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January 18, 1988

William G. Council
Executive Vice President

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

SUBJECT: COMANCHE PEAK STEAM ELECTRIC STATION
DOCKET NOS. 50-445 AND 50-446
AUXILIARY FEEDWATER PUMP LOW SUCTION TRIP
SDAR: CP-87-108 (FINAL REPORT)

Gentlemen:

On October 26, 1987, by our letter logged TXX-6886, we notified you of a reportable deficiency involving the low suction pressure trip function of the Auxiliary Feedwater (AFW) pumps which may render the AFW System inoperable. In that report we discussed the deficiency description, safety implications and corrective action. The purpose of this report is to status the corrective action and to address the cause and extent of the deficiency as well as the preventive action and implementation schedule required to resolve the issue, pursuant to the provisions of 10CFR50.55(e).

The cause of this problem appears to have been an inadequate evaluation of a potential instrumentation failure which could inadvertently lead to a pump trip. The problem could be potentially applicable to all other safety-related pumps which have automated signals that could prevent the performance of the pump intended safety function. All applicable safety-related pumps were evaluated and no other problems were identified.

The Auxiliary Feedwater Pump low suction pressure trip has been eliminated. The applicable Design Basis Document (DBD-ME-206) describes the required functions and operating modes of these pumps and any essential instrumentation features. The DBD will be used as the design basis for future plant modifications.

This is our final report on this issue.

Very truly yours,

A handwritten signature in cursive script that reads 'W. G. Council'.
W. G. Council

MCP/grr

c-Mr. R. D. Martin, Region IV
Resident Inspectors, CPSES (3)

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