

Docket Nos.: 50-445
and 50-446

DEC 6 1984

Mr. M. D. Spence
President
Texas Utilities Generating Company
400 N. Olive Street
Lock Box 81
Dallas, Texas 75201

Dear Mr. Spence:

Subject: Resolution of Comanche Peak SSER No. 6 Confirmatory
Issues (2) and (3)

In Section 1.8 of SSER No. 6, Confirmatory Issue (2), WECAN Computer Program, and Confirmatory Issue (3), Dynamic Analysis for Asymmetric Loads on the Reactor Coolant System were listed as undergoing staff review. The staff has since completed its review of the supplemental information provided by TUGCO relative to these issues, and finds them to be fully resolved. We propose to incorporate the enclosed staff evaluation addressing those issues in the next Comanche Peak SER Supplement.

Sincerely,

15
B. J. Youngblood, Chief
Licensing Branch No. 1
Division of Licensing

Enclosure:
As stated

cc: See next page

[Signature]
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DIST:*w/o enclosure

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

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Sincerely,

A handwritten signature in dark ink, appearing to read "B. J. Youngblood", is written over the typed name.

B. J. Youngblood, Chief
Licensing Branch No. 1
Division of Licensing

Enclosure:
As stated

cc: See next page

COMANCHE PEAK

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Supplement to Safety Evaluation Report
Comanche Peak Steam Electric Station Units 1 and 2
(Mechanical Engineering Branch)

3.9.1 Special Topics for Mechanical Components

In Section 3.9.1 of the SER, the staff stated that it was in the process of evaluating the Westinghouse topical report WCAP-8929, "Benchmark Problem Solutions Employed for Verification of the WECAN Program" for specific application to the Comanche Peak plant.

The staff has evaluated the capability of WECAN for analyzing linear elastic plate and shell structures for specific application at Comanche Peak and finds it acceptable based on a Westinghouse performed comparison with experimentally determined response frequencies calculated using the computer program NASTRAN, as described in the Westinghouse report.

In the FSAR, the Applicant has referenced the use of WECAN for the dynamic analysis of the reactor vessel supports, which utilizes the capabilities of applicable portions of WECAN accepted by the Staff and discussed above. We have concluded that the use of WECAN for this dynamic analysis is acceptable.

3.9.2.3 Dynamic Analysis of Reactor Coolant System Piping and Supports

In Section 3.9.2.3 of the SER, the staff stated that the applicants analysis of the reactor coolant system piping and supports for asymmetric LOCA loads was underway using criteria that the staff considers acceptable and that the results would be evaluated and reported in a supplement. These results were provided by the Applicant with their Amendment 45 to the FSAR and appear in Table 3.6B-3. The staff has reviewed these results and has determined that they satisfy the requirements of Section III of the ASME Code and are therefore acceptable.