



TU ELECTRIC

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January 31, 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 FOR ELECTRIC PENETRATION
ASSEMBLIES OVERPRESSURIZATION
SDAR CP-91-001 (FINAL REPORT)

- REF: 1. TU Electric letter logged TXX-91056 from William J. Cahill, Jr. to U. S. Nuclear Regulatory Commission dated February 1, 1991.
2. TU Electric letter logged TXX-91258 from William J. Cahill, Jr. to U. S. Nuclear Regulatory Commission dated July 24, 1991.

Gentlemen:

TU Electric notified the NRC staff, via the above referenced letters of a reportable deficiency involving the potential for electrical penetration assembly (EPA) overpressurization. The purpose of this final report is to provide the corrective action to be performed which alleviates the potential for EPA overpressurization for Unit 2.

As originally designed, a Nitrogen Pressurization (N₂) System and leak detection system was provided specifically for Bunker Ramo penetration assemblies. Failure of the non-safety pressure control valve could have overpressurized the EPA's causing a loss of containment integrity.

TU Electric has revised the appropriate Design Basis Documents stating that the Nitrogen Pressurization System or pressure monitoring is not required (i.e., the Conax feedthrough assemblies installed in Unit 2 do not require this system to perform their safety function). The N₂ system will be modified to disconnect the N₂ bottles in place, pressure switches and associated alarms. This will remove the source of high pressure. Associated corrective actions will be completed prior to fuel load for Unit 2.

Sincerely,
William J. Cahill, Jr.
William J. Cahill, Jr.

By: *Roger S. Walker*
Roger J. Walker
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