

PMComanchePeakPEm Resource

From: Monarque, Stephen
Sent: Wednesday, August 19, 2009 7:54 AM
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Cc: ComanchePeakCOL Resource
Subject: Information for weekly conference call on August 19, 2009
Attachments: Comanche Peak COLA RAI List.xls; Report Tracking List.xls

thanks,

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

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Options

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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
Chap 1	Introduction and Interfaces	1	N/A	N/A	20(2218)	Drawing	7/15/2009	completed, response to RAI due August 26, 2009			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						RSAC PSER and review complete			11-Sep-09
	Evaluation of Potential Accidents	2.2.3						RSAC PSER and review complete			11-Sep-09
	Regional Climatology	2.3.1									11-Sep-09
	Local Meteorology	2.3.2									11-Sep-09
	Onsite Meteorological Measurements Programs	2.3.3	N/A	4/29/2009	3 (2584)	request for data	04/24/2009 ML091270429	RSAC reviewing Response to RAI # 3	5/8/2009 ML091330346	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
	Hydrology										
	Hydrologic Description	2.4.1									20-Aug-09
	Floods	2.4.2									20-Aug-09
	Probable Maximum Flood (PMF) on Streams and Rivers	2.4.3									20-Aug-09

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Part 2 Chap 2	Potential Dam Failures	2.4.4									20-Aug-09	
	Probable Maximum Surge and Seiche Flooding	2.4.5									20-Aug-09	
	Probable Maximum Tsunami Hazards	2.4.6									20-Aug-09	
	Ice Effects	2.4.7									20-Aug-09	
	Cooling Water Canals and Reservoirs	2.4.8									20-Aug-09	
	Channel Diversions	2.4.9									20-Aug-09	
	Flooding Protection Requirements	2.4.10									20-Aug-09	
	Low Water Considerations	2.4.11									20-Aug-09	
	Groundwater	2.4.12									20-Aug-09	
	Accidental Releases of Radioactive Liquid Effluents in Ground and Surface Waters	2.4.13	N/A	N/A	20(2218)	Drawing	7/15/2009	completed, RAI response due 8/26/2009				20-Aug-09
	Technical Specifications and Emergency Operation Requirements	2.4.14										20-Aug-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				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				yes	

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	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			Yes
	Stability of Slopes	2.5.5			19(2930)	slope stability	7/14/2009	RGS1 PSER complete. RAI response due 42 days on September 10, 2009			yes
	Seismic Classification	3.2.1									4-May-09
	System Quality Group Classification	3.2.2						EMB2 PSER completed			4-May-09
	Wind Loadings	3.3.1						SEB1 PSER complete			5-Jun-09
	Tornado Loadings	3.3.2						SEB1 PSER complete			5-Jun-09
	Internal Flood Protection for Onsite Equipment Failures	3.4.1						SBPA PSER completed; RHEB secondary reviewer on Phase 2			15-May-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			12(2664)	TURBINE MISSILE GENERATION	7/12/2009	CIB PSER complete; RSAC secondary reviewer complete with PSER	RAI response due in 42 days, August 24, 2009		yes

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Part 2 Chap 3	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
	Structures, Systems, and Components to be Protected from Externally-Generated Missiles	3.5.2						SBPA PSER complete			11-Sep-09
	Barrier Design Procedures	3.5.3						SEB 1 PSER complete			11-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			5-Jun-09
	Seismic System Analysis	3.7.2						SEB 1 PSER complete			5-Jun-09
	Seismic Subsystem Analysis	3.7.3						SEB 1 PSER complete			5-Jun-09

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	Seismic Instrumentation	3.7.4						RGS1 PSER complete			18-May-09
	Concrete Containment	3.8.1						SEB 1 PSER complete			5-Jun-09
	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			5-Jun-09
	Foundations	3.8.5						SEB 1 PSER complete			5-Jun-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			4-May-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-May-09

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	Seismic/Dynamic Qual of Mech/Elec Eqmt	3.10	N/A		25(2730)		8/11/2009	EMB PSER complete, EEB secondary reviewer; RAI response due 9/22/2009			Yes
	Environmental Qualification of Mechanical and Electrical Equipment	3.11						CIB PSER complete; EEB to review as primary reviewer			17-Jul-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	23-Apr-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						CIB secondary reviewer completed PSER; EMB primary review PSER completed			1-Jul-09

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Part 2 Chap 5	Applicable Code Cases	5.2.1.2						CIB secondary reviewer completed PSER; EMB primary review PSER completed			15-Jul-09	
	Overpressure Protection	5.2.2									31-Aug-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			12-Jun-09	
	Reactor Coolant Pressure Boundary Leakage Detection	5.2.5									14-Sep-09	
	Reactor Vessel Materials	5.3.1									17-Jul-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
	Steam Generator Program	5.4.2.2	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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	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		13(2805)	PROTECTIVE COATINGS	7/12/2009	CIB PSER complete. RAI response due 42 days by August 24, 2009			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
	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

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Part 2 Chap	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			25-Jun-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
Inservice Inspection and Testing of Class 2 and 3 Components	6.6						CIB PSER complete, no secondary reviewer			22-May-09	

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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
8 8/25/2009	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
	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	8.3.2	N/A	N/A	N/A	N/A	N/A	EEB Review complete, PSER	N/A	N/A	Yes

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Part 2 Ch	(Onsite)	8.3.2					N/A				
	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									29-Jul-09
	Overhead Heavy Load Handling Systems	9.1.5						SBPA PSER complete			29-Jul-09
	Station Service Water System	9.2.1									25-Aug-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			15-Jul-09
	Ultimate Heat Sink	9.2.5									25-Aug-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
	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	

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Part 2 Chapter 9	Process and Post-accident Sampling Systems	9.3.2	N/A	N/A				CIB PSER review complete; CHPB awaiting MHI response to DCD RAI on section 9.3.2			25-Aug-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-Jun-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						SPSV PSER and review complete; CHPB secondary review ongoing			25-Aug-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-Jun-09
	Containment Ventilation System	9.4.6						related to SRP 9.4.5			
	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						ICE1 PSER complete			23-Apr-09
	Lighting Systems	9.5.3									2-Apr-09

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	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
Part 2 Chapter 10	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			16(2700)	MSSV	7/13/2009	SBPA PSER complete, RAI response due 42 days from July 13, 2009			Yes
	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

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	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			17(2708)	SGBS	7/14/2009	CIB phase 1 PSER review complete, response due 42 days on August 25, 2009			yes
	Auxiliary Feed water System (PWR)	10.4.9	N/A	N/A	N/A	N/A	N/A	SBPA PSER complete, IBR	N/A	N/A	yes
Part 2 Chapter 11	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			29 (2747)			SBPA secondary reviewer completed PSER. CHPB primary review ongoing. RAI 29 response due 9/25/2009			20-Aug-09
	Gaseous Waste Management System	11.3						SBPA secondary reviewer completed PSER. CHPB primary review ongoing. SPCV to also review.			20-Aug-09
	Solid Waste Management System	11.4						SBPA secondary reviewer completed PSER. CHPB primary review ongoing.			20-Aug-09
	Process and Effluent Radiological Monitoring Instrumentation and Sampling Systems	11.5									20-Aug-09
Chapter 12	Assuring that Occupational Radiation Exposures Are As Low As Is Reasonably Achievable	12.1									20-Aug-09
	Radiation Sources	12.2									20-Aug-09

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Part 2 Chapter 12	Radiation Protection Design Features	12.3-12.4									20-Aug-09
	Operational Radiation Protection Program	12.5									20-Aug-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									26-Jun-09
	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						NRO/DCIP/COLP PSER received			11-Sep-09
	Physical Security	13.6	N/A	N/A	N/A	N/A	N/A	N/A	deferred to phases 2 and 4	N/A	N/A
	Initial Plant Test Program - Design Certification and New License Applicants	14.2									25-Sep-09

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Part 2 Chapter 14	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									4-May-09
	Reactor Systems - Inspections, Tests, Analyses, and Acceptance Criteria	14.3.4									25-Sep-09
	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									26-Jun-09

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	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
	Introduction - Transient and Accident Analyses	15									25-Sep-09
	Review of Transient and Accident Analysis Method	15.0.2									25-Sep-09
	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	5.1.1-15.1.	N/A								25-Sep-09

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ter 15	Steam System Piping Failures Inside and Outside of Containment (PWR)	15.1.5.									25-Sep-09
	Loss of External Load; Turbine Trip; Loss of Condenser Vacuum; and Steam Pressure Regulator Failure (Closed)	5.2.1-15.2.	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
	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	5.3.1-15.3.	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	5.3.3-15.3.	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

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Part 2 Chap	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	5.4.4-15.4.	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
	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	5.5.1-15.5.	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

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	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						CHPB to review			
	Anticipated Transients Without Scram	15.8									25-Sep-09
	Evaluation Models and parameters for Analysis of Radiological Consequences of Accidents	15A									
	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			27-May-09

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Part 2 Chap 16	Instrumentation: Technical Specifications	16.3						CTSB PSER complete			17-Jul-09
	RCS & ECCS: Technical Specifications	16.4						CTSB PSER complete			25-Jun-09
	Containment Systems: Technical Specifications	16.5						SPCV PSER complete. CTSB PSER complete.			24-Jul-09
	Electrical Power Sys: Technical Specifications	16.6						CTSB PSER complete			25-Jun-09
Part 2 Chap 17	Quality Assurance During the Design and Construction Phases	17.1									11-Sep-09
	Reliability Assurance Program (RAP)	17.4									29-May-09
	Quality Assurance Program Description - Design Certification, Early Site Permit and New License Applicants	17.5						CQVP PSER Complete			11-Sep-09
	Maintenance Rule	17.6									16-Jul-09
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

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Part 1	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
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	financial assurance	6/26/2009	RAI letter issued June 26, 2009; requested 65 day response time, due August 3, 2009			yes
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Part 4	Technical Specifications										
Part 5	Emergency Plan										
Part 10	ITAAC and License Conditions										
Part 11	COLA Enclosures QAPD										

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					RHEB secondary reviewer				

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