



ATOMIC POWER COMPANY •  
ENGINEERING OFFICE

1671 WORCESTER ROAD  
FRAMINGHAM, MASSACHUSETTS 01701  
617-872-8100

September 3, 1982

MN 82-176

United States Nuclear Regulatory Commission  
Washington, D. C. 20555

Attention: Mr. Robert A. Clark, Chief  
Office of Nuclear Reactor Regulation  
Operating Reactors Branch #3  
Division of Licensing

References: (a) License No. DPR-36 (Docket No. 50-309)  
(b) YAEC Letter to USNRC, dated April 8, 1982

Subject: YAEC DNBR Limit Methodology - Reference Document

Dear Sir:

The purpose of this letter is to provide Mr. Gene Hsii, at his request, reference material discussed in the Topical Report YAEC 1296P, submitted in Reference (b). This document, "Prediction of Critical Heat Flux in Flow Boiling at Low Qualities", was listed as Reference 4 of our Topical Report YAEC 1296P, page 31.

In an effort to expedite the transmittal of this information for your review, we have enclosed the report herein. We wish to emphasize that this report is referenced as part of our Topical Report YAEC 1296P, which we submitted as proprietary information under 10CFR2.790(b)(1). As such, we request that this material, also, be held in confidence since its release is likely to cause substantial harm to the competitive position of Yankee Atomic Electric Company.

We trust that you will find this satisfactory.

Very truly yours,

MAINE YANKEE ATOMIC POWER COMPANY

Robert H. Groce  
Senior Engineer - Licensing

*Limited  
Distribution*

*PA01 Add: Gene  
Hsii*

8209080410 820903  
PDR ADOCK 05000309  
P PDR