

TEXAS UTILITIES GENERATING COMPANY
SKYWAY TOWER • 400 NORTH OLIVE STREET, L.B. 81 • DALLAS, TEXAS 75201

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August 23, 1984

Director of Nuclear Reactor Regulation
Attention: Mr. B. J. Youngblood, Chief
Licensing Branch No. 1
Division of Licensing
U. S. Nuclear Regulatory Commission
Washington, D. C. 20555

SUBJECT: COMANCHE PEAK STEAM ELECTRIC STATION
DOCKET NOS. 50-445 AND 50-446
BIW QUALIFICATION REPORTS AND
RADIATION LEVELS

REF: (1) TXX-4254 of August 10, 1984 entitled
"Environmental Qualification of BIW Cable"

Dear Sir:

In reference (1) and in a follow-up phone conversation on August 14, 1984, Texas Utilities explained that the BIW silicone insulated cable is being qualified by the two cable assembly qualification reports (BIW Report #82E080-TU, Rev. 1 and the Litton report of November 1978). This was acceptable but raised a concern about radiation. The FSAR provides a postulated total integrated dose (TID) of 1×10^8 Rads gamma. The BIW report tested to only 5×10^7 Rads gamma and the Litton reporter tested to 1.1×10^8 Rads gamma.

To resolve this concern, the calculations used to determine the postulated total integrated dose were examined to see if a lower postulated dose was acceptable. The existing dose calculation yielded 1.16×10^8 Rad (beta plus gamma). This calculation was found to contain conservatisms that could be justifiably reduced to yield a new postulated TID. The new TID is 6.67×10^7 Rads (beta plus gamma). Since the 1.1×10^8 Rads of testing performed for the Litton test report clearly envelopes this new postulated TID value, radiation is no longer a concern in the qualification of the BIW cable. The FSAR will be updated to reflect these new values in an upcoming amendment.

Respectfully,

H. C. Schmidt

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