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TXX-09130

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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
UPDATE OF COMMITMENT REGARDING EQUIPMENT QUALIFICATION
BOUNDING POST LOCA PROFILES**

REFERENCE: 1. Letter logged TXX-08031, dated February 21, 2008, from Mike Blevins of Luminant Power to the NRC.
2. Letter logged TXX-08067, dated April 17, 2008, from Mike Blevins of Luminant Power to the NRC.

Dear Sir or Madam:

Per letter TXX-08031 (Reference 1), Luminant Generation Company LLC (Luminant Power) committed to incorporate bounding pressure and temperature profiles for Comanche Peak Steam Electric Station, herein referred to as Comanche Peak Nuclear Power Plant (CPNPP), equipment qualification (EQ) into design drawings (commitment number 3458484) regarding CPNPP Units 1 and 2. This was completed for Unit 1. Consistent with this commitment, revised pressure and temperature profiles will be incorporated into design drawings in support of Unit 2 operation prior to start-up from the current refueling outage.

Per Reference 2, Luminant Power provided a commitment (commitment number 3495809) to incorporate bounding post-Loss of Coolant Accident (LOCA) containment temperature and pressure profiles for EQ regarding CPNPP Units 1 and 2 (same as commitment number 3458484), update EQ packages, and provided data points for the pressure and temperature curves. Subsequent analyses have been performed for bounding post-LOCA containment temperature and pressure profiles for EQ. The need to update the Unit 1 pressure and temperature profile has been identified within the CPNPP corrective action program. The peak pressure and temperatures are below the levels currently evaluated for CPNPP Units 1 and 2. There are no points on the LOCA curves that exceed the profiles developed for EQ. The revised Units 1 and 2 pressure and temperature profile curves are provided, for information only, in the attachment to this letter. Subsequently, EQ packages will be updated to reflect completed evaluations using the revised pressure and temperature profiles.

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

ADD1
NRK

This communication contains the following revised commitment regarding Comanche Peak Unit 2.

<u>Number</u>	<u>Commitment</u>
3495809	EQ packages will subsequently be updated to reflect completed evaluations using the revised pressure and temperature profiles.


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

Sincerely,

Luminant Generation Company LLC

Rafael Flores

By:



Fred W. Madden

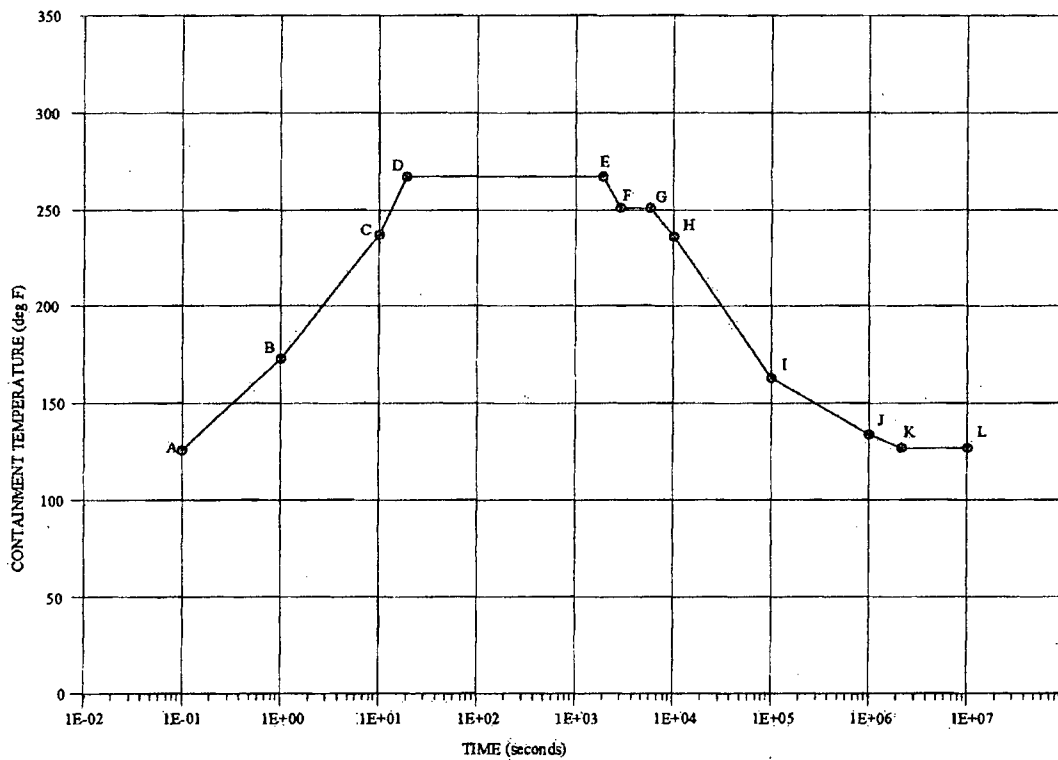
Director, Oversight & Regulatory Affairs

Attachment - Revised Bounding Profiles

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

CPNPP Containment Temperature Envelope

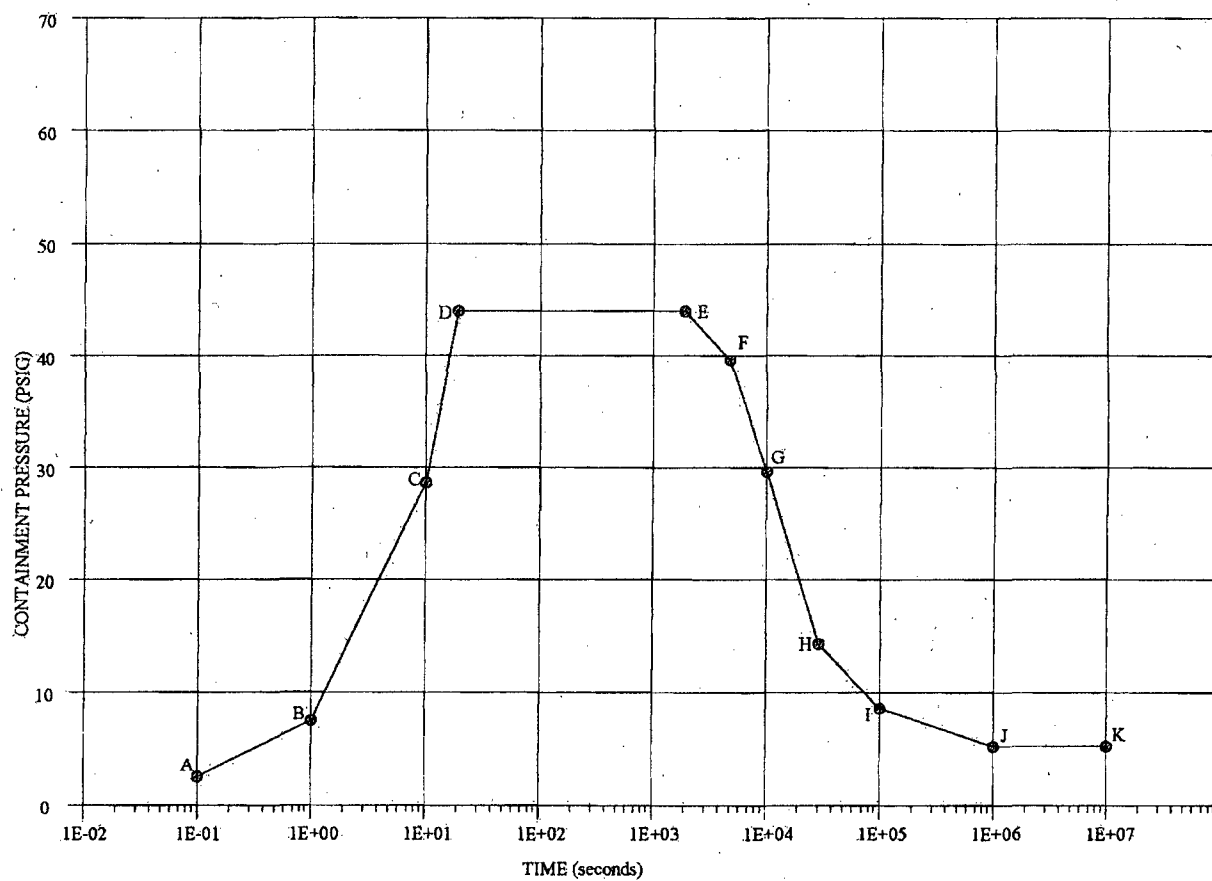
CONTAINMENT TEMPERATURE VS TIME (LOCA CASES)



	A	B	C	D	E	F	G	H	I	J	K	L
Time (sec)	0.1	1.0	10.0	20.0	2E+03	3E+03	6E+03	1E+04	1E+05	1E+06	2.27E+06	1E+07
Temperature (deg F)	126	173.0	237.0	267.0	267.0	251.0	251.0	236.0	163.0	134.0	127.0	127.0

CPNPP Containment Pressure Envelope

CONTAINMENT PRESSURE VS TIME (LOCA CASES)



	A	B	C	D	E	F	G	H	I	J	K
Time (sec)	0.1	1.0	10.0	20.0	2E+03	5E+03	1E+04	3E+04	1E+05	1E+06	1E+07
Pressure (psig)	2.5	7.3	28.3	44	44	39.3	29.3	14.3	8.5	5.3	5.3