

YANKEE ATOMIC ELECTRIC COMPANY

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November 6, 1989

BVY 89-102
DCC 89-049

United States Nuclear Regulatory Commission
Document Control Desk
Washington, DC 20555

- References:
- (a) License No. DPR-28 (Docket No. 50-271)
 - (b) Letter, VYNPC to USNRC, FVY 88-89, dated October 13, 1988
 - (c) Letter, VYNPC to USNRC, BVY 89-20, dated February 27, 1989
 - (d) Letter, USNRC to VYNPC, SER, NVY 82-157, dated September 15, 1982
 - (e) Letter, USNRC to TVA, SER, dated April 7, 1983
 - (f) Letter, VYNPC to USNRC, BVY 89-60, June 30, 1989 with Topical Reports YAEC-1693 and YAEC-1694.

Subject: Request to Change the "Method for Generation of One-Dimensional Kinetics Data for RETRAN-02" and "Application of One-Dimensional Kinetics to Vermont Yankee Transient Analysis Methods" Reports to Generic Reports

Dear Sir:

Vermont Yankee submitted the topical reports provided in Reference (f) for your review and approval. The reports document the methods for generating the one-dimensional (1-D) input data for RETRAN-02 and analyzing transients with RETRAN-02 with the 1-D kinetics option. The purpose of this letter is to request a change in the review and approval basis from Vermont Yankee specific to generic because the methods described in the reports are applicable to all boiling water reactors (BWR).

The report, "Method for Generation of One-Dimensional Kinetics Data for RETRAN-02," YAEC-1694, [enclosed with Reference (f)] provides the methodology used to produce 1-D cross sections and kinetics parameters for input to the 1-D space-time kinetics model of RETRAN-02. The report, "Application of One-Dimensional Kinetics to Vermont Yankee Transient Analysis Methods," YAEC-1693, [enclosed with Reference (f)] presents the methodology, verification, and justification for application of the RETRAN-02 1-D kinetics option to the presently approved transient analysis methods. These 1-D kinetics reports use Vermont Yankee as an example in demonstrating and documenting the methods' application. The methods, however, can be applied to all BWR reactors.

The request for a Vermont Yankee specific review was based upon these methods first being applied to Vermont Yankee. However, the methods can be used to analyze other BWRs. Therefore, we are requesting to change the review and approval process to that which is applicable to generic topical reports. In this way, we will not have to request additional review for each application.

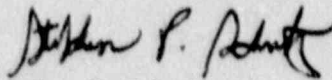
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We trust that this information supports our request; however, should you have any questions on this matter, please contact us.

Very truly yours,
YANKEE ATOMIC ELECTRIC COMPANY



Stephen P. Schultz
Vice President

cc: USNRC Region I Administrator
USNRC Resident Inspector - VYNPS
USNRC Project Manager - VYNPS