



Luminant

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Ref. # 10CFR50.46

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

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

Dear Sir or Madam:

In accordance with the requirements of 10CFR50.46(a)(3)(ii), Luminant Generation Company LLC (Luminant Power) submits the attached peak cladding temperatures (PCT) for Comanche Peak Steam Electric Station (CPNPP) Units 1 and 2. The Large-Break Loss-of-Coolant-Accident and Small-Break Loss-of-Coolant-Accident analysis for Units 1 and 2 were performed by Luminant Power with the approved methodologies listed in Technical Specification 5.6.5. It was determined that there were no changes or errors in the Emergency Core Cooling System (ECCS) evaluation model used to calculate peak cladding temperature (PCT).

This communication contains no new licensing basis commitments regarding CPNPP Units 1 and 2.

A002

NRR

Should you have any questions, please contact Mr. J. D. Seawright at (254) 897-0140.

Sincerely,

Luminant Generation Company LLC

Mike Blevins

By: 
Fred W. Madden
Director, Oversight & Regulatory Affairs

Attachment - CPNPP Units 1 and 2 Peak Cladding Temperatures

c - E. E. Collins, Region IV
B. K. Singal, NRR
Resident Inspectors, Comanche Peak

CPNPP Units 1 and 2
Peak Cladding Temperatures

Analysis Evaluation	CPNPP Unit 1 PCT (°F)	CPNPP Unit 2 PCT (°F)
Large Break LOCA	2021	2058
Small Break LOCA	2080 (1830+250)*	1832

- * A 250 °F penalty for CPNPP Unit 1 Cycle 13 is applied per the NRC's Safety Evaluation regarding review of Topical Reports ERX-04-004, "Replacement Steam Generator Supplement to TXU Power's Large and Small Break Loss of Coolant Accident Analysis Methodologies" and ERX-04-005, "Application of TXU Power's Non-LOCA (Non-Loss-of-Coolant Accident) Transients Analysis Methodologies to a Feed Ring Steam Generator Design." (ML070770009)