

PMComanchePeakPEm Resource

From: Monarque, Stephen
Sent: Wednesday, September 09, 2009 5:10 PM
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Cc: Ward, William; ComanchePeakCOL Resource
Subject: Comanche Peak RCOLA Section 9.1.5 - RAI 52
Attachments: RAI 3294 (RAI 52).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.

The response to this RAI is due within 42 calendar days of September 9, 2009.

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

thanks,

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

Hearing Identifier: ComanchePeak_COL_Public
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Request for Additional Information (RAI) No. 3294

RAI # 52

9/9/2009

Comanche Peak Units 3 and 4
Luminant Generation Company, LLC.
Docket No. 52-034 and 52-035
SRP Section: 09.01.05 - Overhead Heavy Load Handling Systems
Application Section: RG 1.206

QUESTIONS for Balance of Plant Branch 1 (AP1000/EPR Projects) (SBPA)

09.01.05-1

Regulatory Guide (RG) 1.206, "Combined License Applications for Nuclear Power Plants (LWR Edition)," Section C.I.9.1.5 states that the applicant should describe the program and schedule for implementation of the program governing heavy load handling, including several bulleted items (see below) as listed in the RG 1.206.

NUREG-0800, Standard Review Plan (SRP) Section 9.1.5, "Overhead Heavy Load Handling Systems," and Section 5.1.1 of NUREG-0612, "Control of Heavy Load at Nuclear Power Plants," also describe heavy load handling guidelines.

As a minimum, Luminant should describe the program and schedule for heavy load handling including the following:

- A listing of all heavy loads and heavy load handling equipment outside the scope of loads described in the referenced certified design and the associated heavy load attributes (load weight and typical load path)
- Heavy load handling safe load paths and routing plans including descriptions of automatic and manual interlocks and safety devices and procedures to assure safe load path compliance
- Heavy load handling equipment maintenance manuals and procedures
- Heavy load handling equipment inspection and test plans
- Heavy load handling personnel qualifications, training, and control programs
- Quality assurance (QA) programs to monitor, implement, and ensure compliance with the heavy load handling program

A heavy load handling program that meets Section 5.1.1 of NUREG-0612, SRP Section 9.1.5 and RG 1.206 Section C.I.9.1.5 should be in place before there is a possibility that a load drop could cause a release of radioactivity, a criticality accident, an inability to cool fuel within the reactor vessel or spent fuel pool, or prevent safe shutdown of the reactor.

Provide a description in the FSAR of the key elements of the heavy loads handling program at a level of detail similar to that of Section 5.1.1 of NUREG-0612, SRP Section 9.1.5, and RG 1.206. Include in the FSAR a description of the program areas that will be addressed by the procedures developed to cover load handling operations, a discussion on the establishment and use of safe load paths, programs or procedures for training and qualification of crane operator, programs or procedures for crane inspection testing and maintenance, and the heavy loads quality assurance program. In addition, provide a schedule as to when the procedures will be completed.