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RICHEY, R.B. Carolina Power & Light Co.
RECIP. NAME RECIPIENT AFFILIATION

SUBJECT: "Personnel & Man-Rem by Work & Job Function for 1991." W/
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NOTES: Application for permit renewal filed. 05000400

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R. B. RICHEY
Vice President
Harris Nuclear Project

FEB 24 1992

Letter Number: HO-920043 (0)

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United States Nuclear Regulatory Commission
Washington, D.C. 20555

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

Gentlemen:

In accordance with Technical Specification 6.9.1.2 for the Shearon Harris Nuclear Power Plant, Unit No. 1, Carolina Power and Light Company herewith submits the annual report of (a) individuals receiving exposures greater than 100 mrem/yr and their associated man-rem exposure according to work and job functions, (b) primary coolant iodine spikes, and (c) challenges to the pressurizer power-operated relief valves (PORVs) and primary safety valves for 1991.

Very truly yours,



R. B. Richey
Vice President
Harris Nuclear Project

MGW:smm

Attachment

cc: Mr. S. D. Ebnetter (NRC - RII)
Mr. J. E. Tedrow (NRC - SHNPP)
Ms. C. T. Raddatz (NRC - REIRS Project Manager)

MEM/HO-920043.0/1/OS1
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PDR ADDCK 05000400
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RIMS II
NUMBER OF PERSONNEL AND MAN-REM BY WORK AND JOB FUNCTION, 1991
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	3	0	1	0.740	0.001	0.506
OPERATING PERSONNEL	22	0	2	6.092	0.000	1.770
HEALTH PHYSICS PERSONNEL	21	0	52	7.568	0.000	12.990
SUPERVISORY PERSONNEL	0	0	0	0.141	0.000	0.036
ENGINEERING PERSONNEL	2	0	0	1.949	0.425	0.603
ROUTINE MAINTENANCE						
MAINTENANCE PERSONNEL	0	1	31	1.841	0.725	12.217
OPERATING PERSONNEL	0	0	1	0.026	0.000	0.259
HEALTH PHYSICS PERSONNEL	3	0	1	0.650	0.000	0.915
SUPERVISORY PERSONNEL	0	0	0	0.025	0.000	0.000
ENGINEERING PERSONNEL	0	0	0	0.157	0.030	0.282
INSERVICE INSPECTION						
MAINTENANCE PERSONNEL	0	0	0	0.086	0.150	0.040
OPERATING PERSONNEL	1	0	2	0.287	0.000	0.480
HEALTH PHYSICS PERSONNEL	0	0	0	0.061	0.000	0.173
SUPERVISORY PERSONNEL	0	0	0	0.000	0.000	0.000
ENGINEERING PERSONNEL	0	0	0	0.050	0.000	0.000
SPECIAL MAINTENANCE						
MAINTENANCE PERSONNEL	40	6	85	19.977	2.756	31.521
OPERATING PERSONNEL	14	0	0	5.386	0.000	0.335
HEALTH PHYSICS PERSONNEL	13	0	29	7.676	0.000	10.007
SUPERVISORY PERSONNEL	1	0	0	0.559	0.000	0.010
ENGINEERING PERSONNEL	13	0	59	5.236	0.119	37.231
WASTE PROCESSING						
MAINTENANCE PERSONNEL	2	0	0	1.030	0.030	0.165
OPERATING PERSONNEL	0	0	0	0.020	0.000	0.000
HEALTH PHYSICS PERSONNEL	5	0	1	2.390	0.005	0.680
SUPERVISORY PERSONNEL	0	0	0	0.000	0.000	0.000
ENGINEERING PERSONNEL	1	0	1	0.143	0.000	0.215
REFUELING						
MAINTENANCE PERSONNEL	24	13	96	12.453	5.920	39.264
OPERATING PERSONNEL	0	0	0	1.177	0.000	0.000
HEALTH PHYSICS PERSONNEL	7	0	24	2.635	0.000	7.315
SUPERVISORY PERSONNEL	0	0	0	0.150	0.030	0.350
ENGINEERING PERSONNEL	7	1	42	2.769	0.425	24.350
TOTAL						
MAINTENANCE PERSONNEL	69	20	213	36.127	9.582	83.713
OPERATING PERSONNEL	37	0	5	12.988	0.000	2.844
HEALTH PHYSICS PERSONNEL	49	0	107	20.980	0.005	32.080
SUPERVISORY PERSONNEL	1	0	0	0.875	0.030	0.396
ENGINEERING PERSONNEL	23	1	102	10.304	0.999	62.681
GRAND TOTAL	179	21	427	81.274	10.616	181.714

- Notes: (1) Dose based on pocket dosimeters
(2) Stat = Harris Plant Staff
Util = CP&L non-Harris personnel
Cntr = Contractor

1991 ANNUAL REPORT - PRIMARY COOLANT IODINE SPIKES

During 1991, 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.

1991 ANNUAL REPORT - PRIMARY SAFETY AND RELIEF VALVE CHALLENGES

During 1991, there were no challenges to the primary power operated relief valves (PORVs) or the primary safety valves.