

January 25, 1988

Docket Nos. 50-259/260/296

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Mr. S. A. White
Manager of Nuclear Power
Tennessee Valley Authority
6N 38A Lookout Place
1101 Market Street
Chattanooga, Tennessee 37402-2801

Dear Mr. White:

SUBJECT: ALTERNATE INPUT FOR SEISMIC SYSTEM ANALYSIS-ARTIFICIAL TIME HISTORY
(TAC 00158/00159/00160)

Re: Browns Ferry Nuclear Plant, Units 1, 2 and 3

By letter dated May 26, 1987, TVA submitted justification for the proposed use of artificial ground motion time history as an alternate seismic input for seismic system analyses. The staff has completed its review of the subject submittal and determined that the use of artificial ground motion time histories is appropriate for the purpose of seismic re-analysis. However, the staff finds that TVA has not completely satisfied the SRP 3.7.1 enveloping requirements in that the response spectra obtained from the generated artificial time histories did not envelop the design ground response spectra for all damping values to be used in the analyses of structures, systems and components. This position is consistent with NRC practice applied to other licensing and operating reactor reviews as well as the position taken as a part of the SEP plant reviews.

Our safety evaluation is enclosed. If you have any further questions, please contact the Browns Ferry Project Manager, Gerry Gears, at 301-492-0767.

Sincerely,

Original signed by:

Gary G. Zech, Assistant Director
for Projects
TVA Projects Division
Office of Special Projects

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Enclosure:
As stated

cc: See next page

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OSE: TVA/LA
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GZech
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Mr. S. A. White
Tennessee Valley Authority

Browns Ferry Nuclear Plant
Units 1, 2, and 3

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