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SUBJECT: "Statistical Summary Rept, HB Robinson Steam Electric Plant, 1993, Jan-Dec." W/940222 ltr.

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10 CFR 20.407

Carolina Power & Light Company  
Robinson Nuclear Plant  
PO Box 790  
Hartsville SC 29550

Robinson File No.: 13510  
Serial: RNP/94-0315

**FEB 22 1994**

Director, Office of Nuclear Regulatory Research  
United States Nuclear Regulatory Commission  
Washington, DC 20555

**H. B. ROBINSON STEAM ELECTRIC PLANT**  
**DOCKET NO. 50-261**  
**LICENSE NO. DPR-23**  
**1993 PERSONNEL EXPOSURE AND MONITORING REPORT**

Gentlemen:

In accordance with 10CFR20.407, Carolina Power and Light Company herewith submits the Report of Individual Whole Body Exposures for the Year 1993 associated with the H. B. Robinson Steam Electric Plant.

The total whole body exposure reported on the Statistical Summary Report is an adjusted thermoluminescent dosimeter reading due to the separate reporting of License No. SNM-2502, Independent Spent Fuel Storage Installation.

If you have any question concerning this report, please contact my staff or me.

Very truly yours,

R. M. Krich  
Manager - Regulatory Affairs

WMB:lst  
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STATISTICAL SUMMARY REPORT  
H. B. ROBINSON STEAM ELECTRIC PLANT - 1993  
JANUARY THROUGH DECEMBER  
LICENSE NO. DPR-23

If personnel monitoring was not required to be provided to any individual during the year, checking this box will constitute a negative report indicating that such personnel monitoring was not required.

<u>WHOLE BODY EXPOSURE RANGE (REM)</u>	<u>NO. OF INDIVIDUALS IN RANGE</u>
Non-Measurable	1,135
Less than 0.1	454
0.1 to 0.25	301
0.25 to 0.50	247
0.50 to 0.75	116
0.75 to 1.00	54
1 to 2	49
2 to 3	0
3 to 4	0
4 to 5	0
5 to 6	0
6 to 7	0
7 to 8	0
8 to 9	0
9 to 10	0
10 to 11	0
11 to 12	0
12 and Over	0
	Total 2,356

Total Manrem: 336.871

APPENDIX B  
STANDARD FORMAT FOR REPORTING NUMBER OF PERSONNEL AND MANREM BY WORK AND JOB  
FUNCTION  
LICENSE NO. DPR-23

WORK AND JOB FUNCTION	NUMBER OF PERSONNEL >100 MREM			TOTAL MANREM BY POCKET DOSIMETER		
	STATION EMPLOYEES	UTILITY EMPLOYEES	OTHER EMPLOYEES	STATION EMPLOYEES	UTILITY EMPLOYEES	OTHER WORKERS
<b>Reactor Operations and Surveillance</b>						
Maintenance Personnel	2	0	2	1.085	0.070	0.600
Operating Personnel	8	0	0	3.437	0.000	1.135
Health Physics Personnel	23	0	4	5.167	0.010	0.830
Supervisory Personnel	0	0	0	0.030	0.000	0.035
Engineering Personnel	0	0	3	0.790	0.095	0.790
<b>Routine Maintenance</b>						
Maintenance Personnel	2	0	4	1.405	0.115	2.456
Operating Personnel	0	0	0	0.005	0.000	0.025
Health Physics Personnel	0	0	0	0.080	0.000	0.000
Supervisory Personnel	0	0	0	0.000	0.000	0.000
Engineering Personnel	0	0	0	0.120	0.030	0.175
<b>Inservice Inspection</b>						
Maintenance Personnel	0	0	0	0.050	0.000	0.580
Operating Personnel	0	0	0	0.000	0.000	0.000
Health Physics Personnel	0	0	0	0.020	0.000	0.000
Supervisory Personnel	0	0	0	0.000	0.000	0.000
Engineering Personnel	0	0	1	0.140	0.095	0.750
<b>Special Maintenance</b>						
Maintenance Personnel	24	3	103	8.525	1.065	43.788
Operating Personnel	3	0	1	1.505	0.000	0.655
Health Physics Personnel	5	0	14	1.805	0.000	3.600
Supervisory Personnel	0	0	2	0.040	0.000	0.475
Engineering Personnel	4	1	27	1.640	0.230	7.715

APPENDIX B  
 STANDARD FORMAT FOR REPORTING NUMBER OF PERSONNEL AND MANREM BY WORK AND JOB  
 FUNCTION  
 LICENSE NO. DPR-23

WORK AND JOB FUNCTION	NUMBER OF PERSONNEL >100 MREM			TOTAL MANREM BY POCKET DOSIMETER		
	STATION EMPLOYEES	UTILITY EMPLOYEES	OTHER EMPLOYEES	STATION EMPLOYEES	UTILITY EMPLOYEES	OTHER WORKERS
<b>Waste Processing</b>						
Maintenance Personnel	1	0	0	0.205	0.115	0.295
Operating Personnel	0	0	0	0.000	0.000	0.000
Health Physics Personnel	3	0	0	0.620	0.000	0.015
Supervisory Personnel	0	0	0	0.000	0.000	0.000
Engineering Personnel	0	0	1	0.000	0.000	0.200
<b>Refueling</b>						
Maintenance Personnel	68	38	277	30.922	11.842	109.880
Operating Personnel	36	0	1	11.010	0.000	2.275
Health Physics Personnel	31	0	46	9.471	0.015	19.495
Supervisory Personnel	3	0	6	0.895	0.155	2.410
Engineering Personnel	23	2	160	6.740	1.140	73.227
<b>Total</b>						
Maintenance Personnel	97	41	386	42.192	13.207	157.599
Operating Personnel	47	0	2	15.957	0.000	4.090
Health Physics Personnel	62	0	64	17.163	0.025	23.940
Supervisory Personnel	3	0	8	0.965	0.155	2.920
Engineering Personnel	27	3	192	9.430	1.590	82.857
<b>Grand Total</b>	<b>236</b>	<b>44</b>	<b>652</b>	<b>85.707</b>	<b>14.977</b>	<b>271.406</b>