



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

**FEB 15 2001**

SERIAL: HNP-01-022

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 - 2000

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 specific activity limits, and (3) challenges to the pressurizer power-operated relief valves and safety valves for 2000.

Questions regarding this submittal may be referred to Mr. E. A. McCartney at (919) 362-2661.

Sincerely,

  
R.J. Field

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)

IE54

RIMS II  
NUMBER OF PERSONNEL AND MAN-REM BY WORK AND JOB FUNCTION, 2000  
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	2	0	3	0.400	0.000	0.485
OPERATING PERSONNEL	14	0	0	2.009	0.000	0.000
HEALTH PHYSICS PERSONNEL	14	0	7	1.891	0.000	0.956
SUPERVISORY PERSONNEL	1	0	0	0.111	0.000	0.000
ENGINEERING PERSONNEL	2	0	0	0.240	0.000	0.000
ROUTINE MAINTENANCE						
MAINTENANCE PERSONNEL	0	0	8	0.000	0.000	1.645
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	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
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	54	0	109	12.590	0.000	24.100
OPERATING PERSONNEL	11	0	0	2.602	0.000	0.000
HEALTH PHYSICS PERSONNEL	27	0	15	7.067	0.000	2.391
SUPERVISORY PERSONNEL	3	0	2	1.024	0.000	0.265
ENGINEERING PERSONNEL	14	1	66	3.105	0.132	17.998
TOTAL						
MAINTENANCE PERSONNEL	56	0	120	12.990	0.000	26.230
OPERATING PERSONNEL	25	0	0	4.611	0.000	0.000
HEALTH PHYSICS PERSONNEL	41	0	22	8.958	0.000	3.347
SUPERVISORY PERSONNEL	4	0	2	1.135	0.000	0.265
ENGINEERING PERSONNEL	16	1	66	3.345	0.132	17.998
GRAND TOTAL	142	1	210	31.039	0.132	47.840

NOTES:

- (1) The total dose in this table of 79.011 man-rem is based on electronic dosimeter readings for personnel who received > 100 mrem during 2000. Total electronic dosimeter dose for all personnel was 108.400 man-rem. Official TEDE dose for all personnel based on TLD readings (DDE) plus calculated internal (CEDE) dose was 100.981 man-rem.
- (2) STAT = Harris Plant staff  
UTIL = CP&L non-Harris personnel  
CNTR = Contractor

Document Control Desk  
SERIAL: HNP-01-022

## 2000 ANNUAL OPERATING REPORT - PRIMARY COOLANT IODINE SPIKES

During 2000, 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.

Document Control Desk  
SERIAL: HNP-01-022

## 2000 ANNUAL OPERATING REPORT - PRESSURIZER RELIEF AND SAFETY VALVE CHALLENGES

During 2000, there were no challenges to the pressurizer power-operated relief valves or safety valves.