

PMComanchePeakPEm Resource

From: Monarque, Stephen
Sent: Tuesday, September 08, 2009 12:50 PM
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Cc: ComanchePeakCOL Resource
Subject: Comanche peak RCOL RAI List for Wednesday's call
Attachments: Comanche Peak COLA RAI List.xls

I am sending out the RAI table in preparation for Wednesday's call.

thanks,

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

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Comanche Peak BCOLA RAI list

SRP Chap.	SRP Section Title	SRP Section	Phase 1 Draft RAI Issued	Telecon Date	RAI #	Phase 1 RAI Subject	Phase 1 Final RAI Issuance Date	Comments	Luminant Response Date	Proprietary Withholding Letter	Phase 1 ECD for RAIs / Complete
Part 2 Chap 1	Introduction and Interfaces	1	N/A	N/A	20(2218)	Drawing	7/15/2009	completed, response to RAI received August 24, 2009	ML092380344 08/24/2009	N/A	Yes
	Site Location and description	2.1.1	N/A	N/A	N/A	N/A	N/A	RSAC PSER and review complete	N/A	N/A	yes
	Exclusion Area Authority and Control	2.1.2	N/A	N/A	N/A	N/A	N/A	RSAC PSER and review complete	N/A	N/A	yes
	Population Distribution	2.1.3	N/A	N/A	N/A	N/A	N/A	RSAC PSER and review complete	N/A	N/A	yes
	Identification of potential hazards in site vicinity	2.2.1 - 2.2.2	N/A		30(2843)			RSAC PSER and review complete	Response for RAI 30 due October 15, 2009		yes
	Evaluation of Potential Accidents	2.2.3	N/A		31 (2844) 32 (2864)			RSAC PSER and review complete	Responses for RAIs 31 and 32 are due October 15, 2009		yes
	Regional Climatology	2.3.1									11-Sep-09
	Local Meteorology	2.3.2			45(3556)				RAI 45 response due October 19, 2009		11-Sep-09
	Onsite Meteorological Measurements Programs	2.3.3	N/A	4/29/2009	3(2584) 46(3557)	request for data	04/24/2009 ML091270429	RAI 46 response due October 19, 2009	5/8/2009 ML091330346; RAI 46 response due October 19, 2009	N/A	11-Sep-09
	Short-term Dispersion Estimates for Accident Releases	2.3.4									11-Sep-09
	Long-Term Atmospheric Dispersion Estimates for Routine Releases	2.3.5									11-Sep-09

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Part 2 Chap 2	Hydrology										
	Hydrologic Description	2.4.1						RHEB PSER complete			11-Sep-09
	Floods	2.4.2						RHEB PSER complete			11-Sep-09
	Probable Maximum Flood (PMF) on Streams and Rivers	2.4.3						RHEB PSER complete			11-Sep-09
	Potential Dam Failures	2.4.4						RHEB PSER complete			11-Sep-09
	Probable Maximum Surge and Seiche Flooding	2.4.5						RHEB PSER complete			11-Sep-09
	Probable Maximum Tsunami Hazards	2.4.6						RHEB PSER complete			11-Sep-09
	Ice Effects	2.4.7						RHEB PSER complete			11-Sep-09
	Cooling Water Canals and Reservoirs	2.4.8						RHEB PSER complete			11-Sep-09
	Channel Diversions	2.4.9						RHEB PSER complete			11-Sep-09
	Flooding Protection Requirements	2.4.10						RHEB PSER complete			11-Sep-09
	Low Water Considerations	2.4.11						RHEB PSER complete			11-Sep-09
	Groundwater	2.4.12						RHEB PSER complete			11-Sep-09
Accidental Releases of Radioactive Liquid Effluents in Ground and Surface Waters	2.4.13						RHEB PSER complete; CHPB review complete			11-Sep-09	

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	Technical Specifications and Emergency Operation Requirements	2.4.14						RHEB PSER complete			11-Sep-09
	Basic Geologic and Seismic Information	2.5.1	N/A		21(3015) 15 (3080) 14(3037)	seismic and geology	7/13/2009	RGS1 PSER and RAIs are complete. All three RAI responses are due on September 10, 2009	response to RAIs 2.5.1-7, 10, 18, 19 due September 28, 2009		yes
	Vibratory Ground Motion	2.5.2	N/A		11(1889)	ground motion	7/1/2009	RGS1 PSER complete; response to RAI 11 due on September 10, 2009	response to RAI 2.5.2-16 due September 28, 2009; response to RAI 2.5.2-1 and 3 due October 28, 2009		yes
	Surface Faulting	2.5.3			18(3016)	surface faulting	7/14/2009	RGS1 PSER complete. RAI response due on September 10, 2009			yes
	Stability of Subsurface Materials and Foundations	2.5.4	N/A		22(2929)		7/17/2009	RGS1 PSER complete, RAI response due on September 10, 2009	responses to RAI 2.5.4-1, 2, 3, 4; 2.5.4-9 and 10, 2.5.4-17 due October 28, 2009		yes
	Stability of Slopes	2.5.5	N/A		19(2930)	slope stability	7/14/2009	RGS1 PSER complete. RAI response due 42 days on September 10, 2009	response to RAI 2.5.5-2 due September 28, 2009; response to RAI 2.5.5-1 due October 28, 2009		yes

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	Seismic Classification	3.2.1	N/A	N/A	47(2758)	N/A	N/A	EMB2 PSRE complete, IBR	RAI 47 response due October 19, 2009	N/A	yes
	System Quality Group Classification	3.2.2						EMB2 PSER completed			18-Sep-09
	Wind Loadings	3.3.1						SEB1 PSER complete			18-Sep-09
	Tornado Loadings	3.3.2						SEB1 PSER complete			18-Sep-09
	Internal Flood Protection for Onsite Equipment Failures	3.4.1						SBPA PSER completed; RHEB secondary reviewer on Phase 2			18-Sep-09
	Analysis Procedures	3.4.2	N/A	N/A	N/A	N/A	N/A	SEB1 PSER and review complete	N/A	N/A	Yes
	Internally Generated Missiles (Outside Containment)	3.5.1.1	N/A	N/A	N/A	N/A	N/A	SBPA PSER complete IBR, monitor DCD	N/A	N/A	Yes
	Internally-Generated Missiles (Inside Containment)	3.5.1.2	N/A	N/A	N/A	N/A	N/A	SBPA PSER complete IBR	N/A	N/A	yes
	Turbine Missiles	3.5.1.3	N/A	N/A	12(2664)	TURBINE MISSILE GENERATION	7/12/2009	CIB PSER complete; RSAC secondary reviewer complete with PSER; RAI response received	ML092380343 August 24, 2009	N/A	yes
	Missiles Generated by Tornadoes and Extreme Winds	3.5.1.4	N/A	N/A	N/A	N/A	N/A	SBPA PSER complete IBR	N/A	N/A	yes
	Site Proximity Missiles (Except Aircraft)	3.5.1.5	N/A	N/A	N/A	N/A	N/A	RSAC PSER and review complete	N/A	N/A	Yes
	Aircraft Hazards	3.5.1.6	N/A	N/A	N/A	N/A	N/A	RSAC PSER and review complete	N/A	N/A	yes

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Part 2 Chap 3	Structures, Systems, and Components to be Protected from Externally-Generated Missiles	3.5.2						SBPA PSER complete			18-Sep-09
	Barrier Design Procedures	3.5.3						SEB 1 PSER complete			18-Sep-09
	Plant Design for Protection Against Postulated Piping Failures in Fluid Systems Outside Containment	3.6.1	N/A	N/A	N/A	N/A	N/A	SBPA PSER and review are complete. No secondary reviewer.	N/A	N/A	Yes
	Determination of Rupture Locations and Dynamic Effects Associated with the Postulated Rupture of Piping	3.6.2	N/A			27(2737)	8/11/2009	EMB2 Phase 1 PSER complete RAI response due 9/22/2009			Yes
	Leak-Before-Break Evaluation Procedures	3.6.3	N/A	N/A	N/A	N/A	N/A	CIB PSER complete, IBR	N/A	N/A	yes
	Seismic Design Parameters	3.7.1						SEB 1 PSER complete			18-Sep-09
	Seismic System Analysis	3.7.2						SEB 1 PSER complete			18-Sep-09
	Seismic Subsystem Analysis	3.7.3						SEB 1 PSER complete			18-Sep-09
	Seismic Instrumentation	3.7.4						RGS1 PSER complete			18-Sep-09
	Concrete Containment	3.8.1						SEB 1 PSER complete			18-Sep-09

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	Concrete and Steel Internal Structures of Steel or Concrete Containments	3.8.3	N/A	N/A	N/A	N/A	N/A	SEB 1 PSER and review complete	N/A	N/A	Yes
	Other Seismic Category I Structures	3.8.4						SEB 1 PSER complete			18-Sep-09
	Foundations	3.8.5						SEB 1 PSER complete			18-Sep-09
	Special Topics for Mechanical Components	3.9.1	N/A	N/A	N/A	N/A	N/A	EMB2 IBR PSER completed for Phase 1	N/A	N/A	yes
	Dynamic Testing and Analysis of Systems, Structures, and Components	3.9.2						EMB1 PSER completed for Phase 1			Yes
	ASME Code Class 1, 2, and 3 Components, and Component Supports, and Core Support Structures	3.9.3						EMB1 PSER completed for Phase 1			18-Sep-09
	Control Rod Drive Systems	3.9.4	N/A	N/A	N/A	N/A	N/A	EMB2 IBR PSER completed for Phase 1	N/A	N/A	yes
	Reactor Pressure Vessel Internals	3.9.5	N/A	N/A	N/A	N/A	N/A	EMB2 IBR PSER completed for Phase 1	N/A	N/A	yes
	Functional Design, Qualification, and Inservice Testing Programs for Pumps, Valves, and Dynamic Restraints	3.9.6						CIB PSER complete			18-Sep-09
	Seismic/Dynamic Qual of Mech/Elec Eqmt	3.10	N/A		25(2730)		8/11/2009	EMB PSER complete, EEB secondary PSER complete. RAI response due 9/22/2009			Yes

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	Environmental Qualification of Mechanical and Electrical Equipment	3.11						CIB PSER complete; EEB primary reviewer- PSER complete			18-Sep-09
	ASME Code Class 1, 2, and 3 Piping Systems, Piping Components and their Associated Supports	3.12						EMB1 PSER completed for Phase 1			yes
	Threaded Fasteners - ASME Code Class 1, 2, and 3	3.13	N/A	N/A	N/A	N/A	N/A	April 2, 2009 letter incorp deletion of COL items from DCD, need to verify DCD; CIB PSER complete	N/A	N/A	18-Sep-09
Part 2 Chap 4	Fuel System Design	4.2	N/A	N/A	N/A	N/A	N/A	SRSB PSER complete, IBR	N/A	N/A	yes
	Nuclear Design	4.3	N/A	N/A	N/A	N/A	N/A	SRSB PSER complete, IBR	N/A	N/A	yes
	Thermal and Hydraulic Design	4.4	N/A	N/A	N/A	N/A	N/A	SRSB PSER complete, IBR	N/A	N/A	Yes
	Control Rod Drive Structural Materials	4.5.1	N/A	N/A	N/A	N/A	N/A	CIB review complete IBR PSER completed for Phase 1	N/A	N/A	yes
	Reactor Internal and Core Support Structure Materials	4.5.2	N/A	N/A	N/A	N/A	N/A	CIB PSER complete IBR	N/A	N/A	yes
	Functional Design of Control Rod Drive System	4.6	N/A	N/A	N/A	N/A	N/A	SRSB PSER complete, IBR	N/A	N/A	Yes
	Compliance with the Codes and Standards Rule, 10 CFR 50.55a	5.2.1.1			40(2751)			CIB secondary reviewer completed PSER; EMB primary review PSER completed	RAI 40 response due October 19, 2009		Yes

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Part 2 Chap 5	Applicable Code Cases	5.2.1.2			41(2760) 42(2795)			CIB secondary reviewer completed PSER; EMB primary review PSER completed	RAIs 41 and 42 responses due October 19, 2009		Yes	
	Overpressure Protection	5.2.2									18-Sep-09	
	Reactor Coolant Pressure Boundary Materials	5.2.3	N/A	N/A	N/A	N/A	N/A	CIB complete, IBR PSER completed for Phase 1	N/A	N/A	yes	
	Reactor Coolant Pressure Boundary Inservice Inspection and Testing	5.2.4						CIB PSER complete, no secondary reviewer			18-Sep-09	
	Reactor Coolant Pressure Boundary Leakage Detection	5.2.5									18-Sep-09	
	Reactor Vessel Materials	5.3.1									18-Sep-09	
	Pressure-Temperature Limits, Upper-Shelf Energy, and Pressurized Thermal Shock	5.3.2	N/A	4/7/2009	2 (2317) 8(2353)	PTS, RT(PTS)	RAI 8: 6/26/2009 RAI 2: 04/01/2009 ML090920061	RAI response received for RAI 2; response for RAI 8 received.	RAI 2 5/1/2009 ML091250488; RAI 8 8/7/09 ML092230162	N/A	yes	
	Reactor Vessel Integrity	5.3.3	N/A	N/A	N/A	N/A	N/A	N/A	CIB PSER complete,	N/A	N/A	yes
	Reactor Coolant System Component and Subsystem Design	5.4	N/A	N/A	N/A	N/A	N/A	N/A	SRSB PSER complete, IBR	N/A	N/A	yes
	Pump Flywheel Integrity (PWR)	5.4.1.1	N/A	N/A	N/A	N/A	N/A	N/A	CIB PSER complete, IBR	N/A	N/A	yes
	Steam Generator Materials	5.4.2.1	N/A	N/A	N/A	N/A	N/A	N/A	CIB PSER complete, IBR	N/A	N/A	yes

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	Steam Generator Program	5.4.2.2	N/A	N/A	N/A	N/A	N/A	CIB PSER complete, IBR	N/A	N/A	yes
	Residual Heat Removal (RHR) System	5.4.7	N/A	N/A	N/A	N/A	N/A	SRSB PSER complete, IBR	N/A	N/A	yes
	Pressurizer Relief Tank	5.4.11	N/A	N/A	N/A	N/A	N/A	SRSB PSER complete, IBR	N/A	N/A	yes
	Reactor Coolant System High Point Vents	5.4.12	N/A	N/A	N/A	N/A	N/A	SRSB PSER complete, IBR	N/A	N/A	yes
	Engineered Safety Features Materials	6.1.1	N/A	N/A	N/A	N/A	N/A	CIB PSER complete, IBR	N/A	N/A	yes
	Protective Coating Systems (Paints) - Organic Materials	6.1.2	N/A	N/A	13(2805)	PROTECTIVE COATINGS	7/12/2009	CIB PSER complete. RAI response received.	08/24/2009 ML092380343	N/A	yes
	Containment Functional Design	6.2.1	N/A	N/A	N/A	N/A	N/A	SPCV PSER complete IBR	N/A	N/A	yes
	Sub compartment Analysis	6.2.1.2	N/A	N/A	N/A	N/A	N/A	SPCV PSER complete IBR	N/A	N/A	yes
	Mass and Energy Release Analysis for Postulated Loss-of-Coolant Accidents (LOCAs)	6.2.1.3	N/A	N/A	N/A	N/A	N/A	SPCV PSER complete IBR	N/A	N/A	yes
	Mass and Energy Release Analysis for Postulated Secondary System Pipe Ruptures	6.2.1.4	N/A	N/A	N/A	N/A	N/A	SPCV PSER complete IBR	N/A	N/A	yes
	Minimum Containment Pressure Analysis for Emergency Core Cooling System Performance Capability Studies	6.2.1.5	N/A	N/A	N/A	N/A	N/A	SPCV PSER complete IBR	N/A	N/A	yes

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Part 2 Chap 6	Containment Heat Removal Systems	6.2.2	N/A	N/A	N/A	N/A	N/A	SPCV PSER complete IBR, CIB secondary review also complete	N/A	N/A	yes
	Secondary Containment Functional Design	6.2.3	deleted	deleted	deleted	deleted	deleted	deleted	deleted	deleted	deleted
	Containment Isolation System	6.2.4	N/A	N/A	N/A	N/A	N/A	SPCV PSER complete IBR	N/A	N/A	yes
	Combustible Gas Control in Containment	6.2.5	N/A	N/A	N/A	N/A	N/A	SPCV PSER complete IBR	N/A	N/A	yes
	Containment Leakage Testing	6.2.6	N/A	N/A	N/A	N/A	N/A	SPCV PSER complete IBR	N/A	N/A	yes
	Fracture Prevention of Containment Pressure Boundary	6.2.7	N/A	N/A	N/A	N/A	N/A	CIB PSER complete IBR	N/A	N/A	yes
	Emergency Core Cooling System	6.3	N/A	N/A	N/A	N/A	N/A	SRSB PSER complete, IBR	N/A	N/A	yes
	Control Room Habitability System	6.4						RSAC secondary review PSER complete; SPCV primary reviewer PSER also complete			18-Sep-09
	ESF Atmosphere Cleanup Systems	6.5.1	N/A	N/A	N/A	N/A	N/A	SPCV primary review. RSAC completed PSER. IBR	N/A	N/A	yes
	Containment Spray as a Fission Product Cleanup System	6.5.2	N/A	N/A	N/A	N/A	N/A	SPCV, RSAC, and CIB completed review. IBR PSER completed for Phase 1	N/A	N/A	yes
	Fission Product Control Systems and Structures	6.5.3	N/A	N/A	N/A	N/A	N/A	RSAC primary review and SPCV completed review, IBR PSER completed for Phase 1	N/A	N/A	yes
	Pressure Suppression Pool as a Fission Product Cleanup System	6.5.5	N/A	N/A	N/A	N/A	N/A	CIB primary and RSAC secondary reviews complete, IBR PSER completed for Phase 1	N/A	N/A	yes

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	Inservice Inspection and Testing of Class 2 and 3 Components	6.6			43(2970) 44(2971)			CIB PSER complete, no secondary reviewer	RAIs 43 and 44 responses due October 19, 2009		yes
Part 2 Chap 7	Instrumentation and Controls -- Introduction	7.1	N/A	N/A	N/A	N/A	N/A	ICE review complete IBR PSER completed for Phase 1	N/A	N/A	yes
	Reactor Trip System	7.2	N/A	N/A	N/A	N/A	N/A	ICE review complete IBR PSER completed for Phase 1	N/A	N/A	yes
	Engineered Safety Features Systems	7.3	N/A	N/A	N/A	N/A	N/A	ICE review complete IBR PSER completed for Phase 1	N/A	N/A	yes
	Safe Shutdown Systems	7.4	N/A	5/5/2009	4 (2504)	UHS	04/24/2009 ML091270423	RAI response received ICE review complete PSER completed	26-May-09	N/A	yes
	Information Systems Important to Safety	7.5	N/A	5/5/2009	5 (2506)	EOF	04/24/2009 ML091270419	RAI response received ICE review complete PSER completed; CHPB review completed	26-May-09	N/A	yes
	Interlock Systems Important to Safety	7.6	N/A	N/A	N/A	N/A	N/A	ICE review complete IBR PSER completed for Phase 1	N/A	N/A	yes
	Control Systems	7.7	N/A	N/A	N/A	N/A	N/A	ICE review complete IBR PSER completed for Phase 1	N/A	N/A	yes
	Diverse Instrumentation and Control Systems	7.8	N/A	N/A	N/A	N/A	N/A	ICE review complete IBR PSER completed for Phase 1	N/A	N/A	yes
	Data Communication Systems	7.9	N/A	N/A	N/A	N/A	N/A	ICE review complete IBR PSER completed for Phase 1	N/A	N/A	yes
	Electric Power - Introduction	8.1	N/A	N/A	9(2576)	N/A	N/A	EEB Review PSER complete; RAI response received	8/11/2009 ML092240406	N/A	yes
	Offsite Power System	8.2	N/A		24(2577)		6/30/2009	EEB Review complete, PSER; RAI response due in 42 days on 9/9/2009			yes

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Part 2 Chap 8	A-C Power Systems (Onsite)	8.3.1	N/A		23(2581)		7/27/2009	EEB Review complete, PSER; RAI response due in 42 days on 9/8/09			yes
	D-C Power Systems (Onsite)	8.3.2	N/A	N/A	N/A	N/A	N/A	EEB Review complete, PSER	N/A	N/A	yes
	Station Blackout	8.4	N/A	N/A	N/A	N/A	N/A	EEB Review complete, PSER	N/A	N/A	yes
	Criticality Safety of Fresh and Spent Fuel Storage and Handling	9.1.1	N/A	N/A	N/A	N/A	N/A	CIB and SRSB PSERS complete IBR	N/A	N/A	yes
	New and Spent Fuel Storage	9.1.2	N/A	N/A	N/A	N/A	N/A	SBPA IBR review complete IBR, CIB PSER complete	N/A	N/A	yes
	Spent Fuel Pool Cooling and Cleanup System	9.1.3	N/A	N/A	N/A	N/A	N/A	CIB PSER review complete; SBPA to review	N/A	N/A	yes
	Light Load Handling System (Related to Refueling)	9.1.4									25-Sep-09
	Overhead Heavy Load Handling Systems	9.1.5						SBPA PSER complete			25-Sep-09
	Station Service Water System	9.2.1									25-Sep-09
	Reactor Auxiliary Cooling Water Systems	9.2.2	N/A	N/A	N/A	N/A	N/A	SBPA IBR review complete	N/A	N/A	yes
	Potable and Sanitary Water Systems	9.2.4						SBPA PSER complete			25-Sep-09
	Ultimate Heat Sink	9.2.5									25-Sep-09
	Condensate Storage Facilities	9.2.6	N/A	N/A	N/A	N/A	N/A	SBPA PSER and review complete	N/A	N/A	yes
Chilled Water system	9.2.7	N/A	N/A	N/A	N/A	N/A	SBPA IBR review complete	N/A	N/A	yes	

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Part 2 Chapter 9	Turbine Building Cooling Water System	9.2.8	N/A	N/A	N/A	N/A	N/A	SBPA IBR review complete	N/A	N/A	yes
	Non-Essential Service Water system	9.2.9	N/A	N/A	N/A	N/A	N/A	SBPA IBR review complete	N/A	N/A	yes
	Compressed Air System	9.3.1	N/A	N/A	N/A	N/A	N/A	SBPA PSER review complete	N/A	N/A	yes
	Process and Post-accident Sampling Systems	9.3.2	N/A	N/A				CIB PSER review complete; CHPB review complete			25-Sep-09
	Equipment and Floor Drainage System	9.3.3	N/A	N/A	N/A	N/A	N/A	SBPA PSER IBR	N/A	N/A	yes
	Chemical and Volume Control System (PWR) (Including Boron Recovery System)	9.3.4	N/A	N/A	N/A	N/A	N/A	CIB PSER review complete; SRSB PSER secondary review complete	N/A	N/A	yes
	Control Room Area Ventilation System	9.4.1						SPSV PSER and review complete			25-Sep-09
	Spent Fuel Pool Area Ventilation System	9.4.2	N/A	N/A	N/A	N/A	N/A	SPSV PSER and review complete, IBR	N/A	N/A	yes
	Auxiliary and Radwaste Area Ventilation System	9.4.3				48(3225)		SPSV PSER and review complete; CHPB secondary review ongoing	RAI 48 response due October 19, 2009		25-Sep-09
	Turbine Area Ventilation System	9.4.4	N/A	N/A	N/A	N/A	N/A	SPSV PSER and review complete, IBR	N/A	N/A	Yes
	Engineered Safety Feature Ventilation System	9.4.5									25-Sep-09
	Containment Ventilation System	9.4.6							related to SRP 9.4.5		

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	Fire Protection Program	9.5.1	N/A	N/A	10(2328) 1(2332)	fire protection testing	RAI 10: 6/30/2009 RAI 1: 03/30/2009 ML090890669	see RAI 1 (2328) SFPB review RAI response; SFPB PSER complete; RAI 10 received	RAI 1: 05/01/2009 ML091250488 RAI: 10 8/11/2009 ML092240406	N/A	yes
	Communications Systems	9.5.2	N/A		34(2764)			ICE1 PSER complete	RAI 34 response due October 15, 2009		25-Sep-09
	Lighting Systems	9.5.3									25-Sep-09
	Emergency Diesel Engine Fuel Oil Storage and Transfer System	9.5.4	N/A	N/A	N/A	N/A	N/A	CIB PSER complete, IBR	N/A	N/A	yes
	Emergency Diesel Engine Cooling Water System	9.5.5	N/A	N/A	N/A	N/A	N/A	SPBA IBR review complete	N/A	N/A	yes
	Emergency Diesel Engine Starting System	9.5.6	N/A	N/A	N/A	N/A	N/A	SPBA IBR review complete	N/A	N/A	yes
	Emergency Diesel Engine Lubrication System	9.5.7	N/A	N/A	N/A	N/A	N/A	SPBA IBR review complete	N/A	N/A	yes
	Emergency Diesel Engine Combustion Air Intake and Exhaust System	9.5.8	N/A	N/A	N/A	N/A	N/A	SPBA IBR review complete	N/A	N/A	yes
	Turbine Generator	10.2	N/A	N/A	N/A	N/A	N/A	SBPA PSER complete IBR	N/A	N/A	yes
	Turbine Rotor Integrity	10.2.3	N/A	N/A	6 (2614)	turbine inspection program	04/29/2009 ML091270403	CIB PSER complete,	06/17/2009 ML091740112	N/A	Yes
	Main Steam Supply System	10.3	N/A	N/A	16(2700)	MSSV	7/13/2009	SBPA PSER complete, RAI response received.	ML092380343 August 24, 2009	N/A	Yes

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Part 2 Chapter 10	Steam and Feed water System Materials	10.3.6			7	FAC	6/26/2009	CIB and SBPA review complete for phase 1, PSER; RAI response received	RAI 7 8/7/09 ML092230162		Yes	
	Main Condensers	10.4.1	N/A	N/A	N/A	N/A	N/A	SBPA PSER complete, IBR	N/A	N/A	yes	
	Main Condenser Evacuation System	10.4.2	N/A	N/A	N/A	N/A	N/A	SBPA PSER complete, IBR	N/A	N/A	yes	
	Turbine Gland Sealing System	10.4.3	N/A	N/A	N/A	N/A	N/A	SBPA PSER complete, IBR	N/A	N/A	yes	
	Turbine Bypass System	10.4.4	N/A	N/A	N/A	N/A	N/A	SBPA PSER complete, IBR	N/A	N/A	yes	
	Circulating Water System	10.4.5						SBPA phase 1 PSER review complete			yes	
	Condensate Cleanup System	10.4.6	N/A	N/A	N/A	N/A	N/A	CIB PSER review complete IBR	N/A	N/A	yes	
	Condensate and Feed water System	10.4.7	N/A	N/A	N/A	N/A	N/A	SBPA PSER complete, IBR	N/A	N/A	yes	
	Steam Generator Blow down System (PWR)	10.4.8	N/A	N/A	N/A	17(2708)	SGBS	7/14/2009	CIB phase 1 PSER review complete, response received	ML092380344 08/24/2009	N/A	yes
	Auxiliary Feed water System (PWR)	10.4.9	N/A	N/A	N/A	N/A	N/A	N/A	SBPA PSER complete, IBR	N/A	N/A	yes
	Source Terms	11.1	N/A	N/A	N/A	N/A	N/A	RSAC primary reviewer completed PSER, CHPB concurred, IBR	N/A	N/A	yes	
	Liquid Waste Management System	11.2	N/A		29 (2747) 49(3398)			SBPA secondary reviewer completed PSER. CHPB primary review complete. RAI 29 response due 9/25/2009	RAI 29 response due 9/25/2009. RAI 49 response due 10/19/2009		Yes	
	Gaseous Waste Management System	11.3	N/A		35 (2748) 36(3400)			SBPA secondary reviewer completed PSER. CHPB primary review complete.	RAIs 35 and 36 responses due October 15, 2009		Yes	

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Part 2 Chapter 11	Solid Waste Management System	11.4	N/A		38(2749) 39(3401)			SBPA secondary reviewer completed PSER. CHPB primary review complete.	RAIs 38 and 39 responses due October 19, 2009		Yes
	Process and Effluent Radiological Monitoring Instrumentation and Sampling Systems	11.5			50(3402)			CHPB, ICE, CTSB review and PSER complete.	RAI 50 response due October 19, 2009		25-Sep-09
Part 2 Chapter 12	Assuring that Occupational Radiation Exposures Are As Low As Is Reasonably Achievable	12.1									25-Sep-09
	Radiation Sources	12.2									25-Sep-09
	Radiation Protection Design Features	12.3-12.4									25-Sep-09
	Operational Radiation Protection Program	12.5									25-Sep-09
Part 2 Chapter 13	Management and Technical Support Organization	13.1.1						NRO/DCIP/COLP PSER received			11-Sep-09
	Operating Organization	13.1.2-13.1.3						NRO/DCIP/COLP PSER received			11-Sep-09
	Reactor Operator Requalification Program; Reactor Operator Training	13.2.1						NRO/DCIP/COLP PSER received			11-Sep-09
	Non-Licensed Plant Staff Training	13.2.2						NRO/DCIP/COLP PSER received			11-Sep-09
	Emergency Planning	13.3									11-Sep-09
	Operational Programs	13.4						CHPB PSER complete			26-Jun-09

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Part	Administrative Procedures - General	13.5.1.1						NRO/DCIP/COLP PSER received			11-Sep-09
	Administrative Procedures - Initial Test Program	13.5.1.2						NRO/DCIP/COLP PSER received			11-Sep-09
	Operating and Emergency Operating Procedures	13.5.2.1			37(3033)			NRO/DCIP/COLP PSER received	Response to RAI 37 due October 19, 2009		11-Sep-09
	Physical Security	13.6	N/A	N/A	N/A	N/A	N/A	deferred to phases 2 and 4	N/A	N/A	Yes
	Initial Plant Test Program - Design Certification and New License Applicants	14.2						CHPB PSER complete			25-Sep-09
	Inspections, Tests, Analyses, and Acceptance Criteria	14.3	N/A	4/1/2009	1 (2328)	fire protection	03/30/2009 ML090890669	RAI response received; CTSB PSER complete	05/01/2009 ML091250488	N/A	26-Jun-09
	Structural and Systems Engineering - Inspections, Tests, Analyses, and Acceptance Criteria	14.3.2	N/A	N/A	N/A	N/A	N/A	SEB 1 PSER and review complete	N/A	N/A	Yes
	Piping Systems and Components - Inspections, Tests, Analyses, and Acceptance Criteria	14.3.3						EMB1 PSER completed for Phase 1			25-Sep-09
Reactor Systems - Inspections, Tests, Analyses, and Acceptance Criteria	14.3.4						SRSB PSER complete, IBR			Yes	

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Part 2 Chapter 14	Instrumentation and Controls - Inspections, Tests, Analyses, and Acceptance Criteria	14.3.5	N/A	N/A	N/A	N/A	N/A	ICE1 PSER complete	N/A	N/A	yes
	Electrical Systems - Inspections, Tests, Analyses, and Acceptance Criteria	14.3.6	N/A	N/A	N/A	N/A	N/A	EEB Review complete, PSER	N/A	N/A	Yes
	Plant Systems - Inspections, Tests, Analyses, and Acceptance Criteria	14.3.7						CTSB PSER complete			28-Aug-09
	Radiation Protection - Inspections, Tests, Analyses, and Acceptance Criteria	14.3.8						CHPB PSER complete			Yes
	Human Factors Engineering - Inspections, Tests, Analyses, and Acceptance Criteria	14.3.9	N/A	N/A	N/A	N/A	N/A	COLP PSER complete, IBR	N/A	N/A	yes
	Emergency Planning - Inspections, Tests, Analyses, and Acceptance Criteria	14.3.10									15-Jul-09
	Containment Systems - Inspections, Tests, Analyses, and Acceptance Criteria	14.3.11	N/A	N/A	N/A	N/A	N/A	SPCV PSER complete IBR. Other secondary reviewers.	N/A	N/A	1-Jul-09
	Physical Security Hardware - Inspections, Tests, Analyses, and Acceptance Criteria	14.3.12	N/A	N/A	N/A	N/A	N/A	deferred to phases 2 and 4	N/A	N/A	N/A

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	Introduction - Transient and Accident Analyses	15	N/A	N/A	N/A	N/A	N/A	RSAC review and PSER complete	N/A	N/A	Yes
	Review of Transient and Accident Analysis Method	15.0.2	N/A	N/A	N/A	N/A	N/A	RSAC review and PSER complete	N/A	N/A	yes
	Design Basis Accident Radiological Consequences of Analyses for Advanced Light Water Reactors	15.0.3	N/A	N/A	N/A	N/A	N/A	RSAC review and PSER complete	N/A	N/A	Yes
	Decrease in Feed water Temperature, Increase in Feed water Flow, Increase in Steam Flow, and Inadvertent Opening of a Steam Generator Relief or Safety Valve	15.1.1-15.1.4	N/A	N/A	N/A	N/A	N/A	SRSB review complete IBR	N/A	N/A	Yes
	Steam System Piping Failures Inside and Outside of Containment (PWR)	15.1.5.	N/A	N/A	N/A	N/A	N/A	SRSB review complete IBR	N/A	N/A	Yes
	Loss of External Load; Turbine Trip; Loss of Condenser Vacuum; and Steam Pressure Regulator Failure (Closed)	15.2.1-15.2.5	N/A	N/A	N/A	N/A	N/A	SRSB review complete IBR	N/A	N/A	Yes
	Loss of Nonemergency AC Power to the Station Auxiliaries	15.2.6	N/A	N/A	N/A	N/A	N/A	SRSB review complete IBR	N/A	N/A	Yes
	Loss of Normal Feed water Flow	15.2.7	N/A	N/A	N/A	N/A	N/A	SRSB review complete IBR	N/A	N/A	Yes

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Part 2 Chapter 15	Feed water System Pipe Breaks Inside and Outside Containment (PWR)	15.2.8	N/A	N/A	N/A	N/A	N/A	SRSB review complete IBR	N/A	N/A	Yes
	Loss of Forced Reactor Coolant Flow Including Trip of Pump Motor and Flow Controller Malfunctions	15.3.1-15.3.2	N/A	N/A	N/A	N/A	N/A	SRSB review complete IBR	N/A	N/A	Yes
	Reactor Coolant Pump Rotor Seizure and Reactor Coolant Pump Shaft Break	15.3.3-15.3.4	N/A	N/A	N/A	N/A	N/A	SRSB review complete IBR	N/A	N/A	Yes
	Uncontrolled Control Rod Assembly Withdrawal from a Subcritical or Low Power Startup Condition	15.4.1	N/A	N/A	N/A	N/A	N/A	SRSB review complete IBR	N/A	N/A	Yes
	Uncontrolled Control Rod Assembly Withdrawal at Power	15.4.2	N/A	N/A	N/A	N/A	N/A	SRSB review complete IBR	N/A	N/A	Yes
	Control Rod Misoperation (System Malfunction or Operator Error)	15.4.3	N/A	N/A	N/A	N/A	N/A	SRSB review complete IBR	N/A	N/A	Yes
	Startup of an Inactive Loop or Recirculation Loop at an Incorrect Temperature, and Flow Controller Malfunction	15.4.4-15.4.5	N/A	N/A	N/A	N/A	N/A	SRSB review complete IBR	N/A	N/A	Yes
	Inadvertent Decrease in Boron Concentration in the Reactor Coolant System (PWR)	15.4.6	N/A	N/A	N/A	N/A	N/A	SRSB review complete IBR	N/A	N/A	Yes

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	Inadvertent Loading and Operation of a Fuel Assembly in an Improper Position	15.4.7	N/A	N/A	N/A	N/A	N/A	SRSB review complete IBR	N/A	N/A	Yes
	Spectrum of Rod Ejection Accidents (PWR)	15.4.8	N/A	N/A	N/A	N/A	N/A	SRSB review complete IBR	N/A	N/A	Yes
	Inadvertent Operation of ECCS and Chemical and Volume Control System Malfunction that Increases Reactor Coolant Inventory	15.5.1-15.5.2	N/A	N/A	N/A	N/A	N/A	SRSB review complete IBR	N/A	N/A	Yes
	Radioactive Releases from a Subsystem or Component	15.5.7	N/A	N/A	N/A	N/A	N/A	SRSB review complete IBR	N/A	N/A	Yes
	Inadvertent Opening of a PWR Pressurizer Pressure Relief Valve	15.6.1	N/A	N/A	N/A	N/A	N/A	SRSB review complete IBR	N/A	N/A	Yes
	Radiological Consequences of Steam Generator Tube Failure	15.6.3	N/A	N/A	N/A	N/A	N/A	SRSB review complete IBR	N/A	N/A	Yes
	Loss-of-Coolant Accidents Resulting From Spectrum of Postulated Piping Breaks Within the Reactor Coolant Pressure Boundary	15.6.5	N/A	N/A	N/A	N/A	N/A	SRSB review complete IBR	N/A	N/A	Yes
	Radioactive Release from a Subsystem or Component	15.7	N/A	N/A	N/A	N/A	N/A	CHPB to review, Refer to BTP 11-6, review done as part of chapter 11	N/A	N/A	Yes

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	Anticipated Transients Without Scram	15.8	N/A	N/A	N/A	N/A	N/A	SRSB review complete IBR	N/A	N/A	Yes
	Evaluation Models and parameters for Analysis of Radiological Consequences of Accidents	15A	N/A	N/A	N/A	N/A	N/A	SRSB review complete IBR	N/A	N/A	Yes
Part 2 Chap 16	General, Plant Sys, Refueling, & Adm Ctrls: Technical Specifications	16.1						CTSB PSER complete			25-Sep-09
	SLs, Reactivity, Core Op Limits, & Special Ops: Technical Specifications	16.2						CTSB PSER complete			25-Sep-09
	Instrumentation: Technical Specifications	16.3						CTSB PSER complete			25-Sep-09
	RCS & ECCS: Technical Specifications	16.4						CTSB PSER complete			25-Sep-09
	Containment Systems: Technical Specifications	16.5						SPCV PSER complete. CTSB PSER complete.			25-Sep-09
	Electrical Power Sys: Technical Specifications	16.6						CTSB PSER complete			25-Sep-09
	Quality Assurance During the Design and Construction Phases	17.1									25-Sep-09
	Reliability Assurance Program (RAP)	17.4									25-Sep-09

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Part 2 Chap 17	Quality Assurance Program Description - Design Certification, Early Site Permit and New License Applicants	17.5						CQVP PSER Complete			25-Sep-09
	Maintenance Rule	17.6									25-Sep-09
Part 2 Chap 18	HFE Program Management	18.1	N/A	N/A	N/A	N/A	N/A	COLP PSER complete, IBR	N/A	N/A	yes
	Operating Experience Review	18.2	N/A	N/A	N/A	N/A	N/A	COLP PSER complete, IBR	N/A	N/A	yes
	Functional Requirements Analysis and Function Allocation	18.3	N/A	N/A	N/A	N/A	N/A	COLP PSER complete, IBR	N/A	N/A	yes
	Task Analysis	18.4	N/A	N/A	N/A	N/A	N/A	COLP PSER complete, IBR	N/A	N/A	yes
	Staffing and Qualifications	18.5	N/A	N/A	N/A	N/A	N/A	COLP PSER complete, IBR	N/A	N/A	yes
	Human Reliability Analysis	18.6	N/A	N/A	N/A	N/A	N/A	COLP PSER complete, IBR	N/A	N/A	yes
	Human-System Interface Design	18.7	N/A	N/A	N/A	N/A	N/A	COLP PSER complete, IBR	N/A	N/A	yes
	Procedure Development	18.8	N/A	N/A	N/A	N/A	N/A	COLP PSER complete, IBR	N/A	N/A	yes
	Training Program Development	18.9	N/A	N/A	N/A	N/A	N/A	COLP PSER complete, IBR	N/A	N/A	yes
	Human Factors Verification and Validation	18.10	N/A	N/A	N/A	N/A	N/A	COLP PSER complete, IBR	N/A	N/A	yes
	Design Implementation	18.11	N/A	N/A	N/A	N/A	N/A	COLP PSER complete, IBR	N/A	N/A	yes
Human Performance Monitoring	18.12	N/A	N/A	N/A	N/A	N/A	COLP PSER complete, IBR	N/A	N/A	yes	
9/14/2009											

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Part 2 Chap 19	Probabilistic Risk Assessment and Severe Accident Evaluation for New Reactors	19									11-Sep-09
	Determining the Technical Adequacy of Probabilistic Risk Assessment Results for Risk-Informed Activities	19.1	N/A		26(3287) 28(3214)		08/11/2009 8/14/2009	RAI response due 9/22/2009 for RAI 26; response due 9/25/2009 for RAI 28			11-Sep-09
	Review of Risk Information Used to Support Permanent Plant-Specific Changes to the Licensing Basis: General Guidance	19.2									11-Sep-09

Part 1	Administrative and Financial Information	N/A	N/A	N/A	N/A	financial assurance	6/26/2009	RAI response received, dated August 31, 2009	August 31, 2009		yes
Part 4	Technical Specifications										
Part 5	Emergency Plan										
Part 10	ITAAC and License Conditions										
Part 11	COLA Enclosures QAPD										

Cameron Peak BCQA RAI list

Phase 2 Draft RAI Issued	Telecon Date	RAI #	Phase 2 RAI Subject	Phase 2 Final RAI Issuance Date	Comments	Luminant Response Date	Proprietary Withholding Letter	Complete	Phase 2 Open Item

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Phase 2 Draft RAI Issued	Telecon Date	RAI #	Phase 2 RAI Subject	Phase 2 Final RAI Issuance Date	Comments	Luminant Response Date	Proprietary Withholding Letter	Complete	Phase 2 Open Item
					RHEB secondary reviewer				

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Phase 2 Draft RAI Issued	Telecon Date	RAI #	Phase 2 RAI Subject	Phase 2 Final RAI Issuance Date	Comments	Luminant Response Date	Proprietary Withholding Letter	Complete	Phase 2 Open Item

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Phase 2 Draft RAI Issued	Telecon Date	RAI #	Phase 2 RAI Subject	Phase 2 Final RAI Issuance Date	Comments	Luminant Response Date	Proprietary Withholding Letter	Complete	Phase 2 Open Item

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Phase 2 Draft RAI Issued	Telecon Date	RAI #	Phase 2 RAI Subject	Phase 2 Final RAI Issuance Date	Comments	Luminant Response Date	Proprietary Withholding Letter	Complete	Phase 2 Open Item

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Phase 2 Draft RAI Issued	Telecon Date	RAI #	Phase 2 RAI Subject	Phase 2 Final RAI Issuance Date	Comments	Luminant Response Date	Proprietary Withholding Letter	Complete	Phase 2 Open Item

Comanche Peak BCOLA RAI list

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Comanche Peak RCOLA RAI list

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