



FPL Energy
Seabrook Station

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

July 31, 2008

Docket No. 50-443
SBK-L-08108

United States Nuclear Regulatory Commission
Attention: Document Control Desk
Washington, D.C. 20555-0001

Seabrook Station
Annual Reporting of Changes to, or Errors in
Emergency Core Cooling System Models or Applications

In accordance with the requirements of 10 CFR 50.46(a)(3)(ii), FPL Energy Seabrook, LLC submits a tabulation of the current Large Break and Small Break LOCA PCT margin utilization tables applicable to Seabrook Station. Compliance with 10 CFR 50.46 requirements is demonstrated by the current composite Large Break LOCA PCT of 1789 °F remaining well below the limit of 2200 °F. The cumulative change in the Large Break LOCA PCT is +5°F from the analysis of record value. The current Small Break LOCA PCT of 1373 °F also remains well below the limit of 2200 °F. There is currently no Small Break LOCA PCT cumulative change.

Should you have any questions regarding this report, please contact Mr. Paul V. Gurney, Reactor Engineering Supervisor, at (603) 773-7776.

Very truly yours,

FPL Energy Seabrook, LLC

Gene St. Pierre
Site Vice President

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

A002
NRR

ENCLOSURE TO SBK-L-08108

Seabrook SBLOCA and LBLOCA PCTs

	<u>Peak Clad Temperature</u>	<u>Cumulative Change</u>
<u>SBLOCA</u>		
2006 10 CFR 50.46 Annual Report (Ref. 1)	1373 °F	-----
2007 Assessments	0 °F	0 °F
2007 10 CFR 50.46 Annual Report	1373 °F	0 °F

<u>LBLOCA</u>		
2006 10 CFR 50.46 Annual Report (Ref. 1)	1789 °F	5 °F
2007 Assessments	0 °F	0 °F
2007 10 CFR 50.46 Annual Report	1789 °F	5 °F

References

1. Letter from Gene St. Pierre to USNRC Document Control Desk, "Seabrook Station Annual Reporting of Changes to, or Errors in Emergency Core Cooling System Models or Applications," SBK-L-07103, July 18, 2007.