FPL Energy
Seabrook Station

FPL Energy Seabrook Station
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April 28, 2006
Docket No. 50-443

SBK-L-06104

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

Seabrook Station
Facility Operating License NPF-86
Response to Request for Additional Information Regarding
License Amendment Request 05-04
Application for Measurement Uncertainty Recapture Power Uprate

References:

1. FPL Energy Seabrook, LLC letter (SBK-L-05205) to USNRC, "License Amendment Request 05-04, Application for Measurement Uncertainty Recapture Power Uprate," dated September 22, 2005.
2. Memo to D. J. Roberts NRC from G. E. Miller NRC, "Seabrook Station Unit No. 1 Facsimile Transmission, Draft Request for Additional Information (RAI) to be Discussed in an Upcoming Conference Call (TAC NO. MC8434), dated January 24, 2006.
3. FPL Energy Seabrook, LLC letter (SBK-L-06055) to USNRC, "Response to Request for Additional Information Regarding License Amendment Request 05-04, Application for Measurement Uncertainty Recapture Power Uprate," dated March 24, 2006.

By letter dated September 22, 2005 (Reference 1), FPL Energy Seabrook, LLC (FPL Energy Seabrook) requested an amendment to facility operating license NPF-86 and the Seabrook Station Technical Specifications. This license amendment request (LAR) is an application for a measurement uncertainty recapture power uprate which will increase the Seabrook Station licensed reactor core power by 1.7% from 3587 megawatts thermal (MWt) to 3648 MWt.

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By letter dated March 24, 2006 (Reference 3), FPL Energy Seabrook submitted responses to an NRC request for additional information (Reference 2). During a conference call between members of the NRC staff and FPL Energy Seabrook on April 25, 2006, the NRC requested clarification on the responses to RAI's 3 and 5. The clarification to these responses is provided below.

RAI #3

The following is added to the response for RAI #3:

> The values in the Seabrook Station Uncertainty column of Table 2.3-1, Total Power Uncertainty Determination are bounding uncertainty values.
>
> A site-specific radioactive tracer test was performed at Seabrook Station to determine actual moisture carryover for input into the uncertainty calculation for Item 7 on Table 2.3-1, "Steam enthalpy: pressure input and moisture uncertainty." Actual moisture carryover was measured to be 0.141% with an uncertainty of $\pm$0.016% based on the test methods and analysis of the data recorded.

RAI #5

The final sentence in the response is revised to include hardware such that it reads:

> "The software and hardware configuration is maintained in accordance with the Seabrook Station change control process which includes verification and validation of changes to software and hardware configuration."

Should you have any questions concerning this submittal, please contact Mr. Stephen T. Hale, Power Uprate Project Manager, at (603) 773-7561.

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
G. T. Dentel, NRC Resident Inspector

Mr. Bruce Cheney, ENP, Director, Division of Emergency Services
NH Department of Safety,
Division of Emergency Services, Communications and Management
Bureau of Emergency Management
33 Hazen Drive
Concord, NH 03305

Oath and Affirmation

I, Gene St. Pierre, Site Vice President of FPL Energy Seabrook, LLC hereby affirm that the information and statements contained within this correspondence 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
28th day of April, 2006

Shirley Sweeney
Notary Public

Gene St. Pierre
Site Vice President