



FPL Energy
Seabrook Station

FPL Energy Seabrook Station
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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:

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| 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

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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
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