



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:

Pursuant to 10CFR50.46(a)(3)(ii), Luminant Generation Company LLC (Luminant Power) hereby submits the attached peak cladding temperatures (PCT) for Comanche Peak Steam Electric Station (herein referred to as Comanche Peak Nuclear Power Plant - 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 for Luminant Power with the approved Westinghouse methodologies listed in Technical Specification 5.6.5. It was determined that the PCT penalty for Unit 1 Cycle 14 is due to core design characteristics and does not represent a change or error in the Emergency Core Cooling System (ECCS) evaluation model since the most recent CPNPP analyses were approved by the NRC in License Amendment 145 on April 3, 2008.

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

A member of the STARS (Strategic Teaming and Resource Sharing) Alliance

Callaway · Comanche Peak · Diablo Canyon · Palo Verde · San Onofre · South Texas Project · Wolf Creek

A001
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

Attachments - 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	1524 (1492+32)*	1632
Small Break LOCA	1013	1210

* A 32°F penalty for U1C14 core design characteristics.