

May 5, 2003

MEMORANDUM TO: James W. Clifford, Chief, Section 2
Project Directorate I
Division of Licensing Project Management
Office of Nuclear Reactor Regulation

FROM: Victor Nerses, Sr. Project Manager, Section 2 /RA/
Project Directorate I
Division of Licensing Project Management
Office of Nuclear Reactor Regulation

SUBJECT: SEABROOK STATION, UNIT NO. 1, FACSIMILE TRANSMISSION,
DRAFT REQUEST FOR ADDITIONAL INFORMATION (RAI)
(TAC NO. MB6614)

The attached draft RAI was transmitted by facsimile on May 5, 2003, to Mr. Mike O'Keefe of FPL Energy Seabrook, LLC (the licensee). This draft RAI was transmitted to facilitate the technical review being conducted by NRR staff. The RAI was related to the licensee's October 11, 2002, submittal concerning relocating Boration Systems technical specifications. Review of the RAI would allow the licensee to determine and agree upon a schedule to respond to the RAI. This memorandum and the attachment do not convey or represent an NRC staff position regarding the licensee's request.

Docket No. 50-443

Attachment: Draft RAI

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PDI-2 Reading

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DATE	5/5/03	5/2/03

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DRAFT REQUEST FOR ADDITIONAL INFORMATION

BY THE OFFICE OF NUCLEAR REACTOR REGULATION
FACILITY OPERATING LICENSE NO. NPF-86
FPL ENERGY SEABROOK, LLC
SEABROOK STATION
DOCKET NO. 50-443
TAC NO. MB6614

1. In your application dated October 11, 2002, you proposed to remove Technical Specifications (TS) 3.1.2.1 through 3.1.2.6, "Boration Systems." If allowed, the surveillance requirements for the valves, pumps, boration source and flow paths will be removed from the Technical Specifications and placed in a licensee controlled document. Valves V142 and V143, which would be removed from the TS as a result of this proposed action, specifically appear to be containment isolation valves (PID 1-CS-B20722). Please clarify how the surveillance requirements will be maintained for these components.
2. The modification of TS 3.1.2.7 is proposed to allow the Boron Thermal Regeneration System demineralizer beds to be used for reactor coolant system shutdown chemistry cleanup during Modes 4, 5, and 6. The current specification requires isolation of all of the Boron Thermal Regeneration System demineralizer beds during Modes 4, 5, and 6. However, the change in the TS allows use of the demineralizer beds which have been saturated with boron and therefore no longer remove boron from the RCS. Pages 8 and 9 of Section I describe the actions taken to ensure that the potential for a dilution event from inadvertent use of the demineralizer bed during Mode 1 is bounded by the existing limiting event described in the UFSAR, Chapter 15.4.6, "Chemical and Volume Control System Malfunction that Results in a Decrease in the Boron Concentration in the Reactor Coolant." However deborating demineralizer beds could be inadvertently used during Modes 4, 5, and 6, resulting in a dilution event. A Mode 4, 5, or 6 dilution event resulting from deboration by unisolated demineralizer beds with unborated mixed bed resin has not been analyzed in your submittal. Please provide an analysis that demonstrates compliance with SRP Chapter 15.4.6, "Chemical and Volume Control System Malfunction that Results in a Decrease in Boron Concentration in the Reactor Coolant."