



FPL Energy
Seabrook Station

FPL Energy Seabrook Station
P.O. Box 300
Seabrook, NH 03874
(603) 773-7000

March 14, 2006

Docket No. 50-443

SBK-L-06058

U. S. Nuclear Regulatory Commission
Attn.: Document Control Desk
Washington, DC 20555-0001

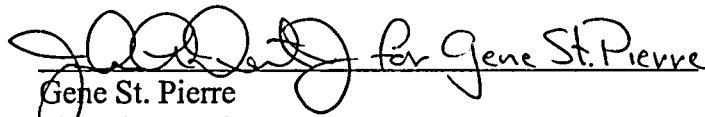
Seabrook Station
2005 Annual Report -- Radiation Exposure by Job Function

The FPL Energy Seabrook, LLC 2005 Annual Report of Radiation Exposure by Job Function is submitted in accordance with Technical Specification 6.8.1.2.a. and the guidance of Regulatory Guide 1.16.

Should you have any questions concerning this matter, please contact Mr. Ron Thurlow, Acting Health Physics Department Manager, at (603) 773-7438.

Very truly yours,

FPL Energy Seabrook, LLC


Gene St. Pierre
Site Vice President

cc: S. J. Collins, NRC Region I Administrator
E. G. Miller, NRC Project Manager, Project Directorate I-2
G.T. Dentel, NRC Senior Resident Inspector

JES4

ENCLOSURE TO SBK-L-06058

**FPLE Seabrook Station Personnel Exposure
Regulatory Guide 1.16 Annual Report for 2005
Man-Rem By Work and Job Function**

Work & Job Function	Number of Personnel (> 100mRem)				Total Man-Rem			
	Station Employees	Utility Employees	Contract Workers and Others	Total Persons	Station Employees	Utility Employees	Contract Workers and Others	Total Man-Rems
Inservice Inspection								
Engineering Personnel	0	0	5	5	0.000	0.000	0.721	0.721
Health Physics	1	0	0	1	0.001	0.000	0.000	0.001
Maintenance	3	0	1	4	0.004	0.000	0.011	0.015
Operations Personnel	0	0	0	0	0.000	0.000	0.000	0.000
Supervisory Personnel	0	0	0	0	0.000	0.000	0.000	0.000
Reactor Operation & Surveillance								
Engineering Personnel	0	0	0	0	0.000	0.000	0.000	0.000
Health Physics	9	0	0	9	0.090	0.000	0.000	0.090
Maintenance	3	0	3	6	0.035	0.000	0.013	0.048
Operations Personnel	4	0	0	4	0.281	0.000	0.000	0.281
Supervisory Personnel	0	0	0	0	0.000	0.000	0.000	0.000
Refueling								
Engineering Personnel	1	0	0	1	0.003	0.000	0.000	0.003
Health Physics	6	0	9	15	0.174	0.000	0.306	0.480
Maintenance	12	0	32	44	1.828	0.000	5.589	7.416
Operations Personnel	2	0	0	2	0.224	0.000	0.000	0.224
Supervisory Personnel	1	1	3	5	0.002	0.005	0.451	0.458
Routine Maintenance								
Engineering Personnel	1	0	1	2	0.267	0.000	0.100	0.367
Health Physics	12	0	17	29	2.208	0.000	2.359	4.566
Maintenance	21	0	87	108	1.910	0.000	10.674	12.583
Operations Personnel	3	0	0	3	0.045	0.000	0.000	0.045
Supervisory Personnel	2	1	7	10	0.321	0.094	0.915	1.330

**FPLE Seabrook Station Personnel Exposure
Regulatory Guide 1.16 Annual Report for 2005
Man-Rem By Work and Job Function**

Work & Job Function	Number of Personnel (> 100mRem)				Total Man-Rem			
	Station Employees	Utility Employees	Contract Workers and Others	Total Persons	Station Employees	Utility Employees	Contract Workers and Others	Total Man-Rems
Special Maintenance								
Engineering Personnel	0	0	0	0	0.000	0.000	0.000	0.000
Health Physics	0	0	0	0	0.000	0.000	0.000	0.000
Maintenance	0	0	0	0	0.000	0.000	0.000	0.000
Operations Personnel	0	0	0	0	0.000	0.000	0.000	0.000
Supervisory Personnel	0	0	0	0	0.000	0.000	0.000	0.000
Waste Processing								
Engineering Personnel	0	0	0	0	0.000	0.000	0.000	0.000
Health Physics	8	0	7	15	0.111	0.000	0.101	0.212
Maintenance	4	0	12	16	0.549	0.000	0.972	1.521
Operations Personnel	0	0	0	0	0.000	0.000	0.000	0.000
Supervisory Personnel	1	0	0	1	0.006	0.000	0.000	0.006
TOTAL								
Engineering Personnel	1	0	6	7	0.270	0.000	0.821	1.091
Health Physics	12	0	18	30	2.583	0.000	2.766	5.349
Maintenance	21	0	96	117	4.325	0.000	17.258	21.583
Operations Personnel	5	0	0	5	0.550	0.000	0.000	0.550
Supervisory Personnel	2	1	7	10	0.329	0.099	1.366	1.794
GRAND TOTAL	41	1	127	169	8.057	0.099	22.211	30.367

1) Individuals may appear in more than one work function.

2) Automatic processes not available to generate this report. Data manually extracted from the Access Control system, assigned NRC codes and sorted.

**FPLE Seabrook Station
Personnel Whole Body Exposure For Calendar Year 2005**

Annual Dose Ranges (REM)	Number of Individuals in Each Range	Total TEDE (REM)
No Measurable Exposure	536	0.000
Measurable Exposure Less than 0.10	880	22.035
0.10 - 0.25	129	18.270
0.25 - 0.50	38	10.929
0.50 - 0.75	2	1.168
0.75 - 1.00	0	0.000
1.00 - 2.00	0	0.000
2.00 - 3.00	0	0.000
3.00 - 4.00	0	0.000
4.00 - 5.00	0	0.000
5.00 - 6.00	0	0.000
6.00 - 7.00	0	0.000
7.00 - 8.00	0	0.000
8.00 - 9.00	0	0.000
9.00 - 10.00	0	0.000
10.00 - 11.00	0	0.000
11.00 - 12.00	0	0.000
12.00 +	0	0.000
Total Number of Individuals Reported	1585	52.402

* Individual values equal to the value separating exposure ranges are reported in the higher range.