

May 10, 1990

Docket No. 50-390
and 50-391

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

Dear Mr. Kingsley:

SUBJECT: NRC INSPECTION REPORT NOS. 50-390/89-21 AND 50-391/89-21

This letter forwards a report on the results of a special on-site inspection of the Watts Bar Nuclear Plant (WBN) Unit 1 seismic analysis corrective action program (CAP) and its implementation conducted at the WBN site in Spring City, Tennessee on November 13-17 and December 18-22, 1989 followed by several reviews and conference calls concluding with one on April 10, 1990. As a result, the final version of the seismic analysis CAP plan and Design Criteria WB-DC-20-24 (Revision 5) was found acceptable by the team. In the team's review of the implementation of the seismic analysis CAP, three open items were identified: (1) justification of the adequacy of the variation in low-strain shear moduli used in the SASSI analyses, (2) effects of the floor and wall flexibility on the local structural responses and the amplified response spectra (ARS) generated for the subsystem evaluations and (3) comparison results of Set A and Set B response spectra analyses for the Category I structures. We request that these three issues be resolved and available for the next inspection.

In accordance with Section 2.790 of the NRC's "Rules of Practice", Part 2, Title 10, Code of Federal Regulations, a copy of this letter and its enclosure will be placed in the NRC Public Document Room.

Should you have any questions concerning this inspection, please contact us.

Sincerely,

Original signed by
B. D. Liaw

B. D. Liaw, Director
TVA Projects Division
Office of Nuclear Reactor Regulation

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Enclosure:
Inspection Report Nos. 50-390/89-21
and 50-391/89-21

cc w/enclosure:
See next page

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NAME	: TChengye	: DTerao	: RCPerson	: Sack	: BDLiaw	:
DATE	: 5/8/90	: 5/8/90	: 5/8/90	: 5/10/90	: 5/10/90	:

Mr. Oliver D. Kingsley, Jr.

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Mr. Oliver D. Kingsley, Jr.

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DCB (Docket No. 50-390, 50-391)

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