



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

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

APR 27 2005

Docket No. 50-443  
SBK-L-05103

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

Seabrook Station  
2004 Annual Radioactive Effluent Release Report

FPL Energy Seabrook, LLC (FPLE Seabrook) hereby submits the Annual Radioactive Effluent Release Report for 2004. This report is submitted pursuant to 10CFR 50.36(a)(2) and Technical Specification 6.8.1.4. 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.

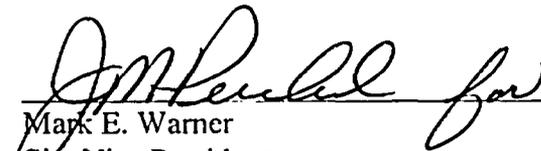
The following information is provided in the enclosures:

- |             |                                                                                       |
|-------------|---------------------------------------------------------------------------------------|
| 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 28                                   |

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

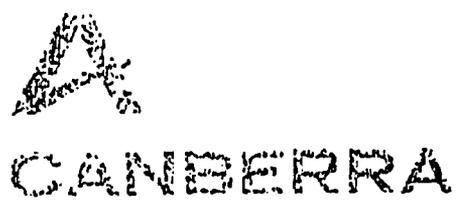
Very truly yours,

FPL Energy Seabrook, LLC

  
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Mark E. Warner  
Site Vice President

IE48  
A009

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



May 20, 2005

Mr. Dave Robinson  
Seabrook Station  
Chemistry Department  
P.O. Box 300  
Seabrook, NH 03874

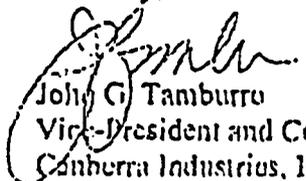
Via fax: 603-773-7303

Dear Mr. Robinson;

This is to confirm to you that FP&L Seabrook Station has the express permission of Canberra Industries, Inc. to use the Technical User Manual for OpenEMS in its documentation. The copyright statement that is in the Technical User Manual for OpenEMS pertains to the distribution of this manual for commercial use. The use of this manual for reference by FP&L to other agencies to support the methods used by OpenEMS is within FP&L's right to use as part of the software license agreement. Please consider this written permission to use the Technical User Manual for Open EMS as needed to clarify your procedures concerning Open EMS for your ODCM.

Please feel free to contact me with your questions.

Sincerely,

  
John G. Tamburro  
Vice-President and Corporate Counsel  
Canberra Industries, Inc.