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SUBJECT: "1997 Annual Operating Rept of Individuals Receiving Exposures Greater Than 100Mr/Yr." W/980226 ltr.

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FEB 26 1998

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Washington, DC 20555

Serial: HNP-98-030

SHEARON HARRIS NUCLEAR POWER PLANT UNIT 1
DOCKET NO. 50-400/LICENSE NO. NPF-63
ANNUAL OPERATING REPORT - 1997

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; (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 (PORVs) and safety valves for 1997.

Sincerely,

MV

Enclosure

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1997 ANNUAL OPERATING REPORT - INDIVIDUALS RECEIVING EXPOSURES
 GREATER THAN 100MR/YR

RIMS II
 NUMBER OF PERSONNEL AND MAN-REM BY WORK AND JOB FUNCTION, 1997
 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	1	0.000	0.000	0.108
OPERATING PERSONNEL	0	0	0	0.000	0.000	0.000
HEALTH PHYSICS PERSONNEL	12	0	12	1.631	0.000	1.666
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	0	0	2	0.000	0.000	0.240
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	6	0	7	0.852	0.000	0.956
OPERATING PERSONNEL	0	0	0	0.000	0.000	0.000
HEALTH PHYSICS PERSONNEL	3	0	0	0.631	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	2	0	0	0.426	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	63	5	125	18.366	1.108	35.133
OPERATING PERSONNEL	26	0	1	5.151	0.000	0.163
HEALTH PHYSICS PERSONNEL	23	0	15	7.754	0.000	3.412
SUPERVISORY PERSONNEL	5	1	2	1.833	0.127	0.554
ENGINEERING PERSONNEL	21	1	84	5.025	0.106	28.760
TOTAL						
MAINTENANCE PERSONNEL	69	5	135	19.218	1.108	36.437
OPERATING PERSONNEL	26	0	1	5.151	0.000	0.163
HEALTH PHYSICS PERSONNEL	40	0	27	18.442	0.000	5.078
SUPERVISORY PERSONNEL	5	1	2	1.833	0.127	0.554
ENGINEERING PERSONNEL	21	1	84	5.025	0.106	28.760
GRAND TOTAL	161	7	249	41.669	1.341	70.992

- Notes:
- (1) Dose in this table was based on electronic dosimeters.
 - (2) STAT - Harris Plant Staff
 UTIL - CP&L Non-Harris personnel
 CNTR - Contract personnel
 - (3) Special Maintenance includes special work on spent fuel cask, spent fuel pools, moveable in-core detectors, seal table room equipment, steam generators, reactor head, and certain valves and pumps.

1997 ANNUAL OPERATING REPORT - PRIMARY COOLANT IODINE SPIKES

During 1997, activity levels in the primary coolant did not exceed 1.0 $\mu\text{Ci}/\text{gram}$ dose equivalent I-131 or 100/E-bar $\mu\text{Ci}/\text{gram}$ dose radioactivity as set forth in Technical Specification 3.4.8.1

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1997 ANNUAL OPERATING REPORT - PRESSURIZER RELIEF AND SAFETY
VALVE CHALLENGES

There were no challenges to the pressurizer power-operated relief valves or safety valves in 1997.