



UNITED STATES
NUCLEAR REGULATORY COMMISSION
WASHINGTON, D. C. 20555

July 31, 1979

Docket No. 50-29

Mr. Robert H. Groce
Licensing Engineer
Yankee Atomic Electric Company
20 Turnpike Road
Westboro, Massachusetts 01581

Dear Mr. Groce:

Based on our review of your submittals dated July 18, 1977 and March 29, 1978, we have concluded that your basis for not proposing a design modification to the Yankee-Rowe electrical power distribution system undervoltage protection is not acceptable.

You contend that compliance with the positions, transmitted in our letter dated June 3, 1977, violates General Design Criterion (GDC) 17. GDC-17 requires that the safety functions of each of the offsite and onsite system (assuming the other system is not functioning) shall be to provide sufficient capacity and capability to assure that: (a) specified acceptable fuel limits and the design conditions for the reactor coolant pressure boundary are not exceeded as a result of anticipated operational occurrences; and (b) the core is cooled and containment integrity and other vital functions are maintained during any of the postulated accidents. The offsite power system is the common source which normally supplies power to the redundant safety related buses. Any transient or sustained degradation of this common source will affect the safety related buses and could result in loss of or damage to redundant safety loads.

Our position is that without a modification your existing system may not meet the requirements of GDC-17, accordingly, we require that you propose design modifications and changes to the Technical Specification based on the guidance in the staff positions given in our June 3, 1977 letter.

Your response is requested within 30 days of the date of this letter.

Sincerely,

A handwritten signature in dark ink, reading "Dennis L. Ziemann", is written over the typed name.

Dennis L. Ziemann, Chief
Operating Reactors Branch #2
Division of Operating Reactors

cc: See next page

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Mr. Robert H. Groce

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July 31, 1979

cc

Mr. Lawrence E. Minnick, President
Yankee Atomic Electric Company
20 Turnpike Road
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Greenfield Community College
1 College Drive
Greenfield, Massachusetts 01301

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