

June 21, 2006

MEMORANDUM TO: Darrell J. Roberts, Chief
Plant Licensing Branch I-2
Division of Operating Reactor Licensing
Office of Nuclear Reactor Regulation

FROM: G. Edward Miller, Project Manager **/RAI/**
Plant Licensing Branch I-2
Division of Operating Reactor Licensing
Office of Nuclear Reactor Regulation

SUBJECT: SEABROOK STATION, UNIT NO. 1 - FACSIMILE TRANSMISSION,
DRAFT REQUEST FOR ADDITIONAL INFORMATION (RAI) TO BE
DISCUSSED IN AN UPCOMING CONFERENCE CALL
(TAC NO. MC9165)

The enclosed draft RAI was transmitted by facsimile on June 21, 2006, to Mr. Mike O'Keefe, FPL Energy Seabrook, LLC (FPLE). This draft RAI was transmitted to facilitate the technical review being conducted by the Nuclear Regulatory Commission (NRC) staff and to support a conference call with FPLE in order to clarify certain items in the licensee's submittal. The draft RAI is related to FPLE's submittal dated December 6, 2005, regarding a license amendment request to revise the Seabrook Station, Unit No. 1, Technical Specification 3.8.3.1, "Onsite Power Distribution," to extend the allowed outage time for the two balance-of-plant vital inverters from 24 hours to 7 days. Review of the draft RAI would allow FPLE to determine and agree upon a schedule to respond to the RAI. This memorandum and the attachment do not convey a formal request for information or represent an NRC staff position.

Docket No. 50-443

Enclosure:
Draft Request for Additional Information

June 21, 2006

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Plant Licensing Branch I-2
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DRAFT

REQUEST FOR ADDITIONAL INFORMATION

SEABROOK STATION, UNIT NO. 1

(TAC NO. MC9165)

By letter dated December 6, 2005, FPL Energy Seabrook, LLC (FPLE) submitted a license amendment request to revise the Seabrook Station, Unit No. 1, Technical Specification 3.8.3.1, "Onsite Power Distribution," to extend the allowed outage time (AOT) for the two balance-of-plant vital inverters from 24 hours to 7 days. The Nuclear Regulatory Commission staff requests the following additional information to complete its review.

1. Provide a list of risk-important components and configurations that would be impacted by the proposed amendment.
2. This amendment request is a follow-up to a notice of enforcement discretion (NOED) granted on November 30, 2005. During the discussions regarding the NOED, FPLE stated that the risk would be increased by a small amount as a result of the AOT extension. Provide the changes incremental conditional core damage probability and incremental conditional large early release probability for the proposed amendment. Additionally, address the changes with respect to core damage frequency.
3. Discuss the Seabrook probabilistic risk assessment (PRA) quality with emphasis on the systems and trains affected by this amendment. Include any potential human errors and risk contributors from external events.
4. Provide a qualitative or quantitative assessment of the risk changes of:
 - a. Risk-important components and configurations that will be affected by the proposed extension. Please focus on fire protection equipment.
 - b. Risk-quantification tools, including PRA model and uncertainty (or parametric uncertainty).
 - c. Compensatory measures to neutralize the potential risk increases due to the amendment. Discuss the compensatory measures in both quantifiable and non-quantifiable terms, if possible.
 - d. Discuss the reliability of the inverter and any programs designed to improve its reliability. Please include any relationships to maintenance preventable functional failures under Title 10 of the *Code of Federal Regulations* Section 50.65 requirements.
 - e. Potential internal and external events
 - f. Configuration control program and the on-line risk monitor.

Enclosure