 1-21 19 99

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 12-15-98  
Name  
P.O. Box 1551, Raleigh, N. C. 27602-1551 Address Sheet 1 of 2
2. Plant Shearon Harris Nuclear Power Plant Unit 1  
Name  
P.O. Box 165, New Hill, N. C. 27562-0165 Address WR/JO 97-AHGA2  
Repair Organization P.O. No., Job No., etc.
3. Work Performed by Carolina Power & Light Company Type Code Symbol Stamp N/A  
Name  
P.O. Box 165 New Hill, N.C. 27562-0165 Address Authorization No. N/A  
Expiration Date N/A
4. Identification of System: AUXILIARY FEEDWATER ASME III, CLASS 2
5. (a) Applicable Construction Code ASME Sect. III 19 74 Edition, WINTER 1976 Addenda, N/A Code Case  
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 89, Addenda NO

6. Identification of Components Repaired 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)
7/8" HEAVY HEX LOCK NUT	COLOC	N/A	N/A	CP&L# 732-862-96 PO# 8N9756	N/A	REPLACEMENT	NO

7. Description of Work: REPLACED COLOC LOCK NUT DURING HANGER DISASSEMBLY FOR PIPING WORK. HANGER AF-H-309.

8. Tests Conducted: Hydrostatic  Pneumatic  Nominal Operating Pressure   
Other  Pressure \_\_\_\_\_ psi Test Temp. \_\_\_\_\_ °F  
SEE REMARKS....

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8½ in. x 11 in., (2) information in items 1 through 6 on this report is included on each sheet, and (3) each sheet is numbered and the number of sheets is recorded at the top of this form.

FORM NIS-2 (Back)

9. Remarks: PRESSURE TEST NOT REQUIRED FOR PIPE HANGER DISASSEMBLY.  
Applicable Manufacturer's Date Reports to be attached

REPLACED COLOC NUTS DURING REASSEMBLY OF HANGER AF-H-309 FOR REPLACEMENT OF PIPE ON LINE NUMBER 2AF6-7SAB

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp N/A

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

Signed Mark A. Papp Inspection & Test Supervisor Date 1/04, 19 99  
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of North Carolina and employed by Hartford Steam Boiler Inspection and Insurance Company of One State Street, Hartford Connecticut 06102 have inspected the components described in this Owner's Report during the period 10-25-98 to 11-21-98, 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,

EB Doughter Commissions NC 1042  
Inspector's Signature National Board, State, Province, and Endorsements

Date JAN 5 19 99

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 12-15-98  
Name  
P.O. Box 1551, Raleigh, N. C. 27602-1551 Sheet 1 of 2  
Address
2. Plant Shearon Harris Nuclear Power Plant Unit 1  
Name  
P.O. Box 165, New Hill, N. C. 27562-0165 WR/JO 97-AHGA2  
Address Repair Organization P.O. No., Job No., etc.
3. Work Performed by Carolina Power & Light Company Type Code Symbol Stamp N/A  
Name  
P.O. Box 165 New Hill, N.C. 27562-0165 Authorization No. N/A  
Address Expiration Date N/A
4. Identification of System: AUXILIARY FEEDWATER ASME III, CLASS 2
5. (a) Applicable Construction Code ASME Sect. III 19 74 Edition, WINTER 1976 Addenda, N/A Code Case  
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 89, Addenda NO
6. Identification of Components Repaired 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)
7/8" HEAVY HEX LOCK NUT	COLOC	N/A	N/A	CP&L# 732-862-96 PO# 8N9756	N/A	REPLACEMENT	NO

7. Description of Work: REPLACED COLOC LOCK NUT DURING HANGER REASSEMBLY FOR PIPING WORK. HANGER AF-H-298
8. Tests Conducted: Hydrostatic  Pneumatic  Nominal Operating Pressure   
Other  Pressure \_\_\_\_\_ psi Test Temp. \_\_\_\_\_ °F  
SEE REMARKS....

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8½ in. x 11 in., (2) information in items 1 through 6 on this report is included on each sheet, and (3) each sheet is numbered and the number of sheets is recorded at the top of this form.

FORM NIS-2 (Back)

9. Remarks: PRESSURE TEST NOT REQUIRED FOR PIPE HANGER DISASSEMBLY.  
Applicable Manufacturer's Date Reports to be attached  
HANGER AF-H-298 DISASSEMBLED AND REASSEMBLED TO SUPPORT PIPE REPLACEMENT ON LINE 2AF6-59SAB

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp N/A

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

Signed Mark A. P... Inspection & Test Supervisor Date 1/04, 19 99  
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of North Carolina and employed by Hartford Steam Boiler Inspection and Insurance Company of One State Street, Hartford Connecticut 06102 have inspected the components described in this Owner's Report during the period 10-25-98 to 11-21-98, 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,

EB Doyle Commissions NC 1042  
Inspector's Signature National Board, State, Province, and Endorsements

Date JAN 5 19 99

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 12/22/98  
Name

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

2. Plant Shearon Harris Nuclear Power Plant Unit 1  
Name

P.O. Box 165, New Hill, N. C. 27562-0165 WR/JO 97-AHGA3  
Address Repair Organization P.O. No., Job No., etc.

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

Authorization No. N/A

P.O. Box 165 New Hill, N.C. 27562-0165 Expiration Date N/A  
Address

4. Identification of System: 3065-Auxiliary Feedwater System ASME III, CLASS 2

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

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

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
Hgr AF-H-295 (2) Studs	Dubose National Energy Service	N/A	N/A	P/N 514-117-00 P.O. 9C2103 Ht. Code NBA	1998	Replacement	No
(4) Nuts	COLOC Industries	N/A	N/A	P/N 732-863-12 P.O. 8I3149	1995	Replacement	No
(1) Pin	Bergen Patterson	N/A	N/A	P/N 738-162-66 P.O. 7E1233AA	1993	Replacement	No

7. Description of Work: Support AF-H-295 Removed and re-installed to allow access to replace 6"AFW Piping.

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

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8½ in. x 11 in., (2) information in items 1 through 6 on this report is included on each sheet, and (3) each sheet is numbered and the number of sheets is recorded at the top of this form.

FORM NIS-2 (Back)

9. Remarks: Applicable records are maintained in the plant vault and turnover package.  
Applicable Manufacturer's Date Reports to be attached  
Ref. ESR 96-00449

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp N/A

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

Signed Mark A. Pap Inspection & Test Supervisor Date 1/06, 19 99  
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of North Carolina and employed by Hartford Steam Boiler Inspection and Insurance Company of One State Street, Hartford Connecticut 06102 have inspected the components described in this Owner's Report during the period 10-26-98 to 11-23-98, 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.

EB Dayton Commissions NC 1042  
Inspector's Signature National Board, State, Province, and Endorsements

Date Jan 7 19 99

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 12/16/98  
 Name  
P.O. Box 1551, Raleigh, N. C. 27602-1551 Sheet 1 of 2  
 Address
2. Plant Shearon Harris Nuclear Power Plant Unit 1  
 Name  
P.O. Box 165, New Hill, N. C. 27562-0165 WR/JO 97-AHGA4  
 Address Repair Organization P.O. No., Job No., etc.
3. Work Performed by Carolina Power & Light Company Type Code Symbol Stamp N/A  
 Name  
P.O. Box 165 New Hill, N.C. 27562-0165 Authorization No. N/A  
 Address Expiration Date N/A
4. Identification of System: 3065-Auxiliary Feedwater System ASME III, CLASS 2
5. (a) Applicable Construction Code ASME Sect. III 19 74 Edition, WINTER 1976 Addenda, N/A Code Case  
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 89, Addenda NO
6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
AF-H-365 Hanger	COLOC Industries	N/A	N/A	P.O. 8N9756 P/N 732-862-96	1997	Replacement	No

7. Description of Work: Replaced (4) Nuts on hanger AF-H-365. Removed hanger to facilitate pipe replacement.

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

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8½ in. x 11 in., (2) information in items 1 through 6 on this report is included on each sheet, and (3) each sheet is numbered and the number of sheets is recorded at the top of this form.



FORM NIS-2 (Back)

9. Remarks: Applicable records are maintained in the plant vault and turnover package.  
Applicable Manufacturer's Date Reports to be attached  
Reference ESR 96-00449.

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp N/A

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

Signed Mark A. Pope Inspection & Test Supervisor Date 12/29, 19 98  
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of North Carolina and employed by Hartford Steam Boiler Inspection and Insurance Company of One State Street, Hartford Connecticut 06102 have inspected the components described in this Owner's Report during the period 11-4-98 to 11-22-98, 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,

EB Dwyer Commissions NC 1042  
Inspector's Signature National Board, State, Province, and Endorsements

Date Jan 5 19 99

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 12/16/98  
Name  
P.O. Box 1551, Raleigh, N. C. 27602-1551 Sheet 1 of 2  
Address
2. Plant Shearon Harris Nuclear Power Plant Unit 1  
Name  
P.O. Box 165, New Hill, N. C. 27562-0165 WR/JO 97-AHGAS  
Address Repair Organization P.O. No., Job No., etc.
3. Work Performed by Carolina Power & Light Company Type Code Symbol Stamp N/A  
Name  
P.O. Box 165 New Hill, N.C. 27562-0165 Authorization No. N/A  
Address Expiration Date N/A
4. Identification of System: 3065-Auxiliary Feedwater System ASME III, CLASS 2
5. (a) Applicable Construction Code ASME Sect. III 19 74 Edition, WINTER 1976 Addenda, N/A Code Case  
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 89, Addenda NO
6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
AF-H-299 Hanger	COLOC Industries	N/A	N/A	P.O.8N6129 P/N 732-862-88	1997	Replacement	No

7. Description of Work: Replaced (2) Lock Nuts on hanger AF-H-299. Removed to facilitate pipe replacement.

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

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8½ in. x 11 in., (2) information in items 1 through 5 on this report is included on each sheet, and (3) each sheet is numbered and the number of sheets is recorded at the top of this form.

FORM NIS-2 (Back)

9. Remarks: Applicable records are maintained in the plant vault and turnover package.

Applicable Manufacturer's Date Reports to be attached

Reference ESR 96-00449

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp N/A

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

Signed Mark A Pgm Inspection & Test Supervisor Date 12/29, 19 98  
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of North Carolina and employed by Hartford Steam Boiler Inspection and Insurance Company of One State Street, Hartford Connecticut 06102 have inspected the components described in this Owner's Report during the period 11-9-98 to 11-22-98, 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.

EB Dayton Commissions NC 1042  
Inspector's Signature National Board, State, Province, and Endorsements

Date Jan 5 19 99

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 12-29-98  
Name  
P.O. Box 1551, Raleigh, N. C. 27602-1551 Address Sheet 1 of 2
2. Plant Shearon Harris Nuclear Power Plant Unit 1  
Name  
P.O. Box 165, New Hill, N. C. 27562-0165 Address  
WR/JD 97-AHGB1  
Repair Organization P.O. No., Job No., etc.
3. Work Performed by Carolina Power & Light Company Type Code Symbol Stamp N/A  
Name  
P.O. Box 165 New Hill, N.C. 27562-0165 Address  
Authorization No. N/A  
Expiration Date N/A
4. Identification of System: AUXILIARY FEEDWATER SYSTEM (3065) ASME III, CLASS 2
5. (a) Applicable Construction Code ASME Sect. III 19 74 Edition, WINTER 1976 Addenda, N/A Code Case  
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 89, Addenda NO
6. Identification of Components Repaired and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
PIPE 4" SCH 80	DUBOSE NATIONAL ENERGY SERVICE	N/A	N/A	P/N 732-182-57 PO # 8N1442 HT # 404625	1997	REPLACEMENT	NO
PIPE 6" SCH 80	DUBOSE NATIONAL ENERGY SERVICE	N/A	N/A	P/N 761-671-39 PO # 9D1467 HT # X64098	1998	REPLACEMENT	NO
TEE (1) 6"X6"X4" SCH 80	DUBOSE NATIONAL ENERGY SERVICE	N/A	N/A	P/N 738-877-47 PO #8N0670 HT CODE DJ6L	1997	REPLACEMENT	NO
PIPET (2) 10"-6" X 1"	DUBOSE NATIONAL ENERGY SERVICE	N/A	N/A	P/N 732-495-75 PO # 8N8739 HT CODE 325	1997	REPLACEMENT	NO
PIPE 6" SCH 80	DUBOSE NATIONAL ENERGY SERVICE	N/A	N/A	P/N 732-182-08 PO # 9C1057 HT # C04644	1998	REPLACEMENT	NO

7. Description of Work: REPLACED PIPE ON ISO 1-AF-17-02 DUE TO FAC
8. Tests Conducted: Hydrostatic  Pneumatic  Nominal Operating Pressure   
Other  Pressure 1075 psi Test Temp. 556 °F

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8½ in. x 11 in., (2) information in items 1 through 6 on this report is included on each sheet, and (3) each sheet is numbered and the number of sheets is recorded at the top of this form.

FORM NIS-2 (Back)

9. Remarks: REPLACED 6" PIPE BETWEEN FIELD WELD FW-268 AND FW-269. REPLACED 6" X 6" X 4" TEE, PIPE AND PIPETS FROM TEE TO  
Applicable Manufacturer's Date Reports to be attached

PENETRATION M-109 ON ISO 1-AF-17-02 DUE TO FAC. FIELD WELD 1-AF-14-01-FW-3 ON ISO 1-AF-17-01 IS FIELD WELD 1-AF-14-01-FW-248

ON ISO 1-AF-14-01.

CODE CASE N416-1 APPLICABLE TO THIS WORK

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp N/A

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

Signed Muh a Part Inspection & Test Supervisor Date 1/06, 19 99  
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of North Carolina and employed by Hartford Steam Boiler Inspection and Insurance Company of One State Street, Hartford Connecticut 06102 have inspected the components described in this Owner's Report during the period 11-01-98 to 12-03-98, 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.

FB Dayte Commissions NC 1042  
Inspector's Signature National Board, State, Province, and Endorsements

Date JAN 21 19 99

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 12-28-98  
Name  
P.O. Box 1551, Raleigh, N. C. 27602-1551 Sheet 1 of 2  
Address
2. Plant Shearon Harris Nuclear Power Plant Unit 1  
Name  
P.O. Box 165, New Hill, N. C. 27562-0165 WR/JO 97-AHGB1  
Address Repair Organization P.O. No., Job No., etc.
3. Work Performed by Carolina Power & Light Company Type Code Symbol Stamp N/A  
Name  
P.O. Box 165 New Hill, N.C. 27562-0165 Authorization No. N/A  
Address Expiration Date N/A
4. Identification of System: AUXILIARY FEEDWATER SYSTEM (3065) ASME III, CLASS 2
5. (a) Applicable Construction Code ASME Sect. III 19 74 Edition, WINTER 1976 Addenda, N/A Code Case  
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 89, Addenda NO

6. Identification of Components Repaired and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
PIPE	DUBOSE NATIONAL ENERGY SERVICE	N/A	N/A	P/N 732-182-57 PO # 8N1442 HT # 404625	1997	REPLACEMENT	NO

7. Description of Work: REPLACED APPROXIMATELY 4" OF PIPE FROM 1-AF-14-FW-248 UPSTREAM TO NEW WELD 1-AF-14-01-FW-252.

8. Tests Conducted: Hydrostatic  Pneumatic  Nominal Operating Pressure   
Other  Pressure 1075 psi Test Temp. 556 °F

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8½ in. x 11 in., (2) information in items 1 through 6 on this report is included on each sheet, and (3) each sheet is numbered and the number of sheets is recorded at the top of this form.

FORM NIS-2 (Back)

9. Remarks: REPLACED APPROXIMATELY 4" OF 4" DIAMETER PIPE DUE TO FAC.  
Applicable Manufacturer's Date Reports to be attached

CODE CASE N416-1 APPLICABLE TO THIS WORK.

WELD 1-AF-14-01-FW-248 ON ISO 1-AF-14-01 IS WELD 1-AF-17-01-FW-3 ON ISO 1-AF-17-01.

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp N/A

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

Signed Mark A. Pope Inspection & Test Supervisor Date 2-2, 19 99  
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of North Carolina and employed by Hartford Steam Boiler Inspection and Insurance Company of One State Street, Hartford Connecticut 06102 have inspected the components described in this Owner's Report during the period 11-01-98 to 12-03-98, 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,

RB. Dayt Commissions NC 1042  
Inspector's Signature National Board, State, Province, and Endorsements

Date 2-3 19 99

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 12/14/98  
Name  
P.O. Box 1551, Raleigh, N. C. 27602-1551 Sheet 1 of 2  
Address
2. Plant Shearon Harris Nuclear Power Plant Unit 1  
Name  
P.O. Box 165, New Hill, N. C. 27562-0165 WR/JO 97-AHGC1  
Address Repair Organization P.O. No., Job No., etc.
3. Work Performed by Carolina Power & light Company Type Code Symbol Stamp N/A  
Name  
P.O. Box 165 New Hill, N.C. 27562-0165 Authorization No. N/A  
Address Expiration Date N/A
4. Identification of System: 3010-Steam Generator Blowdown System ASME III, CLASS 2
5. (a) Applicable Construction Code ASME Sect. III 19 74 Edition, WINTER 1976 Addenda, N/A Code Case  
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 89, Addenda NO

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
Snubber	Pacific Scientific	S/N 15172	N/A	BD-H-351B	1980	Replaced	No
Snubber	Pacific Scientific	S/N 37252	N/A	BD-H-351B	1985	Replacement	No

7. Description of Work: Replaced Snubber S/N 15172 with Snubber S/N 37252 on hanger BD-H-351B.

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

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8½ in. x 11 in., (2) information in items 1 through 6 on this report is included on each sheet, and (3) each sheet is numbered and the number of sheets is recorded at the top of this form.



FORM NIS-2 (Back)

9. Remarks: Applicable records are maintained in the plant vault and turnover package.  
Applicable Manufacturer's Date Reports to be attached

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp N/A

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

Signed Mark A. Pope Inspection & Test Supervisor Date 12/29, 19 98  
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of North Carolina and employed by Hartford Steam Boiler Inspection and Insurance Company of One State Street, Hartford Connecticut 06102 have inspected the components described in this Owner's Report during the period 11-4-98 to 11-5-98, 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.

EB Dayte Commissions NC 1042  
Inspector's Signature National Board, State, Province, and Endorsements

Date Dec 30 19 98

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 12/14/98  
Name  
P.O. Box 1551, Raleigh, N. C. 27602-1551 Sheet 1 of 2  
Address
2. Plant Shearon Harris Nuclear Power Plant Unit 1  
Name  
P.O. Box 165, New Hill, N. C. 27562-0165 Address  
WR/JO 97-AHGD1 Repair Organization P.O. No., Job No., etc.
3. Work Performed by Carolina Power & light Company Type Code Symbol Stamp N/A  
Name  
P.O. Box 165 New Hill, N.C. 27562-0165 Address  
Authorization No. N/A  
Expiration Date N/A
4. Identification of System: 3010-Steam Generator Blowdown System ASME III, CLASS 2
5. (a) Applicable Construction Code ASME Sect. III 19 74 Edition, WINTER 1976 Addenda, N/A Code Case  
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 89, Addenda NO

Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
Snubber	Pacific Scientific	S/N 15616	N/A	BD-H-353	1981	Replaced	No
Snubber	Pacific Scientific	S/N 15599	N/A	BD-H-353	1981	Replacement	No

7. Description of Work: Replaced Snubber S/N 15616 with Snubber S/N 15599 on hanger BD-H-353.

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

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8½ in. x 11 in., (2) information in items 1 through 6 on this report is included on each sheet, and (3) each sheet is numbered and the number of sheets is recorded at the top of this form.

FORM NIS-2 (Back)

9. Remarks: Applicable records are maintained in the plant vault and turnover package.  
Applicable Manufacturer's Date Reports to be attached

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp N/A

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

Signed Mark A. [Signature] Inspection & Test Supervisor Date 12/29, 19 98  
Owner or Owner's, Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of North Carolina and employed by Hartford Steam Boiler Inspection and Insurance Company of One State Street, Hartford Connecticut 06102 have inspected the components described in this Owner's Report during the period 11-4-98 to 11-5-98, 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.

EB Dauter Commissions NC 1042  
Inspector's Signature National Board, State, Province, and Endorsements

Date Jan 4 19 99

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 12/14/98  
Name  
P.O. Box 1551, Raleigh, N. C. 27602-1551 Sheet 1 of 2  
Address
2. Plant Shearon Harris Nuclear Power Plant Unit 1  
Name  
P.O. Box 165, New Hill, N. C. 27562-0165 WR/JO 97-AHGE1  
Address Repair Organization P.O. No., Job No., etc.
3. Work Performed by Carolina Power & light Company Type Code Symbol Stamp N/A  
Name  
P.O. Box 165 New Hill, N.C. 27562-0165 Authorization No. N/A  
Address Expiration Date N/A
4. Identification of System: 3010-Steam Generator Blowdown System ASME III, CLASS 2
5. (a) Applicable Construction Code ASME Sect. III 19 74 Edition, WINTER 1976 Addenda, N/A Code Case  
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 89, Addenda NO

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
Snubber	Pacific Scientific	S/N 7274	N/A	BD-H-424	1979	Replaced	No
Snubber	Pacific Scientific	S/N 18967	N/A	BD-H-424	1983	Replacement	No

7. Description of Work: Replaced Snubber S/N 7274 with Snubber S/N 18967 on hanger BD-H-424.

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

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8½ in. x 11 in., (2) information in items 1 through 6 on this report is included on each sheet, and (3) each sheet is numbered and the number of sheets is recorded at the top of this form.

FORM NIS-2 (Back)

9. Remarks: Applicable records are maintained in the plant vault and turnover package.  
Applicable Manufacturer's Date Reports to be attached

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp N/A

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

Signed Muh a Pop Inspection & Test Supervisor Date 12/29, 19 98  
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of North Carolina and employed by Hartford Steam Boiler Inspection and Insurance Company of One State Street, Hartford Connecticut 06102 have inspected the components described in this Owner's Report during the period 11-4-98 to 11-5-98, 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.

EB Day Commissions NC 1042  
Inspector's Signature National Board, State, Province, and Endorsements

Date Dec 30 19 98

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 11/09/98  
 Name  
P.O. Box 1551, Raleigh, N. C. 27602-1551 Sheet 1 of 2  
 Address
2. Plant Shearon Harris Nuclear Power Plant Unit 1  
 Name  
P.O. Box 165, New Hill, N. C. 27562-0165 WR/JO 97-AHHB1  
 Address Repair Organization P.O. No., Job No., etc.
3. Work Performed by Carolina Power & light Company Type Code Symbol Stamp N/A  
 Name  
P.O. Box 165 New Hill, N.C. 27562-0165 Authorization No. N/A  
 Address Expiration Date N/A
4. Identification of System: 3065-Auxiliary Feedwater System ASME III, CLASS 2
5. (a) Applicable Construction Code ASME Sect. III 19 74 Edition, WINTER 1976 Addenda, N/A Code Case  
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 89, Addenda NO
6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
Snubber	Pacific Scientific	S/N 8800	N/A	AF-H-314A	1981	Replaced	No
Snubber	Pacific Scientific	S/N 15609	N/A	AF-H-314A	1981	Replacement	No

7. Description of Work: Replaced Snubber S/N 8800 with Snubber S/N 15609 on hanger AF-H-314A.

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

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8½ in. x 11 in., (2) information in items 1 through 6 on this report is included on each sheet, and (3) each sheet is numbered and the number of sheets is recorded at the top of this form.

FORM NIS-2 (Back)

9. Remarks: Applicable records are maintained in the plant vault and turnover package.  
Applicable Manufacturer's Date Reports to be attached

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp N/A

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

Signed Mark a Papp Inspection & Test Supervisor Date 1-14, 19 99  
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of North Carolina and employed by Hartford Steam Boiler Inspection and Insurance Company of One State Street, Hartford Connecticut 06102 have inspected the components described in this Owner's Report during the period 11-3-98 to 11-4-98, 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,

EB Dwyer Commissions NC 1042  
Inspector's Signature National Board, State, Province, and Endorsements

Date Jan 18 19 99

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 11-09-98  
Name  
P.O. Box 1551, Raleigh, N. C. 27602-1551 Sheet 1 of 2  
Address

2. Plant Shearon Harris Nuclear Power Plant Unit 1  
Name  
P.O. Box 165, New Hill, N. C. 27562-0165 Address  
WR/JO 97-AHHC1  
Repair Organization P.O. No., Job No., etc.

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

4. Identification of System: 3065-Auxiliary Feedwater System ASME III, CLASS 2

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

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
Snubber	Pacific Scientific	S/N 8802	N/A	AF-H-314B	1981	Replaced	No
Snubber	Pacific Scientific	S/N 8787	N/A	AF-H-314B	1981	Replacement	No

7. Description of Work: Replaced Snubber S/N 8802 with Snubber S/N 8787 on hanger AF-H-314B.

8. Tests Conducted: Hydrostatic  Pneumatic  Nominal Operating Pressure   
Other  Pressure N/A psi Test Temp. N/A of

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8½ in. x 11 in., (2) information in items 1 through 6 on this report is included on each sheet, and (3) each sheet is numbered and the number of sheets is recorded at the top of this form.



FORM NIS-2 (Back)

9. Remarks: Applicable records are maintained in the plant vault and turnover package.  
Applicable Manufacturer's Date Reports to be attached

\_\_\_\_\_

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CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp N/A

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

Signed M. A. [Signature] Inspection & Test Supervisor Date 12-11, 1998  
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of North Carolina and employed by Hartford Steam Boiler Inspection and Insurance Company of One State Street, Hartford Connecticut 06102 have inspected the components described in this Owner's Report during the period 11-03-98 to 11-04-98, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

[Signature] Commissions NC 1042  
Inspector's Signature National Board, State, Province, and Endorsements

Date Dec 17 19 98

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 11/8/98  
Name  
P.O. Box 1551, Raleigh, N. C. 27602-1551 Sheet 1 of 2  
Address
2. Plant Shearon Harris Nuclear Power Plant Unit 1  
Name  
P.O. Box 165, New Hill, N. C. 27562-0165 WR/JO 97-AHHG1  
Address Repair Organization P.O. No., Job No., etc.
3. Work Performed by Carolina Power & light Company Type Code Symbol Stamp N/A  
Name  
P.O. Box 165 New Hill, N.C. 27562-0165 Authorization No. N/A  
Address Expiration Date N/A
4. Identification of System: 2060-Chemical and Volume Control System ASME III, CLASS 2
5. (a) Applicable Construction Code ASME Sect. III 19 74 Edition, WINTER 1976 Addenda, N/A Code Case  
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 89, Addenda NO

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
Snubber	Pacific Scientific	S/N 21352	N/A	CS-H-168	1981	Replaced	No
Snubber	Pacific Scientific	S/N 36193	N/A	CS-H-168	1983	Replacement	No

7. Description of Work: Replaced Snubber S/N 21352 with Snubber S/N 36193 on hanger CS-H-168

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

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8½ in. x 11 in., (2) information in items 1 through 6 on this report is included on each sheet, and (3) each sheet is numbered and the number of sheets is recorded at the top of this form.

FORM NIS-2 (Back)

9. Remarks: Applicable records are maintained in the plant vault and turnover package.  
Applicable Manufacturer's Date Reports to be attached

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp N/A

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

Signed Mark A. P... Inspection & Test Supervisor Date 1-14, 19 99  
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of North Carolina and employed by Hartford Steam Boiler Inspection and Insurance Company of One State Street, Hartford Connecticut 06102 have inspected the components described in this Owner's Report during the period 10-25-98 to 10-30-98, 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,

EB D... Commissions NC 1042  
Inspector's Signature National Board, State, Province, and Endorsements

Date JAW 18 19 99

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 12/14/98  
Name  
P.O. Box 1551, Raleigh, N. C. 27602-1551 Address Sheet 1 of 2
2. Plant Shearon Harris Nuclear Power Plant Unit 1  
Name  
P.O. Box 165, New Hill, N. C. 27562-0165 Address WR/JO 97-AHHH1  
Repair Organization P.O. No., Job No., etc.
3. Work Performed by Carolina Power & Light Company Type Code Symbol Stamp N/A  
Name  
P.O. Box 165 New Hill, N.C. 27562-0165 Address Authorization No. N/A  
Expiration Date N/A
4. Identification of System: 2060-Chemical and Volume Control System ASME III, CLASS 2
5. (a) Applicable Construction Code ASME Sect. III 19 74 Edition, WINTER 1976 Addenda, N/A Code Case  
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 89, Addenda NO

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
Snubber	Pacific Scientific	S/N 8785	N/A	CS-H-659	1979	Replaced	No
Snubber	Pacific Scientific	S/N 6114	N/A	CS-H-659	1980	Replacement	No

7. Description of Work: Replaced Snubber S/N 8785 with Snubber S/N 6114 on hanger CS-H-659.

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

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8½ in. x 11 in., (2) information in items 1 through 6 on this report is included on each sheet, and (3) each sheet is numbered and the number of sheets is recorded at the top of this form.

FORM NIS-2 (Back)

9. Remarks: Applicable records are maintained in the plant vault and turnover package.  
Applicable Manufacturer's Date Reports to be attached

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp N/A

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

Signed Mark A. Papp Inspection & Test Supervisor Date 12/29, 19 98  
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of North Carolina and employed by Hartford Steam Boiler Inspection and Insurance Company of One State Street, Hartford Connecticut 06102 have inspected the components described in this Owner's Report during the period 11-2-98 to 11-4-98, 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,

EB Dwyer Commissions NC 1042  
Inspector's Signature National Board, State, Province, and Endorsements

Date DEC 30 19 98

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 11/8/98  
Name  
P.O. Box 1551, Raleigh, N. C. 27602-1551 Sheet 1 of 2  
Address
2. Plant Shearon Harris Nuclear Power Plant Unit 1  
Name  
P.O. Box 165, New Hill, N. C. 27562-0165 WR/JO 97-AHHI1  
Address Repair Organization P.O. No., Job No., etc.
3. Work Performed by Carolina Power & light Company Type Code Symbol Stamp N/A  
Name  
P.O. Box 165 New Hill, N.C. 27562-0165 Authorization No. N/A  
Address Expiration Date N/A
4. Identification of System: 2060-Chemical and Volume Control System ASME III, CLASS 2
5. (a) Applicable Construction Code ASME Sect. III 19 74 Edition, WINTER 1976 Addenda, N/A Code Case  
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 89, Addenda NO

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
Snubber	Pacific Scientific	S/N 15643	N/A	CS-H-41A	1981	Replaced	No
Snubber	Pacific Scientific	S/N 14255	N/A	CS-H-41A	1981	Replacement	No

7. Description of Work: Replaced Snubber S/N 15643 with Snubber S/N 14255 on hanger CS-H-41A

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

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8½ in. x 11 in., (2) information in items 1 through 6 on this report is included on each sheet, and (3) each sheet is numbered and the number of sheets is recorded at the top of this form.

FORM NIS-2 (Back)

9. Remarks: Applicable records are maintained in the plant vault and turnover package.  
Applicable Manufacturer's Date Reports to be attached

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp N/A

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

Signed Mark A. Pope Inspection & Test Supervisor Date 1-14, 1999  
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of North Carolina and employed by Hartford Steam Boiler Inspection and Insurance Company of One State Street, Hartford Connecticut 06102 have inspected the components described in this Owner's Report during the period 10-28-98 to 10-30-98, 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,

EB Duffin Commissions NC 1042  
Inspector's Signature National Board, State, Province, and Endorsements

Date JAN 18 19 99

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 11/8/98  
Name  
P.O. Box 1551, Raleigh, N. C. 27602-1551 Sheet 1 of 2  
Address
2. Plant Shearon Harris Nuclear Power Plant Unit 1  
Name  
P.O. Box 165, New Hill, N. C. 27562-0165 WR/JO 97-AHHJ1  
Address Repair Organization P.O. No., Job No., etc.
3. Work Performed by Carolina Power & light Company Type Code Symbol Stamp N/A  
Name  
P.O. Box 165 New Hill, N.C. 27562-0165 Authorization No. N/A  
Address Expiration Date N/A
4. Identification of System: 2060-Chemical and Volume Control System ASME III, CLASS 2
5. (a) Applicable Construction Code ASME Sect. III 19 74 Edition, WINTER 1976 Addenda, N/A Code Case  
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 89, Addenda NO
6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
Snubber	Pacific Scientific	S/N 16079	N/A	CS-H-41B	1981	Replaced	No
Snubber	Pacific Scientific	S/N 15640	N/A	CS-H-41B	1981	Replacement	No

7. Description of Work: Replaced Snubber S/N 16079 with Snubber S/N 15640 on hanger CS-H-41B

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

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8½ in. x 11 in., (2) information in items 1 through 6 on this report is included on each sheet, and (3) each sheet is numbered and the number of sheets is recorded at the top of this form.



FORM NIS-2 (Back)

9. Remarks: Applicable records are maintained in the plant vault and turnover package.  
Applicable Manufacturer's Date Reports to be attached

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp N/A

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

Signed Mark A. Fawcett Inspection & Test Supervisor Date 1-14, 1999  
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of North Carolina and employed by Hartford Steam Boiler Inspection and Insurance Company of One State Street, Hartford Connecticut 06102 have inspected the components described in this Owner's Report during the period 10-29-98 to 10-30-98, 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.

EB Dayton Commissions NC 1042  
Inspector's Signature National Board, State, Province, and Endorsements

Date JAN 18 19 99

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 01-19-99  
Name  
P.O. Box 1551, Raleigh, N. C. 27602-1551 Address Sheet 1 of 2
2. Plant Shearon Harris Nuclear Power Plant Unit 1  
Name  
P.O. Box 165, New Hill, N. C. 27562-0165 Address  
WR/JO 97-AHIK1  
Repair Organization P.O. No., Job No., etc.
3. Work Performed by Carolina Power & Light Company Type Code Symbol Stamp N/A  
Name  
P.O. Box 165 New Hill, N.C. 27562-0165 Address  
Authorization No. N/A  
Expiration Date N/A
4. Identification of System: 3065-Auxiliary Feedwater System ASME III, CLASS 2
5. (a) Applicable Construction Code ASME Sect. III 19 74 Edition, WINTER 1976 Addenda, N/A Code Case  
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 89, Addenda NO
6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
Snubber	See Remarks	S/N 4772	N/A	AF-H-320A	See Remarks	Replaced	No
Snubber	Pacific Scientific	S/N 6252	N/A	AF-H-320A	1979	Replacement	No

7. Description of Work: Replaced Snubber S/N 4772 with Snubber S/N 6252 on hanger AF-H-320A

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

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8½ in. x 11 in., (2) information in items 1 through 6 on this report is included on each sheet, and (3) each sheet is numbered and the number of sheets is recorded at the top of this form.

FORM NIS-2 (Back)

9. Remarks: Applicable records are maintained in the plant vault and turnover package.  
Applicable Manufacturer's Date Reports to be attached
- CR 99-0165 written for not being able to retrieve the Code Data Reports for the replaced snubber serial number 4772.

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp N/A

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

Signed Mark A. Pige Inspection & Test Supervisor Date 1-20, 19 99  
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of North Carolina and employed by Hartford Steam Boiler Inspection and Insurance Company of One State Street, Hartford Connecticut 06102 have inspected the components described in this Owner's Report during the period 10-27-98 to 10-28-98, 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.

E.B. Dayte Commissions NC 1042  
Inspector's Signature National Board, State, Province, and Endorsements

Date 1-26 19 99

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 11/9/98  
Name  
P.O. Box 1551, Raleigh, N. C. 27602-1551 Sheet 1 of 2  
Address
2. Plant Shearon Harris Nuclear Power Plant Unit 1  
Name  
P.O. Box 165, New Hill, N. C. 27562-0165 WR/JO 97-AHIL1  
Address Repair Organization P.O. No., Job No., etc.
3. Work Performed by Carolina Power & Light Company Type Code Symbol Stamp N/A  
Name  
P.O. Box 165 New Hill, N.C. 27562-0165 Authorization No. N/A  
Address Expiration Date N/A
4. Identification of System: 3065-Auxiliary Feedwater System ASME III, CLASS 2
5. (a) Applicable Construction Code ASME Sect. III 19 74 Edition, WINTER 1976 Addenda, N/A Code Case  
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 89, Addenda NO
6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
Snubber	Pacific Scientific	S/N 17451	N/A	AF-H-363	1981	Replaced	No
Snubber	Pacific Scientific	S/N 18596	N/A	AF-H-363	1981	Replacement	No

7. Description of Work: Replaced Snubber S/N 17451 with Snubber S/N 18596 on hanger AF-H-363.

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

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8½ in. x 11 in., (2) information in items 1 through 6 on this report is included on each sheet, and (3) each sheet is numbered and the number of sheets is recorded at the top of this form.

FORM NIS-2 (Back)

9. Remarks: Applicable records are maintained in the plant vault and turnover package.  
Applicable Manufacturer's Date Reports to be attached

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp N/A

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

Signed Mark a Agui Inspection & Test Supervisor Date 1-14, 19 99  
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of North Carolina and employed by Hartford Steam Boiler Inspection and Insurance Company of One State Street, Hartford Connecticut 06102 have inspected the components described in this Owner's Report during the period 10-27-98 to 11-4-98, 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,

EB Dayton

Inspector's Signature

Commissions NC 1042

National Board, State, Province, and Endorsements

Date JAW 18 19 99

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 11/12/98  
Name  
P.O. Box 1551, Raleigh, N. C. 27602-1551 Sheet 1 of 2  
Address
2. Plant Shearon Harris Nuclear Power Plant Unit 1  
Name  
P.O. Box 165, New Hill, N. C. 27562-0165 WR/JO 97-AHIR1  
Address Repair Organization P.O. No., Job No., etc.
3. Work Performed by Carolina Power & Light Company Type Code Symbol Stamp N/A  
Name  
P.O. Box 165 New Hill, N.C. 27562-0165 Authorization No. N/A  
Address Expiration Date N/A
4. Identification of System: 2060-Chemical and Volume Control System ASME III, CLASS 2
5. (a) Applicable Construction Code ASME Sect. III 19 74 Edition, WINTER 1976 Addenda, N/A Code Case  
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 89, Addenda NO
6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
Snubber	Pacific Scientific	S/N 17476	N/A	CS-H-427	1983	Replaced	No
Snubber	Pacific Scientific	S/N 12523	N/A	CS-H-427	1985	Replacement	No

7. Description of Work: Replaced Snubber S/N 17476 with Snubber S/N 12523 on hanger CS-H-427.

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

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8½ in. x 11 in., (2) information in items 1 through 6 on this report is included on each sheet, and (3) each sheet is numbered and the number of sheets is recorded at the top of this form.

FORM NIS-2 (Back)

9. Remarks: Applicable records are maintained in the plant vault and turnover package.  
Applicable Manufacturer's Date Reports to be attached

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\_\_\_\_\_

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp N/A

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

Signed Mark A. Papp Inspection & Test Supervisor Date 1-14, 19 99  
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of North Carolina and employed by Hartford Steam Boiler Inspection and Insurance Company of One State Street, Hartford Connecticut 06102 have inspected the components described in this Owner's Report during the period 11-09-98 to 11-12-98, 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.

Mark A. Papp Commissions NC 1042  
Inspector's Signature National Board, State, Province, and Endorsements

Date Jan 19 19 99

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 11/5/98  
Name  
P.O. Box 1551, Raleigh, N. C. 27602-1551 Sheet 1 of 2  
Address
2. Plant Shearon Harris Nuclear Power Plant Unit 1  
Name  
P.O. Box 165, New Hill, N. C. 27562-0165 WR/JO 97-AHJA1  
Address Repair Organization P.O. No., Job No., etc.
3. Work Performed by Carolina Power & light Company Type Code Symbol Stamp N/A  
Name  
P.O. Box 165 New Hill, N.C. 27562-0165 Authorization No. N/A  
Address Expiration Date N/A
4. Identification of System: 3050-Feedwater System ASME III, CLASS 2
5. (a) Applicable Construction Code ASME Sect. III 19 74 Edition, WINTER 1976 Addenda, N/A Code Case  
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 89, Addenda NO

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
Snubber	Pacific Scientific	S/N 6236	N/A	FW-H-118	1979	Replaced	No
Snubber	Pacific Scientific	S/N 5877	N/A	FW-H-118	1979	Replacement	No

7. Description of Work: Replaced Snubber S/N 6236 with Snubber S/N 5877 on hanger FW-H-118.

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

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8½ in. x 11 in., (2) information in items 1 through 6 on this report is included on each sheet, and (3) each sheet is numbered and the number of sheets is recorded at the top of this form.



FORM NIS-2 (Back)

9. Remarks: Applicable records are maintained in the plant vault and turnover package.  
Applicable Manufacturer's Date Reports to be attached

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp N/A

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

Signed Mark A. Papp Inspection & Test Supervisor Date 1-74, 1999  
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of North Carolina and employed by Hartford Steam Boiler Inspection and Insurance Company of One State Street, Hartford Connecticut 06102 have inspected the components described in this Owner's Report during the period 10-27-98 to 10-28-98, 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.

EB Dayle Commissions NC 1042  
Inspector's Signature National Board, State, Province, and Endorsements

Date JAN 18 19 99

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 11/5/98  
Name  
P.O. Box 1551, Raleigh, N. C. 27602-1551 Sheet 1 of 2  
Address
2. Plant Shearon Harris Nuclear Power Plant Unit 1  
Name  
P.O. Box 165, New Hill, N. C. 27562-0165 WR/JO 97-AHJB1  
Address Repair Organization P.O. No., Job No., etc.
3. Work Performed by Carolina Power & light Company Type Code Symbol Stamp N/A  
Name  
P.O. Box 165 New Hill, N.C. 27562-0165 Authorization No. N/A  
Address Expiration Date N/A
4. Identification of System: 3050-Feedwater System ASME III, CLASS 2
5. (a) Applicable Construction Code ASME Sect. III 19 74 Edition, WINTER 1976 Addenda, N/A Code Case  
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 89, Addenda NO

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
Snubber	Pacific Scientific	S/N 5207	N/A	FW-H-208	1980	Replaced	No
Snubber	Pacific Scientific	S/N 5204	N/A	FW-H-208	1980	Replacement	No

7. Description of Work: Replaced Snubber S/N 5207 with Snubber S/N 5204 on hanger FW-H-208.

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

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8½ in. x 11 in., (2) information in items 1 through 6 on this report is included on each sheet, and (3) each sheet is numbered and the number of sheets is recorded at the top of this form.

FORM NIS-2 (Back)

9. Remarks: Applicable records are maintained in the plant vault and turnover package.  
Applicable Manufacturer's Date Reports to be attached

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp N/A

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

Signed Mark a Pope Inspection & Test Supervisor Date 1-14, 19 99  
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of North Carolina and employed by Hartford Steam Boiler Inspection and Insurance Company of One State Street, Hartford Connecticut 06102 have inspected the components described in this Owner's Report during the period 10-26-98 to 10-27-98, 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,

EB North

Inspector's Signature

Commissions

NC 1042

National Board, State, Province, and Endorsements

Date JAN 18 19 99

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 11/10/98  
Name  
P.O. Box 1551, Raleigh, N. C. 27602-1551 Sheet 1 of 2  
Address
2. Plant Shearon Harris Nuclear Power Plant Unit 1  
Name  
P.O. Box 165, New Hill, N. C. 27562-0165 WR/JO 97-AHJC1  
Address Repair Organization P.O. No., Job No., etc.
3. Work Performed by Carolina Power & Light Company Type Code Symbol Stamp N/A  
Name  
P.O. Box 165 New Hill, N.C. 27562-0165 Authorization No. N/A  
Address Expiration Date N/A
4. Identification of System: 3060-Main Steam System ASME III, CLASS 2
5. (a) Applicable Construction Code ASME Sect. III 19 74 Edition, WINTER 1976 Addenda, N/A Code Case  
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 89, Addenda NO
6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
Snubber	Pacific Scientific	S/N 653	N/A	MS-H-26B	1979	Replaced	No
Snubber	Pacific Scientific	S/N 666	N/A	MS-H-26B	1980	Replacement	No

7. Description of Work: Replaced Snubber S/N 653 with Snubber S/N 666 Reference ESR 98-418.

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

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8½ in. x 11 in., (2) information in items 1 through 6 on this report is included on each sheet, and (3) each sheet is numbered and the number of sheets is recorded at the top of this form.

FORM NIS-2 (Back)

9. Remarks: Applicable records are maintained in the plant vault and turnover package.  
Applicable Manufacturer's Date Reports to be attached

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CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp N/A

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

Signed Mark A. Papp Inspection & Test Supervisor Date 1-14, 1999  
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of North Carolina and employed by Hartford Steam Boiler Inspection and Insurance Company of One State Street, Hartford Connecticut 06102 have inspected the components described in this Owner's Report during the period 10-26-98 to 10-29-98, 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,

EB Dwyer Commissions NC 1042  
Inspector's Signature National Board, State, Province, and Endorsements

Date JAN 18 19 99

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 11/4/98  
Name  
P.O. Box 1551, Raleigh, N. C. 27602-1551 Sheet 1 of 2  
Address
2. Plant Shearon Harris Nuclear Power Plant Unit 1  
Name  
P.O. Box 165, New Hill, N. C. 27562-0165 WR/JO 97-AHJJ1  
Address Repair Organization P.O. No., Job No., etc.
3. Work Performed by Carolina Power & light Company Type Code Symbol Stamp N/A  
Name  
P.O. Box 165 New Hill, N.C. 27562-0165 Authorization No. N/A  
Address Expiration Date N/A
4. Identification of System: 2085-Low Head Safety Injection and RHR System ASME III, CLASS 2
5. (a) Applicable Construction Code ASME Sect. III 19 74 Edition, WINTER 1976 Addenda, N/A Code Case  
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 89, Addenda NO

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
Snubber	Pacific Scientific	S/N 18595	N/A	RH-H-176A	1981	Replaced	No
Snubber	Pacific Scientific	S/N 12574	N/A	RH-H-176A	1985	Replacement	No

7. Description of Work: Replaced Snubber S/N 18595 with Snubber S/N 12574 on hanger RH-H-176A.

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

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8½ in. x 11 in., (2) information in items 1 through 6 on this report is included on each sheet, and (3) each sheet is numbered and the number of sheets is recorded at the top of this form.

FORM NIS-2 (Back)

9. Remarks: Applicable records are maintained in the plant vault and turnover package.  
Applicable Manufacturer's Date Reports to be attached

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp N/A

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

Signed Mark a Pop Inspection & Test Supervisor Date 1-14, 19 99  
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of North Carolina and employed by Hartford Steam Boiler Inspection and Insurance Company of One State Street, Hartford Connecticut 06102 have inspected the components described in this Owner's Report during the period 10-21-98 to 10-23-98, 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,

EB Dayte Commissions NC 1042  
Inspector's Signature National Board, State, Province, and Endorsements

Date JAN 18 19 99

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 12/14/98  
Name  
P.O. Box 1551, Raleigh, N. C. 27602-1551 Sheet 1 of 2  
Address
2. Plant Shearon Harris Nuclear Power Plant Unit 1  
Name  
P.O. Box 165, New Hill, N. C. 27562-0165 WR/JO 97-AHJK1  
Address Repair Organization P.O. No., Job No., etc.
3. Work Performed by Carolina Power & Light Company Type Code Symbol Stamp N/A  
Name  
P.O. Box 165 New Hill, N.C. 27562-0165 Authorization No. N/A  
Address Expiration Date N/A
4. Identification of System: 2080-High Head Safety Injection System ASME III, CLASS 2
5. (a) Applicable Construction Code ASME Sect. III 19 74 Edition, WINTER 1976 Addenda, N/A Code Case  
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 89, Addenda NO

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
Snubber	Pacific Scientific	S/N 8789	N/A	SI-H-203A	1979	Replaced	No
Snubber	Pacific Scientific	S/N 8783	N/A	SI-H-203A	1979	Replacement	No

7. Description of Work: Replaced Snubber S/N 8789 with Snubber S/N 8783 on hanger SI-H-203A.

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

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8½ in. x 11 in., (2) information in items 1 through 6 on this report is included on each sheet, and (3) each sheet is numbered and the number of sheets is recorded at the top of this form.



FORM NIS-2 (Back)

9. Remarks: Applicable records are maintained in the plant vault and turnover package.  
Applicable Manufacturer's Date Reports to be attached

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp N/A

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

Signed Mark a Pop Inspection & Test Supervisor Date 12/29, 19 98  
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of North Carolina and employed by Hartford Steam Boiler Inspection and Insurance Company of One State Street, Hartford Connecticut 06102 have inspected the components described in this Owner's Report during the period 11-2-98 to 11-3-98, 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.

EB Dayte Commissions NC 1042  
Inspector's Signature National Board, State, Province, and Endorsements

Date Dec 30 19 98

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 12/14/98  
Name  
P.O. Box 1551, Raleigh, N. C. 27602-1551 Sheet 1 of 2  
Address
2. Plant Shearon Harris Nuclear Power Plant Unit 1  
Name  
P.O. Box 165, New Hill, N. C. 27562-0165 Address  
WR/JO 97-AHJL1 Repair Organization P.O. No., Job No., etc.
3. Work Performed by Carolina Power & light Company Type Code Symbol Stamp N/A  
Name  
P.O. Box 165 New Hill, N.C. 27562-0165 Address  
Authorization No. N/A  
Expiration Date N/A
4. Identification of System: 2080-High Head Safety Injection System ASME III, CLASS 2
5. (a) Applicable Construction Code ASME Sect. III 19 74 Edition, WINTER 1976 Addenda, N/A Code Case  
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 89, Addenda NO

Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
Snubber	Pacific Scientific	S/N 8773	N/A	SI-H-203B	1979	Replaced	No
Snubber	Pacific Scientific	S/N 16846	N/A	SI-H-203B	1982	Replacement	No

7. Description of Work: Replaced Snubber S/N 8773 with Snubber S/N 16846 on hanger SI-H-203B.

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

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8½ in. x 11 in., (2) information in items 1 through 6 on this report is included on each sheet, and (3) each sheet is numbered and the number of sheets is recorded at the top of this form.

FORM NIS-2 (Back)

9. Remarks: Applicable records are maintained in the plant vault and turnover package.  
Applicable Manufacturer's Date Reports to be attached

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp N/A

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

Signed Mark A. Egan Inspection & Test Supervisor Date 12/29, 1998  
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of North Carolina and employed by Hartford Steam Boiler Inspection and Insurance Company of One State Street, Hartford Connecticut 06102 have inspected the components described in this Owner's Report during the period 11-2-98 to 11-3-98, 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.

EB Dayton Commissions NC 1042  
Inspector's Signature National Board, State, Province, and Endorsements

Date Dec 30 1998

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 11/4/98  
 Name  
P.O. Box 1551, Raleigh, N. C. 27602-1551 Sheet 1 of 2  
 Address
2. Plant Shearon Harris Nuclear Power Plant Unit 1  
 Name  
P.O. Box 165, New Hill, N. C. 27562-0165 WR/JO 97-AHJN1  
 Address Repair Organization P.O. No., Job No., etc.
3. Work Performed by Carolina Power & light Company Type Code Symbol Stamp N/A  
 Name  
P.O. Box 165 New Hill, N.C. 27562-0165 Authorization No. N/A  
 Address Expiration Date N/A
4. Identification of System: 2085-Low Head Safety Injection and RHR System ASME III, CLASS 2
5. (a) Applicable Construction Code ASME Sect. III 19 74 Edition, WINTER 1976 Addenda, N/A Code Case  
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 89, Addenda NO

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
Snubber	Pacific Scientific	S/N 6529	N/A	SI-H-30B	1979	Replaced	No
Snubber	Pacific Scientific	S/N 16302	N/A	SI-H-30B	1983	Replacement	No

7. Description of Work: Replaced Snubber S/N 6529 with Snubber S/N 16302 on hanger SI-H-30B.

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

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8½ in. x 11 in., (2) information in items 1 through 6 on this report is included on each sheet, and (3) each sheet is numbered and the number of sheets is recorded at the top of this form.

FORM NIS-2 (Back)

9. Remarks: Applicable records are maintained in the plant vault and turnover package.  
Applicable Manufacturer's Date Reports to be attached

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp N/A

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

Signed Much a Pa Inspection & Test Supervisor Date 1-14, 19 99  
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of North Carolina and employed by Hartford Steam Boiler Inspection and Insurance Company of One State Street, Hartford Connecticut 06102 have inspected the components described in this Owner's Report during the period 10-22-98 to 10-23-98, 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,

EB Dayte Commissions NC 1042  
Inspector's Signature National Board, State, Province, and Endorsements

Date Jan 18 19 99

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 12/14/98  
 Name  
P.O. Box 1551, Raleigh, N. C. 27602-1551 Sheet 1 of 2  
 Address
2. Plant Shearon Harris Nuclear Power Plant Unit 1  
 Name  
P.O. Box 165, New Hill, N. C. 27562-0165 WR/JO 97-AHJQ1  
 Address Repair Organization P.O. No., Job No., etc.
3. Work Performed by Carolina Power & light Company Type Code Symbol Stamp N/A  
 Name  
P.O. Box 165 New Hill, N.C. 27562-0165 Authorization No. N/A  
 Address Expiration Date N/A
4. Identification of System: 4060-Normal Service Water System ASME III, CLASS 2
5. (a) Applicable Construction Code ASME Sect. III 19 74 Edition, WINTER 1976 Addenda, N/A Code Case  
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 89, Addenda NO

7. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
Snubber	Pacific Scientific	S/N 17558	N/A	SW-H-2005	1981	Replaced	No
Snubber	Pacific Scientific	S/N 26487	N/A	SW-H-2005	1983	Replacement	No

7. Description of Work: Replaced Snubber S/N 17558 with Snubber S/N 26487 on hanger SW-H-2005.

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

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8½ in. x 11 in., (2) information in items 1 through 6 on this report is included on each sheet, and (3) each sheet is numbered and the number of sheets is recorded at the top of this report.

FORM NIS-2 (Back)

9. Remarks: Applicable records are maintained in the plant vault and turnover package.  
Applicable Manufacturer's Date Reports to be attached.

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp N/A

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

Signed Mah a Pg Inspection & Test Supervisor Date 12/29, 19 98  
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of North Carolina and employed by Hartford Steam Boiler Inspection and Insurance Company of One State Street, Hartford Connecticut 06102 have inspected the components described in this Owner's Report during the period 10-27-98 to 10-28-98, 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.

IB - Dayton Commissions NC 1042  
Inspector's Signature National Board, State, Province, and Endorsements

Date JAN 4 19 99

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 01-21-99  
Name \_\_\_\_\_  
P.O. Box 1551, Raleigh, N. C. 27602-1551 Sheet 1 of 2  
Address \_\_\_\_\_
2. Plant Shearon Harris Nuclear Power Plant Unit 1  
Name \_\_\_\_\_  
P.O. Box 165, New Hill, N. C. 27562-0165 WR/JO 97-A1121  
Address \_\_\_\_\_ Repair Organization P.O. No., Job No., etc. \_\_\_\_\_
3. Work Performed by Carolina Power & light Company Type Code Symbol Stamp N/A  
Name \_\_\_\_\_ Authorization No. N/A  
P.O. Box 165 New Hill, N.C. 27562-0165 Address \_\_\_\_\_ Expiration Date N/A  
Address \_\_\_\_\_
4. Identification of System: MAIN STEAM SYSTEM (3020) ASME III, CLASS 2
5. (a) Applicable Construction Code ASME Sect. III 19 74 Edition, WINTER 1976 Addenda, N/A Code Case  
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 89, Addenda NO

6. Identification of Components Repaired and Replacement Components.

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
RELIEF VALVE 1MS-52	CROSBY VALVE & GAGE COMPANY	N57374-00- 0012	847	N/A	1980	REPLACED	YES
RELIEF VALVE 1MS-52	CROSBY VALVE & GAGE COMPANY	N57374-00- 0002	830	N/A	1980	REPLACEMENT	YES
STUDS (1-3/8")	DUBOSE NATIONAL ENERGY SERVICE	N/A	N/A	P/N 761-720-30 PO # 9C0386 HT CODE ABK	1998	REPLACEMENT	NO
NUTS (1-3/8")	DUBOSE NATIONAL ENERGY SERVICE	N/A	N/A	P/N 761-148-34 PO # 8N7667 HT CODE FDY		REPLACEMENT	NO
							NO

7. Description of Work: REPLACED MAIN STEAM RELIEF VALVE 1MS-52 WITH REFURBISHED RELIEF VALVE.

8. Tests Conducted: Hydrostatic  Pneumatic  Nominal Operating Pressure   
Other  Pressure 952 psi Test Temp. 539 °F

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8½ in. x 11 in., (2) information in items 1 through 6 on this report is included on each sheet, and (3) each sheet is numbered and the number of sheets is recorded at the top of this form.



FORM NIS-2 (Back)

9. Remarks: ALSO RELPLACED SOME STUDS AND NUTS ON THE DISCHARGE SIDE OF THE RELIEF VALVE.  
Applicable Manufacturer's Date Reports to be attached

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp N/A

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

Signed Mark A. Pope Inspection & Test Supervisor Date 2-2, 19 99  
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of North Carolina and employed by Hartford Steam Boiler Inspection and Insurance Company of One State Street, Hartford Connecticut 06102 have inspected the components described in this Owner's Report during the period 10-25-98 to 12-07-98, 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,

E. B. Day Commissions NC 1042  
Inspector's Signature National Board, State, Province, and Endorsements

Date 2-3 19 99

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 01-22-99  
Name  
P.O. Box 1551, Raleigh, N. C. 27602-1551 Address Sheet 1 of 2
2. Plant Shearon Harris Nuclear Power Plant Unit 1  
Name  
P.O. Box 165, New Hill, N. C. 27562-0165 Address WR/JO 97-AIJA1  
Repair Organization P.O. No., Job No., etc.
3. Work Performed by Carolina Power & light Company Type Code Symbol Stamp N/A  
Name  
P.O. Box 165 New Hill, N.C. 27562-0165 Address Authorization No. N/A  
Expiration Date N/A
4. Identification of System: MAIN STEAM SYSTEM (3020) VALVE 1MS-54 ASME III, CLASS 2
5. (a) Applicable Construction Code ASME Sect. III 19 74 Edition, WINTER 1976 Addenda, N/A Code Case  
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements, 19 89, Addenda NO

6. Identification of Components Repaired and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
RELIEF VALVE 1MS-54	CROSBY VALVE & GAGE COMPANY	N57374-00-0014	849	N/A	1980	REPLACED	YES
RELIEF VALVE 1MS-54	CROSBY VALVE & GAGE COMPANY	N57374-00-0003	831	N/A	1980	REPLACEMENT	YES
STUDS (1")	DUBOSE NATIONAL ENERGY SERVICE	N/A	N/A	P/N 514-117-67 PO # 8P0467 HT CODE NAO	1997	REPLACEMENT	NO
NUTS (1")	NOVA MACHINE PRODUCTS CORP.	N/A	N/A	P/N 727-414-81 PO # 6H5809 HT # 32793	1991	REPLACEMENT	NO
							NO

7. Description of Work: REPLACED MAIN STEAM RELIEF VALVE 1MS-54 WITH REFURBISHED RELIEF VALVE.

8. Tests Conducted: Hydrostatic  Pneumatic  Nominal Operating Pressure   
Other  Pressure 952 psi Test Temp. 539 °F

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8½ in. x 11 in., (2) information in items 1 through 6 on this report is included on each sheet, and (3) each sheet is numbered and the number of sheets is recorded at the top of this form.

FORM NIS-2 (Back)

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

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp N/A

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

Signed Mark A. Pope Inspection & Test Supervisor Date 2-2, 19 99  
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of North Carolina and employed by Hartford Steam Boiler Inspection and Insurance Company of One State Street, Hartford Connecticut 06102 have inspected the components described in this Owner's Report during the period 10-25-98 to 11-29-98, 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,

EB Daulton Commissions NC 1042  
Inspector's Signature National Board, State, Province, and Endorsements

Date 2-3 19 99

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 01-21-99  
Name  
P.O. Box 1551, Raleigh, N. C. 27602-1551 Address Sheet 1 of 2
2. Plant Shearon Harris Nuclear Power Plant Unit 1  
Name  
P.O. Box 165, New Hill, N. C. 27562-0165 Address  
WR/JO 97-AIJB1  
Repair Organization P.O. No., Job No., etc.
3. Work Performed by Carolina Power & Light Company Type Code Symbol Stamp N/A  
Name  
P.O. Box 165 New Hill, N.C. 27562-0165 Address  
Authorization No. N/A  
Expiration Date N/A
4. Identification of System: MAIN STEAM SYSTEM (3020) ASME III, CLASS 2
5. (a) Applicable Construction Code ASME Sect. III 19 74 Edition, WINTER 1976 Addenda, N/A Code Case  
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 89, Addenda NO

6. Identification of Components Repaired and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
RELIEF VALVE 1MS-48	CROSBY VALVE & GAGE COMPANY	N57374-00- 0006	834	N/A	1980	REPLACED	YES
RELIEF VALVE 1MS-48	CROSBY VALVE & GAGE COMPANY	N57374-00- 0007	835	N/A	1980	REPLACEMENT	YES
STUDS (1")	DUBOSE NATIONAL ENERGY SERVICE	N/A	N/A	P/N 514-117-67 PO # 8P0467 HT CODE HAO	1997	REPLACEMENT	NO
NUTS (1")	NOVA MACHINE PRODUCTS CORP.	N/A	N/A	P/N 727-414-81 PO # 6H5809 HT # 32793	1991	REPLACEMENT	NO
STUDS (1-3/8")	DUBOSE NATIONAL ENERGY SERVICE	N/A	N/A	P/N 761-720-30 PO # 9C0386 HT CODE ABK	1998	REPLACEMENT	NO

7. Description of Work: REPLACED MAIN STEAM RELIEF VALVE 1MS-48 WITH REFURBISHED RELIEF VALVE.

8. Tests Conducted: Hydrostatic  Pneumatic  Nominal Operating Pressure   
Other  Pressure 952 psi Test Temp. 539 °F

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8½ in. x 11 in., (2) information in items 1 through 6 on this report is included on each sheet, and (3) each sheet is numbered and the number of sheets is recorded at the top of this form.

FORM NIS-2 (Back)

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

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp N/A

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

Signed Mark A. Payne Inspection & Test Supervisor Date 2-2, 19 99  
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of North Carolina and employed by Hartford Steam Boiler Inspection and Insurance Company of One State Street, Hartford Connecticut 06102 have inspected the components described in this Owner's Report during the period 10-25-98 to 11-26-98, 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.

EB Dwyer Commissions NC 1042  
Inspector's Signature National Board, State, Province, and Endorsements

Date 2-3 19 99

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 01-22-99  
 Name  
P.O. Box 1551, Raleigh, N. C. 27602-1551 Sheet 1 of 2  
 Address
2. Plant Shearon Harris Nuclear Power Plant Unit 1  
 Name  
P.O. Box 165, New Hill, N. C. 27562-0165 WR/JO 97-A12F1  
 Address Repair Organization P.O. No., Job No., etc.
3. Work Performed by Carolina Power & Light Company Type Code Symbol Stamp N/A  
 Name  
P.O. Box 165 New Hill, N.C. 27562-0165 Authorization No. N/A  
 Address Expiration Date N/A
4. Identification of System: 3050- FEEDWATER SYSTEM VALVE 1FW-158 ASME III, CLASS 2
5. (a) Applicable Construction Code ASME Sect. III 19 74 Edition, WINTER 1976 Addenda, N/A Code Case  
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 89, Addenda NO
6. Identification of Components Repaired and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
PIVOT PIN	BW/IP INTERNATIONAL, INC.	N/A	N/A	P/N 724-915-66 PO # 9C4075 HT.# 207S261	1998	REPLACEMENT	NO

7. Description of Work: REPLACED PIVOT PIN AND REPLACED SEAL WELD BETWEEN PIVOT PIN AND CANOPY SEAL. VALVE 1FW-158.
8. Tests Conducted: Hydrostatic  Pneumatic  Nominal Operating Pressure   
 Other  Pressure 975 psi Test Temp. 363 °F

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8½ in. x 11 in., (2) information in items 1 through 6 on this report is included on each sheet, and (3) each sheet is numbered and the number of sheets is recorded at the top of this form.

FORM NIS-2 (Back)

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

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp N/A

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

Signed Muh a Ag Inspection & Test Supervisor Date 2-2, 19 99  
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of North Carolina and employed by Hartford Steam Boiler Inspection and Insurance Company of One State Street, Hartford Connecticut 06102 have inspected the components described in this Owner's Report during the period 11-01-98 to 11-26-98, 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 NC 1042  
National Board, State, Province, and Endorsements

Date \_\_\_\_\_ 19 \_\_\_\_\_

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 01-05-99  
Name  
P.O. Box 1551, Raleigh, N. C. 27602-1551 Sheet 1 of 2  
Address
2. Plant Shearon Harris Nuclear Power Plant Unit 1  
Name  
P.O. Box 165, New Hill, N. C. 27562-0165 WR/JO 97-A1ZG1  
Address Repair Organization P.O. No., Job No., etc.
3. Work Performed by Carolina Power & Light Company Type Code Symbol Stamp N/A  
Name  
P.O. Box 165 New Hill, N.C. 27562-0165 Authorization No. N/A  
Address Expiration Date N/A
4. Identification of System: 3050-Feedwater System ASME III, CLASS 2
5. (a) Applicable Construction Code ASME Sect. III 19 74 Edition, WINTER 1976 Addenda, N/A Code Case  
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 89, Addenda NO
6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
Canopy Seal	BW/IP Internat.	N/A	N/A	P.O.8P1362 Ht.# 98141	1997	Replacement	No
Body Studs	Borg Warner Corporation	N/A	N/A	PO435193,2GG8B4 Ht.# 630	1980	Replacement	No
Hex Nut	Borg Warner Corporation	N/A	N/A	PO435193,2GG8B2 P/N 724-047-42	1980	Replacement	No

7. Description of Work: Canopy Seal, Body Studs & Hex Nut replaced on valve 1FW-216.

8. Tests Conducted: Hydrostatic  Pneumatic  Nominal Operating Pressure   
Other  Pressure 900 psi Test Temp. 431 °F

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8½ in. x 11 in., (2) information in items 1 through 6 on this report is included on each sheet, and (3) each sheet is numbered and the number of sheets is recorded at the top of this form.



FORM NIS-2 (Back)

9. Remarks: Applicable records are maintained in the plant vault and turnover package.  
Applicable Manufacturer's Date Reports to be attached  
Ref. Code Case N416-1

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp N/A

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

Signed Mark A Pgm Inspection & Test Supervisor Date 1/08, 19 99  
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of North Carolina and employed by Hartford Steam Boiler Inspection and Insurance Company of One State Street, Hartford Connecticut 06102 have inspected the components described in this Owner's Report during the period 10-29-98 to 12-15-98, 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,

SB Dyer Commissions NC 1042  
Inspector's Signature National Board, State, Province, and Endorsements

Date Jan 12 19 99

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 12/18/98  
Name  
P.O. Box 1551, Raleigh, N. C. 27602-1551 Sheet 1 of 2  
Address
2. Plant Shearon Harris Nuclear Power Plant Unit 1  
Name  
P.O. Box 165, New Hill, N. C. 27562-0165 WR/JO 97-AJIK6  
Address Repair Organization P.O. No., Job No., etc.
3. Work Performed by Carolina Power & light Company Type Code Symbol Stamp N/A  
Name  
P.O. Box 165 New Hill, N.C. 27562-0165 Authorization No. N/A  
Address Expiration Date N/A
4. Identification of System: 3050-Feedwater System ASME III, CLASS 2
5. (a) Applicable Construction Code ASME Sect. III 19 74 Edition, WINTER 1976 Addenda, N/A Code Case  
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 89, Addenda NO

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
FW-135.002 16" Piping	Southwest Fab.&Welding	N/A	N/A	Line Number 2FW16-67SN-1	1979	Repair	No

7. Description of Work: Removed component FW-135.002 on line 2FW16-67SN-1 for weld build-up due to FAC.

8. Tests Conducted: Hydrostatic  Pneumatic  Nominal Operating Pressure   
Other  Pressure 1080 psi Test Temp. 556 °F

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 9 1/2 in. x 11 in., (2) information in items 1 through 6 on this report is included on each sheet, and (3) each sheet is numbered and the number of sheets is recorded at the top of this form.

FORM NIS-2 (Back)

9. Remarks: Applicable records are maintained in the plant vault and turnover package.  
Applicable Manufacturer's Date Reports to be attached
- Piping component FW-135.002 on line 2FW16-67SN-1 at welds 1-FW-135-1-VW-3 and 1-FW-135-1-VW-4 was removed for  
weld build-up repairs due to results of the FAC program.
- Reference Code Case N416-1.

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp N/A

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

Signed Much a Pym Inspection & Test Supervisor Date 1/04, 19 99  
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of North Carolina and employed by Hartford Steam Boiler Inspection and Insurance Company of One State Street, Hartford Connecticut 06102 have inspected the components described in this Owner's Report during the period 11-10-99 to 11-22-99, 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,

EB Dwyer Commissions NC 1042  
Inspector's Signature National Board, State, Province, and Endorsements

Date JAN 6 19 99

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 12/16/98  
Name  
P.O. Box 1551, Raleigh, N. C. 27602-1551 Sheet 1 of 2  
Address
2. Plant Shearon Harris Nuclear Power Plant Unit 1  
Name  
P.O. Box 165, New Hill, N. C. 27562-0165 WR/JO 97-AJLB1  
Address Repair Organization P.O. No., Job No., etc.
3. Work Performed by Carolina Power & Light Company Type Code Symbol Stamp N/A  
Name  
P.O. Box 165 New Hill, N.C. 27562-0165 Authorization No. N/A  
Address Expiration Date N/A
4. Identification of System: 2080-High Head Safety Injection System ASME III, CLASS 2
5. (a) Applicable Construction Code ASME Sect. III 19 74 Edition, WINTER 1976 Addenda, N/A Code Case  
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 89, Addenda NO
6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
SI-H-10 Hanger	COLOC Industries	N/A	N/A	P.O.8N6129 P/N 732-862-88	1997	Replacement	No

7. Description of Work: Replaced (4) Lock Nuts on hanger SI-H-10. Removed to provide access for ISI Exams.
8. Tests Conducted: Hydrostatic  Pneumatic  Nominal Operating Pressure   
Other  Pressure N/A psi Test Temp. N/A °F

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8½ in. x 11 in., (2) information in items 1 through 6 on this report is included on each sheet, and (3) each sheet is numbered and the number of sheets is recorded at the top of this form.

FORM NIS-2 (Back)

9. Remarks: Applicable records are maintained in the plant vault and turnover package.  
Applicable Manufacturer's Date Reports to be attached

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp N/A

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

Signed Mark A. P... Inspection & Test Supervisor Date 12/29, 19 98  
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of North Carolina and employed by Hartford Steam Boiler Inspection and Insurance Company of One State Street, Hartford Connecticut 06102 have inspected the components described in this Owner's Report during the period 10-30-98 to 11-12-98, 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.

RB Dwyer Commissions NC 1042  
Inspector's Signature National Board, State, Province, and Endorsements

Date Jan 5 19 99

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 02-01-99  
Name  
P.O. Box 1551, Raleigh, N. C. 27602-1551 Sheet 1 of 2  
Address
2. Plant Shearon Harris Nuclear Power Plant Unit 1  
Name  
P.O. Box 165, New Hill, N. C. 27562-0165 WR/JO 97-AJNB1  
Address Repair Organization P.O. No., Job No., etc.
3. Work Performed by Carolina Power & light Company Type Code Symbol Stamp N/A  
Name  
P.O. Box 165 New Hill, N.C. 27562-0165 Authorization No. N/A  
Address Expiration Date N/A
4. Identification of System: 3005 - STEAM GENERATOR "B" ASME III, CLASS 2
5. (a) Applicable Construction Code ASME Sect. III 19 74 Edition, WINTER 1976 Addenda, N/A Code Case  
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 89, Addenda NO
6. Identification of Components Repaired and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
MANWAY STUD	MACKSON, INC	11	N/A	P/N 731-556-32 PO # 1H2885	1995	REPLACEMENT	NO

7. Description of Work: REPLACED STUD NO. 10 IN THE "B" STEAM GENERATOR HOT LEG.
8. Tests Conducted: Hydrostatic  Pneumatic  Nominal Operating Pressure   
Other  Pressure N/A psi Test Temp. N/A °F

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8½ in. x 11 in., (2) information in items 1 through 6 on this report is included on each sheet, and (3) each sheet is numbered and the number of sheets is recorded at the top of this form.

FORM NIS-2 (Back)

9. Remarks: THE STUD IN POSITION 10 OF THE "B" STEAM GENERATOR HOT LEG WAS REPLACED BECAUSE THE SERIAL NUMBER OF THE EXISTING  
Applicable Manufacturer's Date Reports to be attached

STUD WAS NOT LEGIBLE.

PRESSURE TESTING NOT REQUIRED PER CODE INTERPRETATION XI-1-95-52.

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp N/A

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

Signed Mark A. Payne Inspection & Test Supervisor Date 2-4, 19 99  
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the  
State or Province of North Carolina and employed by Hartford Steam Boiler Inspection and Insurance Company of  
One State Street, Hartford Connecticut 06102 have inspected the components described  
in this Owner's Report during the period 11-01-98 to 11-27-98, 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,

SB Payne Commissions NC 1042  
Inspector's Signature National Board, State, Province, and Endorsements

Date FEB 8 19 99

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 01-05-99  
Name  
P.O. Box 1551, Raleigh, N. C. 27602-1551 Sheet 1 of 2  
Address
2. Plant Shearon Harris Nuclear Power Plant Unit 1  
Name  
P.O. Box 165, New Hill, N. C. 27562-0165 WR/JO 97-AJZW1  
Address Repair Organization P.O. No., Job No., etc.
3. Work Performed by Carolina Power & Light Company Type Code Symbol Stamp N/A  
Name  
P.O. Box 165 New Hill, N.C. 27562-0165 Authorization No. N/A  
Address Expiration Date N/A
4. Identification of System: AUXILIARY FEEDWATER ASME III, CLASS 2
5. (a) Applicable Construction Code ASME Sect. III 19 74 Edition, WINTER 1976 Addenda, N/A Code Case  
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 89, Addenda NO
6. Identification of Components Repaired 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)
ZAF-V163SAB-1 BONNET WELD REPAIR.	ITT-GRINNELL	78/4001/110-112	91	FW-1, VALVE 1AF-153 BONNET BONNET HT65981-2	1982	REPAIRED (SEE REMARKS)	YES

7. Description of Work: REPAIRED STEAM CUT IN BONNET OF VALVE 1AF-153 BY WELDING
8. Tests Conducted: Hydrostatic  Pneumatic  Nominal Operating Pressure   
Other  Pressure \_\_\_\_\_ psi Test Temp. \_\_\_\_\_ °F SEE REMARKS

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8½ in. x 11 in., (2) information in items 1 through 6 on this report is included on each sheet, and (3) each sheet is numbered and the number of sheets is recorded at the top of this form.



FORM NIS-2 (Back)

9. Remarks: REPAIRED STEAM CUT ON VALVE BONNET BY WELDING. VALVE HAD BEEN LEAK REPAIRED DURING CYCLE 7.  
Applicable Manufacturer's Date Reports to be attached

PRESSURE TEST PERFORMED AND LEAKAGE IDENTIFIED UNRELATED TO WELD REPAIR. WR/JO 98-AIFK1 WRITTEN TO LEAK REPAIR

VALVE. WR/JO 98-AIGU1 WRITTEN TO REPAIR VALVE DURING NEXT REFUELING OUTAGE.

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp N/A

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

Signed Mark A. Perry Inspection & Test Supervisor Date 1/08, 19 99  
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of North Carolina and employed by Hartford Steam Boiler Inspection and Insurance Company of One State Street, Hartford Connecticut 06102 have inspected the components described in this Owner's Report during the period 11-07-98 to 11-11-98, 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.

RB Dyer Commissions NC 1042  
Inspector's Signature National Board, State, Province, and Endorsements

Date JAN 12 19 99

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 01-22-99  
Name  
P.O. Box 1551, Raleigh, N. C. 27602-1551 Sheet 1 of 2  
Address
2. Plant Shearon Harris Nuclear Power Plant Unit 1  
Name  
P.O. Box 165, New Hill, N. C. 27562-0165 WR/JO 97-AKSY1  
Address Repair Organization P.O. No., Job No., etc.
3. Work Performed by Carolina Power & Light Company Type Code Symbol Stamp N/A  
Name  
P.O. Box 165 New Hill, N.C. 27562-0165 Authorization No. N/A  
Address Expiration Date N/A
4. Identification of System: 3065- AUXILIARY FEEDWATER SYSTEM VALVE 1AF-157 ASME III, CLASS 2
5. (a) Applicable Construction Code ASME Sect. III 19 74 Edition, WINTER 1976 Addenda, N/A Code Case  
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 89, Addenda NO

6. Identification of Components Repaired and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
VALVE BODY	HAMMEL DAHL	78/4001/111	91	EBASCO VALVE NO. 2AF-V165SAB-1	1982	REPAIRED	YES

7. Description of Work: PERFORMED MINOR WELD REPAIR ON THREE STEAM CUT AREAS IN BONNET SEALING AREA OF VALVE BODY. TAG #1AF-157

8. Tests Conducted: Hydrostatic  Pneumatic  Nominal Operating Pressure   
Other  Pressure 880 psi Test Temp. 431 °F

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8½ in. x 11 in., (2) information in items 1 through 6 on this report is included on each sheet, and (3) each sheet is numbered and the number of sheets is recorded at the top of this form.

FORM NIS-2 (Back)

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

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp N/A

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

Signed Mark A. Papp Inspection & Test Supervisor Date 2-2, 19 99  
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of North Carolina and employed by Hartford Steam Boiler Inspection and Insurance Company of One State Street, Hartford Connecticut 06102 have inspected the components described in this Owner's Report during the period 11-06-99 to 01-22-99, 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,

EB Noyte Commissions NC 1042  
Inspector's Signature National Board, State, Province, and Endorsements

Date 2-3-99 19 \_\_\_\_\_

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 02-01-99  
Name  
P.O. Box 1551, Raleigh, N. C. 27602-1551 Address Sheet 1 of 2
2. Plant Shearon Harris Nuclear Power Plant Unit 1  
Name  
P.O. Box 165, New Hill, N. C. 27562-0165 Address WR/JO 98-ABFJ1  
Repair Organization P.O. No., Job No., etc.
3. Work Performed by Carolina Power & Light Company Type Code Symbol Stamp N/A  
Name  
P.O. Box 165 New Hill, N.C. 27562-0165 Address Authorization No. N/A  
Expiration Date N/A
4. Identification of System: 3010 - STEAM GENERATOR BLOWDOWN SYSTEM ASME III, CLASS 2
5. (a) Applicable Construction Code ASME Sect. III 19 74 Edition, WINTER 1976 Addenda, N/A Code Case  
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 89, Addenda NO
6. Identification of Components Repaired and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
PLUG ASSEMBLY	HAMMEL DAHL	N/A	N/A	PLUG HT. 1G5843 PLUG COVER HT. 1G6181	1987	REPLACEMENT	NO
PLUG ASSEMBLY	HAMMEL DAHL	N/A	N/A	MARK NO. 122441	1982	REPLACED	NO

7. Description of Work: REPLACED PLUG AND STEM ASSEMBLY AND CAGE IN VALVE TAG NUMBER 18D-11.
8. Tests Conducted: Hydrostatic  Pneumatic  Nominal Operating Pressure   
Other  Pressure N/A psi Test Temp. N/A °F

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8½ in. x 11 in., (2) information in items 1 through 6 on this report is included on each sheet, and (3) each sheet is numbered and the number of sheets is recorded at the top of this form.

FORM NIS-2 (Back)

9. Remarks: NO PRESSURE TEST REQUIRED PER CODE INTERPRETATION XI-1-95-48 FOR THE REPLACEMENT OF INTERNAL PRESSURE BOUNDARY PARTS.  
Applicable Manufacturer's Date Reports to be attached

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp N/A

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

Signed Mark A. Parn Inspection & Test Supervisor Date 2-4, 19 99  
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the  
State or Province of North Carolina and employed by Hartford Steam Boiler Inspection and Insurance Company of  
One State Street, Hartford Connecticut 06102 have inspected the components described  
in this Owner's Report during the period 10-25-98 to 10-30-98, 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,

RB Dwyer Commissions NC 1042  
Inspector's Signature National Board, State, Province, and Endorsements

Date FEB 8 19 99

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 10-28-99  
Name  
P.O. Box 1551, Raleigh, N. C. 27602-1551 Sheet 1 of 2  
Address
2. Plant Shearon Harris Nuclear Power Plant Unit 1  
Name  
P.O. Box 165, New Hill, N. C. 27562-0165 WR/JO 98-ABFK1  
Address Repair Organization P.O. No., Job No., etc.
3. Work Performed by Carolina Power & Light Company Type Code Symbol Stamp N/A  
Name  
P.O. Box 165 New Hill, N.C. 27562-0165 Authorization No. N/A  
Address Expiration Date N/A
4. Identification of System: 3010 - STEAM GENERATOR BLOWDOWN SYSTEM ASME III, CLASS 2
5. (a) Applicable Construction Code ASME Sect. III 19 74 Edition, WINTER 1976 Addenda, N/A Code Case  
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 89, Addenda NO

6. Identification of Components Repaired and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
PLUG/STEM ASSEMBLY	HAMMEL DAHL, INC	N/A	N/A	P/N 728-649-78 PO # 418771	1987	REPLACEMENT	NO

7. Description of Work: REPLACED PLUG/STEM ASSEMBLY AND CAGE IN VALVE TAG NUMBER 1BD-30.
8. Tests Conducted: Hydrostatic  Pneumatic  Nominal Operating Pressure   
Other  Pressure N/A psi Test Temp. N/A °F

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8½ in. x 11 in., (2) information in items 1 through 6 on this report is included on each sheet, and (3) each sheet is numbered and the number of sheets is recorded at the top of this form.

FORM NIS-2 (Back)

9. Remarks: PLUG/STEM ASSEMBLY CONSISTED OF PLUG COVER PLATE, HT. # 1G3875; PLUG BODY, HT. # 91506; PLUG STEM, HT. # A18023; AND  
Applicable Manufacturer's Date Reports to be attached  
PLUG INSERT, HT. # 181041087.

PER CODE INTERPRETATION XI-1-95-48, PRESSURE TESTING IS NOT REQUIRED FOR THIS REPLACEMENT.

CERTIFICATE 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 Mark A. Payne Inspection & Test Supervisor Date 2-2, 19 99  
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of North Carolina and employed by Hartford Steam Boiler Inspection and Insurance Company of One State Street, Hartford Connecticut 06102 have inspected the components described in this Owner's Report during the period 10-25-98 to 10-29-98, 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.

EB Dayte Commissions NC 1042  
Inspector's Signature National Board, State, Province, and Endorsements

Date 2-4 19 99

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 01-28-99  
Name  
P.O. Box 1551, Raleigh, N. C. 27602-1551 Sheet 1 of 2  
Address
2. Plant Shearon Harris Nuclear Power Plant Unit 1  
Name  
P.O. Box 165, New Hill, N. C. 27562-0165 WR/JO 98-ABJJ1  
Address Repair Organization P.O. No., Job No., etc.
3. Work Performed by Carolina Power & Light Company Type Code Symbol Stamp N/A  
Name  
P.O. Box 165 New Hill, N.C. 27562-0165 Authorization No. N/A  
Address Expiration Date N/A
4. Identification of System: 2060 CHEMICAL AND VOLUME CONTROL SYSTEM ASME III, CLASS 2
5. (a) Applicable Construction Code ASME Sect. III 19 74 Edition, WINTER 1976 Addenda, N/A Code Case  
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 89, Addenda NO
6. Identification of Components Repaired and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
TRIM ASSEMBLY	COPEs-VULCAN, INC.	9821-96639-1-1	98-1	P/N 961-718-59 PO # 9C0304	1998	REPLACEMENT	YES
TRIM ASSEMBLY	COPEs-VULCAN, INC.	2606	N/A	VALVE 2CS-V501SN-1	1975	REPLACED	NO

7. Description of Work: REPLACED TRIM ASSEMBLY IN COPEs-VULCAN VALVE TAG NUMBER 1CS-487.

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

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8½ in. x 11 in., (2) information in items 1 through 6 on this report is included on each sheet, and (3) each sheet is numbered and the number of sheets is recorded at the top of this form.



FORM NIS-2 (Back)

9. Remarks: TRIM ASSEMBLY CONSISTS OF PLUG S/N 98-1; STEM S/N 98-3; AND CAGE S/N 98-2.  
Applicable Manufacturer's Date Reports to be attached  
PER CODE INTERPRETATION XI-1-95-48, NO PRESSURE TESTING IS REQUIRED FOR REPLACEMENT OF INTERNAL PRESSURE BOUNDARY PARTS.  
VALVE SERIAL NUMBER 7310-95282-201-1, NATIONAL BOARD NUMBER 277.

CERTIFICATE 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 Mark A. Payne Inspection & Test Supervisor Date 2-2, 19 99  
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of North Carolina and employed by Hartford Steam Boiler Inspection and Insurance Company of One State Street, Hartford Connecticut 06102 have inspected the components described in this Owner's Report during the period 11-01-98 to 11-25-98, 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.

EB Dayt Commissions NC 1042  
Inspector's Signature National Board, State, Province, and Endorsements  
Date 2-4 19 99

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 01-25-99  
Name  
P.O. Box 1551, Raleigh, N. C. 27602-1551 Address Sheet 1 of 2
2. Plant Shearon Harris Nuclear Power Plant Unit 1  
Name  
P.O. Box 165, New Hill, N. C. 27562-0165 Address WR/JO 98-ABRF1  
Repair Organization P.O. No., Job No., etc.
3. Work Performed by Carolina Power & Light Company Type Code Symbol Stamp N/A  
Name  
P.O. Box 165 New Hill, N.C. 27562-0165 Address Authorization No. N/A  
Expiration Date N/A
4. Identification of System: 3020- MAIN STEAM VALVE 1MS-51 ASME III, CLASS 2
5. (a) Applicable Construction Code ASME Sect. III 19 74 Edition, WINTER 1976 Addenda, N/A Code Case  
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 89, Addenda NO
6. Identification of Components Repaired and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
DISK	CROSBY VALVE & GAGE COMPANY	N91167-33-0052	N/A	N/A	1980	REPLACED	NO

7. Description of Work: VALVE REFURBISHED BY CROSBY. DISK INSERT REPLACED DURING REFURBISHMENT. VALVE 1MS-51.

8. Tests Conducted: Hydrostatic  Pneumatic  Nominal Operating Pressure   
Other  Pressure 952 psi Test Temp. 539 °F

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8½ in. x 11 in., (2) information in items 1 through 6 on this report is included on each sheet, and (3) each sheet is numbered and the number of sheets is recorded at the top of this form.

FORM NIS-2 (Back)

9. Remarks: VALVE SERIAL NUMBER N57374-00-0009, NATIONAL BOARD NUMBER 837, BUILT IN 1980.  
Applicable Manufacturer's Date Reports to be attached

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp N/A

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

Signed Mark A. Fox Inspection & Test Supervisor Date 2-2, 19 99  
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of North Carolina and employed by Hartford Steam Boiler Inspection and Insurance Company of One State Street, Hartford Connecticut 06102 have inspected the components described in this Owner's Report during the period 10-25-98 to 12-03-98, 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,

W. B. Dayte Commissions NC 1042  
Inspector's Signature National Board, State, Province, and Endorsements

Date 2-5 19 99

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 12/15/98  
Name  
P.O. Box 1551, Raleigh, N. C. 27602-1551 Sheet 1 of 2  
Address
2. Plant Shearon Harris Nuclear Power Plant Unit 1  
Name  
P.O. Box 165, New Hill, N. C. 27562-0165 WR/JO 98-ACMC1  
Address Repair Organization P.O. No., Job No., etc.
3. Work Performed by Carolina Power & light Company Type Code Symbol Stamp N/A  
Name  
P.O. Box 165 New Hill, N.C. 27562-0165 Authorization No. N/A  
Address Expiration Date N/A
4. Identification of System: 2060-Chemical and Volume Control System ASME III, CLASS 2
5. (a) Applicable Construction Code ASME Sect. III 19 74 Edition, WINTER 1976 Addenda, N/A Code Case  
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 89, Addenda NO
6. Identification of Components Repaired 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)
1CS-261	Kerotest Mfg. Corp.	DAP6-11	31821	N/A	1984	Replaced	Yes
1CS-261	Kerotest Mfg. Corp.	Disc.Assy. S/N AJU5-5	37031	P/N 724-135-60	1984	Replacement	Yes

7. Description of Work: Replaced existing disc with new disc assembly. Ref. WR/JO 96-AACI2. (See comments)

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

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8½ in. x 11 in., (2) information in items 1 through 6 on this report is included on each sheet, and (3) each sheet is numbered and the number of sheets is recorded at the top of this form.

FORM NIS-2 (Back)

9. Remarks: Applicable records are maintained in the plant vault and turnover package.  
Applicable Manufacturer's Date Reports to be attached

NOTE: The purpose of this NIS-2 Form is to document the serial number of the replacement disc assembly for valve  
ICS-261 as required by CR 97-03418 and previous WR/JO 96-AAC12.

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp N/A

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

Signed Mark a Pop Inspection & Test Supervisor Date 12/29, 19 98  
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of North Carolina and employed by Hartford Steam Boiler Inspection and Insurance Company of One State Street, Hartford Connecticut 06102 have inspected the components described in this Owner's Report during the period 11-1-98 to 11-12-98, 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.

EB Doughty Commissions NC 1042  
Inspector's Signature National Board, State, Province, and Endorsements

Date JAN 4 19 99

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 01-25-99  
Name  
P.O. Box 1551, Raleigh, N. C. 27602-1551 Sheet 1 of 2  
Address
2. Plant Shearon Harris Nuclear Power Plant Unit 1  
Name  
P.O. Box 165, New Hill, N. C. 27562-0165 WR/JO 98-ACNW1  
Address Repair Organization P.O. No., Job No., etc.
3. Work Performed by Carolina Power & Light Company Type Code Symbol Stamp N/A  
Name  
P.O. Box 165 New Hill, N.C. 27562-0165 Authorization No. N/A  
Address Expiration Date N/A
4. Identification of System: 2060- CHEMICAL AND VOLUME CONTROL SYSTEM ASME III, CLASS 2
5. (a) Applicable Construction Code ASME Sect. III 19 74 Edition, WINTER 1976 Addenda, N/A Code Case  
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 89, Addenda NO

6. Identification of Components Repaired and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
DIAPHRAGM	ITT GRINNELL CORP.	N/A	N/A	P/N 514-124-84 PO # 9C8374	1998	REPLACEMENT	NO

7. Description of Work: REPLACED DIAPHRAGM IN VALVE DUE TO END OF LIFE OF DIAPHRAGM. VALVE TAG NO. 1CS-155
8. Tests Conducted: Hydrostatic  Pneumatic  Nominal Operating Pressure   
Other  Pressure N/A psi Test Temp. N/A °F

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8½ in. x 11 in., (2) information in items 1 through 6 on this report is included on each sheet, and (3) each sheet is numbered and the number of sheets is recorded at the top of this form.

FORM NIS-2 (Back)

9. Remarks: VALVE TAG NUMBER 1CS-155, SERIAL NUMBER 73-6225-11-2, NATIONAL BOARD NUMBER WR 1963.  
Applicable Manufacturer's Date Reports to be attached

PRESSURE TESTING NOT REQUIRED PER CODE INTERPRETATION XI-1-95-48 FOR REPLACEMENT OF INTERNAL PRESSURE BOUNDARY PARTS.

CERTIFICATE 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 Mark A. Papp Inspection & Test Supervisor Date 2-2, 19 99  
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of North Carolina and employed by Hartford Steam Boiler Inspection and Insurance Company of One State Street, Hartford Connecticut 06102 have inspected the components described in this Owner's Report during the period 11-03-98 to 11-29-98, 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,

EB Daulton Commissions NC 1042  
Inspector's Signature National Board, State, Province, and Endorsements

Date 2-5 19 99

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 01-18-99  
Name  
P.O. Box 1551, Raleigh, N. C. 27602-1551 Sheet 1 of 2  
Address
2. Plant Shearon Harris Nuclear Power Plant Unit 1  
Name  
P.O. Box 165, New Hill, N. C. 27562-0165 WR/JO 98-ACNW3  
Address Repair Organization P.O. No., Job No., etc.
3. Work Performed by Carolina Power & Light Company Type Code Symbol Stamp N/A  
Name  
P.O. Box 165 New Hill, N.C. 27562-0165 Authorization No. N/A  
Address Expiration Date N/A
4. Identification of System: CHEMICAL AND VOLUME CONTROL SYSTEM (2060) ASME III, CLASS 2
5. (a) Applicable Construction Code ASME Sect. III 19 74 Edition, WINTER 1976 Addenda, N/A Code Case  
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 89, Addenda NO

6. Identification of Components Repaired and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
COLOC NUT (3/8")	COLOC INDUSTRIES	N/A	N/A	P/N 732-863-38 PO # 8K8849	1996	REPLACEMENT	NO

7. Description of Work: REPLACED COLOC NUT ON HANGER 1CS-H-1394 REMOVED FOR REPAIR OF VALVE 1CS-155

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

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8½ in. x 11 in., (2) information in items 1 through 6 on this report is included on each sheet, and (3) each sheet is numbered and the number of sheets is recorded at the top of this form.



FORM NIS-2 (Back)

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

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp N/A

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

Signed Mark A. P... Inspection & Test Supervisor Date 1-20, 19 99  
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of North Carolina and employed by Hartford Steam Boiler Inspection and Insurance Company of One State Street, Hartford Connecticut 06102 have inspected the components described in this Owner's Report during the period 11-03-98 to 12-01-98, 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.

EB Dwyer Commissions NC 1042  
Inspector's Signature National Board, State, Province, and Endorsements

Date 1-26 19 99

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 01-25-99  
Name  
P.O. Box 1551, Raleigh, N. C. 27602-1551 Sheet 1 of 2  
Address
2. Plant Shearon Harris Nuclear Power Plant Unit 1  
Name  
P.O. Box 165, New Hill, N. C. 27562-0165 WR/JO 98-ACNX1  
Address Repair Organization P.O. No., Job No., etc.
3. Work Performed by Carolina Power & light Company Type Code Symbol Stamp N/A  
Name  
P.O. Box 165 New Hill, N.C. 27562-0165 Authorization No. N/A  
Address Expiration Date N/A
4. Identification of System: 2060- CHEMICAL AND VOLUME CONTROL SYSTEM ASME III, CLASS 2
5. (a) Applicable Construction Code ASME Sect. III - 19 74 Edition, WINTER 1976 Addenda, N/A Code Case  
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 89, Addenda NO

6. Identification of Components Repaired and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
DIAPHRAGM	ITT GRINNELL CORP.	N/A	N/A	P/N 514-124-84 PO # 9C8374	1998	REPLACEMENT	NO

7. Description of Work: REPLACED DIAPHRAGM IN VALVE DUE TO END OF LIFE OF DIAPHRAGM. VALVE TAG NO. 1CS-156

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

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8½ in. x 11 in., (2) information in items 1 through 6 on this report is included on each sheet, and (3) each sheet is numbered and the number of sheets is recorded at the top of this form.

FORM NIS-2 (Back)

9. Remarks: VALVE TAG NUMBER 1CS-156, SERIAL NUMBER 73-6225-11-1, NATIONAL BOARD NUMBER WR 1944.  
Applicable Manufacturer's Date Reports to be attached  
PRESSURE TESTING NOT REQUIRED PER CODE INTERPRETATION XI-1-95-48 FOR REPLACEMENT OF INTERNAL PRESSURE BOUNDARY PARTS.

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp N/A

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

Signed [Signature] Inspection & Test Supervisor Date 2-2, 19 99  
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of North Carolina and employed by Hartford Steam Boiler Inspection and Insurance Company of One State Street, Hartford Connecticut 06102 have inspected the components described in this Owner's Report during the period 11-03-98 to 11-29-98, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

[Signature] Commissions NC 1042  
Inspector's Signature National Board, State, Province, and Endorsements

Date 2-5 19 99

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 01-18-99  
Name  
P.O. Box 1551, Raleigh, N. C. 27602-1551 Sheet 1 of 2  
Address
2. Plant Shearon Harris Nuclear Power Plant Unit 1  
Name  
P.O. Box 165, New Hill, N. C. 27562-0165 WR/JO 98-ACNX3  
Address Repair Organization P.O. No., Job No., etc.
3. Work Performed by Carolina Power & Light Company Type Code Symbol Stamp N/A  
Name  
P.O. Box 165 New Hill, N.C. 27562-0165 Authorization No. N/A  
Address Expiration Date N/A
4. Identification of System: CHEMICAL AND VOLUME CONTROL SYSTEM (2060) ASME III, CLASS 2
5. (a) Applicable Construction Code ASME Sect. III 19 74 Edition, WINTER 1976 Addenda, N/A Code Case  
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 89, Addenda NO

6. Identification of Components Repaired and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
COLOC NUT (3/8")	COLOC INDUSTRIES	N/A	N/A	P/N 732-863-38 PO # 8K8849	1996	REPLACEMENT	NO

7. Description of Work: REPLACED COLOC NUT ON HANGER 1CS-H-1395 REMOVED FOR REPAIR OF VALVE 1CS-156

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

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8½ in. x 11 in., (2) information in items 1 through 6 on this report is included on each sheet, and (3) each sheet is numbered and the number of sheets is recorded at the top of this form.

FORM NIS-2 (Back)

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

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp N/A

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

Signed Mark A. Pige Inspection & Test Supervisor Date 1-20, 19 99  
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of North Carolina and employed by Hartford Steam Boiler Inspection and Insurance Company of One State Street, Hartford Connecticut 06102 have inspected the components described in this Owner's Report during the period 11-03-98 to 12-01-98, 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,

EB Dault Commissions NC 1042  
Inspector's Signature National Board, State, Province, and Endorsements

Date 1-26 19 99

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 12/17/98  
Name  
P.O. Box 1551, Raleigh, N. C. 27602-1551 Address Sheet 1 of 2
2. Plant Shearon Harris Nuclear Power Plant Unit 1  
Name  
P.O. Box 165, New Hill, N. C. 27562-0165 Address  
WR/JO 98-ACNY1  
Repair Organization P.O. No., Job No., etc.
3. Work Performed by Carolina Power & Light Company Type Code Symbol Stamp N/A  
Name  
P.O. Box 165 New Hill, N.C. 27562-0165 Address  
Authorization No. N/A  
Expiration Date N/A
4. Identification of System: 2060-Chemical and Volume Control System ASME III, CLASS 2
5. (a) Applicable Construction Code ASME Sect. III 19 74 Edition, WINTER 1976 Addenda, N/A Code Case  
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 89, Addenda NO
6. Identification of Components Repaired 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 1CS-318	Colonial Rubber Co.	N/A	N/A	Diaphragm EPDM P.O. 8N5082	1997	Replacement	No

7. Description of Work: Replaced diaphragm on valve 1CS-318. End of life. P/N 722-838-72.

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

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8½ in. x 11 in., (2) information in items 1 through 6 on this report is included on each sheet, and (3) each sheet is numbered and the number of sheets is recorded at the top of this form.

FORM NIS-2 (Back)

9. Remarks: Applicable records are maintained in the plant vault and turnover package.  
Applicable Manufacturer's Date Reports to be attached

NO PRESSURE TESTING REQUIRED PER CODE INTERPRETATION XI-1-95-48

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp N/A

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

Signed Mark A. Pope Inspection & Test Supervisor Date 1/04, 19 97  
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of North Carolina and employed by Hartford Steam Boiler Inspection and Insurance Company of One State Street, Hartford Connecticut 06102 have inspected the components described in this Owner's Report during the period 10-31-98 to 11-09-98, 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.

Mark A. Pope Commissions NC 1042  
Inspector's Signature National Board, State, Province, and Endorsements

Date Jan 6 19 99

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 12-15-98  
Name  
P.O. Box 1551, Raleigh, N. C. 27602-1551 Sheet 1 of 2  
Address
2. Plant Shearon Harris Nuclear Power Plant Unit 1  
Name  
P.O. Box 165, New Hill, N. C. 27562-0165 WR/JO 98-ACPA1  
Address Repair Organization P.O. No., Job No., etc.
3. Work Performed by Carolina Power & Light Company Type Code Symbol Stamp N/A  
Name  
P.O. Box 165 New Hill, N.C. 27562-0165 Authorization No. N/A  
Address Expiration Date N/A
4. Identification of System: CHEMICAL AND VOLUME CONTROL ASME III, CLASS 2
5. (a) Applicable Construction Code ASME Sect. III 19 74 Edition, WINTER 1976 Addenda, N/A Code Case  
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 89, Addenda NO
6. Identification of Components Repaired 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 DIAPHRAGM FOR 2CS-D546SN-1	ACUSHNET	N/A	N/A	N/A	N/A	REPLACED	NO
VALVE DIAPHRAGM FOR 2CS-D546SN-1	COLONIAL	N/A	N/A	CP&L PART # 722-838-72 PO# 8M3189	N/A	REPLACEMENT	NO

7. Description of Work: VALVE 2CS-D546SN-1 (1CS-321) DIAPHRAGM RELACEMENT (TAG 1CS-321)

8. Tests Conducted: Hydrostatic  Pneumatic  Nominal Operating Pressure   
Other  Pressure \_\_\_\_\_ psi Test Temp. \_\_\_\_\_ of  
SEE REMARKS....

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8½ in. x 11 in., (2) information in items 1 through 6 on this report is included on each sheet, and (3) each sheet is numbered and the number of sheets is recorded at the top of this form.



FORM NIS-2 (Back)

9. Remarks: PRESSURE TEST NOT REQUIRED PER CODE INTERPRETATION XI-1-95-48 FOR THE REPLACEMENT OF PRESSURE BOUNDARY PARTS.  
Applicable Manufacturer's Date Reports to be attached

REPLACEMENT REQUIRED DUE TO END OF SHELF LIFE OF DIAPHRAGM.

CERTIFICATE 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 Mark A. Papp Inspection & Test Supervisor Date 1/06, 19 99  
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of North Carolina and employed by Hartford Steam Boiler Inspection and Insurance Company of One State Street, Hartford Connecticut 06102 have inspected the components described in this Owner's Report during the period 10-31-98 to 11-12-98, 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,

EB Dwyer Commissions NC 1042  
Inspector's Signature National Board, State, Province, and Endorsements

Date JAN 7 19 99

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 12-15-98  
Name  
P.O. Box 1551, Raleigh, N. C. 27602-1551 Sheet 1 of 2  
Address
2. Plant Shearon Harris Nuclear Power Plant Unit 1  
Name  
P.O. Box 165, New Hill, N. C. 27562-0165 WR/JO 98-ACPC1  
Address Repair Organization P.O. No., Job No., etc.
3. Work Performed by Carolina Power & Light Company Type Code Symbol Stamp N/A  
Name  
P.O. Box 165 New Hill, N.C. 27562-0165 Authorization No. N/A  
Address Expiration Date N/A
4. Identification of System: CHEMICAL AND VOLUME CONTROL ASME III, CLASS 2
5. (a) Applicable Construction Code ASME Sect. III 19 74 Edition, WINTER 1976 Addenda, N/A Code Case  
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 89, Addenda NO
6. Identification of Components Repaired 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 DIAPHRAGM FOR 2CS-D120SN-1	ROGERS CORP.	N/A	N/A	N/A	N/A	REPLACED	NO
VALVE DIAPHRAGM FOR 2CS-D120SN-1	WEBSTER PIPING	N/A	N/A	CP&L PART # 514-124-84 PO# 9C4691-01	N/A	REPLACEMENT	NO

7. Description of Work: VALVE 2CS-D120SN-1 (1CS-140) DIAPHRAGM RELACEMENT

8. Tests Conducted: Hydrostatic  Pneumatic  Nominal Operating Pressure   
Other  Pressure \_\_\_\_\_ psi Test Temp. \_\_\_\_\_ of  
SEE REMARKS....

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8½ in. x 11 in., (2) information in items 1 through 6 on this report is included on each sheet, and (3) each sheet is numbered and the number of sheets is recorded at the top of this form.

FORM NIS-2 (Back)

9. Remarks: PRESSURE TEST NOT REQUIRED PER CODE INTERPRETATION XI-1-95-48 FOR THE REPLACEMENT OF PRESSURE BOUNDARY PARTS.  
Applicable Manufacturer's Date Reports to be attached

REPLACEMENT DUE TO END OF SHELF LIFE OF DIAPHRAGM

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp N/A

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

Signed Mark a Page Inspection & Test Supervisor Date 1/06, 19 99  
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of North Carolina and employed by Hartford Steam Boiler Inspection and Insurance Company of One State Street, Hartford Connecticut 06102 have inspected the components described in this Owner's Report during the period 10-31-98 to 11-09-98, 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,

EB Dwyer Commissions NC 1042  
Inspector's Signature National Board, State, Province, and Endorsements

Date JAN 7 19 99

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 12/17/98  
Name \_\_\_\_\_  
P.O. Box 1551, Raleigh, N. C. 27602-1551 Sheet 1 of 2  
Address \_\_\_\_\_
2. Plant Shearon Harris Nuclear Power Plant Unit 1  
Name \_\_\_\_\_  
P.O. Box 165, New Hill, N. C. 27562-0165 WR/JO 98-ACPD1  
Address \_\_\_\_\_ Repair Organization P.O. No., Job No., etc. \_\_\_\_\_
3. Work Performed by Carolina Power & light Company Type Code Symbol Stamp N/A  
Name \_\_\_\_\_ Authorization No. N/A  
P.O. Box 165 New Hill, N.C. 27562-0165 Expiration Date N/A  
Address \_\_\_\_\_
4. Identification of System: 2060-Chemical and Volume Control System ASME III, CLASS 2
5. (a) Applicable Construction Code ASME Sect.III 19 74 Edition, WINTER 1976 Addenda, N/A Code Case  
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 89, Addenda NO
6. Identification of Components Repaired 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 1CS-141	Webster Pipe & Supply	N/A	N/A	Diaphragm EPDM P.O. 9C4691 p/n 514-124-84	1998	Replacement	No

7. Description of Work: Replaced Diaphragm on valve 1CS-141. End of life. P/N 514-124-84.

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

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8½ in. x 11 in., (2) information in items 1 through 6 on this report is included on each sheet, and (3) each sheet is numbered and the number of sheets is recorded at the top of this form.

FORM NIS-2 (Back)

9. Remarks: Applicable records are maintained in the plant vault and turnover package.  
Applicable Manufacturer's Date Reports to be attached
- No pressure testing required per code interpretation XI-1-95-48

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp N/A

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

Signed Mark A. P... Inspection & Test Supervisor Date 1/04, 19 99  
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of North Carolina and employed by Hartford Steam Boiler Inspection and Insurance Company of One State Street, Hartford Connecticut 06102 have inspected the components described in this Owner's Report during the period 10-31-98 to 11-12-98, 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.

EB Doughter Commissions NC 1042  
Inspector's Signature National Board, State, Province, and Endorsements

Date JAN 6 19 99

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 12-14-98  
Name \_\_\_\_\_  
P.O. Box 1551, Raleigh, N. C. 27602-1551 Sheet 1 of 2  
Address \_\_\_\_\_
2. Plant Shearon Harris Nuclear Power Plant Unit 1  
Name \_\_\_\_\_  
P.O. Box 165, New Hill, N. C. 27562-0165 WR/JO 98-ACPE1  
Address \_\_\_\_\_ Repair Organization P.O. No., Job No., etc. \_\_\_\_\_
3. Work Performed by Carolina Power & light Company Type Code Symbol Stamp N/A  
Name \_\_\_\_\_  
P.O. Box 165 New Hill, N.C. 27562-0165 Authorization No. N/A  
Address \_\_\_\_\_ Expiration Date N/A
4. Identification of System: 2060 CHEMICAL AND VOLUME CONTROL ASME III, CLASS 2
5. (a) Applicable Construction Code ASME Sect. III 19 74 Edition, WINTER 1976 Addenda, N/A Code Case \_\_\_\_\_  
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 89, Addenda NO

6. Identification of Components Repaired and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
DIAPHRAGM	WEBSTER PIPING	N/A	N/A	514-124-84 P.O.# 9C4691	1998	REPLACEMENT	NO

7. Description of Work: REPLACED DIAPHRAGM IN 1CS-142 (2CS-D119SN-1) DUE TO END OF SHELF LIFE FOR DIAPHRAGM.

8. Tests Conducted: Hydrostatic  Pneumatic  Nominal Operating Pressure  SEE REMARKS  
Other  Pressure \_\_\_\_\_ psi Test Temp. \_\_\_\_\_ °F

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8½ in. x 11 in., (2) information in items 1 through 6 on this report is included on each sheet, and (3) each sheet is numbered and the number of sheets is recorded at the top of this form.

FORM NIS-2 (Back)

9. Remarks: PER CODE INTERPRETATION XI-1-95-48, NO PRESSURE TESTING IS REQUIRED  
Applicable Manufacturer's Date Reports to be attached

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp N/A

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

Signed Mark A. [Signature] Inspection & Test Supervisor Date 12/29, 19 98  
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of North Carolina and employed by Hartford Steam Boiler Inspection and Insurance Company of One State Street, Hartford Connecticut 06102 have inspected the components described in this Owner's Report during the period 10-31-98 to 11-04-98, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

[Signature] Commissions NC 1042  
Inspector's Signature National Board, State, Province, and Endorsements

Date Jan 4 19 99

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 12/17/98  
Name  
P.O. Box 1551, Raleigh, N. C. 27602-1551 Sheet 1 of 2  
Address
2. Plant Shearon Harris Nuclear Power Plant Unit 1  
Name  
P.O. Box 165, New Hill, N. C. 27562-0165 Address  
WR/JO 98-ACPF1  
Repair Organization P.O. No., Job No., etc.
3. Work Performed by Carolina Power & Light Company Type Code Symbol Stamp N/A  
Name  
Authorization No. N/A  
P.O. Box 165 New Hill, N.C. 27562-0165 Address  
Expiration Date N/A
4. Identification of System: 2060-Chemical and Volume Control System ASME III, CLASS 2
5. (a) Applicable Construction Code ASME Sect. III 19 74 Edition, WINTER 1976 Addenda, N/A Code Case  
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 89, Addenda NO

6. Identification of Components Repaired 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 1CS-143	Webster Pipe & Supply	N/A	N/A	Diaphragm EPDM P.O. 9C4691 P/N 514-124-84	1998	Replacement	No

7. Description of Work: Replaced Diaphragm on valve 1CS-143. End of life. P/N 514-124-84

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

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8½ in. x 11 in., (2) information in items 1 through 6 on this report is included on each sheet, and (3) each sheet is numbered and the number of sheets is recorded at the top of this form.



FORM NIS-2 (Back)

9. Remarks: Applicable records are maintained in the plant vault and turnover package.  
Applicable Manufacturer's Date Reports to be attached  
No pressure testing required per code interpretation XI-1-95-48

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp N/A

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

Signed Mark A. Papp Inspection & Test Supervisor Date 1/04, 19 99  
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of North Carolina and employed by Hartford Steam Boiler Inspection and Insurance Company of One State Street, Hartford Connecticut 06102 have inspected the components described in this Owner's Report during the period 10-31-98 to 11-09-98, 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.

E. B. Doughton Commissions NC 1042  
Inspector's Signature National Board, State, Province, and Endorsements

Date JAN 6 19 99

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 12/18/98  
Name  
P.O. Box 1551, Raleigh, N. C. 27602-1551 Sheet 1 of 2  
Address
2. Plant Shearon Harris Nuclear Power Plant Unit 1  
Name  
P.O. Box 165, New Hill, N. C. 27562-0165 WR/JO 98-ACPG1  
Address Repair Organization P.O. No., Job No., etc.
3. Work Performed by Carolina Power & Light Company Type Code Symbol Stamp N/A  
Name  
P.O. Box 165 New Hill, N.C. 27562-0165 Authorization No. N/A  
Address Expiration Date N/A
4. Identification of System: CHEMICAL AND VOLUME CONTROL ASME III, CLASS 2
5. (a) Applicable Construction Code ASME Sect. III 19 74 Edition, WINTER 1976 Addenda, N/A Code Case  
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 89, Addenda NO

6. Identification of Components Repaired 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 DIAPHRAGM FOR 2CS-D698SN-1	COLONIAL RUBBER	N/A	N/A	N/A	N/A	REPLACED	NO
VALVE DIAPHRAGM FOR 2CS-D698SN-1	WEBSTER PIPING	N/A	N/A	CP&L PART # 514-124-84 PO# 9C4691	N/A	REPLACEMENT	NO

7. Description of Work: VALVE 2CS-D698SN-1 (1CS-144) DIAPHRAGM RELACEMENT

8. Tests Conducted: Hydrostatic  Pneumatic  Nominal Operating Pressure   
Other  Pressure \_\_\_\_\_ psi Test Temp. \_\_\_\_\_ °F  
SEE REMARKS....

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8½ in. x 11 in., (2) information in items 1 through 6 on this report is included on each sheet, and (3) each sheet is numbered and the number of sheets is recorded at the top of this form.

FORM NIS-2 (Back)

9. Remarks: PRESSURE TEST NOT REQUIRED PER CODE INTERPRETATION XI-1-95-48 FOR THE REPLACEMENT OF PRESSURE BOUNDARY PARTS.  
Applicable Manufacturer's Date Reports to be attached

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp N/A

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

Signed Mark A. Pagan Inspection & Test Supervisor Date 1/06, 19 99  
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of North Carolina and employed by Hartford Steam Boiler Inspection and Insurance Company of One State Street, Hartford Connecticut 06102 have inspected the components described in this Owner's Report during the period 10/31/98 to 11/12/98, 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,

EB Dayton Commissions NC 1042  
Inspector's Signature National Board, State, Province, and Endorsements

Date Jan 7 19 99

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 12/17/98  
Name  
P.O. Box 1551, Raleigh, N. C. 27602-1551 Sheet 1 of 2  
Address
2. Plant Shearon Harris Nuclear Power Plant Unit 1  
Name  
P.O. Box 165, New Hill, N. C. 27562-0165 WR/JO 98-ACPI1  
Address Repair Organization P.O. No., Job No., etc.
3. Work Performed by Carolina Power & Light Company Type Code Symbol Stamp N/A  
Name  
P.O. Box 165 New Hill, N.C. 27562-0165 Authorization No. N/A  
Address Expiration Date N/A
4. Identification of System: 2060-Chemical and Volume Control System ASME III, CLASS 2
5. (a) Applicable Construction Code ASME Sect. III 19 74 Edition, WINTER 1976 Addenda, N/A Code Case  
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 89, Addenda NO
6. Identification of Components Repaired 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 1CS-146	Webster Pipe & Supply Co.	N/A	N/A	Diaphragm EPDM P.O. 9C4691	1998	Replacement	No

7. Description of Work: Replaced diaphragm on valve 1CS-146. End of life. P/N 514-124-84.

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

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8½ in. x 11 in., (2) information in items 1 through 6 on this report is included on each sheet, and (3) each sheet is numbered and the number of sheets is recorded at the top of this form.

FORM NIS-2 (Back)

9. Remarks: Applicable records are maintained in the plant vault and turnover package.  
Applicable Manufacturer's Date Reports to be attached  
NO PRESSURE TESTING IS REQUIRED PER CODE INTERPRETATION XI-1-95-48.

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp N/A

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

Signed Mark A. Papp Inspection & Test Supervisor Date 1/04, 19 99  
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of North Carolina and employed by Hartford Steam Boiler Inspection and Insurance Company of One State Street, Hartford Connecticut 06102 have inspected the components described in this Owner's Report during the period 10-31-98 to 11-12-98, 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,

EB Doyle Commissions NC 1042  
Inspector's Signature National Board, State, Province, and Endorsements

Date JAN 6 19 99

FORM NIS-? 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 12/22/98  
Name  
P.O. Box 1551, Raleigh, N. C. 27602-1551 Address Sheet 1 of 2
2. Plant Shearon Harris Nuclear Power Plant Unit 1  
Name  
P.O. Box 165, New Hill, N. C. 27562-0165 Address  
WR/JO 98-ACTC1  
Repair Organization P.O. No., Job No., etc.
3. Work Performed by Carolina Power & Light Company Type Code Symbol Stamp N/A  
Name  
P.O. Box 165 New Hill, N.C. 27562-0165 Address  
Authorization No. N/A  
Expiration Date N/A
4. Identification of System: 3065-Auxiliary Feedwater System ASME III, CLASS 2
5. (a) Applicable Construction Code ASME Sect.III 19 74 Edition, WINTER 1976 Addenda, N/A Code Case  
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 89, Addenda NO
6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
6" S/120 Pipe	Dubose National Energy Service	N/A	N/A	P/N 761-671-39 P.O. 9A6907-01 Ht. # U02861	1998	Replacement	No

7. Description of Work: Cut out and replaced a 6" S/120 spool piece of AFW Line No. 2AF6-140SAB-1 per ESR 98-00432.

8. Tests Conducted: Hydrostatic  Pneumatic  Nominal Operating Pressure   
Other  Pressure 1075 psi Test Temp. 556 °F

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8½ in. x 11 in., (2) information in items 1 through 6 on this report is included on each sheet, and (3) each sheet is numbered and the number of sheets is recorded at the top of this form.

FORM NIS-2 (Back)

9. Remarks: Applicable records are maintained in the plant vault and turnover package.  
Applicable Manufacturer's Date Reports to be attached
- Ref. Code Case N416-1 Ref. ESR 98-00432
- Replaced section of pipe on line No. 2AF6-140SAB-1 between welds 1-AF-16-01-FW-257 and 1-AF-16-01-fw-258.

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp N/A

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

Signed Mark A Pope Inspection & Test Supervisor Date 1/06, 19 99  
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of North Carolina and employed by Hartford Steam Boiler Inspection and Insurance Company of One State Street, Hartford Connecticut 06102 have inspected the components described in this Owner's Report during the period 11-01-98 to 12-03-98, 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,

EB Dayton Commissions NC 1042  
Inspector's Signature National Board, State, Province, and Endorsements

Date JAN 7 19 99

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 12/16/98  
Name  
P.O. Box 1551, Raleigh, N. C. 27602-1551 Address Sheet 1 of 2
2. Plant Shearon Harris Nuclear Power Plant Unit 1  
Name  
P.O. Box 165, New Hill, N. C. 27562-0165 Address WR/JO 98-ACTC2  
Repair Organization P.O. No., Job No., etc.
3. Work Performed by Carolina Power & light Company Type Code Symbol Stamp N/A  
Name  
P.O. Box 165 New Hill, N.C. 27562-0165 Address Authorization No. N/A  
Expiration Date N/A
4. Identification of System: 3065-Auxiliary Feedwater System ASME III, CLASS 2
5. (a) Applicable Construction Code ASME Sect.III 19 74 Edition, WINTER 1976 Addenda, N/A Code Case  
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 89, Addenda NO
6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
AF-H-343 Hanger	Weldstar Company	N/A	N/A	P.O. 862787 Ht.# 086637	1995	Replacement	No

7. Description of Work: Hangers FW-H-489 & 490 removed temporarily and reinstalled. Hanger AF-H-343 was removed and re-welded back to original configuration. Hangers were removed for pipe replacement work.

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

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8½ in. x 11 in., (2) information in items 1 through 6 on this report is included on each sheet, and (3) each sheet is numbered and the number of sheets is recorded at the top of this form.



FORM NIS-2 (Back)

9. Remarks: Applicable records are maintained in the plant vault and turnover package.  
Applicable Manufacturer's Date Reports to be attached

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CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp N/A

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

Signed Mark a P Inspection & Test Supervisor Date 1/08, 1999  
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of North Carolina and employed by Hartford Steam Boiler Inspection and Insurance Company of One State Street, Hartford Connecticut 06102 have inspected the components described in this Owner's Report during the period 11-1-98 to 11-22-98, 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.

EB Dwyer Commissions NC 1042  
Inspector's Signature National Board, State, Province, and Endorsements

Date Jan 12 19 99

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 12/16/98  
Name  
P.O. Box 1551, Raleigh, N. C. 27602-1551 Sheet 1 of 2  
Address
2. Plant Shearon Harris Nuclear Power Plant Unit 1  
Name  
P.O. Box 165, New Hill, N. C. 27562-0165 WR/JO 98-ACTC3  
Address Repair Organization P.O. No., Job No., etc.
3. Work Performed by Carolina Power & Light Company Type Code Symbol Stamp N/A  
Name  
P.O. Box 165 New Hill, N.C. 27562-0165 Authorization No. N/A  
Address Expiration Date N/A
4. Identification of System: 3065-Auxiliary Feedwater System ASME III, CLASS 2
5. (a) Applicable Construction Code ASME Sect. III 19 74 Edition, WINTER 1976 Addenda, N/A Code Case  
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 89, Addenda NO
6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
FW-H-720 Hanger	COLOC Industries	N/A	N/A	P.O. 9C1321 P/N 732-863-46	1998	Replacement	No

7. Description of Work: Replaced (4) nuts on hanger FW-H-720. Removed and welded back to original to provide access for piping replacement work.

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

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8½ in. x 11 in., (2) information in items 1 through 6 on this report is included on each sheet, and (3) each sheet is numbered and the number of sheets is recorded at the top of this form.

FORM NIS-2 (Back)

9. Remarks: Applicable records are maintained in the plant vault and turnover package.  
Applicable Manufacturer's Date Reports to be attached

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CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp N/A

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

Signed Mark A Papp Inspection & Test Supervisor Date 12/29, 19 98  
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of North Carolina and employed by Hartford Steam Boiler Inspection and Insurance Company of One State Street, Hartford Connecticut 06102 have inspected the components described in this Owner's Report during the period 11-3-98 to 11-19-98, 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,

EB Dwyer Commissions NC 1042  
Inspector's Signature National Board, State, Province, and Endorsements

Date JAN 4 19 99

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 01-05-99  
Name  
P.O. Box 1551, Raleigh, N. C. 27602-1551 Sheet 1 of 2  
Address
2. Plant Shearon Harris Nuclear Power Plant Unit 1  
Name  
P.O. Box 165, New Hill, N. C. 27562-0165 WR/JO 98-ADAK1  
Address Repair Organization P.O. No., Job No., etc.
3. Work Performed by Carolina Power & Light Company Type Code Symbol Stamp N/A  
Name  
P.O. Box 165 New Hill, N.C. 27562-0165 Authorization No. N/A  
Address Expiration Date N/A
4. Identification of System: 3005-Steam Generator ASME III, CLASS 2
5. (a) Applicable Construction Code ASME Sect. III 19 74 Edition, WINTER 1976 Addenda, N/A Code Case  
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 89, Addenda NO
6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
Steam Gen.C2 CL.2 Manway	Westinghouse	Bolt #19 S/N T05341	N/A	P.O.#162065 P/N 723-482-04 See remarks	See Remarks	Replacement	No

7. Description of Work: Replaced 1 bolt on secondary manway of Steam Generator C-2 due to thread wastage.

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

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8½ in. x 11 in., (2) information in items 1 through 6 on this report is included on each sheet, and (3) each sheet is numbered and the number of sheets is recorded at the top of this form.

FORM NIS-2 (Back)

9. Remarks: Certified material test reports for bolts could not be located. Construction turnover package indicates Applicable Manufacturer's Date Reports to be attached
- bolts were removed from the unit 2 generators and the CMTR's were not part of the package received from the vendor. Ref. ESR 98-00484 and 98-00486.
- Per code interpretation XI-1-95-52, pressure testing is not required.

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp N/A

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

Signed Mark A. Papp Inspection & Test Supervisor Date 1/08, 19 99  
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of North Carolina and employed by Hartford Steam Boiler Inspection and Insurance Company of One State Street, Hartford Connecticut 06102 have inspected the components described in this Owner's Report during the period 11-05-98 to 11-18-98, 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.

BS Payne Commissions NC 1042  
Inspector's Signature National Board, State, Province, and Endorsements

Date Jan 12 19 99

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 01-26-99  
Name  
P.O. Box 1551, Raleigh, N. C. 27602-1551 Sheet 1 of 2  
Address
2. Plant Shearon Harris Nuclear Power Plant Unit 1  
Name  
P.O. Box 165, New Hill, N. C. 27562-0165 WR/JO 98-ADIP1  
Address Repair Organization P.O. No., Job No., etc.
3. Work Performed by Carolina Power & light Company Type Code Symbol Stamp N/A  
Name  
P.O. Box 165 New Hill, N.C. 27562-0165 Authorization No. N/A  
Address Expiration Date N/A
4. Identification of System: 3010 - STEAM GENERATOR BLOWDOWN SYSTEM ASME III, CLASS 2
5. (a) Applicable Construction Code ASME Sect. III 19 74 Edition, WINTER 1976 Addenda, N/A Code Case  
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 89, Addenda NO
6. Identification of Components Repaired and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
WELDED PIPE ATTACHMENT (PLATE)	N/A	N/A	N/A	P/N 733-599-29 PO # 668218 HT # U2537	N/A	REPLACEMENT	NO

7. Description of Work: PLATE ATTACHED TO LINE NUMBER 2BD4-7SN-1 FOR HANGER 1-BD-H-620 PER ESR 98-00031.

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

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8½ in. x 11 in., (2) information in items 1 through 6 on this report is included on each sheet, and (3) each sheet is numbered and the number of sheets is recorded at the top of this form.

FORM NIS-2 (Back)

9. Remarks: NIS-2 NOT REQUIRED FOR INSTALLATION OF 1" DIAMETER BYPASS LINE PER CODE INTERPRETATION XI-1-92-66.  
Applicable Manufacturer's Date Reports to be attached

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp N/A

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

Signed Mark a Pop Inspection & Test Supervisor Date 2-2, 19 99  
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of North Carolina and employed by Hartford Steam Boiler Inspection and Insurance Company of One State Street, Hartford Connecticut 06102 have inspected the components described in this Owner's Report during the period 10-26-98 to 11-21-98, 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.

W. B. Dayte Commissions NC 1042  
Inspector's Signature National Board, State, Province, and Endorsements

Date 2-5 19 99

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 01-18-99  
Name  
P.O. Box 1551, Raleigh, N. C. 27602-1551 Sheet 1 of 2  
Address
2. Plant Shearon Harris Nuclear Power Plant Unit 1  
Name  
P.O. Box 165, New Hill, N. C. 27562-0165 WR/JO 98-ADRC4  
Address Repair Organization P.O. No., Job No., etc.
3. Work Performed by Carolina Power & Light Company Type Code Symbol Stamp N/A  
Name  
P.O. Box 165 New Hill, N.C. 27562-0165 Authorization No. N/A  
Address Expiration Date N/A
4. Identification of System: PASSIVE SAFETY INJECTION SYSTEM (2090) ASME III CLASS 2
5. (a) Applicable Construction Code ASME Sect. III 19 74 Edition, WINTER 1976 Addenda, N/A Code Case  
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 89, Addenda NO
6. Identification of Components Repaired and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)

7. Description of Work: REMOVED AND REINSTALLED HANGER SI-H-897 TO ASSIST IN THE REPAIR OF VALVE 1S1-257
8. Tests Conducted: Hydrostatic  Pneumatic  Nominal Operating Pressure   
Other  Pressure N/A psi Test Temp. N/A °F

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8½ in. x 11 in., (2) information in items 1 through 6 on this report is included on each sheet, and (3) each sheet is numbered and the number of sheets is recorded at the top of this form.



FORM NIS-2 (Back)

9. Remarks: HANGER ITEM 1 WELD TO ENBED PLATE WAS CUT TO REMOVE HANGER TO ASSIST IN THE REPAIR OF VALVE 1SI-2577 AND THEN  
Applicable Manufacturer's Date Reports to be attached  
REINSTALLED AFTER VALVE WORK WAS COMPLETED.

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp N/A

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

Signed Mark A. P... Inspection & Test Supervisor Date 1-20, 19 99  
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the  
State or Province of North Carolina and employed by Hartford Steam Boiler Inspection and Insurance Company of  
One State Street, Hartford Connecticut 06102 have inspected the components described  
in this Owner's Report during the period 11-05-98 to 11-24-98, 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.

E. B. Day Commissions NC 1042  
Inspector's Signature National Board, State, Province, and Endorsements

Date 1-26 19 99

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 12/17/98  
Name  
P.O. Box 1551, Raleigh, N. C. 27602-1551 Sheet 1 of 2  
Address

2. Plant Shearon Harris Nuclear Power Plant Unit 1  
Name  
P.O. Box 165, New Hill, N. C. 27562-0165 WR/JO 98-AFGT1  
Address Repair Organization P.O. No., Job No., etc.

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

4. Identification of System: 2070-Containment Spray System ASME III, CLASS 2

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

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
Valve 1CT-62	Rockwell Internat.	BE379	659	1/8"X36" ER 308 Ht.# 703435	1981	Replacement	Yes

7. Description of Work: Removed body cover seal weld for inspection and rewelded back to original.

8. Tests Conducted: Hydrostatic  Pneumatic  Nominal Operating Pressure   
Other  Pressure 47 psi Test Temp. 85.9 °F

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8½ in. x 11 in., (2) information in items 1 through 6 on this report is included on each sheet, and (3) each sheet is numbered and the number of sheets is recorded at the top of this form.

FORM NIS-2 (Back)

9. Remarks: Applicable records are maintained in the plant vault and turnover package.  
Applicable Manufacturer's Date Reports to be attached

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CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp N/A

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

Signed Mark A. Pgw Inspection & Test Supervisor Date 1/04, 19 99  
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of North Carolina and employed by Hartford Steam Boiler Inspection and Insurance Company of One State Street, Hartford Connecticut 06102 have inspected the components described in this Owner's Report during the period 08-31-98 to 09-02-98, 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.

E. B. Dwyer Commissions NC 1042  
Inspector's Signature National Board, State, Province, and Endorsements

Date JAN 6 19 99

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 12/16/98  
 Name  
P.O. Box 1551, Raleigh, N. C. 27602-1551 Sheet 1 of 2  
 Address
2. Plant Shearon Harris Nuclear Power Plant Unit 1  
 Name  
P.O. Box 165, New Hill, N. C. 27562-0165 WR/JO 98-AGWH1  
 Address Repair Organization P.O. No., Job No., etc.
3. Work Performed by Carolina Power & Light Company Type Code Symbol Stamp N/A  
 Name  
P.O. Box 165 New Hill, N.C. 27562-0165 Authorization No. N/A  
 Address Expiration Date N/A
4. Identification of System: 2070-Containment Spray System ASME III, CLASS 2
5. (a) Applicable Construction Code ASME Sect. III 19 74 Edition, WINTER 1976 Addenda, N/A Code Case  
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 89, Addenda NO

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
CT-H-895 Hanger	COLOC Industries	N/A	N/A	P.O. 8N9756 P/N 732-862-96	1997	Replacement	No

7. Description of Work: Replaced (4) Lock nuts on Hanger CT-H-895. Removed for access to ISI exams.

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

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8½ in. x 11 in., (2) information in items 1 through 6 on this report is included on each sheet, and (3) each sheet is numbered and the number of sheets is recorded at the top of this form.

FORM NIS-2 (Back)

9. Remarks: Applicable records are maintained in the plant vault and turnover package.  
Applicable Manufacturer's Date Reports to be attached

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp N/A

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

Signed Mark A. Pope Inspection & Test Supervisor Date 12/27, 1998  
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of North Carolina and employed by Hartford Steam Boiler Inspection and Insurance Company of One State Street, Hartford Connecticut 06102 have inspected the components described in this Owner's Report during the period 10-28-98 to 10-31-98, 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.

SBD Inspector's Signature Commissions NC 1042  
National Board, State, Province, and Endorsements

Date JAN 4 19 99

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 12/16/98  
Name  
P.O. Box 1551, Raleigh, N. C. 27602-1551 Sheet 1 of 2  
Address
2. Plant Shearon Harris Nuclear Power Plant Unit 1  
Name  
P.O. Box 165, New Hill, N. C. 27562-0165 Address  
WR/JO 98-AHAN3 Repair Organization P.O. No., Job No., etc.
3. Work Performed by Carolina Power & Light Company Type Code Symbol Stamp N/A  
Name  
P.O. Box 165 New Hill, N.C. 27562-0165 Address  
Authorization No. N/A  
Expiration Date N/A
4. Identification of System: 4065-Emergency Service Water System ASME III, CLASS 2
5. (a) Applicable Construction Code ASME Sect. III 19 74 Edition, WINTER 1976 Addenda, N/A Code Case  
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 89, Addenda NO

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
SW-H-2362 Hanger	COLOC Industries	N/A	N/A	P.O. 8N9756 P/N 732-862-96	1997	Replacement	No

7. Description of Work: Replaced (4) Lock nuts on hanger SW-H-2362. Removed hanger for piping replacement.

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

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8½ in. x 11 in., (2) information in items 1 through 6 on this report is included on each sheet, and (3) each sheet is numbered and the number of sheets is recorded at the top of this form.

FORM NIS-2 (Back)

9. Remarks: Applicable records are maintained in the plant vault and turnover package.  
Applicable Manufacturer's Date Reports to be attached  
Reference CR 98-02672

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp N/A

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

Signed Mark A. Payne Inspection & Test Supervisor Date 12/29, 1998  
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of North Carolina and employed by Hartford Steam Boiler Inspection and Insurance Company of One State Street, Hartford Connecticut 06102 have inspected the components described in this Owner's Report during the period 10-31-98 to 11-20-98, 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.

EB Payne Commissions NC 1042  
Inspector's Signature National Board, State, Province, and Endorsements

Date JAN 4 1999

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 12/16/98  
Name  
P.O. Box 1551, Raleigh, N. C. 27602-1551 Sheet 1 of 2  
Address
2. Plant Shearon Harris Nuclear Power Plant Unit 1  
Name  
P.O. Box 165, New Hill, N. C. 27562-0165 WR/JO 98-AHBK1  
Address Repair Organization P.O. No., Job No., etc.
3. Work Performed by Carolina Power & Light Company Type Code Symbol Stamp N/A  
Name  
P.O. Box 165 New Hill, N.C. 27562-0165 Authorization No. N/A  
Address Expiration Date N/A
4. Identification of System: 3065-Auxiliary Feedwater System ASME III, CLASS 2
5. (a) Applicable Construction Code ASME Sect. III 19 74 Edition, WINTER 1976 Addenda, N/A Code Case  
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 89, Addenda NO

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
FW-H-721 Hanger	COLOC Industries	N/A	N/A	P.O. 7N7088 P/N 732-863-46	1994	Replacement	No

7. Description of Work: Replaced (3) Lock Nuts on hanger FW-H-721. Removed for access to ISI Exams.

8. Tests Conducted: Hydrostatic  Pneumatic  Nominal Operating Pressure   
Other  Pressure N/A psi, Test Temp. N/A °F

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8½ in. x 11 in., (2) information in items 1 through 6 on this report is included on each sheet, and (3) each sheet is numbered and the number of sheets is recorded at the top of this form.



FORM NIS-2 (Back)

9. Remarks: Applicable records are maintained in the plant vault and turnover package.  
Applicable Manufacturer's Date Reports to be attached

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CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp N/A

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

Signed Mark A. P... Inspection & Test Supervisor Date 12/29, 19 98  
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of North Carolina and employed by Hartford Steam Boiler Inspection and Insurance Company of One State Street, Hartford Connecticut 06102 have inspected the components described in this Owner's Report during the period 11-4-98 to 11-20-98, 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.

EB Dwyer Commissions NC 1042  
Inspector's Signature National Board, State, Province, and Endorsements

Date Jan 4 19 99

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 12/22/98  
Name  
P.O. Box 1551, Raleigh, N. C. 27602-1551 Address Sheet 1 of 2
2. Plant Shearon Harris Nuclear Power Plant Unit 1  
Name  
P.O. Box 165, New Hill, N. C. 27562-0165 Address WR/JO 98-AHBR1  
Repair Organization P.O. No., Job No., etc.
3. Work Performed by Carolina Power & Light Company Type Code Symbol Stamp N/A  
Name  
P.O. Box 165 New Hill, N.C. 27562-0165 Address Authorization No. N/A  
Expiration Date N/A
4. Identification of System: 3065-Auxiliary Feedwater System ASME III, CLASS 2
5. (a) Applicable Construction Code ASME Sect. III 19 74 Edition, WINTER 1976 Addenda, N/A Code Case  
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 89, Addenda NO
6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
1AF-68 Disc	Cann & Saul Steel Co.	Disc S/N 3	Valve NB 190	Disc Ht. #6057494	1980	Replaced	Yes
1AF-68 Disc	Anchor Darling Valve Co.	Disc S/N 5	N/A	P/N 726-304-86 P.O. 422345 Ht. # 8097400	1988	Replacement	Yes
Disc Nut Pin (2)	Anchor Darling Valve Co.	N/A	N/A	P/N 726-664-64 P.O. 222526	1985	Replacement	No
Disc Nut (1)	Anchor-Darling Valve Co.	N/A	N/A	P/N 740-301-49 P.O. 7N8192-02	1994	Replacement	No
Nut (1)	Texas Bolt Company	N/A	N/A	P.O. 809192 Ht. # 8898297	1998	Replacement	No

7. Description of Work: Replaced the Disc, Disc nut pin, Disc nut, and one Bonnet nut on valve 1AF-68

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

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8½ in. x 11 in., (2) information in items 1 through 6 on this report is included on each sheet, and (3) each sheet is numbered and the number of sheets is recorded at the top of this form.

FORM NIS-2 (Back)

9. Remarks: Applicable records are maintained in the plant vault and turnover package.  
Applicable Manufacturer's Data Reports to be attached
- No pressure testing required per code interpretations XI-1-95-48 and XI-1-95-52.

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp N/A

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

Signed Mark a Papp Inspection & Test Supervisor Date 1-4, 1997  
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of North Carolina and employed by Hartford Steam Boiler Inspection and Insurance Company of One State Street, Hartford Connecticut 06102 have inspected the components described in this Owner's Report during the period 11-09-98 to 11-20-98, 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,

EB Dauter Commissions NC 1042  
Inspector's Signature National Board, State, Province, and Endorsements

Date JAN 5 19 99

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 12/16/98  
Name  
P.O. Box 1551, Raleigh, N. C. 27602-1551 Address Sheet 1 of 2
2. Plant Shearon Harris Nuclear Power Plant Unit 1  
Name  
P.O. Box 165, New Hill, N. C. 27562-0165 Address WR/JO 98-AHIQ1  
Repair Organization P.O. No., Job No., etc.
3. Work Performed by Carolina Power & light Company Type Code Symbol Stamp N/A  
Name  
P.O. Box 165 New Hill, N.C. 27562-0165 Address Authorization No. N/A  
Expiration Date N/A
4. Identification of System: 3010-Steam Generator Blowdown System ASME III, CLASS 2
5. (a) Applicable Construction Code ASME Sect. III 19 74 Edition, WINTER 1976 Addenda, N/A Code Case  
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 89, Addenda NO
6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME-Code Stamped (Yes or No)
BD-H-70 Hanger	COLOC Industries	N/A	N/A	P.O. 8P1548 P/N 732-863-46	1997	Replacement	No

7. Description of Work: Replaced (2) Lock nuts on hanger BD-H-70. Removed hanger for access to ISI Exams.

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

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

FORM NIS-2 (Back)

9. Remarks: Applicable records are maintained in the plant vault and turnover package.  
Applicable Manufacturer's Date Reports to be attached

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CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp N/A

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

Signed Mark A. Pope Inspection & Test Supervisor Date 12/29, 19 98  
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of North Carolina and employed by Hartford Steam Boiler Inspection and Insurance Company of One State Street, Hartford Connecticut 06102 have inspected the components described in this Owner's Report during the period 11-10-98 to 11-19-98, 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.

ESD Commissions NC 1042  
Inspector's Signature National Board, State, Province, and Endorsements

Date JAN 5 19 99

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 12/16/98  
 Name  
P.O. Box 1551, Raleigh, N. C. 27602-1551 Sheet 1 of 2  
 Address
2. Plant Shearon Harris Nuclear Power Plant Unit 1  
 Name  
P.O. Box 165, New Hill, N. C. 27562-0165 Address  
WR/JO 98-AHPI1 Repair Organization P.O. No., Job No., etc.
3. Work Performed by Carolina Power & Light Company Type Code Symbol Stamp N/A  
 Name  
P.O. Box 165 New Hill, N.C. 27562-0165 Address  
 Authorization No. N/A  
 Expiration Date N/A
4. Identification of System: 3065-Auxiliary Feedwater System ASME III, CLASS 2
5. (a) Applicable Construction Code ASME Sect. III 19 74 Edition, WINTER 1976 Addenda, N/A Code Case  
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 89, Addenda NO
5. 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)
AF-H-296 Hanger	Bergen Patterson	N/A	N/A	PO9A6923 (E7018) Ht. #112438	1985	Replacement	No
AF-H-299 Hanger	Bergen Patterson	N/A	N/A	PO9A6923 (E7018) Ht. #112438	1985	Replacement	No
AF-H-300 Hanger	Bergen Patterson	N/A	N/A	PO9A6923 (E7018) Ht. #112438	1985	Replacement	No
AF-H-365 Hanger	Bergen Patterson	N/A	N/A	PO9A6923 (E7018) Ht. #112438	1985	Replacement	No
AF-H-365 Hanger	Bergen Patterson	N/A	N/A	PO H57610 Ht. #B12995	1985	Replacement	No

7. Description of Work: Modified snubbers on supports listed were ground/welded per ESR 98-00489 as required to achieve proper "L" and "P-P" dimensions.

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

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

FORM NIS-2 (Back)

9. Remarks: Applicable records are maintained in the plant vault and turnover package.  
Applicable Manufacturer's Date Reports to be attached  
Reference ESR 98-00489  
Reference WR/JO 97-AHGA4 and 97-AHGA5

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp N/A

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

Signed Mark A. F... Inspection & Test Supervisor Date 12/29, 19 98  
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of North Carolina and employed by Hartford Steam Boiler Inspection and Insurance Company of One State Street, Hartford Connecticut 06102 have inspected the components described in this Owner's Report during the period 11-16-98 to 11-21-98, 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.

EB Doughty Commissions NC 1042  
Inspector's Signature National Board, State, Province, and Endorsements

Date JAN 5 19 99