

PMComanchePeakPEm Resource

From: Monarque, Stephen
Sent: Monday, May 23, 2011 4:02 PM
To: Berrios, Ilka; Donald.Woodlan@luminant.com; John.Conly@luminant.com; Weaver, Kathy
Cc: Kallan, Paul; ComanchePeakCOL Resource; Hamzehee, Hossein; Ciocco, Jeff
Subject: NRC Staff's ACRS Presentation - Comanche Peak COL Phase 2 Chapter 5
Attachments: CPNPP Chapter 5 COL ACRS .pptx

Ilka,

I am sending ACRS, the staff's presentation on Comanche Peak COL Chapter 5 safety evaluation.

Thanks,

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

Hearing Identifier: ComanchePeak_COL_Public
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Presentation to the ACRS Subcommittee

**Comanche Peak Nuclear Power Plant, Units 3 and 4
COL Application Review**

Safety Evaluation Report

CHAPTER 5: REACTOR COOLANT AND CONNECTING SYSTEMS

May 27, 2011

Staff's Presentation Order



- **Stephen Monarque** - Comanche Peak COLA Lead Project Manager
- **Paul Kallan** - Project Manager
- **Eduardo Sastre** - Technical Staff Presenter

Major Milestones Chronology



9/19/2008	COL Application submitted
12/02/2008	COL Application accepted for review (Docketed)
03/16/2009	COL Application review schedule published
10/09/2009	Completion of Phase 1 milestone
11/20/2009	Revision 1 submitted
03/02/2011	Revision to COL Application review schedule

Review Schedule (Public Milestones)



Phase - Activity	Target Date
Phase 1 - Preliminary Safety Evaluation Report (SER) and Request for Additional Information (RAI)	October 2009 (Actual)
Phase 2 - SER with Open Items	March 2012
Phase 3 – Advisory Committee on Reactor Safeguards (ACRS) Review of SER with Open Items	July 2012
Phase 4 - Advanced SER with No Open Items	December 2012
Phase 5 - ACRS Review of Advanced SER with No Open Items	March 2013
Phase 6 – Final SER with No Open Items	June 2013

NOTE: The target dates shown above are currently published milestones.

Technical Review Team



- ♦ **Eduardo Sastre**
Component Integrity Branch
- ♦ **Robert Davis**
Component Integrity Branch
- ♦ **Timothy Steingass**
Component Integrity Branch
- ♦ **Chang Li**
Balance of Plant Systems Branch
- ♦ **Steven Downey**
Component Integrity Branch
- ♦ **Joel Jenkins**
Component integrity Branch
- ♦ **Gregory Makar**
Component integrity Branch

Overview of COLA Review

SRP Section/Application Section		No. of Questions	Number of OI
5.1	Summary Description	IBR	IBR
5.2.1.1	Compliance with 10 CFR 50, Section 50.55a	2	0
5.2.1.2	Compliance with Applicable Code Cases	2	0
5.2.2	Overpressure Protection	IBR	IBR
5.2.3.2	Compatibility with Reactor Coolant	1	1
5.2.4.	Inspection and Testing of the Reactor Coolant Pressure Boundary (RCPB)	2	0
5.2.5	RCPB Leakage Detection	3	0
5.3.1	Reactor Vessel Materials	3	0

Overview of COLA Review (continued)



SRP Section/Application Section		No. of Questions	Number of OI
5.3.2	Pressure-Temperature limits, Upper-Shelf Energy, and Pressurized Thermal Shock	1	0
5.3.3	Reactor Vessel Integrity	2	0
5.4	Reactor Coolant System Component and Subsystem Design	1	0
Totals		17	1

Section 5.2.3

Reactor Coolant Pressure Boundary Materials



- ***Open Item No. 5.2.3.1-1***
 - ♦ COL Information Item No. 5.2-12
 - A COL applicant *should specify the applicable version of the EPRI “Primary Water Chemistry Guideline” that will be implemented.*
 - ♦ Issue: The COL applicant did not adequately address the COL Item by specifying the version to be used for CPNPP

- Since then, the applicant response was received and reviewed by staff and it is being considered a confirmatory item

Acronyms



- COL – combined license
- COLA – combined license application
- DBA – design basis accident
- FSAR – Final Safety Analysis Report
- GDC – General Design Criteria
- IBR – incorporated by reference
- SER – Safety Evaluation Report
- RAI – request for additional information
- RCOL – reference combined license