

August 15, 2012

APPLICANT: LUMINANT GENERATION COMPANY, LLC.

APPLICATION: COMANCHE PEAK NUCLEAR POWER PLANT, UNITS 3 AND 4,
COMBINED LICENSE APPLICATION

SUBJECT: SUMMARY OF THE MAY 24, 2012, PUBLIC MEETING WITH
LUMINANT GENERATION COMPANY, LLC. TO DISCUSS THE
HYDROLOGY, GEOTECHNICAL, AND SEISMIC CLOSURE PLANS

On May 24, 2012, a public meeting was held between the U.S. Nuclear Regulatory Commission (NRC) and Luminant Generation Company, LLC. (Luminant) at the NRC offices located in Rockville, Maryland. The meeting notice was issued on May 10, 2012, and was documented in the Agencywide Documents Access and Management System (ADAMS) under accession number ML12131A104. The notice included the meeting agenda. The purpose of the meeting was to discuss Luminant's hydrology and seismic closure plans. This was a Category 1 public meeting and the meeting attendance list is shown as an enclosure.

Luminant opened the meeting by discussing the Integrated hydrology closure plan (IHCP). A copy of the closure plan can be found in ADAMS under accession number ML12151A114. On March 27, 2012, the staff and Luminant conducted a public meeting to discuss the outstanding technical issues that needed to be resolved regarding hydrology. However, during this meeting, Luminant was not able to present dates for submitting the groundwater and surface water analysis to the NRC staff. Luminant described the sequencing of hydrology and geotechnical activities for the IHCP and Integrated seismic closure plan (ISCP), which affects the dates that Luminant plans to provide IHCP related submittals to the staff. Luminant then discussed the changes that will be made to the responses to Request for Additional Information (RAI) Letter Numbers 139, 145, 147, and 233, as well as Combined License Final Safety Analysis Report (FSAR) Sections 2.4 and 2.5.

Luminant presented the dates for providing submittals to the NRC staff. In December 2012, Luminant plans to provide a revised response to RAI Letter Number 139, a revised FSAR Subsection 2.4.2, updated grading and drainage figures, and revised surface water calculation packages. In February 2013, the staff will receive a revised response to RAI 233, and changes to FSAR Subsections 2.5.4 and 2.5.5, and updated settlement and bearing capacity, liquefaction, slope stability, and lateral earth pressure analyses. In March 2013, the staff will receive revised responses to RAI Letter Numbers 145 and 147, changes to FSAR Sections 2.4.12 and 2.4.13, and input/output files to Residual Radioactivity and groundwater models.

Luminant then presented the Integrated Seismic Closure Plan Part 1 Opening Remarks, which described the impact of the ISCP on other FSAR sections. This closure plan can be found in ADAMS under accession number ML12151A115. Luminant informed the staff of the specific changes that will occur to FSAR Section 2.3, "Meteorology," Section 6.4, "Control Room Habitability," Section 9.4, "Air Conditioning, Heating, Cooling, and Ventilation," and Section 13.6 "Physical Security," and provide estimated submittal dates.

Next, Luminant discussed the Integrated Seismic Closure Plan Part 2 Seismic Input presentation. This presentation can be found in ADAMS under accession number ML12151A113. Again, Luminant described the sequencing of activities for the IHCP and ISCP, which included impacts to physical security, heating, ventilation and air conditioning design, and fire protection. Luminant also discussed its plans to change from the current seismic source model in the FSAR to the Central and Eastern United States (CEUS) Seismic Source Characterization (SSC) model. As a result of this model change, Luminant will revise FSAR Sections 2.5.1, 2.5.2, and 2.5.3. Luminant plans to supersede its previous responses to RAI Letter numbers 11, 14, 15, 18, 19, 21, 22, and 168 by submitting Updated Tracking Report Revision 2.

Integrated Seismic Closure Plan Part 3 Seismic and Stability Analysis was Luminant's next presentation. This presentation can be found in ADAMS under accession number ML12151A112. Luminant discussed the US-APWR standard plant design changes including changes to the basemat as well as changes to the configuration for the Reactor Building complex and the Turbine Building. In addition, a site-specific reconciliation of the standard plant design will be performed to show that the standard design will bound the Comanche Peak Nuclear Power Plant (CPNPP), Units 3 and 4 site-specific seismic demands. Luminant also discussed its plans for demonstrating how the seismic design for CPNPP will meet the United States - Advanced Pressurized Water Reactor (US-APWR) Design Control Document requirements. Additionally, Luminant intends to enhance the design of the Category I site-specific structures (ultimate heat sink related structures, power source fuel storage vault, and essential service water pipe tunnel) to accommodate the changes of the US-APWR standard plant configuration and the higher ground water level. The staff was informed that a number of Luminant's RAI responses will have to be revised. The staff informed the applicant that they should provide the staff a roadmap for addressing all the RAI responses.

Integrated Seismic Closure Plan Part 4 Deliverables, Summary and Conclusion was the last presentation. This presentation can be found in ADAMS under accession number ML12151A111. This presentation summarized Luminant's schedule for providing submittals.

Please direct any inquiries to me at 301-415-1544, or via e-mail to Stephen.Monarque@nrc.gov

/RA/

Stephen Monarque, Lead Project Manager
Licensing Branch 2
Division of New Reactor Licensing
Office of New Reactors

Docket Nos.: 52-034 and 52-035

Enclosure:
As stated

cc w/ enclosure: See next page

Next, Luminant discussed the Integrated Seismic Closure Plan Part 2 Seismic Input presentation. This presentation can be found in ADAMS under accession number ML12151A113. Again, Luminant described the sequencing of activities for the IHCP and ISCP, which included impacts to physical security, heating, ventilation and air conditioning design, and fire protection. Luminant also discussed its plans to change from the current seismic source model in the FSAR to the Central and Eastern United States (CEUS) Seismic Source Characterization (SSC) model. As a result of this model change, Luminant will revise FSAR Sections 2.5.1, 2.5.2, and 2.5.3. Luminant plans to supersede its previous responses to RAI Letter numbers 11, 14, 15, 18, 19, 21, 22, and 168 by submitting Updated Tracking Report Revision 2.

Integrated Seismic Closure Plan Part 3 Seismic and Stability Analysis was Luminant's next presentation. This presentation can be found in ADAMS under accession number ML12151A112. Luminant discussed the US-APWR standard plant design changes including changes to the basemat as well as changes to the configuration for the Reactor Building complex and the Turbine Building. In addition, a site-specific reconciliation of the standard plant design will be performed to show that the standard design will bound the Comanche Peak Nuclear Power Plant (CPNPP), Units 3 and 4 site-specific seismic demands. Luminant also discussed its plans for demonstrating how the seismic design for CPNPP will meet the United States - Advanced Pressurized Water Reactor (US-APWR) Design Control Document requirements. Additionally, Luminant intends to enhance the design of the Category I site-specific structures (ultimate heat sink related structures, power source fuel storage vault, and essential service water pipe tunnel) to accommodate the changes of the US-APWR standard plant configuration and the higher ground water level. The staff was informed that a number of Luminant's RAI responses will have to be revised. The staff informed the applicant that they should provide the staff a roadmap for addressing all the RAI responses.

Integrated Seismic Closure Plan Part 4 Deliverables, Summary and Conclusion was the last presentation. This presentation can be found in ADAMS under accession number ML12151A111. This presentation summarized Luminant's schedule for providing submittals.

Please direct any inquiries to me at 301-415-1544, or via e-mail to Stephen.Monarque@nrc.gov

/RA/

Stephen Monarque, Lead Project Manager
Licensing Branch 2
Division of New Reactor Licensing
Office of New Reactors

Docket Nos.: 52-034 and 52-035

Enclosure:
As stated

cc w/ enclosure: See next page

DISTRIBUTION:

| | | | | |
|------------|-----------------|-------------------|------------------------|---------------|
| PUBLIC | RidsNroDnrl | RidsNroLACSmith | RidsAcrsAcnwMailCenter | MShams, NRO |
| LB2 R/F | MShams, NRO | RidsOgcMailCenter | MMcBride, NRO | TRoy, NRO |
| D090 | RidsNroDnrlNmip | RidsOpaMailCenter | NTiruneh, NRO | RVettori, NRO |
| HPhan, NRO | WWang, NRO | BKaras, NRO | RFitzpatrick, NRR | VThomas, NRO |
| ZXi, NRO | CPatel, NRO | DSeber, NRO | EMcKenna, NRO | VGraizer, NRO |
| FVega, NRO | KQuinlan, NRO | LBauer, NRO | MValentin, NRO | BTegeler, NRO |

ADAMS Accession No.: ML12166A059

NRC-001

| | | | |
|---------------|--------------|--------------|-----------------------|
| OFFICE | DNRL/LB2: PM | DNRL/LB2: LA | DNRL/LB2: PM (signed) |
| NAME | SMonarque | CMurphy | SMonarque |
| DATE | 08/15/12 | 08/15/12 | 08/15/12 |

OFFICIAL RECORD COPY

List of Attendees

Luminant meeting with the NRC Staff to discuss hydrology and seismic closure plans on May 24, 2012

| <u>NAME</u> | <u>AGENCY/AFFILIATION</u> |
|--------------------------|-----------------------------------|
| Joe Hegner | Dominion |
| Joseph Mancinelli | Enercon |
| Stacy Burgess | Enercon |
| Tom Schutzer | Enercon |
| Jeff Bachhuber | FUGRO |
| Osman El Menchawi | FUGRO |
| Bill Luyties | Luminant Generation Company, LLC. |
| Bobby Bird | Luminant Generation Company, LLC. |
| Don Woodlan | Luminant Generation Company, LLC. |
| John Conly | Luminant Generation Company, LLC. |
| Sam Hobbs | Luminant Generation Company, LLC. |
| Todd Evans | Luminant Generation Company, LLC. |
| Tomo Imamura | Mitsubishi Heavy Industries |
| Deborah Jerez-MacPherson | Mitsubishi Nuclear Energy Systems |
| Hikaru Ogasawara | Mitsubishi Nuclear Energy Systems |
| Joseph Tapia | Mitsubishi Nuclear Energy Systems |
| Masamori Onozuka | Mitsubishi Nuclear Energy Systems |
| Michael Tschultz | Mitsubishi Nuclear Energy Systems |
| Nick Kellenburger | Mitsubishi Nuclear Energy Systems |
| Russ Bywater | Mitsubishi Nuclear Energy Systems |
| Takanori Ogata | Mitsubishi Nuclear Energy Systems |
| Becky Karas | Nuclear Regulatory Commission |
| Bob Fitzpatrick | Nuclear Regulatory Commission |
| Bret Tegeler | Nuclear Regulatory Commission |
| Chandu Patel | Nuclear Regulatory Commission |
| Dogan Seber | Nuclear Regulatory Commission |
| Eileen McKenna | Nuclear Regulatory Commission |
| Frankie Vega | Nuclear Regulatory Commission |
| Hanh Phan | Nuclear Regulatory Commission |
| Hossein Hamzehee | Nuclear Regulatory Commission |

Enclosure

| <u>NAME</u> | <u>AGENCY/AFFILIATION</u> |
|--------------------|----------------------------------|
| Jeff Ciocco | Nuclear Regulatory Commission |
| Kevin Quinlan | Nuclear Regulatory Commission |
| Laurel Bauer | Nuclear Regulatory Commission |
| Mark McBride | Nuclear Regulatory Commission |
| Milton Valentin | Nuclear Regulatory Commission |
| Mohammed Shams | Nuclear Regulatory Commission |
| Nebiyu Tiruneh | Nuclear Regulatory Commission |
| Robert Vettori | Nuclear Regulatory Commission |
| Steve Monarque | Nuclear Regulatory Commission |
| Tarun Roy | Nuclear Regulatory Commission |
| Vaughn Thomas | Nuclear Regulatory Commission |
| Vladimir Graizer | Nuclear Regulatory Commission |
| Weijun Wang | Nuclear Regulatory Commission |
| Zuhan Xi | Nuclear Regulatory Commission |
| Brennan Smith | Oak Ridge National Laboratory |
| Dave Watson | Oak Ridge National Laboratory |
| Gary Stark | URS |
| Ken Lanham | URS |

COL - Comanche Peak Mailing List
cc:

(Revised 05/21/2012)

Certrec Corporation
4150 International Plaza, Suite 820
Fort Worth, TX 76109

Ms. Michele Boyd
Legislative Director
Energy Program
Public Citizens Critical Mass Energy
and Environmental Program
215 Pennsylvania Avenue, SE
Washington, DC 20003

Director
Division of Compliance & Inspection
Bureau of Radiation Control
Texas Department of State Health Services
1100 West 49th Street
Austin, TX 78756-3189

COL - Comanche Peak Mailing List

Email

acpasswater@aol.com (Al Passwater)
APH@NEI.org (Adrian Heymer)
awc@nei.org (Anne W. Cottingham)
bfine@co.hood.tx.us (Brian Fine)
Bill.Moore@luminant.com (Bill Moore)
BrinkmCB@westinghouse.com (Charles Brinkman)
brock.degeyter@energyfutureholdings.com (Brock Degeyter)
cindy@seedcoalition.org (Cindy)
ck_paulson@mnes-us.com (Keith Paulson)
cp34update@certrec.com (CPNPP LRS)
CumminWE@Westinghouse.com (Edward W. Cummins)
cwaltman@roe.com (C. Waltman)
david.lewis@pillsburylaw.com (David Lewis)
Dennis.Buschbaum@luminant.com (Denny Buschbaum)
derrell.mccravey@co.somervell.tx.us (Somervell County Chief Deputy Derrell McCravey)
donald.woodlan@luminant.com (Donald Woodlan)
ed.burns@earthlink.net (Ed Burns)
eliza.seedcoalition@gmail.com (Elza Brown)
Fred.Madden@luminant.com (Fred Madden)
gedgar@morganlewis.com (George Edgar)
gzinke@entergy.com (George Alan Zinke)
JCaldwell@luminant.com (Jan Caldwell)
jeff.simmons@energyfutureholdings.com (Jeff Simmons)
John.Conly@luminant.com (John Conly)
Joseph_Hegner@dom.com (Joseph Hegner)
joseph_tapia@mnes-us.com (Joseph Tapia)
jrund@morganlewis.com (Jonathan Rund)
KSutton@morganlewis.com (Kathryn M. Sutton)
kwaugh@impact-net.org (Kenneth O. Waugh)
lchandler@morganlewis.com (Lawrence J. Chandler)
lon.burnam@house.state.tx.us (Lon Burnam)
maria.webb@pillsburylaw.com (Maria Webb)
mark.beaumont@wsms.com (Mark Beaumont)
masanori_onozuka@mnes-us.com (Masanori Onozuka)
matias.travieso-diaz@pillsburylaw.com (Matias Travieso-Diaz)
media@nei.org (Scott Peterson)
mike.blevins@luminant.com (Mike Blevins)
mike_moran@fpl.com (Mike Moran)
mjohnson@citizen.org (Matt Johnson)
mlucas3@luminant.com (Mitch Lucas)
MSF@nei.org (Marvin Fertel)
nirsnet@nirs.org (Michael Mariotte)
Nuclaw@mindspring.com (Robert Temple)

COL - Comanche Peak Mailing List

patriciaL.campbell@ge.com (Patricia L. Campbell)
paul.gaukler@pillsburylaw.com (Paul Gaukler)
Paul@beyondnuclear.org (Paul Gunter)
pbessette@morganlewis.com (Paul Bessette)
plarimore@talisman-intl.com (Patty Larimore)
rbird1@luminant.com (Bobby Bird)
rdeeds@co.hood.tx.us (Hood County Sheriff Roger Deeds)
RJB@NEI.org (Russell Bell)
sabinski@suddenlink.net (Steve A. Bennett)
sfrantz@morganlewis.com (Stephen P. Frantz)
shinji_kawanago@mnes-us.com (Shinji Kawanago)
stephan.moen@ge.com (Stephan Moen)
tgilder1@luminant.com (Tim Gilder)
tmatthews@morganlewis.com (T. Matthews)
Vanessa.quinn@dhs.gov (Vanessa Quinn)
Wanda.K.Marshall@dom.com (Wanda K. Marshall)