



FPL Energy
Seabrook Station

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

MAY 20 2004

Docket No. 50-443
NYN-04045

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

References: FPLE Seabrook Letter NYN-03069, Seabrook Station License Amendment Request 03-01, "Changes to Electrical Power Systems – A.C. Sources Technical Specifications – Inclusion of the Supplemental Emergency Power System," dated August 25, 2003.

Seabrook Station
Response to Request for Additional Information
Regarding License Amendment Request 03-01

FPL Energy Seabrook, LLC (FPLE Seabrook) has enclosed herein its response to a request for additional information associated with License Amendment Request (LAR) 03-01. The additional information provides clarity with regards to the decrease in risk associated with FPLE Seabrook's planned installation of a permanent non safety-related supplemental emergency power system (SEPS). The results of the probabilistic risk assessment performed to quantitatively assess the risk impact when one EDG is out of service with the SEPS available indicate a significant decrease in core damage frequency (CDF) by up to 30 percent.

Should you have any questions concerning this response, please contact Mr. James M. Peschel, Regulatory Programs Manager, at (603) 773-7194.

Very truly yours,

FPL Energy Seabrook, LLC

Mark E. Warner
Site Vice President

A001

cc: H. J. Miller, NRC Region I Administrator
V. Nerses, NRC Project Manager, Project Directorate I-2
G. T. Dentel, NRC Senior Resident Inspector

Mr. Bruce Cheney, Director
New Hampshire Office of Emergency Management
State Office Park South
107 Pleasant Street
Concord, NH 03301

OATH AND AFFIRMATION

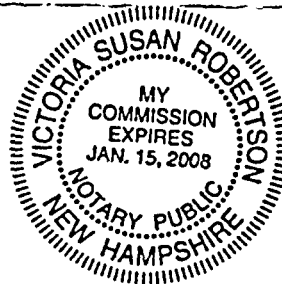
I, Mark E. Warner, Site Vice President of FPL Energy Seabrook, LLC, hereby affirm that the information and statements contained within this response to the Request for Additional Information to License Amendment Request 03-01 are based on facts and circumstances which are true and accurate to the best of my knowledge and belief.

Sworn and Subscribed
before me this

20th day of May, 2004

Victoria Susan Robertson
Notary Public

Mark E. Warner
Mark E. Warner
Site Vice President



Enclosure to NYN-04045

Response to Request for Additional Information
Seabrook Station, Unit No. 1

RAI: In the table at the top of page 22 of section 1 of the August 25, 2003 submittal, the base case (baseline) risk calculations are for a 3-day Allowed Outage Time (AOT) with no SEPS. Submit new baseline risk calculations (Revise Case number 1: "3-day AOT with the SEPS with normal expected unavailabilities.") which will determine the net effect on risk of the proposed 14-day EDGs AOT of the Delta Core Damage Frequency and delta Large Early Release Frequency.

Response:

New case 1a is presented below. The case presents risk calculations for a 3-day AOT with the Supplemental Emergency Power System and normal expected unavailabilities. Consistent with the methodology in the LAR, the new case is compared to case 3 for determining Δ CDF and Δ LERF.

Case Number	Description	CDF Mode 1,2,3	CDF Mode 4,5,6	CDF Mode 1-6	LERF Mode 1,2,3
1a	3-day AOT with the SEPS with normal expected unavailabilites.	2.94E-05	1.82E-05	4.76E-05	9.66E-08
N/A	Δ CDF and Δ LERF = Case 3 – Case 1a	1.90E-6	-1.90E-6*	2.00E-7	9.00E-10

* Note: The Mode 4,5,6 Δ CDF is negative because the Case 3 model does not include planned unavailability for the existing Emergency Diesel Generators (EDG) during modes 4,5,6. If a 14 day AOT is granted, preventive maintenance for the EDGs will generally not be performed during shutdown.