



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

June 10, 1980

Docket No. 50-70

Mr. R. W. Darmitzel, Manager
Irradiation Processing Product Section
Vallecitos Nuclear Center
General Electric Company
P. O. Box 460
Pleasanton, California 94566

Dear Mr. Darmiczel:

On May 23, 1980 we issued our position regarding the proper geologic and seismic design bases for the General Electric Test Reactor (GETR). The design bases we specified are more severe than those upon which your structural analyses are based. By letters dated April 23 and May 8, 1980, you submitted reports regarding the effects of various combinations of vibratory ground motion and surface offset. As a result of our review of your reports as well as discussions with our consultants, we find that additional information, as indicated below, is necessary before we can complete our evaluation of the GETR seismic design.

You are requested to provide additional information justifying the ability of the facility, including all essential structures, systems and components, to meet the loadings associated with the design bases specified in our May 23, 1980 evaluation. This information should include, for both the maximum vibratory ground motion case and the combined surface rupture and vibratory ground motion case, a description of the combined effects (e.g. stresses, response spectra) at the highly affected regions and how these effects were determined. All design basis loads, including seismic loads due to motion in two horizontal and one vertical direction, should be considered in determining the combined effects. If, in your determination of the loadings associated with our specified design bases, you intend to rely on your analysis of "incipient local yielding" of the supporting soils (May 8, 1980 submittal) you must provide these analyses for our review.

Please inform us of your response schedule within seven days of the date of this letter.

Sincerely,

A handwritten signature in cursive script that reads "Robert A. Clark".

Robert A. Clark, Chief
Operating Reactors Branch #3
Division of Licensing

cc: See next page

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General Electric Company

cc w/enclosure(s):

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