## PMComanchePeakPEm Resource

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**Sent:** Wednesday, August 26, 2009 7:57 AM
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**Cc:** ComanchePeakCOL Resource
**Subject:** handouts for our call today
**Attachments:** Comanche Peak COLA RAI List.xls; Report Tracking List.xls

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

**Hearing Identifier:** ComanchePeak_COL_Public
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**From:** Monarque, Stephen

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| Report Tracking List.xls | 94202 | |

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Comanche Peak RCOLA 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 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 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 | response to RAI 2.5.2-1 and 3 due October 28, 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 | 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 | | | 19(2930) | slope stability | 7/14/2009 | RGS1 PSER complete. RAI response due 42 days on September 10, 2009 | response to RAI 2.5.5-1 due October 28, 2009 | | yes |
| | Seismic Classification | 3.2.1 | N/A | N/A | N/A | N/A | N/A | EMB2 PSRE complete, IBR | N/A | N/A | Yes |
| | 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 |

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|---|---|---|---|---|---|---|---|---|---|---|---|
| Chap 3 | 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 |
| | 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 |

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|---|---|---|---|---|---|---|---|---|---|---|---|
| Part 2 | 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 |
| | 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 |

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|---|---|---|---|---|---|---|---|---|---|---|---|
| | Functional Design, Qualification, and Inservice Testing Programs for Pumps, Valves, and Dynamic Restraints | 3.9.6 | | | | | | CIB PSER complete | | | 18-May-09 |
| | 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 |
| | 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 |

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|---|---|---|---|---|---|---|---|---|---|---|---|
| Part 2 C | 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 |
| Part 2 Chap 5 | 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 |
| | 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 | 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 | SRSB PSER complete, IBR | N/A | N/A | yes |

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|---|---|---|---|---|---|---|---|---|---|---|---|
| | Pump Flywheel Integrity (PWR) | 5.4.1.1 | 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 | 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 | 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 | | 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 |

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|---|---|---|---|---|---|---|---|---|---|---|---|
| Part 2 Chap 6 | 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 |
| | 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 |

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|---|---|---|---|---|---|---|---|---|---|---|---|
| | 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 |
| 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 |

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|---|---|---|---|---|---|---|---|---|---|---|---|
| Part 2 Chap 8 | 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 (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 | | | | | | | | | 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 |

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|---|---|---|---|---|---|---|---|---|---|---|---|
| Part 2 Chapter 9 | 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 |
| | 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 |

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|---|---|---|---|---|---|---|---|---|---|---|---|
| | 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 |
| | 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 |

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|---|---|---|---|---|---|---|---|---|---|---|---|
| Part 2 Chapter 10 | 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 |
| | 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 |
| | 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 |

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|---|---|---|---|---|---|---|---|---|---|---|---|
| Part 2 Chapter 11 | 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 |
| Part 2 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 |
| | Radiation Protection Design Features | 12.3-12.4 | | | | | | | | | 20-Aug-09 |
| | Operational Radiation Protection Program | 12.5 | | | | | | | | | 20-Aug-09 |
| pter 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 |

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|---|---|---|---|---|---|---|---|---|---|---|---|
| Part 2 Cha | 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 | deferred to phases 2 and 4 | N/A | N/A | Yes |
| | Initial Plant Test Program - Design Certification and New License Applicants | 14.2 | | | | | | | | | 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 | | | | | | | | | 4-May-09 |

| 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 Chapter 14 | 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 |
| | 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 |

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|---|---|---|---|---|---|---|---|---|---|---|---|
| | 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 | 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 |

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|---|---|---|---|---|---|---|---|---|---|---|---|
| Part 2 Chapter 15 | 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 | 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 |

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|---|---|---|---|---|---|---|---|---|---|---|---|
| | 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 | 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 |

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|---|---|---|---|---|---|---|---|---|---|---|---|
| | Radioactive Release from a Susbsyem 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 |
| | 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 | | | 27-May-09 |
| | 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 |
| | Quality Assurance During the Design and Construction Phases | 17.1 | | | | | | | | | 11-Sep-09 |
| | Reliability Assurance Program (RAP) | 17.4 | | | | | | | | | 29-May-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 | | | 11-Sep-09 |
| | Maintenance Rule | 17.6 | | | | | | | | | 16-Jul-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 |

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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)<br>28(3214) | | 08/11/2009<br>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 |
| Part 4 | Technical Specifications | | | | | | | | | | |
| Part 5 | Emergency Plan | | | | | | | | | | |
| Part 10 | ITAAC and License Conditions | | | | | | | | | | |
| Part 11 | COLA Enclosures QAPD | | | | | | | | | | |

Comanche Peak RCOLA RAI list

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Comanche Peak RCOL List of Topical and Technical Reports

| | Report No | Report Name | Type | Supports COL Chapter | Rev | Submitted Dates | Reference Letter | Acceptance Letter | Withholding Letter | Request for Additional Info. (RAI) | RAI Response | Issue FSER (prop & tech review) | Provide FSER to ACRS | Issue FSER (TOP-A & SER) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | Log No. TXNB-09022 | Mitigative Strategies Report | | | 0 | May 22, 2009 | | | | | | | | |
| 2 | | Cyber Security | | 13 | | December 2009 | | | | | | | | |
| 3 | | Fitness for Duty (part of COLA Rev 1 submittal) | | 13.6 | | November 2009 | | | | | | | | |
| 4 | | Physical Security Plan (after completion of plan for existing units) | | 13 | | October 2009 | | | | | | | | |

Topical/Technical Reports, RAIs, Resposes to NRC Questions submitted since the previous Weekly Conference Call (processing in ADAMS)
Topical/Technical Reports, RAIs, Resposes to NRC Questions to be submitted in the near future
NRC updates or RAIs NRC expects to submit in the near future