

TEXAS UTILITIES SERVICES INC.

2001 GYAN TOWER · DALLAS, TEXAS 75201

July 7, 1982

50-445

Mr. Spottswood Burwell
Licensing Project Manager
U. S. Nuclear Regulatory Commission
Office of Nuclear Reactor Regulation
Washington, D.C. 20555

SUBJECT: COMANCHE PEAK STEAM ELECTRIC STATION
CONTAINMENT SPRAY SYSTEM SWITCHOVER ANALYSIS

REFERENCE: TXX-3526

Dear Mr. Burwell:

Per your request we provide the following information concerning the subject analysis submitted on June 15, 1982.

Pressure loss calculations were performed using the Crane Flow Manual and actual piping configuration for the containment spray system. These calculations have been design reviewed and are on file at Gibbs & Hill.

We believe these calculations to be accurate and representative of actual system conditions. Should there be inaccuracies in these calculations the conservative assumptions used in the RWST depletion analysis will more than offset any increase in flow in the containment spray system.

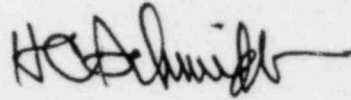
These assumptions include the following:

1. Containment pressure assumed to be 0 psig.
2. ECCS flows are conservatively calculated by Westinghouse.
3. Containment spray flow is assumed to start immediately on receipt of P signal. In actuality flow starts a minimum of 15 seconds later.
4. Worst case tolerances are assumed on tank level instrumentation.
5. Credit is not taken for chemical addition to the containment spray system. Depletion time is extended by approximately 15 seconds when considered.

3001

If we may be of further assistance in this matter, please contact
David H. Wade at (214) 653-4872.

Respectfully,

A handwritten signature in black ink, appearing to read "H. C. Schmidt", with a long horizontal flourish extending to the right.

H. C. Schmidt

DHW:grr

cc: J. C. Kuykendall
J. B. George
J. T. Merritt