

Docket Nos. 50-390  
and 50-391

July 11, 1991

Mr. Dan A. Nauman  
Senior Vice President, Nuclear Power  
Tennessee Valley Authority  
6N 38A Lookout Place  
1101 Market Street  
Chattanooga, Tennessee 37402-2801

Dear Mr. Nauman:

SUBJECT: WATTS BAR NUCLEAR PLANT - REQUEST FOR ADDITIONAL INFORMATION IN  
FSAR SECTION 4.2, AMENDMENT 65 (TAC NOS. 80143 AND 80144)

Our Mechanical Engineering Branch has reviewed FSAR Section 4.2, Amendment 65  
and found that additional information is needed to complete the review (See  
enclosure for details).

Please respond within 45 days of receipt of this letter. This requirement  
affects 9 or fewer respondents and, therefore, is not subject to Office of  
Management and Budget review under P.L. 96-511.

Sincerely,

Original signed by

Peter S. Tam, Senior Project Manager  
Project Directorate II-4  
Division of Reactor Projects - I/II  
Office of Nuclear Reactor Regulation

Enclosure:  
Request for Additional  
Information

cc w/enclosure:  
See next page

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ENCLOSURE

REQUEST FOR ADDITIONAL INFORMATION

FSAR SECTION 4.2

AMENDMENT 65

1. Top Of Page 4.2-29

This section of the FSAR discusses the design loading conditions for the reactor vessel internals. Amendment 65 changes the method of combining the seismic and blowdown forces from "assuming the maximum amplitude of each force to act concurrently" to "statistically combining the maximum amplitude of each force." The staff finds that the proposed method is unclear and that the licensee should explicitly describe the methodology of combining the forces.

2. Top Of Page 4.2-34

This section of the FSAR discusses the seismic analysis of the control rod drive mechanisms (CRDMs). Amendment 65 deletes the last part of the first sentence on page 4.2-34 which states that the seismic analysis should confirm the ability of the CRDMs to trip when subjected to seismic disturbances. The staff is concerned as to how the applicant intends to verify the operability of the CRDMs under seismic disturbances and where this will be discussed in the FSAR.

Mr. Dan A. Nauman

cc:

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Honorable Robert Aikman, County Judge  
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Honorable Johnny Powell, County Judge  
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