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 September 15, 1982

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Docket No. 50-271

Mr. J. B. Sinclair
 Licensing Engineer
 Vermont Yankee Nuclear Power
 Corporation
 1671 Worcester Road
 Framingham, Massachusetts 01701

Dear Mr. Sinclair:

You have submitted for review reports describing methods to be used for analysis of the physics and thermal-hydraulic performance of the Vermont Yankee core. These reports are:

1. YAEC-1232, "Methods for the Analysis of BWRs, Lattice Physics" 12/31/80.
2. YAEC-1238, "Methods for the Analysis of BWRs, Steady State Core Physics," 3/24/81.
3. YAEC-1239P, "Methods for the Analysis of BWRs, Transient Core Physics," 8/19/81.
4. YAEC-1299-P, "Methods for the Analysis of BWRs, Transient Critical Power Ratio Analysis," 3/30/82.
5. YAEC-1234, "Methods for the Analysis of BWRs Steady-State Core Flow Distribution Code (FIBWR)," 12/31/80.

The methods described in the above cited reports are acceptable for reference in licensing actions for the Vermont Yankee plant. We encourage the continuing effort at Yankee Atomic to monitor the performance of the codes described in the above cited reports and to refine further the various ascribed uncertainties. The staff would like to be kept informed of any significant developments.

A Safety Evaluation describing our review of these methods is enclosed.

Sincerely,
 Original signed by
 D. B. Vassallo

Domenic B. Vassallo, Chief
 Operating Reactors Branch #2
 Division of Licensing

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Enclosure:
 Safety Evaluation

cc: w/enclosure
 See next page

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SURNAME	S. Norris	V. Rooney:pr	D. Vassallo	G. Lainas		
DATE	9/15/82	9/15/82	9/29/82	9/29/82		

Mr. J. B. Sinclair

cc:

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