



Log # TXX-90318
File # 915.6
10010
Ref. # 10CFR50.46(a)

September 21, 1990

William J. Cahill, Jr.
Executive Vice President

U. S. Nuclear Regulatory Commission
Attn: 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 TEMPERATURES

Gentlemen:

In accord with the annual reporting requirement of 10CFR50.46(a)(3)(ii), this is to advise that no changes or errors in the ECCS calculations of peak cladding temperatures (PCT) have occurred during the last 12 months. As stated in TU Electric's last annual report (TXX-89695, dated September 21, 1989), the current PCT values for Units 1 and 2 are 2058.5⁰F and 1808⁰F, respectively, which are well below the 2200⁰F limiting value established in Part 50.46(b)(1).

The Unit 2 PCT value has not been reassessed to consider certain updated plant specific design aspects, including the 6 to 12⁰F penalty from Generic Letter 86-16. Consistent with the February 23, 1988 NRC letter from Christopher I. Grimes to William G. Council of TU Electric, this update will be provided with the Unit 2 FSAR amendment for optimized fuel assemblies.

If you require additional information on this matter, please contact either Messrs. Whee Choe or James Seawright of the TU Electric staff, at (214) 812-4371 and 812-4375, respectively.

Sincerely,

William J. Cahill, Jr.

RLA/cjd

c - Mr. R. D. Martin, Region IV
Resident Inspectors, CPSES (3)
J. H. Wilson, NRR
M. Fields, NRR

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Log # TX-89695
File # 915.3
10010
Ref. # 10CFR50.46

September 21, 1989

W. J. Cahill
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
ANNUAL REPORT OF CHANGES IN PEAK CLADDING TEMPERATURES

Gentlemen:

This letter is TU Electric's annual report of changes or errors discovered in the ECCS calculations of peak cladding temperatures (PCT) as required by 10CFR50.46(a)(3)(ii). This report includes all such changes/errors that necessitated a re-evaluation of the peak fuel cladding temperature subsequent to the filing of Amendment 6 of the CPSES FSAR (on May 31, 1979), which is the latest PCT of record, i.e., 2010.7°F. For Unit 1, each instance is identified below along with the resultant cladding temperature change.

<u>Item</u>	<u>Change in PCT (°F)</u>
Steam generator bypass flow modification (increased hot leg temperature)	6.2
Modification of accumulator water level (reduced volume)	10
Reduced RHR flow due to mini-flow operation	1
Allowance for WREFLOOD errors per NRC Generic Letter 86-16 (6 to 12°F)	12
Accommodation for 1% steam generator tube plugging	6
Correction of error in steam generator flow area	12.6
Total Change	47.8

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September 21, 1989

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Based on the above list of changes in the Unit 1 PCT, the new value is 2050.5°F, which remains well below the 2200°F limiting value established by Part 50.46(b)(1).

With regard to changes in the PCT for Unit 2, TV Electric made the decision to change to an optimized fuel design as related to the staff during discussions concerning Generic Letter 86-16. Using the 1981 Westinghouse ECCS model, the PCT was calculated to be 1800°F. As the results of re-evaluations become available, they will be provided in the applicable annual report.

If you have any questions on this matter, please contact either Messrs. Whee Chee or Ray Ashley of my staff, at (214) 812-4371 and 812-8415, respectively.

Sincerely,

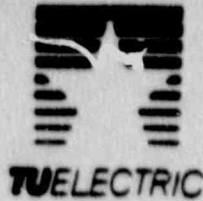


William J. Cahill, Jr.

RLA/SBP

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

FOR INFORMATION ONLY
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Log # TXX-09695
File # 918.6
10010
Ref. # 10CFR50.46

September 21, 1989

W. J. Cobble
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
ANNUAL REPORT OF CHANGES IN PEAK CLADDING TEMPERATURES

Gentlemen:

This letter is TU Electric's annual report of changes or errors discovered in the ECCS calculations of peak cladding temperatures (PCT) as required by 10CFR50.46(a)(3)(ii). This report includes all such changes/errors that necessitated a re-evaluation of the peak fuel cladding temperature subsequent to the filing of Amendment 6 of the CPSES FSAR (on May 31, 1979), which is the latest PCT of record, i.e., 2010.7°F. For Unit 1, each instance is identified below along with the resultant cladding temperature change.

<u>Item</u>	<u>Change in PCT (°F)</u>
Steam generator bypass flow modification (increased hot leg temperature)	6.2
Modification of accumulator water level (reduced volume)	10
Reduced RHR flow due to mini-flow operation	1
Allowance for WREFLOOD errors per NRC Generic Letter 86-16 (6 to 12°F)	12
Accommodation for 18 steam generator tube plugging	6
Correction of error in steam generator flow area	12.6
Total Change	47.8

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September 21, 1989

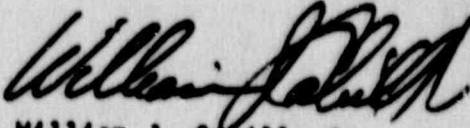
Page 2 of 2

Based on the above list of changes in the Unit 1 PCT, the new value is 2058.5°F, which remains well below the 2200°F limiting value established by Part 50.46(b)(1).

With regard to changes in the PCT for Unit 2, TU Electric made the decision to change to an optimized fuel design as related to the staff during discussions concerning Generic Letter 86-16. Using the 1981 Westinghouse ECCS model, the PCT was calculated to be 1808°F. As the results of re-evaluations become available, they will be provided in the applicable annual report.

If you have any questions on this matter, please contact either Messrs. Whee Choe or Ray Ashley of my staff, at (214) 812-4371 and 812-8415, respectively.

Sincerely,



William J. Cahill, Jr.

RLA/smp

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