

February 16, 2006

Mr. Gene F. St. Pierre, Site Vice President  
c/o James M. Peschel  
Seabrook Station  
FPL Energy Seabrook, LLC  
PO Box 300  
Seabrook, NH 03874

SUBJECT: REQUEST FOR ADDITIONAL INFORMATION REGARDING LICENSE  
AMENDMENT REQUEST TO INCREASE TECHNICAL SPECIFICATION  
3.8.3.1, "ONSITE POWER DISTRIBUTION," VITAL INVERTER ALLOWED  
OUTAGE TIME (TAC NO. MC9165)

Dear Mr. St. Pierre:

By letter dated December 6, 2005, FPL Energy Seabrook, LLC submitted license amendment request (LAR) 05-11. The LAR requested to revise 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.

The Nuclear Regulatory Commission staff has been reviewing the submittal and has determined that additional information is needed to complete its review. These questions were discussed with Mr. Michael O'Keefe of your staff on February 6, 2006. A response to this request for additional information (RAI) is requested to be provided within 45 days. If you need additional time to respond to these questions, please let me know.

Sincerely,

**/RA/**

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

Docket No. 50-443

Enclosure:  
RAI

cc w/encl: See next page

February 16, 2006

Mr. Gene F. St. Pierre, Site Vice President  
c/o James M. Peschel  
Seabrook Station  
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The Nuclear Regulatory Commission staff has been reviewing the submittal and has determined that additional information is needed to complete its review. These questions were discussed with Mr. Michael O'Keefe of your staff on February 6, 2006. A response to this request for additional information (RAI) is requested to be provided within 45 days. If you need additional time to respond to these questions, please let me know.

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REQUEST FOR ADDITIONAL INFORMATION

REVISION TO TECHNICAL SPECIFICATION 3.8.3.1, "ONSITE POWER DISTRIBUTION"

FPL ENERGY SEABROOK, LLC

SEABROOK STATION

DOCKET NO. 50-443

By letter dated December 6, 2005, FPL Energy Seabrook, LLC (FPLE) submitted license amendment request (LAR) 05-11. The LAR requested to revise the Seabrook Station, Unit No. 1 (Seabrook) Technical Specification (TS) 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. The Nuclear Regulatory Commission staff has been reviewing the submittal and has determined that the following additional information is needed to complete its review with respect to instrumentation and controls.

1. With a longer allowed outage time for vital bus inverters associated with 120-volt (V) alternating current (ac) instrument buses 1E and 1F, provide any compensatory measures that would be taken before and during the time the instrument bus inverter is removed for an extended outage. For any compensatory measure, identify how those actions will be documented and controlled at Seabrook.
2. When an inverter is taken out for service, and upon a loss-of-offsite power (LOOP) or LOOP/loss-of-coolant accident (LOCA) event, the 120-V ac instrument bus that is being powered by its maintenance power supply will lose its power for ten seconds until the associated emergency diesel generator (EDG) re-energizes the bus.
  - a. Provide an evaluation of the effects of a short-term loss of power to the 120-V ac instrument panels (EDE-PP-IF, EDE-PP-IIF, EDE-PP-IE, and EDE-PP-IIE) in terms of inadvertent equipment operation and required contingency operator actions. Also, provide an evaluation of the effects of a short-term loss of power caused by a LOOP or LOOP/LOCA and a subsequent restoration of power to the motor control centers by the EDG.
  - b. Provide the plant procedure references for these contingency actions.
3. As stated in Regulatory Guide 1.177, "An Approach for Plant-Specific, Risk-Informed Decision Making Technical Specification," a TS change may be requested to reduce unnecessary burdens in complying with current TS requirements, based on the operating history of the plant or the industry in general. Provide maintenance (e.g., time to repair and test) and operating (e.g., maintenance power supply and inverter failure rates) data to support the extended outage time.

Enclosure

Seabrook Station, Unit No. 1

cc:

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Seabrook Station, Unit No. 1

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