



FEB 19 2002

SERIAL: HNP-02-016

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 - 2001

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 2001.

Questions regarding this submittal may be referred to Mr. J. R. Caves at (919) 362-3137.

Sincerely,

R. J. Field
Manager, Regulatory Affairs
Harris Nuclear Plant

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Enclosure

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

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RIMS II
NUMBER OF PERSONNEL AND MAN-REM BY WORK AND JOB FUNCTION, 2001
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	410	0.314	0.000	134.914
OPERATING PERSONNEL	14	0	0	1.990	0.000	0.000
HEALTH PHYSICS PERSONNEL	13	0	37	2.124	0.000	9.644
SUPERVISORY PERSONNEL	0	0	25	0.000	0.000	8.151
ENGINEERING PERSONNEL	2	0	68	0.245	0.000	22.338
ROUTINE MAINTENANCE						
MAINTENANCE PERSONNEL	0	0	22	0.000	0.000	4.556
OPERATING PERSONNEL	0	0	0	0.000	0.000	0.000
HEALTH PHYSICS PERSONNEL	0	0	1	0.000	0.000	0.269
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	56	1	51	14.754	0.171	10.484
OPERATING PERSONNEL	10	0	1	1.779	0.000	0.107
HEALTH PHYSICS PERSONNEL	11	0	9	2.674	0.000	1.602
SUPERVISORY PERSONNEL	4	0	1	0.600	0.000	0.172
ENGINEERING PERSONNEL	10	2	15	2.423	0.304	2.551
TOTAL						
MAINTENANCE PERSONNEL	58	1	483	15.068	0.171	149.954
OPERATING PERSONNEL	24	0	1	3.769	0.000	0.107
HEALTH PHYSICS PERSONNEL	24	0	47	4.798	0.000	11.515
SUPERVISORY PERSONNEL	4	0	26	0.600	0.000	8.323
ENGINEERING PERSONNEL	12	2	83	2.668	0.304	24.889
GRAND TOTAL	122	3	640	26.903	0.475	194.788

2001 R.G. 1.16 Report

NOTES:

- (1) The total dose in this table of 222.166 man-rem is based on electronic dosimeter readings for personnel who received >100 mrem during 2001. Total electronic dosimeter dose for all personnel was 266.449 man-rem. Official TEDE dose for all personnel based on TLD readings (DDE) plus calculated internal (CEDE) dose was 252.241 man-rem.
- (2) STAT = Harris Plant staff
UTIL = CP&L non-Harris personnel
CNTR = Contractor

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2001 ANNUAL OPERATING REPORT - PRIMARY COOLANT IODINE SPIKES

During 2001, 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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2001 ANNUAL OPERATING REPORT - PRESSURIZER RELIEF AND SAFETY VALVE CHALLENGES

During 2001, there were no challenges to the pressurizer power-operated relief valves (PORVs) or safety valves.