



MAINE YANKEE ATOMIC POWER COMPANY •

Box 450, RFD 2
Wiscasset, Maine 04578

August 20, 1982

MN-82-165

United States Nuclear Regulatory Commission
Directorate of Regulatory Operations
Region I
631 Park Avenue
King of Prussia, Pennsylvania 19406

Reference: License No. DPR-36 (Docket No. 50-309)

Dear Sir:

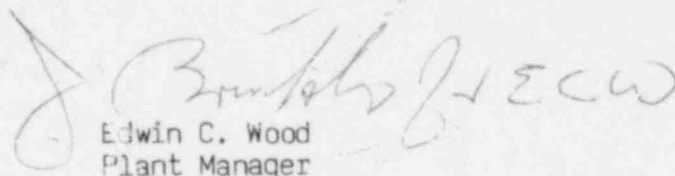
Subject: Maine Yankee Reportable Occurrence 82-24/01T-0

Pursuant to the requirements of Technical Specification 5.9.1.6.I, the Maine Yankee Atomic Power Company hereby submits the following report.

An investigation of LPSI pump NPSH requirements during a double ended cold leg LOCA injection phase with one LPSI pump inoperable reveals that, after approximately eleven minutes into the transient, the pump may operate in a mode precluded in the FSAR. Under these conditions, at pump run out, the required NPSH may momentarily exceed available NPSH, causing a reduction in flow and a correspondingly lower required NPSH. Discussions with the pump manufacturer and architect engineer verify this mode of operation as perfectly acceptable and raises no concern for safety. The flow rates to the RCS under these circumstances are always well above what is required by the accident analysis. This information is being reported to identify a LPSI pump mode of operation not in accordance with the description in the FSAR.

Very truly yours,

MAINE YANKEE ATOMIC POWER COMPANY


Edwin C. Wood
Plant Manager

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