



Luminant

Rafael Flores
Senior Vice President &
Chief Nuclear Officer
rafael.flores@luminant.com

Luminant Power
P O Box 1002
6322 North FM 56
Glen Rose, TX 76043

T 254.897.5590
F 254.897.6652
C 817.559.0403

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March 3, 2010

U. S. Nuclear Regulatory Commission
Document Control Desk
Washington, DC 20555
ATTN: David B. Matthews, Director
Division of New Reactor Licensing

SUBJECT: COMANCHE PEAK NUCLEAR POWER PLANT, UNITS 3 AND 4
DOCKET NUMBERS 52-034 AND 52-035
DOCUMENTS TO SUPPORT REQUESTS FOR ADDITIONAL INFORMATION
NO. 4308, 4309, 4310, 4311, 4312, 4313, 4314, AND 4315

Dear Sir:

Luminant Generation Company LLC (Luminant) submits herein calculations and other documents to support the Phase 2 review of the Combined License Application for Comanche Peak Nuclear Power Plant Units 3 and 4, Part 2, Final Safety Analysis Report. As discussed with the NRC in a conference call on March 2, 2010, this will allow the reviewers to continue their review while Luminant prepares specific responses to the requests for additional information.

Should you have any questions regarding these documents, please contact Don Woodlan (254-897-6887, Donald.Woodlan@luminant.com) or me.

There are no commitments in this letter.

I state under penalty of perjury that the foregoing is true and correct.

Executed on March 3, 2010.

Sincerely,

Luminant Generating Company LLC

Rafael Flores

Attachment: List of Documents Included on the Enclosed CD
Enclosure: CD

DD90
NRD

cc: Stephen Monarque w/attachment and enclosure (CD)

Electronic distribution w/attachment only:

mike.blevins@luminant.com
Rafael.Flores@luminant.com
mlucas3@luminant.com
jeff.simmons@energyfutureholdings.com
Bill.Moore@luminant.com
Brock.Degeyter@energyfutureholdings.com
rbird1@luminant.com
Matthew.Weeks@luminant.com
Allan.Koenig@luminant.com
Timothy.Clouser@luminant.com
Ronald.Carver@luminant.com
David.Volkening@luminant.com
Bruce.Turner@luminant.com
Eric.Evans@luminant.com
Robert.Reible@luminant.com
donald.woodlan@luminant.com
John.Conly@luminant.com
JCaldwell@luminant.com
David.Beshear@txu.com
Ashley.Monts@luminant.com
Fred.Madden@luminant.com
Dennis.Buschbaum@luminant.com
Carolyn.Cosentino@luminant.com

Luminant Records Management

masahiko_kaneda@mnes-us.com
masanori_onozuka@mnes-us.com
ck_paulson@mnes-us.com
joseph_tapia@mnes-us.com
russell_bywater@mnes-us.com
diane_yeager@mnes-us.com
kazuya_hayashi@mnes-us.com
mutsumi_ishida@mnes-us.com
nan_sirirat@mnes-us.com
masaya_hoshi@mnes-us.com
rjb@nei.org
kak@nei.org
michael.takacs@nrc.gov
cp34update@certrec.com
michael.johnson@nrc.gov
David.Matthews@nrc.gov
Balwant.Singal@nrc.gov
Hossein.Hamzehee@nrc.gov
Stephen.Monarque@nrc.gov
jeff.ciocco@nrc.gov
michael.willingham@nrc.gov
john.kramer@nrc.gov
Brian.Tindell@nrc.gov
Donald.Palmrose@nrc.gov
Elmo.Collins@nrc.gov
Loren.Plisco@nrc.com
Laura.Goldin@nrc.gov
James.Biggin@nrc.gov
Susan.Vrahoretis@nrc.gov
sfrantz@morganlewis.com
jrund@morganlewis.com
tmatthews@morganlewis.com

Attachment

List of Documents Included on the Enclosed CD

TXUT-001-FSAR-2.4.3-CALC-011, Rev. 1, "Probable Maximum Precipitation Calculation for Comanche Peak Nuclear Power Plant Units 3 and 4 using HMR 51 & HMR 52"

TUXT-001-FSAR-2.4.3-CALC-012 Rev. 1, "Probable Maximum Flood Calculation for Comanche Peak Nuclear Power Plant Units 3 and 4 (HEC-HMS & HEC-RAS)"

References:

11. Texas Utilities Services Inc., Comanche Peak Stream Electric Station CPSES 1980-1982, Units 1 and 2, "Safe Shutdown Impoundment Dam, Design Calculations and Calculations Check", Volume 1, by Freese and Nichols
12. Texas Utilities Services Inc., Comanche Peak Stream Electric Station CPSES 1980-1982, Units 1 and 2, "Safe Shutdown Impoundment Dam, Design Calculations and Calculations Check", Volume 2, by Freese and Nichols
13. The Texas Water Development Board, "Volumetric Survey for Squaw Creek Reservoir", prepared by the Brazos River Authority and Texas Utilities, September 11, 1997
14. Freese and Nichols, Operation and Maintenance Procedures, Squaw Creek Dam, Fort Worth, Texas, 1977

TXUT-001-FSAR-2.4.3-CALC-013, Rev. 2, "Coincident Wind Wave Analysis for Comanche Peak Nuclear Power Plant Units 3 and 4"

TUXT-001-FSAR-2.4.4-CALC-015 Rev. 0, "Brazos River Dam Failures Analysis for Comanche Peak Nuclear Power Plant Units 3 and 4"

TXUT-001-FSAR-2.4.2-CALC-020, Rev. 2, "Analysis of the Effects of Local Intense Precipitation at the Comanche Peak Nuclear Power Plant Units 3 and 4"

TXUT-001-FSAR-2.4.7-CALC-029, Rev. 0, "Accumulated Freezing Degree Days and Maximum Potential Ice Sheet Thickness for Comanche Peak Nuclear Power Plant Units 3 and 4"