

TUELECTRIC

Log # TXX 92206
File # 10110
905.4
Ref. # 10CFR50.55(e)

June 1, 1992

William J. Cahill, Jr.
Group Vice President

U. S. Nuclear Regulatory Commission
Attn: Document Control Desk
Washington, DC 20555

SUBJECT: COMANCHE PEAK STEAM ELECTRIC STATION (CPSES) - UNIT 2
DOCKET NO. 50-446
POTENTIAL LOSS OF RHR DUE TO FLOODING
SDAR CP-92-03 (FINAL REPORT)

Gentlemen:

On November 26, 1991, TU Electric discovered a deviation concerning the flooding analysis for Unit 2. The input for the flooding analysis was obtained from plant walkdowns which failed to consider HVAC ducts and transfer registers as potential flooding paths. The last report, logged TXX-92107, dated February 27, 1992, stated that the reportability evaluation of this issue would be complete by April 24, 1992.

A comprehensive review of calculated flood levels and physical HVAC drawings for the Safeguards Building and the Auxiliary Building determined that the flood levels in sixteen rooms were potentially affected by the presence of ducts and/or openings. The flooding calculation for each of the two buildings has been revised to account for these potential flood paths.

The revised flooding calculations concluded that water levels resulting from the postulated flooding of the RHR pump room from adjacent rooms does not result in submergence of any safe shutdown equipment. The calculations also concluded that flooding of adjacent rooms through connecting HVAC ducts/openings does not result in flood levels greater than the worst-case flood level previously calculated.

The affected ductwork was also evaluated for structural integrity and potential for affecting safe shutdown equipment. It was determined that the flooded ductwork and supports would maintain their structural integrity and would not interact with or jeopardize any safe shutdown equipment. A walkdown in the affected rooms determined that leakage from duct mechanical joints would not be directed at any safe shutdown equipment.

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It has been determined that no significant safety hazard exists as a result of the failure to consider HVAC ducts and transfer registers as potential flood paths. Therefore, this deviation is not reportable pursuant to 10CFR50.55(e) or 10CFR21.

Sincerely,



William J. Cahill, Jr.

JLR/ds

c - Mr. R. D. Marcini, Region IV
Mr. B. E. Volian, NRR
Resident Inspectors CPSES, (2)