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Ref. # NRCB 88-08

October 21, 1988

William G. Counsil
Executive Vice President

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

SUBJECT: COMANCHE PEAK STEAM ELECTRIC STATION (CPSES)
DOCKET NOS. 50-445 AND 50-446
NRC BULLETIN 88-08: THERMAL STRESSES IN
PIPING CONNECTED TO REACTOR COOLANT SYSTEMS

Gentlemen:

The following CPSES information is provided in response to Reporting Requirement 1 of NRC Bulletin 88-08, "Thermal Stresses in Piping Connected to Reactor Coolant Systems."

CPSES has completed a review of applicable systems connected to the Reactor Coolant System (RCS) as required by Action 1 of the bulletin. TU Electric has identified unisolable sections of piping connected to the RCS that may be subjected to stresses from temperature stratification or temperature oscillations that could be induced by leaking valves and were not evaluated in the design analysis of the piping. The lines that may be affected by these types of thermal stresses are:

1. charging line downstream of valve 8146,
2. alternate charging line downstream of valve 8147,
3. auxiliary spray line downstream of valve 8145, and
4. four centrifugal charging pump cold leg injection lines downstream of valves 8801A/8801B.

In addition, we are aware of the phenomenon cited in footnote 1 of this bulletin, and Information Notice 88-80 related to the potential for thermal stratification in the pressurizer surge line as a result of a temperature difference between the pressurizer and the RCS hot leg during heatup and cooldown sequences. Since this potential thermal stratification would not be the result of leaking valves and therefore not within the scope of this bulletin, this issue is being addressed independently of the actions required by this bulletin.

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Actions 2 and 3 will be completed prior to criticality of the respective CPSES unit. TU Electric will submit a letter describing the actions taken within 30 days of completion of Actions 2 and 3 for each CPSES unit.

Very truly yours,

W.G. Council

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By: *D.R. Woodlan*
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HAM/gj

c - Mr. R. D. Martin, Region IV
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