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March 25, 1996

C. Lance Terry
Group Vice President

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

SUBJECT: COMANCHE PEAK STEAM ELECTRIC STATION (CPSES)
DOCKET NOS. 50-445 AND 50-446
ANNUAL REPORT OF CHANGES IN PEAK CLADDING TEMPERATURE

REF: 1) TU Electric letter logged TXX-95091 from
Mr. C. L. Terry to the NRC dated April 5, 1995

Dear Sirs:

In accordance with the requirements of 10CFR50.46(a)(3)(ii), TU Electric submits the attached changes or errors discovered in the Emergency Core Cooling System (ECCS) evaluation model used to calculate peak cladding temperature (PCT) and the estimated effect of these changes or errors on the limiting ECCS analysis. It is the current TU Electric practice to perform a new large break LOCA analysis for each reload cycle thereby establishing a new PCT for each fuel cycle.

In the last report of PCT changes, submitted by Reference 1, a new analysis of PCT was performed for Unit 2 as a result of changing from a Westinghouse to a TU Electric large break Loss of Coolant Accident (LOCA) ECCS evaluation model. The change in the Unit 2 PCT from that provided in the last report reflects the new analysis performed for fuel cycle 3, and is not the result of any errors discovered in the ECCS evaluation model.

The analysis for Unit 1 continues to be based on TU Electric methodology and reflects the analysis performed for fuel cycle 5.

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Attached are the calculated CPSES Units 1 and 2 PCT values for the limiting transients (large break LOCA) and the changes in these values since the last annual report.

Sincerely,

C. L. Terry

C. L. Terry

By: *Roger D. Walker*
Roger D. Walker
Regulatory Affairs Manager

BSD/bd
Attachment

cc: Mr. L. J. Callan, Region IV
Mr. W. D. Johnson, Region IV
Mr. T. J. Polich, NRR
Resident Inspectors

CPSES UNIT 1 PEAK CLADDING TEMPERATURE CHANGES (°F)

PREVIOUSLY REPORTED PCT VALUE (CYCLE 5 ANALYSIS) (TU ELECTRIC METHODOLOGY)	1956
ECCS MODEL ASSESSMENTS - NONE	N/A
CURRENT PCT VALUE (CYCLE 5 ANALYSIS) (TU ELECTRIC METHODOLOGY)	1956

CPSES UNIT 2 PEAK CLADDING TEMPERATURE CHANGES (°F)

ANALYSIS OF RECORD (WESTINGHOUSE METHODOLOGY)	1804
PREVIOUSLY REPORTED ECCS MODEL ASSESSMENTS	109
PREVIOUSLY REPORTED PCT VALUE	1913
ECCS MODEL ASSESSMENTS - NONE	N/A
CURRENT PCT VALUE (CYCLE 3 ANALYSIS) (TU ELECTRIC METHODOLOGY)	1949