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SUBJECT: "Number of Personnel & Man-Rem by Work & Job Functions,
1998, Harris Plant," With 990218 ltr.

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FEB 18 1999

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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 - 1998

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 1998.

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

Sincerely,

MGW

Enclosure

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

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RIMS II
NUMBER OF PERSONNEL AND MAN-REM BY WORK AND JOB FUNCTION, 1998
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	2	0.000	0.000	0.269
OPERATING PERSONNEL	0	0	0	0.000	0.000	0.000
HEALTH PHYSICS PERSONNEL	9	0	5	1.099	0.000	0.706
SUPERVISORY PERSONNEL	0	0	0	0.000	0.000	0.000
ENGINEERING PERSONNEL	0	0	1	0.000	0.000	0.112
ROUTINE 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
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	5	0	7	1.402	0.000	1.076
OPERATING PERSONNEL	1	0	0	0.127	0.000	0.000
HEALTH PHYSICS PERSONNEL	7	0	2	1.591	0.000	0.722
SUPERVISORY PERSONNEL	0	0	0	0.000	0.000	0.000
ENGINEERING PERSONNEL	0	0	1	0.000	0.000	0.539
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	1	0	0	0.118	0.000	0.000
SUPERVISORY PERSONNEL	0	0	0	0.000	0.000	0.000
ENGINEERING PERSONNEL	0	0	1	0.000	0.000	0.135
REFUELING						
MAINTENANCE PERSONNEL	53	5	127	13.119	1.451	29.810
OPERATING PERSONNEL	17	0	0	4.292	0.000	0.000
HEALTH PHYSICS PERSONNEL	21	0	22	5.547	0.000	4.206
SUPERVISORY PERSONNEL	6	1	1	2.674	0.104	0.304
ENGINEERING PERSONNEL	14	1	81	4.499	0.130	24.205
TOTAL						
MAINTENANCE PERSONNEL	58	5	136	14.521	1.451	31.155
OPERATING PERSONNEL	18	0	0	4.419	0.000	0.000
HEALTH PHYSICS PERSONNEL	38	0	29	8.355	0.000	5.634
SUPERVISORY PERSONNEL	6	1	1	2.674	0.104	0.304
ENGINEERING PERSONNEL	14	1	84	4.499	0.130	24.991
GRAND TOTAL	134	7	250	34.468	1.685	62.084

NOTES:

- (1) Total man-rem dose in this table is based on electronic dosimeter readings for personnel > 100 mrem. Total electronic dosimeter dose for all personnel was 128.514 man-rem. Official dose for all personnel based on TLD's was 133.497 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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1998 ANNUAL OPERATING REPORT - PRIMARY COOLANT IODINE SPIKES

During 1998, 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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1998 ANNUAL OPERATING REPORT - PRESSURIZER RELIEF AND SAFETY VALVE CHALLENGES

During 1998, there were no challenges to the pressurizer power-operated relief valves or safety valves.