



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

FEB 24 2000

SERIAL: HNP-00-019

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

SHEARON HARRIS NUCLEAR POWER PLANT
DOCKET NO. 50-400/LICENSE NO. NPF-63
ANNUAL OPERATING REPORT - 1999

Dear Sir or Madam:

In accordance with Harris Nuclear Plant Technical Specification 6.9.1.2, Carolina Power & Light Company provides the Annual Operating Report. This report includes information regarding; (1) individuals receiving exposures greater than 100 mrem/yr and their associated man-rem exposure according to work and job functions, (2) primary coolant iodine spikes, and (3) challenges to the pressurizer power-operated relief valves and safety valves for 1999.

Questions regarding this submittal may be referred to Mr. J. H. Eads at (919) 362-2646.

Sincerely,

D. B. Alexander
Manager, Regulatory Affairs
Harris Nuclear Plant

MGW

Enclosure

c: Mr. J. B. Brady (NRC Senior Resident Inspector, HNP)
Mr. Rich Laufer (NRR Project Manager, HNP)
Mr. L. A. Reyes (NRC Regional Administrator, Region II)
Ms. M. L. Thomas (NRC Project Manager, REIRS)

RIMS II
 NUMBER OF PERSONNEL AND MAN-REM BY WORK AND JOB FUNCTION, 1999
 HARRIS PLANT

WORK AND JOB FUNCTION	NUMBER OF PERSONNEL > 100 MREM			TOTAL MAN-REM		
	STAT	UTIL	CNTR	STAT	UTIL	CNTR
REACTOR OPERATIONS AND SURVEILLANCE						
MAINTENANCE PERSONNEL	0	0	0	0.000	0.000	0.000
OPERATING PERSONNEL	1	0	0	0.107	0.000	0.000
HEALTH PHYSICS PERSONNEL	3	0	0	0.353	0.000	0.000
SUPERVISORY PERSONNEL	0	0	0	0.000	0.000	0.000
ENGINEERING PERSONNEL	0	0	0	0.000	0.000	0.000
ROUTINE MAINTENANCE						
MAINTENANCE PERSONNEL	1	0	0	0.123	0.000	0.000
OPERATING PERSONNEL	0	0	0	0.000	0.000	0.000
HEALTH PHYSICS PERSONNEL	0	0	0	0.000	0.000	0.000
SUPERVISORY PERSONNEL	0	0	0	0.000	0.000	0.000
ENGINEERING PERSONNEL	0	0	0	0.000	0.000	0.000
INSERVICE INSPECTION						
MAINTENANCE PERSONNEL	0	0	0	0.000	0.000	0.000
OPERATING PERSONNEL	0	0	0	0.000	0.000	0.000
HEALTH PHYSICS PERSONNEL	0	0	0	0.000	0.000	0.000
SUPERVISORY PERSONNEL	0	0	0	0.000	0.000	0.000
ENGINEERING PERSONNEL	0	0	0	0.000	0.000	0.000
SPECIAL MAINTENANCE						
MAINTENANCE PERSONNEL	7	0	6	1.818	0.000	1.401
OPERATING PERSONNEL	0	0	0	0.000	0.000	0.000
HEALTH PHYSICS PERSONNEL	5	0	2	0.842	0.000	0.288
SUPERVISORY PERSONNEL	0	0	0	0.000	0.000	0.000
ENGINEERING PERSONNEL	0	0	0	0.000	0.000	0.000
WASTE PROCESSING						
MAINTENANCE PERSONNEL	0	0	0	0.000	0.000	0.000
OPERATING PERSONNEL	0	0	0	0.000	0.000	0.000
HEALTH PHYSICS PERSONNEL	0	0	0	0.000	0.000	0.000
SUPERVISORY PERSONNEL	0	0	0	0.000	0.000	0.000
ENGINEERING PERSONNEL	0	0	0	0.000	0.000	0.000
REFUELING						
MAINTENANCE PERSONNEL	0	0	0	0.000	0.000	0.000
OPERATING PERSONNEL	0	0	0	0.000	0.000	0.000
HEALTH PHYSICS PERSONNEL	0	0	0	0.000	0.000	0.000
SUPERVISORY PERSONNEL	0	0	0	0.000	0.000	0.000
ENGINEERING PERSONNEL	0	0	0	0.000	0.000	0.000
TOTAL						
MAINTENANCE PERSONNEL	8	0	6	1.941	0.000	1.401
OPERATING PERSONNEL	1	0	0	0.107	0.000	0.000
HEALTH PHYSICS PERSONNEL	8	0	2	1.195	0.000	0.288
SUPERVISORY PERSONNEL	0	0	0	0.000	0.000	0.000
ENGINEERING PERSONNEL	0	0	0	0.000	0.000	0.000
GRAND TOTAL	17	0	8	3.243	0.000	1.689

NOTES:

- (1) The total dose in this table of 4.932 man-rem is based on electronic dosimeter readings for personnel who received >100 mrem during 1999. Total electronic dosimeter dose for all personnel was 15.252 man-rem. Official TEDE dose for all personnel based on TLD readings (DDE) plus calculated internal (CEDE) dose was 15.538 man-rem.
- (2) STAT = Harris Plant staff
 UTIL = CP&L non-Harris personnel
 CNTR = Contractor
- (3) Special Maintenance includes special work on spent fuel cask, spent fuel pools, moveable in-core detectors, seal table room equipment, and certain valves and pumps.

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1999 ANNUAL OPERATING REPORT - PRIMARY COOLANT IODINE SPIKES

During 1999, activity levels in the primary coolant did not exceed 1.0 $\mu\text{Ci}/\text{gram}$ dose equivalent I-131 or 100/E-bar $\mu\text{Ci}/\text{gram}$ gross radioactivity as set forth in Technical Specification 3.4.8.

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1999 ANNUAL OPERATING REPORT - PRESSURIZER RELIEF AND SAFETY VALVE CHALLENGES

During 1999, there were no challenges to the pressurizer power-operated relief valves or safety valves.