

April 17, 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
Project Directorate I
Division of Licensing Project Management
Office of Nuclear Reactor Regulation */RA/*

SUBJECT: SEABROOK STATION, UNIT NO. 1, FACSIMILE TRANSMISSION,
DRAFT REQUEST FOR ADDITIONAL INFORMATION (RAI) TO BE
DISCUSSED IN AN UPCOMING CONFERENCE CALL
(TAC NO. MB6613)

The attached draft RAI was transmitted by facsimile on April 17, 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 pressure/temperature curves and low temperature overpressure protection. 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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J. Clifford

V. Nerses

M. Khanna

PDI-2 Reading

Accession Number: ML031080071

*See previous concurrence

OFFICE	PDI-2/PM	PDI-2/PM	EMCB/SC*
NAME	GMiller	VNerses	MMitchell for SCoffin
DATE	4/17/03	4/17/03	4/17/03

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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. MB6613

1. The proposed 20 effective full power years (EFPY) pressure-temperature (P-T) limit curves are based on the methods of Code Case N-641, "Alternative Pressure-Temperature Relationship and Low Temperature Overpressure Protection System Requirements, Section XI, Division 1." The latest editions of ASME Section XI, Appendix G, endorsed by reference in 10 CFR 50.55a allow for use of plant specific K_{IT} and temperature gradient values as acceptable inputs for the calculation of P-T limits for operating reactors. For each "32 EFPY P-T limit" data point given in Tables 9-1 and 9-2 of Topical Report WCAP-15047, Revision 2, provide the corresponding K_{IT} and temperature gradient values (i.e., the ΔT values between the temperatures for RCS coolant and those at the 1/4T and 3/4T thickness locations of the RV) that were used for calculation of the data point.