



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

February 22, 1988

Docket Nos. 50-327
and 50-328

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

Gentlemen:

SUBJECT: INSPECTION REPORT NOS. 50-327/87-74 AND 50-328/87-74 -
INTEGRATED DESIGN INSPECTION FOLLOWUP

This letter forwards the results of an inspection of the corrective actions performed by TVA in response to the findings of the Integrated Design Inspection (IDI) conducted in TVA's Knoxville offices between November 2 and November 19, 1987. In addition to reviewing the specific and generic corrective actions related to the individual findings of the IDI, the team reviewed additional information in the structural discipline that was unavailable during the IDI. This information was reviewed by the team in order that NRC could reassess its previous request that TVA conduct an independent review to confirm the technical adequacy of the structural design. Based on the structural calculations that were retrieved or regenerated by TVA, a review of the specific corrective actions performed in response to the IDI findings and a review, conducted on a sampling basis, of TVA's investigation of the generic implications of the IDI findings, the team concluded that a comprehensive broad-based review of the Sequoyah structural design is not necessary. However, in the structural area TVA was requested to conduct generic reviews of four specific areas: (1) equipment supports, (2) shear capacity calculations for walls and slabs, (3) reinforcing steel placed in walls and (4) generation of vertical seismic loads using $2/3$ the horizontal response spectra vs. the calculated vertical response spectra. In addition, in the mechanical components discipline, TVA was requested to conduct a generic review of vendor seismic qualification documentation. The scope of these generic reviews have been discussed with your staff during the inspection.

This inspection was conducted on an expedited basis, prior to the receipt of TVA's response to the IDI report. Appendix A to the enclosed report addresses each finding in detail and describes the additional corrective actions necessary for its resolution.

Your response dated December 29, 1987 to the NRC IDI report was not considered in this report due to time consideration. Your response will be covered as part of the IDI follow-up inspection conducted the week of February 1, 1988.

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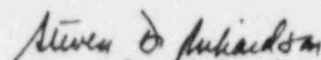
Tennessee Valley Authority

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In accordance with 10 CFR 2.790(a), a copy of this letter and the enclosure will be placed in the NRC Public Document Room.

Should you have any questions concerning this inspection, please contact me or Mr. Gene Imbro, (301) 492-0954.

Sincerely,


Steven D. Richardson, Acting Director
TVA Projects Division
Office of Special Projects

Enclosure: Inspection Report 50-327/87-74
and 50-328/87-74

cc w/enclosure: See next page

Tennessee Valley Authority

cc:

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Dr. Henry Myers, Science Advisor
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