PMComanchePeakPEm Resource

From: Monarque, Stephen
Sent: Saturday, September 26, 2009 9:38 AM
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Cc: Otto, Ngola; ComanchePeakCOL Resource
Subject: Comanche Peak RCOL Section 12.2 - RAI # 85
Attachments: RAI 3509 (RAI 85).doc

The NRC staff has identified that additional information is needed to continue its review of the combined license application. The NRC staff's request for additional information (RAI) is contained in the attachment. Luminant is requested to inform the NRC staff if a conference call is needed.

The response to this RAI is due within 37 calendar days of September 26, 2009**.**

Note: If changes are needed to the safety analysis report, the NRC staff requests that the RAI response include the proposed changes.

thanks,

Stephen Monarque
U. S. Nuclear Regulatory Commission
NRO/DNRL/NMIP
301-415-1544

Hearing Identifier: ComanchePeak_COL_Public
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Sent Date: 9/26/2009 9:38:15 AM
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From: Monarque, Stephen

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Request for Additional Information (RAI) No. 3509

RAI # 85

9/26/2009

Comanche Peak Units 3 and 4
Luminant Generation Company, LLC.
Docket No. 52-034 and 52-035
SRP Section: 12.02 - Radiation Sources
Application Section: 12.2

QUESTIONS for Health Physics Branch (CHPB)

12.02-1

10 CFR 20.1301, Regulatory Guide (RG) 1.206 C.I.12.2.1, and NUREG-0800 Standard Review Plan (SRP) 12.2 form the regulatory basis for this question. RG 1.206 states that the applicant should describe any required radiation sources containing byproduct, source, and special nuclear material that may warrant shielding considerations, and, for any such sources, should provide a listing by isotope, quantity, form, and use for all of these sources that exceed 3.7 E+9 Bq (100 millicuries). While the response to Comanche Peak COL 12.2(1) noted that additional sources would be identified during the procurement phase, the Comanche Peak FSAR did not identify any radiation sources that required facility shielding, and they did not identify what types and quantities of source material would be required. Facility design must be able to accommodate the activity and types of sources obtained during the procurement phase.

Please revise and update the Comanche Peak FSAR Section 12.2 to:

a. Describe the uses and shielding requirements of any radiation sources containing byproduct, source, and special nuclear material not described in the US-APWR Design Certification Document that may require shielding design considerations.
b. Provide a listing, by isotope, quantity, form, and use, of any of the sources described in your response to a) above that exceed 100 millicuries. For instance, neutron sources for portable instrument calibration, panoramic irradiators for dosimeter or portable instrument calibration.

Otherwise, describe the specific approach to be used as an acceptable alternate approach to address the guidance in RG 1.206.