



Serial: HNP-07-179
10 CFR 50.55a

JAN 18 2008

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

SHEARON HARRIS NUCLEAR POWER PLANT, UNIT NO. 1
DOCKET NO. 50-400/LICENSE NO. NPF-63
90-DAY INSERVICE INSPECTION (ISI) SUMMARY REPORT

Ladies and Gentlemen:

In accordance with 10 CFR 50.55a, Carolina Power and Light Company, doing business as Progress Energy Carolinas, Inc., submits the attached Inservice Inspection (ISI) Summary Report for the Harris Nuclear Plant (HNP). This report has been prepared in accordance with Section XI of the American Society of Mechanical Engineers (ASME) Boiler and Pressure Vessel Code, 2001 Edition with addenda through 2003, and ASME Code Case N-532-4, as approved in Regulatory Guide 1.147. This report is for HNP's Cycle 14 operations and Refueling Outage No. 14 (RFO-14) of the third 10-year ISI interval.

This document contains no new regulatory commitments.

Please refer any question regarding this submittal to me at (919) 362-3137.

Sincerely,

A handwritten signature in black ink, appearing to read 'D. H. Corlett'.

D. H. Corlett
Supervisor – Licensing/Regulatory Programs
Harris Nuclear Plant

DHC/kms

Attachment

cc: Mr. P. B. O'Bryan, NRC Sr. Resident Inspector
Mr. J. M. Given, Jr., NC Department of Labor, Boiler Safety Bureau
Mr. V. M. McCree, NRC Acting Regional Administrator, Region II
Ms. M. G. Vaaler, NRC Project Manager

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

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NRR

CAROLINA POWER AND LIGHT COMPANY
dba
PROGRESS ENERGY CAROLINAS, Inc.
SHEARON HARRIS NUCLEAR POWER PLANT
Unit One

Inservice Inspection
Summary Report
For
RFO-14

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

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

Date of Commercial Service
May 2, 1987

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SECTION 1
(2 Pages)

SUMMARY

SUMMARY

The Shearon Harris Nuclear Power Plant, Unit 1, Third Ten-Year Inservice Inspection (ISI) Plan is being developed to comply with 10CFR50.55a(g), which implements, by reference, the American Society of Mechanical Engineers (ASME) Boiler and Pressure Vessel Code, Section XI, 2001 Edition with 2003 Addenda.

The following summary report is being submitted pursuant to the reporting requirements of ASME Section XI as amended by ASME Code Case N-532-4.

This summary report contains the Form OAR-1 Owner's Activity Report and Tables 1 and 2 of the Code Case for Harris Nuclear Plant (HNP) during cycle 14 and Refueling Outage No. 14 (RFO-14). This report also covers the Reactor Pressure Vessel 10-year examinations that were completed during RFO-13 but not reported on the NIS-1. No indications were found that required evaluation for continued service. RFO-14 is the first outage of the first period in the third inspection interval, and includes Repair/Replacement Activities from May 17, 2006 (the last submittal) to October 22, 2007.

SECTION 2
(2 Pages)

OAR-1 FORM
OWNER'S ACTIVITY REPORT

FORM OAR-1 OWNER'S ACTIVITY REPORT

Report Number HNP-07-179

Plant Harris Nuclear Plant, 5413 Shearon Harris Rd, New Hill, NC 27562

Unit No. 1 Commercial Service Date May 2, 1987 Refueling Outage No. RFO-14

Current Inspection Interval Third interval

Current Inspection period First period

Edition and Addenda of Section XI applicable to the inspection plan 2001 Edition with 2003 Addenda

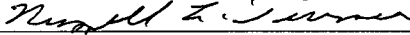
Date and revision of inspection plan October 2007 draft

Edition and Addenda of Section XI applicable to repairs and replacements, if different than the inspection plan 1989 Edition was used for all R/R Activities planned prior to the RFO-14 outage

Code Cases used: N-460, N-532-4, N-740, N-638-1, N-578-1

CERTIFICATE OF CONFORMANCE

I certify that (a) the statements made in this Owner's Activity Report are correct; (b) and the examinations and tests met the Inspection Plan as required by the ASME Code, Section XI; and (c) the repair/replacement activities and evaluations supporting the completion of RFO-15 conform to the requirements of Section XI.

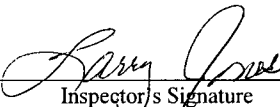
Signed  ISI Coordinator Date January 16, 2008

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 HSBCT of Hartford Connecticut have inspected the items described in this Owner's Activity Report, and state that, to the best of my knowledge and belief, the Owner has performed all activities represented by this report in accordance with the requirements of Section XI.

By signing this certificate neither the inspector nor his employer makes any warranty, expressed or implied, concerning the repair/replacements activities and evaluation described in this report. Furthermore, neither the inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection.

 Commissions NC 1507

Inspector's Signature National Board, State, Province, and Endorsements

Date 1/16/08

SECTION 3
(1 Page)

TABLE 1

ITEMS WITH FLAWS OR RELEVANT CONDITION THAT
REQUIRED EVALUATION FOR CONTINUED SERVICE

Examination Category and Item Number	Item Description	Evaluation Description
None		

SECTION 4
(2 Pages)

TABLE 2

ABSTRACT OF REPAIR/REPLACEMENT ACTIVITIES
REQUIRED FOR CONTINUED SERVICE

Table 2***Abstract of Repair/Replacement Activities Required for Continued Service***

<i>Code Class</i>	<i>Item Description</i>	<i>Description of Work</i>	<i>Repair/Replacement</i>	
			<i>Date Completed</i>	<i>Plan Number</i>
1	1RC-123	Replace valve, studs/nuts	12/18/2007	0413716
3	1SW-E055	Replace flange bolting	10/15/2007	0641748
3	1MS-G	replace valve bonnet	12/12/2007	0641852
3	1SW-36	Replace piping and valve	12/18/2007	0687076
3	1SW-22	Replace valve	12/6 /2007	0687149
3	3SW2-166SB-1	replace piping	12/12/2007	0815135
3	1EA-52	replace valve disc	10/15/2007	0819435
3	FE-9207B inlet piping	Replace piping	12/12/2007	0845002
3	1SW-204	Replace valve disc	10/15/2007	0855661
2	1CS-2	Replace valve trim	12/6 /2007	0855703
3	1SW-26	Rebuild valve	10/16/2007	0855704
3	weld 1-SW-214-2-VW-3	weld repair internal surface	10/16/2007	0855704
MC	1CT-E007	replace bolt on valve chamber	12/17/2007	0858118
MC	1AB-E026	replace equipment hatch bolting	12/17/2007	0858338
2	1CS-8	Replace valve trim	12/6 /2007	0862593
2	SG-H-313B	replace snubber control valves	10/20/2007	0887741
2	SG-H-305B	replace snubber control valves	10/20/2007	0887756
1	1IC-E152	replace thimble at core location L14	10/20/2007	0893421
3	3SW4-91SB-1	Replace piping	12/18/2007	0893431
2	1CS-7	replace valve trim	12/6 /2007	0893751
2	1CS-9	replace valve trim	10/23/2007	0893754
3	3SW3-1493SB-1	Replace piping	12/18/2007	0896665
3	3SW4-327SB-1	Replace piping	12/18/2007	0896666
1	"B" RCP no. 1 seal	Replace "B" RCP no. 1 seal	12/6 /2007	0988348
3	1AF-50	replace valve cage	12/17/2007	1130497
2	SG-H-0309B	replace snubber control valves	10/12/2007	1136823
2	SG-H-0309B	installed new snubber reservoir and valves	10/20/2007	1137605