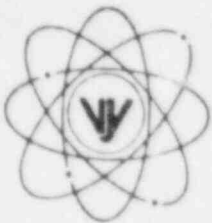


# VERMONT YANKEE NUCLEAR POWER CORPORATION



RD 5, Box 169, Ferry Road, Brattleboro, VT 05301

REPLY TO:  
ENGINEERING OFFICE

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

October 22, 1985  
FVY 85-98

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

Attention: Office of Nuclear Reactor Regulation  
Mr. H. R. Denton, Director

References: (a) License No. DPR-28 (Docket No. 50-271)  
(b) Letter, YAEK to NRC, FVY 83-4, dated January 14, 1983

Subject: Review and Licensing Approval of Yankee's RELAP5YA Computer  
Program for LOCA Analyses

Dear Sir:

By letter dated January 14, 1983 [Reference (b)], Yankee submitted RELAP5YA, a Computer Program for Light-Water Reactor System Thermal-Hydraulic Analysis, to NRC for review and licensing approval. Since that time, we have provided several additional submittals and held numerous discussions with your staff concerning the Code's development and topical licensing review. During the discussion with your staff regarding the status and future schedule of NRC's review of the RELAP5YA Code, your staff indicated that NRC resources were such that a full commitment could not be made to perform the necessary safety evaluation reviews on a schedule consistent with that outlined in Attachment 1 to this letter. Vermont Yankee acknowledges the substantial level of NRC resources required to complete the licensing review of the Code on a timely schedule; therefore, Vermont Yankee management is willing to meet and discuss the significant safety benefits resulting from this effort prior to the expenditure of further resources.

The development of this plant-specific analytical capability was initiated over five years ago and is consistent with NRC's efforts to promote safety-related development efforts of this kind. The RELAP5YA Code will provide Vermont Yankee with a LOCA analysis capability that will cover the entire break size and location spectra for LOCA events in a manner which conforms to the requirements contained in 10CFR50.46 and Appendix K. Vermont Yankee considers the development and licensing of the RELAP5YA LOCA Code to be one of high importance and one in which NRC's review schedule has direct impact upon our planned application of this method for Vermont Yankee's Cycle 14 high energy bundle reload.

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Therefore, due to the importance of the RELAP5YA LOCA Code development to Vermont Yankee and the impact of the NRC licensing review schedule upon its planned application, Vermont Yankee management is willing to meet with you to discuss the commitment of resources necessary to ensure timely completion of the Code's licensing review. We look forward to the opportunity to discuss this issue with you in the near future.

Very truly yours,

VERMONT YANKEE NUCLEAR POWER CORPORATION



D. Hunter  
Vice President

DH/pms

# VY LOCA LICENSING ANALYSIS SCHEDULE

TASK	1985				1986				1987				1988			
	1Q	2Q	3Q	4Q	1Q	2Q	3Q	4Q	1Q	2Q	3Q	4Q	1Q	2Q	3Q	4Q

## 1. RELAP5YA QUESTIONS/ANSWERS

- a. General Questions (197)
- b. Additional Questions (39)
- c. NRC Review

## 2. VY LOCA SAMPLE PROBLEMS

- a. YAEC Perform
- b. NRC Review

## 3. VY LOCA ANALYSES

- a. YAEC Perform
- b. NRC Review

