



**FPL Energy**  
**Seabrook Station**

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

April 27, 2007

Docket No. 50-443  
SBK-L-07074

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

Seabrook Station  
2006 Annual Radioactive Effluent Release Report

Pursuant to 10CFR 50.36(a)(2) and Technical Specification 6.8.1.4, FPL Energy Seabrook, LLC submits the Annual Radioactive Effluent Release Report for 2006. A copy of the Offsite Dose Calculation Manual (ODCM) is also provided pursuant to Technical Specification 6.13.c. A summary of the changes to the ODCM is included in Enclosure 1, Appendix A.


The following information is provided in the enclosures:

- |             |   |
|-------------|---|
| Enclosure 1 | Effluent release data as required by Regulatory Guide 1.21                            |
| Enclosure 2 | Joint frequency distributions of wind speed, wind direction and atmospheric stability |
| Enclosure 3 | Radiation dose assessment   |
| Enclosure 4 | Offsite Dose Calculation Manual (ODCM), Revision 30                                   |

Should you have any questions regarding this letter, please contact Peter J. Harvey, Chemistry Department Manager, at (603) 773-7320.

Very truly yours,

FPL Energy Seabrook, LLC

  
\_\_\_\_\_  
Gene St. Pierre  
Site Vice President

JE48  
A009

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