July 29, 2010

APPLICANT: LUMINANT GENERATION COMPANY, LLC.

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

SUBJECT: SUMMARY OF THE JUNE 28, 2010, MEETING WITH LUMINANT GENERATION COMPANY, LLC. TO DISCUSS REQUESTS FOR ADDITIONAL INFORMATION RELATED TO THE COMANCHE PEAK NUCLEAR POWER PLANT, UNITS 3 AND 4, COMBINED LICENSE APPLICATION, SECTION 2.4, "HYDROLOGY".

On June 28, 2010, a public meeting was held between the U.S. Nuclear Regulatory Commission (NRC) and Luminant Generation Company, LLC. (Luminant). The purpose of this meeting was to discuss the NRC staff's Requests for Additional Information (RAIs) Numbers 144 (4312), 145 (4315), and 147 (4314) for Section 2.4, "Hydrology," of the Comanche Peak Combined License Application. A list of meeting attendees is enclosed.

A public meeting notice was issued and documented in the Agencywide Documents Access and Management System (ADAMS) under accession number ML101650152 which includes the Meeting Agenda. Luminant's presentations can be located in ADAMS under accession numbers ML101540625, ML101830353 and ML101800259.

Luminant requested this meeting to understand the RAIs and submit responses that would be acceptable to the NRC. The NRC staff stated that they would not make any conclusive remarks about the responses until after the RAI responses are received and reviewed.

RAI 145 (4315) was presented first and it was a presentation of Luminant's analysis on Landslide-Induced Seiche at the Squaw Creek Reservoir (SCR). Ten representative sections along the SCR were used as sampling data, which were based on slope height, gradient, and location. Luminant's analysis concluded that the SCR shoreline slopes are fairly flat. Landslide-Induced Seiches are not expected at the SCR location. The NRC staff had some followup questions.

RAI 147 (4314) was presented next and it was a presentation of Luminant's analysis on Post-Construction site modifications and effects on groundwater conditions. To determine the effect, Luminant used monitoring wells to ascertain the groundwater conditions at the site. Luminant concluded that the maximum groundwater elevation in the vicinity of the embedded structures will not exceed the Design Control Document requirements. There is a follow-up issue that Luminant needs to address. Luminant will provide surface coverage amounts for the Cut-Bank Perimeter Trench Drain. In addition, the NRC indicated that the trench monitoring and maintenance system should be included in the Final Safety Analysis Report.

RAI 145 (4315) was presented last and it was a presentation of Luminant's analysis on Tank failure and source term release in the SCR. Luminant modeled what it believes to be the most conservative pathway and worse case release, which is the release of source term from Boric Acid Tank (BAT) to groundwater to SCR to the Roto-cone and to the Brazos River. Luminant's analysis concluded that the source term concentrations from a tank failure (i.e., BAT) released to the environments via groundwater is below the requirement. There is a follow up issue that Luminant needs to address. Luminant intends to use a steel liner as a mitigative measure for the BAT while other tanks will perform source term release calculations. Luminant will provide justification and the analysis in the RAI response.

CONCLUDING REMARKS

At the conclusion of the public meeting, Luminant summarized the meeting by reviewing the RAIs discussed. Please direct any inquiries to me at 301-415-5259, or via e-mail at Ronnie.Ng@nrc.gov.

Sincerely,

/RA/

Ronnie Ng, Project Manager
US-APWR Projects Branch
Division of New Reactor Licensing
Office of New Reactors

Docket Nos. 52-034, 52-035

Enclosure:
List of Attendees

cc w/encl: See next page

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Sincerely,

/RA/

Ronnie Ng, Project Manager
US-APWR Projects Branch
Division of New Reactor Licensing
Office of New Reactors

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cc w/encl: See next page

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ADAMS Accession No.: ML102010516 **NRC-001**

OFFICE	DNRL/NMIP: PM	DNRL/NMIP: LA	DNRL/NMIP: PM
NAME	RNg	CSmith	SMonarque
DATE	07/29/2010	07/28/2010	7/29/2010

OFFICIAL RECORD COPY

List of Attendees

Meeting with Luminant Generation Company, LLC. to discuss the Comanche Peak Nuclear Power Plant, Units 3 and 4, Combined License Application

June 28, 2010

Name	Agency/Affiliation
Daniel Besler	Besler Group
Matt Phillips	Brazos River Authority
Randall Lantz	Enercon
Stacy Burgess	Enercon
Farhad Boniadi	Fugro
Don Woodlan	Luminant
John T. Conly	Luminant
Christopher Pratt	MNES
Diane Yeager	MNES
Frostie White	MNES
Guro Imada	MNES
Joseph Tapia	MNES
Kazuya Hayashi	MNES
Nicholas Kellenberger	MNES
Patricia Gibson	MNES
Yuta Maruyama	MNES
Dan Barnhurst	NRC
Hossein Hamzehee	NRC
Hosung Ahn	NRC
Margaret Sharkey	NRC
Michael Magee	NRC
Nebiyu Tiruneh	NRC
Ngola Otto	NRC
Richard Clement	NRC
Richard Raione	NRC
Ronnie Ng	NRC
Stephen Monarque	NRC
Jim Biggins	NRC/OGC
Brennan Smith	ORNL

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