

Primary, Secondary, and Review Interface SRP Update Review Responsibilities

Definitions of responsibilities for the primary review branch, secondary review branch, and review interface branch are included in Chapter 4.0, Review Organization, of NRO-REG-300, *Maintaining and Updating the Standard Review Plan*. The table below reflects the current primary, secondary, and review interface responsibilities for the Standard Review Plan (SRP) update process. This table will be updated as review responsibilities change.

Current Revision Date - March 2017

| SRP Section | Section Title | Primary DIV | Primary Review Branch | Secondary Review DIV | Secondary Review Branch | Secondary Reviewer Justification | Review Interface Division | Review Interface Branch | Review Interface Justification | Latest Revision | Revision Date | Current Revision ADAMS # |
|-------------|--|-------------|-----------------------|--|-------------------------|---|---------------------------|-------------------------|--|-----------------|---------------|-----------------------------|
| 1.0 | Introduction and Interfaces | DNRL | LB1, LB2, LB3, LB4 | All review organizations | Multiple | | | | | Rev. 1 | | |
| 2.0 | Site Characteristics and Site Parameters | DNRL | LB1, LB2, LB3, LB4 | All SRP Chapter 2 review organizations | Multiple | | DSEA | RPAC | Site characteristics (for ESPs, COLs, CPs and OLs) or site parameters (for DCs), specifically the short-term (accident) atmospheric dispersion factors and distances to the EAB and LPZ, listed under this section are used as input to the DBA dose analyses reviewed under SRP 15.0.3. | Rev. 1 | Oct-16 | ML15279A105 |
| 2.1.1 | Site Location and Description | DSEA | RPAC | | | | DSEA | RMOT | RMOT needs to know the location of the EAB and outer boundary of the LPZ in order to perform atmospheric dispersion estimates for these locations | Rev. 3 | Mar-07 | ML070550023 |
| 2.1.2 | Exclusion Area Authority and Control | DSEA | RPAC | NSIR-DPR | | | | | | Rev. 3 | Mar-07 | ML070550024 |
| 2.1.3 | Population Distribution | DSEA | RPAC | NSIR-DPR | LIB under EP | | DSEA | RENV RPAC | RENV and RPAC are end users for information in ESRP Section 2.5.1, Demography, for socioeconomic, radiological health, and severe accident impacts | Rev. 3 | Mar-07 | ML070550028 |
| 2.2.1-2.2.2 | Identification of Potential Hazards in Site Vicinity | DSEA | RPAC | DSRA | SCVB | control room habitability | | | | Rev. 3 | Mar-07 | ML070460330 |
| 2.2.3 | Evaluation of Potential Accidents | DSEA | RPAC | DSEA/DSRA | RMOT/SCVB | RMOT has access to onsite meteorological data that can be used to perform atmospheric dispersion estimates for potential accidents. SCVB addresses control room habitability. | | | | Rev. 3 | Mar-07 | ML070460336 |

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| 2.3.1 | Regional Climatology | DSEA | RMOT | | | | DEIA, DSRA, DSEA | SEB, SPSB, SCVB, SPCA, RENV | RMOT provides input to the design wind speed used in SRP 3.3.1 and the design basis tornado used in SRP 3.3.2, coordinates the review of the design-basis extreme wind parameters used in 3.5.1.4, and provides input to the severe and extreme environmental conditions used in SRP 3.8.1, 3.8.2, 3.8.4, 9.2.5, 9.4.1, 19.0 and 19.3. RENV applies the same information in ESRP Section 2.7. This insures consistency between the SER and the EIS. | Rev. 3 | Mar-07 | ML063600393 |
| 2.3.2 | Local Meteorology | DSEA | RMOT | | | | NRR-DE, DSEA | EEEEB, RENV | RENV applies the same information in ESRP Sections 2.7 and 5.3.3.1. This ensures consistency between the SER and the EIS. | Rev. 3 | Mar-07 | ML070730395 |
| 2.3.3 | Onsite Meteorological Measurements Programs | DSEA | RMOT | | | | DEIA, DSRA, DSEA | RPAC, LIB under EP, RENV | The meteorological monitoring program provides input to the Type E accident monitoring instrumentation discussed in SRP 7.5. RMOT also reviews the meteorological monitoring system described in SRP 13.3. RPAC is an end user of hourly meteorological data for off-site dose consequences in ESRP 7.2. RENV applies the same information in ESRP Sections 2.7 and 6.3. This ensures consistency between the SER and the EIS. | Rev. 3 | Mar-07 | ML063600394 |

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| 2.3.4 | Short Term Dispersion Estimates for Accidental Atmospheric Releases | DSEA | RMOT | DSEA | RPAC | | DSEA | RPAC, RENV | The short-term atmospheric dispersion factors reviewed under this SRP section are used as input to the DBA dose analyses reviewed under SRP 6.4, 15.0.1, and 15.0.3. RPAC is end user of short-term X/Q parameters for offsite gaseous effluent dose calculations in SRP 11.3. RENV applies the same information in ESRP Sections 2.7 and 5.3.3.1. RPAC applies the same information in ESRP Sections 7.1. This ensures consistency between the SER and the EIS. | Rev. 3 | Mar-07 | ML070730398 |
| 2.3.5 | Long-Term Atmospheric Dispersion Estimates for Routine Releases | DSEA | RMOT | DSEA | RPAC | RPAC is end user of short/long-term X/Q and D/Q parameters for offsite gaseous effluent dose calculations in SRP 11.3. | DSEA | RENV | RENV applies the same information in ESRP Sections 2.7. RPAC applies the same information in ESRP Sections 4.5 and 5.4. This ensures consistency between the SER and the EIS. | Rev. 3 | Mar-07 | ML070730713 |
| 2.4.1 | Hydrologic Description | DSEA | RHM1, RHM2 | | | | DSEA | RENV | RENV bases ESRP Section 2.3.1 on the same information. This ensures consistency between the SER and the EIS. | Rev. 3 | Mar-07 | ML070100646 |
| 2.4.2 | Floods | DSEA | RHM1, RHM2 | DSEA | RMOT | RMOT - Review of rainfall depth values in these analyses. | DSEA | RENV | RENV bases ESRP Section 2.3.1 on the same information. This ensures consistency between the SER and the EIS. | Rev. 3 | Mar-07 | ML070100647 |
| 2.4.3 | Probable Maximum Flood (PMF) on Streams and Rivers | DSEA | RHM1, RHM2 | DSEA | RMOT | Review of meteorological values (rainfall and wind speeds) in these analyses. | | | | Rev. 3 | Mar-07 | ML070730405 |
| 2.4.4 | Potential Dam Failures | DSEA | RHM1, RHM2 | DSEA | RGS | Review of seismic and geotechnical aspects of dam failures | | | | Rev. 3 | Mar-07 | ML070730417 |
| 2.4.5 | Probable Maximum Surge and Seiche Flooding | DSEA | RHM1, RHM2 | DSEA | RMOT | Review of meteorological values (hurricane parameters, wind speeds for seiche, etc.) in these analyses. | DSEA | RENV | Sea level rise and climate change aspects is a factor in the coastal hazards analysis. | Rev. 3 | Mar-07 | ML070730425 |
| 2.4.6 | Probable Maximum Tsunami Hazards | DSEA | RHM1, RHM2 | | | | | | | Rev. 3 | Mar-07 | ML070160659 |

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| 2.4.7 | Ice Effects | DSEA | RHM1, RHM2 | DSEA | RMOT | Review of meteorological values (freezing degree days) in these analyses. | | | | Rev. 3 | Mar-07 | ML070100648 |
| 2.4.8 | Cooling Water Canals and Reservoirs | DSEA | RHM1, RHM2 | | | | DSEA | RENV | RENV bases ESRP Section 2.3.1 on the same information. This ensures consistency between the SER and the EIS. | Rev. 3 | Mar-07 | ML070730431 |
| 2.4.9 | Channel Diversions | DSEA | RHM1, RHM2 | | | | | | | Rev. 3 | Mar-07 | ML070730434 |
| 2.4.10 | Flooding Protection Requirements | DSEA | RHM1, RHM2 | | | | DEIA | SEB | SEB is the end user of the subsurface information in the structural design and the scope includes the impact on structures. | Rev. 3 | Mar-07 | ML0707340437 |
| 2.4.11 | Low Water Considerations | DSEA | RHM1, RHM2 | | | | DSEA | RENV | RENV bases ESRP Section 2.3.1 on the same information. This ensures consistency between the SER and the EIS. | Rev. 3 | Mar-07 | ML070730439 |
| 2.4.12 | Groundwater | DSEA | RHM1, RHM2 | | | | DEIA, DSEA | SEB, RENV, and RGS | RENV - bases ESRP Section 2.3.1 on the same information. This ensures consistency between the SER and the EIS. RGS - regarding description of the subsurface. SEB - structural design and the scope includes the impact on structures. | Rev. 3 | Mar-07 | ML070730443 |
| 2.4.13 | Accidental Releases of Radioactive Liquid Effluents in Ground and Surface Waters | DSEA | RHM1, RHM2 | DSEA | RPAC | | DSEA | RENV | RENV bases ESRP Section 2.3.1 on the same information. This ensures consistency between the SER and the EIS. | Rev. 3 | Mar-07 | ML070730449 |
| 2.4.14 | Technical Specifications and Emergency Operation Requirements | DSEA | RHM1, RHM2 | | | | | | | Rev. 3 | Mar-07 | ML070730455 |
| 2.5.1 | Geologic and Seismic Information | DSEA | RGS | | | | DSEA | RENV | RENV bases ESRP Section 2.6 on similar information. This ensures consistency between the SER and the EIS. | Rev. 5 | Jul-14 | ML13316C067 |
| 2.5.2 | Vibratory Ground Motion | DSEA | RGS | | | | | | | Rev. 5 | Jul-14 | ML13316C066 |
| 2.5.3 | Surface Faulting | DSEA | RGS | | | | | | | Rev. 5 | Jul-14 | ML13316C064 |

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| 2.5.4 | Stability of Subsurface Materials and Foundations | DSEA | RGS | | | | DSEA, DEIA | RHM1 and 2, SEB | For hydrologist, review groundwater condition; For structural engineer, review bearing capacity, settlement, lateral earth pressure, and liquefaction potential that could have impact on structural analyses. SEB performs the structural review. | Rev. 5 | Jul-14 | ML13311B744 |
| 2.5.5 | Stability of Slopes | DSEA | RGS | | | | DEIA | SEB | For structural engineer, review slope stability issues that may impact structures. | Rev. 5 | Jul-14 | ML13316C068 |
| 3.2.1 | Seismic Classification | DEIA | MEB | DCIP, DSEA | MVIB, RPAC | | DSEA | RPAC | Seismic Classifications are used for evaluations of systems and components for RG 1.143. | Rev 3 | Aug-16 | ML16084A812 |
| 3.2.2 | System Quality Group Classification | DEIA | MEB | DCIP | MVIB | | DSEA | RPAC | Seismic Classifications are used for evaluations of systems and components for RG 1.143. | Rev 3 | Aug-16 | ML16084A884 |
| 3.3.1 | Wind Loads | DEIA | SEB | | | | DSEA | RMOT | RMOT provides input to the design wind speed used in this SRP section | Rev. 3 | Mar-07 | ML070570001 |
| 3.3.2 | Tornado Loadings | DEIA | SEB | | | | DSEA | RMOT | RMOT provides input to the design basis tornado used in this SRP section | Rev. 3 | Mar-07 | ML070570002 |
| 3.4.1 | Internal Flood Protection for Onsite Equipment Failure | DSRA | SPSB | DSEA | RHM1, RHM2 | | | | | Rev. 3 | Mar-07 | ML070550043 |
| 3.4.2 | Analysis Procedures | DEIA | SEB | | | | | | | Rev. 3 | Mar-07 | ML070570003 |
| 3.5.1.1 | Internally Generated Missiles (Outside Containment) | DSRA | SPSB | | | | | | | Rev. 3 | Mar-07 | ML070370569 |
| 3.5.1.2 | Internally Generated Missiles (Inside Containment) | DSRA | SPSB | | | | | | | Rev. 3 | Mar-07 | ML070380167 |
| 3.5.1.3 | Turbine Missiles | DEIA | MCB | DEIA | SEB | SEB is the end user of the missile information in the structural design and the scope includes the impact on structures. | | | | Rev. 3 | Mar-07 | ML063600395 |
| 3.5.1.4 | Missiles Generated by Extreme Winds | DSRA | SPSB | | | | DSEA | RMOT | RMOT coordinates the review of the design-basis extreme wind parameters used in this SRP section | Rev. 4 | Mar-15 | ML14190A180 |

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| 3.5.1.5 | Site Proximity Missiles (Except Aircraft) | DSEA | RPAC | DSRA | SPSB | structural review | | | | Rev. 4 | Mar-07 | ML070510635 |
| 3.5.1.6 | Aircraft Hazards | DSEA | RPAC | DSRA | SPSB | | DSRA | SPRA | PRA review | Rev. 4 | Mar-10 | ML100331298 |
| 3.5.2 | Structures, Systems, and Components To Be Protected From Externally Generated Missiles | DSRA | SPSB | | | | | | | Rev. 3 | Mar-07 | ML070460362 |
| 3.5.3 | Barrier Design Procedures | DEIA | SEB | | | | | | | Rev. 3 | Mar-07 | ML070570004 |
| 3.6.1 | Plant Design for Protection Against Postulated Piping Failures in Fluid Systems Outside Containment | DSRA | SPSB | | | | | | | Rev. 3 | Mar-07 | ML070550032 |
| 3.6.2 | Determination of Rupture Locations and Dynamic Effects Associated with the Postulated Rupture of Piping | DEIA | MEB | | | | | | | Rev. 3 | Dec-16 | ML14230A035 |
| 3.6.3 | Leak-Before-Break Evaluation Procedures | DEIA | MCB | DSRA | SBSB | SPSB supports MEB, when requested, by reviewing leak detection systems | | | | Rev. 1 | Mar-07 | ML063600396 |
| 3.7.1 | Seismic Design Parameters | DEIA | SEB | DSEA | RGS | | | | | Rev. 4 | Dec-14 | ML14198A460 |
| 3.7.2 | Seismic System Analysis | DEIA | SEB | | | | | | | Rev. 4 | Sep-13 | ML13198A223 |
| 3.7.3 | Seismic Subsystem Analysis Review Responsibilities | DEIA | SEB | | | | | | | Rev. 4 | Sep-13 | ML13198A239 |
| 3.7.4 | Seismic Instrumentation | DSEA | RGS | DSEA | RPAC | | | | | Rev. 3 | Jul-14 | ML13324A570 |
| 3.8.1 | Concrete Containment | DEIA | SEB | | | | DSEA | RMOT | RMOT provides input to the severe and extreme environmental conditions used in this SRP section | Rev. 4 | Sep-13 | ML13198A245 |
| 3.8.2 | Steel Containment | DEIA | SEB | | | | DSEA | RMOT | RMOT provides input to the severe and extreme environmental conditions used in this SRP section | Rev. 3 | May-10 | ML100630179 |
| 3.8.3 | Concrete and Steel Internal Structures of Steel or Concrete Containments | DEIA | SEB | DSEA | RPAC | Organization responsible for the review of Radiation Protection. These reviews are used to assess the adequacy of the shielding design, consistent with 10 CFR 50.34(b)(3), 10 CFR 50.49, 10 CFR 50.34(f)(2)(vii) and GDC 61. | | | | Rev. 4 | Sep-13 | ML13198A250 |

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| 3.8.4 | Other Seismic Category I Structures | DEIA | SEB | DSEA | RPAC | RPAC - Organization responsible for the review of Radiation Protection. These reviews are used to assess the adequacy of the shielding design, consistent with 10 CFR 50.34(b)(3), 10 CFR 50.49, 10 CFR 50.34(f)(2)(vii) and GDC 61. Organization responsible for the review of Radioactive Waste Management. Organization responsible for the review of Radiation Protection. These reviews are used to assess the adequacy of the design, consistent with the guidance of RG 1.143, for the protection of members of the public and occupational workers from the effects of damage to SSCs containing radioactive material. | DSEA | RMOT | RMOT provides input to the severe and extreme environmental conditions used in this SRP section. These reviews are used to assess the adequacy of the design, consistent with the guidance of RG 1.143, for the protection of members of the public and occupational workers from the effects of damage to SSCs containing radioactive materials. | Rev. 4 | Sep-13 | ML13198A258 |
| 3.8.5 | Foundations | DEIA | SEB | | | | | | | Rev. 4 | Sep-13 | ML13198A267 |
| 3.9.1 | Special Topics for Mechanical Components | DEIA | MEB | | | | | | | Rev. 4 | Dec-16 | ML16088A068 |
| 3.9.2 | Dynamic Testing and Analysis of Systems, Components, and Equipment | DEIA | MEB | | | | | | | Rev.3 | Mar-07 | ML070230008 |
| 3.9.3 | ASME Code Class 1, 2, and 3 Components, Component Supports, and Core Support Structures | DEIA | MEB | | | | | | | Rev. 3 | Apr-14 | ML14043A231 |
| 3.9.4 | Control Rod Drive Systems | DEIA | MEB | | | | | | | Rev.3 | Mar-07 | ML063190004 |
| 3.9.5 | Reactor Pressure Vessel Internals | DEIA | MEB | | | | | | | Rev.3 | Mar-07 | ML070230009 |
| 3.9.6 | Functional Design, Qualification, and Inservice Testing Programs for Pumps, Valves, and Dynamic Restraints | DEIA | MEB | | | | | | | Rev.3 | Mar-07 | ML070720041 |
| 3.9.7 | Risk-Informed Inservice Testing | DEIA | MEB | DSRA | SPRA | SPRA reviews the PRA technical adequacy for the risk informed application and provides SE input. | | | | Rev. 0 | Aug-98 | ML042880272 |
| 3.9.8 | Risk-Informed Inservice Inspection of Piping | DEIA | MCB | DSRA | SPRA | SPRA reviews the PRA technical adequacy for the risk informed application and provides SE input. | | | | Rev. 0 | Sep-03 | ML032510135 |

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| 3.10 | Seismic and Dynamic Qualification of Mechanical and Electrical Equipment | DEIA | MEB | DEIA | EEB | | | | | Rev. 4 | Dec-16 | ML16088A101 |
| 3.11 | Environmental Qualification of Mechanical and Electrical Equipment | DEIA | ICE | DEIA, DSEA | MEB, ICE, RPAC | <p>RPAC - Organization responsible for the review of Radiation Protection. 10 CFR 50.49 explicitly identifies Radiation as one of the environmental conditions to be considered, section (e)(4) Radiation. The radiation environment must be based on the type of radiation, the total dose expected during normal operation over the installed life of the equipment, and the radiation environment associated with the most severe design basis accident during or following which the equipment is required to remain functional, including the radiation resulting from recirculating fluids for equipment located near the recirculating lines and including dose rate effects. The current SRP already discusses the need to evaluate the effects of different types of radiation on the qualification of equipment. This falls in the purview of DSEA/RPAC. For the organization responsible for the review of design basis accident radiological consequence analyses the information evaluated under the SRP 15.0.3 review of DBA dose analyses, in particular the LOCA releases, are used as input to the EQ assessment evaluated in this SRP section. The information should be coordinated between the SRP sections.</p> <p>MEB: branch contributes to the content of the SRP but is not the owner. MEB addresses qualification of mechanical equipment QME 1. ICE is not the lead but the scope of the review includes I&C equipment</p> | | | | Rev. 3 | Mar-07 | ML063600397 |
| 3.12 | ASME Code Class 1, 2, and 3 Piping Systems and Associated Supports Design [new] | DEIA | MEB | | | | | | | Rev. 1 | Apr-14 | ML14042A513 |
| 3.13 | Threaded Fasteners - ASME Code Class 1, 2, and 3 | DEIA | MCB | | | | | | | Rev. 0 | Mar-07 | ML070550058 |
| BTP 3-1 | Classification of Main Steam Components Other than the Reactor Coolant Pressure Boundary for BWR Plants | DEIA | MEB | | | | | | | Rev. 2 | Mar-07 | ML070800127 |
| BTP 3-2 | Classification of BWR/6 Main Steam and Feedwater Components Other than the Reactor Coolant Pressure Boundary | DEIA | MEB | | | | | | | Rev. 2 | Mar-07 | ML070800194 |
| BTP 3-3 | Protection Against Postulated Piping Failures In Fluid Systems Outside Containment | DSRA | SPSB | | | | | | | Rev. 3 | Mar-07 | ML070800027 |

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| BTP 3-4 | Postulated Rupture Locations in Fluid System Piping Inside and Outside Containment | DEIA | MEB | | | | | | | Rev. 3 | Dec-16 | ML16085A315 |
| 4.2 | Fuel System Design | DSRA | SRSB | | | | DSEA | RPAC | Information on fuel design listed in the related section of the DCD or FSAR is used in the development of the core fission product inventory which is reviewed under SRP 15.0.3. Postulated fuel failures reviewed under this SRP section are used as input to the DBA dose analyses reviewed under SRP 15.0.3. Radiation Protection reviews this section to identify the kinds and quantities of radioactive material, that may result from fuel or neutron activated components located in or near the reactor core, and the means for controlling and limiting radiation exposures, in accordance with 10 CFR 52.47(a)(5). | Rev. 3 | Mar-07 | ML070740002 |
| 4.3 | Nuclear Design | DSRA | SRSB | | | | | | | Rev. 3 | Mar-07 | ML070740003 |
| 4.4 | Thermal and Hydraulic Design | DSRA | SRSB | | | | | | | Rev. 2 | Mar-07 | ML070550060 |
| 4.5.1 | Control Rod Drive Structural Materials | DEIA | MCB | | | | DSEA | RPAC | Radiation Protection reviews this section to identify the kinds and quantities of radioactive material, that may result from fuel or neutron activated components located in or near the reactor core, and the means for controlling and limiting radiation exposures, in accordance with 10 CFR 52.47(a)(5). | Rev. 3 | Mar-07 | ML070230007 |

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| 4.5.2 | Reactor Internal and Core Support Structure Materials | DEIA | MCB | | | | DSEA | RPAC | Radiation Protection reviews this section to identify the kinds and quantities of radioactive material, that may result from fuel or neutron activated components located in or near the reactor core, and the means for controlling and limiting radiation exposures, in accordance with 10 CFR 52.47(a)(5). | Rev. 3 | Mar-07 | ML063190005 |
| 4.6 | Functional Design of Control Rod Drive System | DSRA | SRSB | | | | | | | Rev. 2 | Mar-07 | ML070540139 |
| BTP 4.1 | Westinghouse Constant Axial Offset Control (CAOC) | DSRA | SRSB | | | | | | | Rev. 3 | Mar-07 | ML070790015 |
| 5.2.1.1 | Compliance With American Society of Mechanical Engineers Code Requirements in the Codes and Standards Rule, 10 CFR 50.55a | DEIA | MEB | DEIA | MCB | MCB shares responsibility with MEB regarding application of ASME Code requirements | | | | Rev. 4 | Dec-16 | ML14227A623 |
| 5.2.1.2 | Applicable Code Cases | DEIA | MEB | DEIA | MCB | MCB shares responsibility with MEB regarding application of ASME Code requirements | | | | Rev. 4 | Dec-16 | ML16088A219 |
| 5.2.2 | Overpressure Protection | DSRA | SRSB | | | | | | | Rev. 3 | Mar-07 | ML070540076 |
| 5.2.3 | Reactor Coolant Pressure Boundary Materials | DEIA | MCB | | | | DSEA | RPAC | Radiation Protection reviews this section to identify the kinds and quantities of radioactive material, that may result from neutron activation of corrosion and wear products, and the means for controlling and limiting radiation exposures, in accordance with 10 CFR 52.47(a)(5). | Rev. 3 | Mar-07 | ML063190006 |
| 5.2.4 | Reactor Coolant Pressure Boundary Inservice Inspection and Testing | DEIA | MCB | | | | | | | Rev. 2 | Mar-07 | ML070550066 |

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| 5.2.5 | Reactor Coolant Pressure Boundary Leakage Detection | DSRA | SPSB | | | | DSEA | RPAC | Radiation Protection reviews this section to identify the type and capability of radiation monitoring equipment provided for RCS leakage detection, in accordance with GDC 14 and 10 CFR 55a. RPAC: RPAC is end user of RCPB leakage detection information in SRP 11.2, 11.3, and 11.5. | Rev. 2 | Mar-07 | ML070610277 |
| 5.3.1 | Reactor Vessel Materials | DEIA | MCB | | | | DSEA | RPAC | Radiation Protection reviews this section to identify the kinds and quantities of radioactive material, that may result from neutron activation of corrosion and wear products, and the means for controlling and limiting radiation exposures, in accordance with 10 CFR 52.47(a)(5). | Rev. 2 | Mar-07 | ML063190007 |
| 5.3.2 | Pressure-Temperature Limits, Upper-shelf Energy, and Pressurized Thermal Shock | DEIA | MCB | | | | | | | Rev. 2 | Mar-07 | ML070380185 |
| 5.3.3 | Reactor Vessel Integrity | DEIA | MCB | | | | | | | Rev. 2 | Mar-07 | ML063190008 |
| 5.4 | Reactor Coolant Systems Components and Subsystem Design | DSRA | SRSB | Multiple as defined in the SRP | | | DSEA | RPAC | Radiation Protection reviews this section to identify the kinds and quantities of radioactive fission, activation and corrosion products contained in the tanks, heat exchangers and related components which interface with the RCS, and the means for controlling and limiting radiation exposures, in accordance with 10 CFR 52.47(a)(5). | Rev. 2 | Mar-07 | ML070610167 |
| 5.4.1.1 | Pump Flywheel Integrity (PWR) | DEIA | MCB | | | | | | | Rev. 3 | May-10 | ML100680157 |

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| 5.4.2.1 | Steam Generator Materials | DEIA | MCB | | | | DSEA | RPAC | Radiation Protection reviews this section to identify the kinds and quantities of radioactive material, that may result from neutron activation of corrosion and wear products, and the means for controlling and limiting radiation exposures, in accordance with 10 CFR 52.47(a)(5). | Rev. 4 | Jul-16 | ML16147A289 |
| 5.4.2.2 | Steam Generator Program | DEIA | MCB | | | | DSEA | RPAC | Radiation Protection reviews this section to identify radiation protection elements, such as radiation monitoring equipment described in Chapter 12 that is used to detect primary to secondary leakage, of NEI 97-06 and the required EPRI implementing documents, consistent with the Steam Generator Program described in Technical Specifications. | Rev. 2 | Mar-07 | ML070380194 |
| 5.4.6 | Reactor Core Isolation Cooling System (BWR) | DSRA | SRSB | | | | DSEA | RPAC | RPAC is end user of reactor core isolation cooling system (BWR) in SRP 11.2, 11.3, and 11.5. | Rev. 4 | Mar-07 | ML070540102 |
| 5.4.7 | Residual Heat Removal (RHR) System | DSRA | SRSB | | | | DSEA | RPAC | Radiation Protection reviews this section to identify the kinds and quantities of radioactive fission, activation and corrosion products contained in the pumps, heat exchangers and related components which interface with the RCS, and the means for controlling and limiting radiation exposures, in accordance with 10 CFR 52.47(a)(5). | Rev. 5 | May-10 | ML100680577 |

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| 5.4.8 | Reactor Water Cleanup System (BWR) | DEIA | MCB | | | | DSEA | RPAC | Radiation Protection reviews this section to identify the kinds and quantities of radioactive fission, activation and corrosion products contained in the pumps, heat exchangers and related components which interface with the RCS, and the means for controlling and limiting radiation exposures, in accordance with 10 CFR 52.47(a)(5). RPAC is end user of reactor cleanup water system (BWR) information in SRP 11.2, 11.3, and 11.5. | Rev. 3 | Mar-07 | ML063190009 |
| 5.4.11 | Pressurizer Relief Tank | DSRA | SRSB | | | | DSEA | RPAC | Radiation Protection reviews this section to identify the kinds and quantities of radioactive fission, activation and corrosion products contained in the tanks and related components which interface with the RCS, and the means for controlling and limiting radiation exposures, in accordance with 10 CFR 52.47(a)(5). | Rev. 4 | May-10 | ML100700178 |
| 5.4.12 | Reactor Coolant System High Point Vents | DSRA | SRSB | | | | | | | Rev. 1 | Mar-07 | ML070770005 |

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| 5.4.13 | Isolation Condenser System (BWR) | DSRA | SRSB | | | | DSEA | RPAC | Radiation Protection reviews this section to identify the kinds and quantities of radioactive fission, activation RPAC is end user of isolation condenser system (BWR) information in SRP 11.2, 11.3, and 11.5. and corrosion products contained in the tanks, heat exchangers and related components which interface with the RCS, and the means for controlling and limiting radiation exposures, in accordance with 10 CFR 52.47(a)(5). 10 CFR 20.1406, as it relates to minimizing contamination of the facility and the environment, resulting from the operation of the system. RPAC is end user of isolation condenser system (BWR) information in SRP 11.2, 11.3, and 11.5. | Rev. 0 | Mar-07 | ML070810517 |
| BTP 5-1 | Monitoring of Secondary Side Water Chemistry in PWR Steam Generators | DEIA | MCB | | | | DSEA | RPAC | RPAC is end user of monitoring of secondary side water chemistry in PWR steam generators information as it relates to sensitivity of installed radioactivity detectors in SRP 11.2, 11.3, and 11.5. | Rev. 3 | Mar-07 | ML070850019 |
| BTP 5-2 | Overpressure Protection of Pressurized-Water Reactors While Operating at Low Temperatures | DSRA | SRSB | | | | | | | Rev. 3 | Mar-07 | ML070850008 |
| BTP 5-3 | Fracture Toughness Requirements | DEIA | MCB | | | | | | | Rev. 2 | Mar-07 | ML070850035 |
| BTP 5-4 | Design Requirements of the Residual Heat Removal System | DSRA | SRSB | | | | | | | Rev. 4 | Mar-07 | ML070850123 |

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| 6.1.1 | Engineered Safety Features Materials | DEIA | MCB | | | | DSEA | RPAC | Radiation Protection reviews this section to identify the kinds and quantities of radioactive material, that may result from neutron activation of corrosion and wear products, and the means for controlling and limiting radiation exposures, in accordance with 10 CFR 52.47(a)(5). | Rev. 2 | Mar-07 | ML063190010 |
| 6.1.2 | Protective Coating Systems (Paints) □ Organic Materials | DEIA | MCB | | | | DSEA | RPAC | RPAC is end user of epoxy coating information in SRP 11.2 and 11.4. | Rev. 3 | Mar-07 | ML063600399 |
| 6.2.1 | Containment Functional Design | DSRA | SCVB | | | | DSEA | RPAC | Radiation Protection reviews this section to identify the design features provided to minimize ORE due to operation, inspection and maintenance of containment SSCs, consistent with 10 CFR 20.1101. | Rev. 3 | Mar-07 | ML070220505 |
| 6.2.1.1.A | PWR Dry Containments, Including Subatmospheric Containments | DSRA | SCVB | | | | | | | Rev. 3 | Mar-15 | ML063600402 |
| 6.2.1.1.B | Ice Condenser Containments | DSRA | SCVB | | | | | | | draft Rev 3 | Jun-96 | ML052070482 |
| 6.2.1.1.C | Pressure-Suppression Type BWR Containments | DSRA | SCVB | | | | | | | Rev. 7 | Mar-15 | ML063600403. |
| 6.2.1.2 | Subcompartment Analysis | DSRA | SCVB | | | | | | | Rev. 3 | Mar-07 | ML070620009 |
| 6.2.1.3 | Mass and Energy Release Analysis for Postulated Loss of Coolant Accidents | DSRA | SCVB | | | | | | | Rev. 3 | Mar-07 | ML053560191 |
| 6.2.1.4 | Mass and Energy Release Analysis for Postulated Secondary System Pipe Ruptures | DSRA | SCVB | | | | | | | Rev. 2 | Mar-07 | ML070620010. |
| 6.2.1.5 | Minimum Containment Pressure Analysis for Emergency Core Cooling System Performance Capability Studies | DSRA | SCVB | | | | | | | Rev. 3 | Mar-07 | ML063600405. |

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| 6.2.2 | Containment Heat Removal Systems | DSRA | SCVB | DEIA | MCBMEB | MCB provides support regarding water chemistry/chemical engineering and containment coatings aspects. MEB reviews strainers, pipe break assumption for GSI-191. | DSEA | RPAC | Radiation Protection reviews this section to identify the design features provided to minimize occupational radiation exposure (ORE) due to operation, inspection and maintenance of SSCs, consistent with 10 CFR 20.1101 | Rev. 5 | Mar-07 | ML070160661 |
| 6.2.3 | Secondary Containment Functional Design | DSRA | SCVB | | | | | | | Rev. 3 | Mar-07 | ML063600406 |
| 6.2.4 | Containment Isolation System | DSRA | SCVB | | | | DSEA | RPAC | RPAC is end user of containment isolation system information as it relates to containment purging/venting design features minimizing purging time consistent with ALARA for occupational exposure, and review of the radiological dose consequence analysis for the release of containment atmosphere prior to closure of containment isolation valves in lines providing a direct path to the environs. | Rev. 3 | Mar-07 | ML070380197 |
| 6.2.5 | Combustible Gas Control in Containment | DSRA | SCVB | | | | | | | Rev. 3 | Mar-07 | ML070620006 |
| 6.2.6 | Containment Leakage Testing | DSRA | SCVB | | | | | | | Rev. 3 | Mar-07 | ML070620007 |
| 6.2.7 | Fracture Prevention of Containment Pressure Boundary | DEIA | MCB | | | | | | | Rev. 1 | Mar-07 | ML063600407 |
| 6.3 | Emergency Core Cooling System | DSRA | SRSB | misc. as stated in SRP | | | | | | Rev. 3 | Mar-07 | ML070550068 |
| 6.4 | Control Room Habitability System | DSRA | SCVB | DSEA, DEIA | RPAC, MCB | RPAC reviews Control Room radiological habitability. | DSEA | RMOT | RMOT provides the atmospheric dispersion factors used in this SRP section. | Rev. 3 | Mar-07 | ML070550069 |

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| 6.5.1 | ESF Atmosphere Cleanup Systems | DSRA | SCVB | DSEA | RPAC | | DSEA | RPAC | Radiation Protection reviews this section to identify the kinds and quantities of radioactive fission, activation and corrosion products contained in the filters and related components which may collect radioactive material, and the means for controlling and limiting radiation exposures, in accordance with 10 CFR 52.47(a)(5). | Rev. 4 | May-10 | ML100700256 |
| 6.5.2 | Containment Spray as a Fission Product Cleanup System | DEIA | MCB | DSEA, DSRA | RPAC, SCVB | SCVB reviews and provides inputs to the staff SE on sections relating to the system operation design features, and performance with respect to spray distribution, droplet size and containment mixing. RPAC provides input on the review of the fission product removal capability of these systems and the effect on the DBA dose analyses. | | | | Rev. 4 | Mar-07 | ML070190178 |
| 6.5.3 | Fission Product Control Systems and Structures | DSRA | SCVB | DSEA | RPAC | RPAC as the organization responsible for review of design basis accident radiological consequences provides input on the review of the fission product removal capability of these systems and the effect on the DBA dose analyses. | | | | Rev. 3 | Mar-07 | ML063600408 |
| 6.5.4 | Ice Condenser as a Fission Product Cleanup System | DSEA | RPAC | | | | DSEA | RPAC | Radiation Protection reviews this section to identify the kinds and quantities of radioactive material, that may accumulate on the SSC, and the means for controlling and limiting radiation exposures, in accordance with 10 CFR 52.47(a)(5), 10 CFR 50.34(f)(xxviii) GDC 19, and 10 CFR 20.1101 | Draft Rev 4 | Apr-96 | ML052070476 |

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| 6.5.5 | Pressure Suppression Pool as a Fission Product Cleanup System | DSEA | RPAC | DSRA, DEIA | SCVB, MCB | SCVB reviews and provides inputs to the staff SE on sections relating to system operation, design features and performance related to containment integrity and containment atmosphere decontamination functions. MCB provides support regarding water chemistry/chemical engineering aspects | DSEA | RPAC | Radiation Protection reviews this section to identify the kinds and quantities of radioactive material, that may accumulate on the SSC, and the means for controlling and limiting radiation exposures, in accordance with 10 CFR 52.47(a)(5), 10 CFR 50.34(f)(xxviii) GDC 19, and 10 CFR 20.1101 | Rev. 1 | Mar-07 | ML063600409 |
| 6.6 | Inservice Inspection of Class 2 and 3 Components | DEIA | MCB | | | | | | | Rev. 2 | Mar-07 | ML070550071 |
| 6.7 | Main Steam Isolation Valve Leakage Control System (BWR) | DSRA | SPSB | | | | | | | draft Rev 3 | Apr-96 | ML052070451 |
| BTP 6-1 | pH for Emergency Coolant Water for Pressurized Water Reactors | DEIA | MCB | | | | | | | Rev. 3 | Mar-07 | ML063190011 |
| BTP 6-2 | Minimum Containment Pressure Model for PWR ECCS Performance Evaluation | DSRA | SCVB | | | | | | | Rev. 3 | Mar-07 | ML070740442 |
| BTP 6-3 | Determination of Bypass Leakage Paths in Dual Containment Plants | DSRA | SCVB | DSEA | RPAC | RPAC as the organization responsible for review of design basis accident radiological consequence analyses is confirmed to have secondary review responsibility. RPAC is not a secondary review branch for the SER. The results of the review under this SRP section are used as inputs to the SRP 15.0.3 review of DBA dose analyses. | | | | Rev. 3 | Mar-07 | ML070740004 |

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| BTP 6-4 | Containment Purging During Normal Plant Operations | DSRA | SCVB | | | | DSEA | RPAC | Radiation Protection reviews this section to identify the kinds and quantities of radioactive material, that may accumulate on the SSC, and the means for controlling and limiting radiation exposures, in accordance with 10 CFR 52.47(a)(5), 10 CFR 50.34(f)(xxviii) GDC 19, and 10 CFR 20.1101. Also, how the design and operation parameter of the ventilation system effects airborne radioactivity concentrations, consistent with 10 CFR 20 Subpart H. | Rev. 3 | Mar-07 | ML070740319 |
| BTP 6-5 | Currently the Responsibility of Reactor Systems Piping from the RWST (or BWST) and Containment Sump(s) to the Safety Injection Pumps | DSRA | SCVB | | | | | | | Rev. 3 | Mar-07 | ML070740429 |
| 7.0 | Instrumentation and Controls - Overview of Review Process | DEIA | ICE | DCIP | HOIB | for inventory of controls and alarms. | DSEA | RPAC | RPAC is end user of instrumentation, components, and controls information in SRP 11.2, 11.3, 11.4, and 11.5. | Rev. 7 | Aug-16 | ML16020A049 |
| Appendix 7.0-A | Review Process for Digital Instrumentation and Control Systems | DEIA | ICE | | | | | | | Rev. 6 | Aug-16 | ML16019A085 |
| 7.1 | Instrumentation and Controls - Introduction | DEIA | ICE | | | | DSEA | RPAC | Radiation Protection reviews this section to identify the instrumentation and controls associated with radiation monitoring equipment, and radiation protection controls described in Chapter 12, in accordance with 10 CFR 20 and 10 CFR 50.34. The staff reviews design features provided to minimize occupational radiation exposure resulting from maintenance and calibration, consistent with 10 CFR 20.1101. | Rev. 6 | Aug-16 | ML16020A050 |

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| Appendix 7.1-A | Acceptance Criteria and Guidelines for Instrumentation and Control Systems Important to Safety | DEIA | ICE | | | | | | | Rev. 6 | Aug-16 | ML16019A058 |
| Appendix 7.1-B | Guidance for Evaluation of Conformance to IEEE Std. 279 | DEIA | ICE | | | | | | | Rev. 6 | Aug-16 | ML16019A091 |
| Appendix 7.1-C | Guidance for Evaluation of Conformance to IEEE Std. 603 | DEIA | ICE | | | | | | | Rev. 6 | Aug-16 | ML16019A107 |
| Appendix 7.1-D | Guidance for Evaluation of the Application of IEEE Std. 7-4.3.2 | DEIA | ICE | | | | | | | Rev. 1 | Aug-16 | ML16019A114 |
| Table 7.1 | Regulatory Requirements, Acceptance Criteria, and Guidelines For Instrumentation and Control Systems Important to Safety | DEIA | ICE | | | | | | | Rev. 6 | Aug-16 | ML16020A103 |
| 7.2 | Reactor Trip System | DEIA | ICE | | | | | | | Rev. 6 | Aug-16 | ML16020A059 |
| 7.3 | Engineered Safety Features Systems | DEIA | ICE | | | | DSEA | RPAC | Radiation Protection reviews this section to identify the instrumentation and controls associated with radiation monitoring equipment, and radiation protection controls described in Chapter 12, in accordance with 10 CFR 20 and 10 CFR 50.34. The staff reviews design features provided to minimize occupational radiation exposure resulting from maintenance and calibration, consistent with 10 CFR 20.1101. | Rev. 6 | Aug-16 | ML16020A082 |
| 7.4 | Safe Shutdown Systems | DEIA | ICE | | | | DSEA | RPAC | Radiation Protection reviews this section to ensure that areas identified as needed to ensure safe shut down of the plant, are accessible during the anticipated conditions, consistent with 10 CFR 50.34 and 10 CFR 20. | Rev. 6 | Aug-16 | ML16020A086 |

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| 7.5 | Information Systems Important to Safety | DEIA | ICE | | | | DSEA | RPAC, RMOT | RPAC is end user of information systems important to safety in SRP 11.2, 11.3, 11.4, and 11.5. The meteorological monitoring program provides input to the Type E accident monitoring instrumentation. | Rev. 6 | Aug-16 | ML16020A088 |
| 7.6 | Interlock Systems Important to Safety | DEIA | ICE | | | | | | | Rev. 6 | Aug-16 | ML16020A092 |
| 7.7 | Control Systems | DEIA | ICE | DSRA | SRSB | SRSB reviews portions related to the protection system | DSEA | RPAC | Radiation Protection reviews this section to identify the instrumentation and controls associated with radiation monitoring equipment, and radiation protection controls described in Chapter 12, in accordance with 10 CFR 20 and 10 CFR 50.34. The staff reviews design features provided to minimize occupational radiation exposure resulting from maintenance and calibration, consistent with 10 CFR 20.1101. | Rev. 6 | Aug-16 | ML16020A095 |
| 7.8 | Diverse Instrumentation and Control Systems | DEIA | ICE | DSRA, DCIP | SRSB, HOIB | SRSB reviews portions related to the protection system. HOIB - As required in NUREG-0711, "Important Human Actions," Human Factors Engineering reviews the manual actions associated with the Diverse Actuation System. Historically, this review has been documented in Section 7.8. | | | | Rev. 6 | Aug-16 | ML16020A096 |
| 7.9 | Data Communication Systems | DEIA | ICE | | | | | | | Rev. 6 | Aug-16 | ML16020A097 |
| Appendix 7 A | General Agenda, Station Site visits | DEIA | ICE | | | | | | | Rev. 5 | Mar-07 | ML070660412 |
| Appendix 7 B | Acronyms, Abbreviations, and Glossary | DEIA | ICE | | | | | | | Rev. 4 | Jun-97 | ML070660430 |
| BTP 7-1 | Guidance on Isolation of Low-Pressure Systems from the High-Pressure Reactor Coolant System | DEIA | ICE | | | | | | | Rev. 6 | Aug-16 | ML16019A127 |

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| BTP 7-2 | Guidance on Requirements of Motor-Operated Valves in the Emergency Core Cooling System Accumulator Lines | DEIA | ICE | | | | | | | Rev. 6 | Aug-16 | ML16019A299 |
| BTP 7-3 | Guidance on Protection System Trip Point Changes for Operation with Reactor Coolant Pumps out of Service | DEIA | ICE | | | | | | | Rev. 6 | Aug-16 | ML16019A358 |
| BTP 7-4 | Guidance on Design Criteria for Auxiliary Feedwater Systems | DEIA | ICE | | | | | | | Rev. 6 | Aug-16 | ML16020A028 |
| BTP 7-5 | Guidance on Spurious Withdrawals of Single Control Rods in Pressurized Water Reactors | DEIA | ICE | | | | | | | Rev. 6 | Aug-16 | ML16020A033 |
| BTP 7-6 | Guidance on Design of Instrumentation and Controls Provided to Accomplish Changeover from Injection to Recirculation Mode | DEIA | ICE | | | | | | | Rev. 6 | Aug-16 | ML16011A106 |
| BTP 7-8 | Guidance for Application of Regulatory Guide 1.22 | DEIA | ICE | | | | | | | Rev. 6 | Aug-16 | ML16020A044 |
| BTP 7-9 | Guidance on Requirements for Reactor Protection System Anticipatory Trips | DEIA | ICE | | | | | | | Rev. 6 | Aug-16 | ML16011A062 |

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| BTP 7-10 | Guidance on Application of Regulatory Guide 1.97 | DEIA | ICE | | | | DSEA | RPAC | Radiation Protection reviews this section to identify the instrumentation and controls associated with radiation monitoring equipment provided for post accident conditions are appropriately identified and characterized consistent with 10 CFR 50.34 and NUREG-0737. RPAC is end user on the performance, design, qualification, display, QA, and selection of monitoring variables of radiation monitoring equipment required for accident monitoring and sampling in SRP 11.2 | Rev. 6 | Aug-16 | ML16019A169 |
| BTP 7-11 | Guidance on Application and Qualification of Isolation Devices | DEIA | ICE | | | | | | | Rev. 6 | Aug-16 | ML16019A184 |
| BTP 7-12 | Guidance on Establishing and Maintaining Instrument Setpoints | DEIA | ICE | | | | DSEA | RPAC | RPAC is end user for any portion of the LWMS post-accident subsystems that supports safety-related functions in SRP 11.2 | Rev. 6 | Aug-16 | ML16019A200 |
| BTP 7-13 | Guidance on Cross-Calibration of Protection System Resistance Temperature Detectors | DEIA | ICE | | | | | | | Rev. 6 | Aug-16 | ML16019A240 |
| BTP 7-14 | Guidance on Software Reviews for Digital Computer-Based Instrumentation and Control Systems | DEIA | ICE | | | | | | | Rev. 6 | Aug-16 | ML16019A308 |
| BTP 7-17 | Guidance on Self-Test and Surveillance Test Provisions | DEIA | ICE | | | | | | | Rev. 6 | Aug-16 | ML16019A316 |
| BTP 7-18 | Guidance on the Use of Programmable Logic Controllers in Digital Computer-Based Instrumentation and Control Systems | DEIA | ICE | | | | | | | Rev. 6 | Aug-16 | ML16019A327 |

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| BTP 7-19 | Guidance for Evaluation of Diversity and Defense-in-Depth and Diversity Computer-Based Instrumentation and Control Systems | DEIA | ICE | DSRA, DCIP | SRSB, HOIB | SRSB reviews portions related to the protection system. HOIB - BTP specifically calls for Human Factors Engineering as the secondary reviewer. | | | | Rev. 7 | Aug-16 | ML16019A344 |
| BTP 7-21 | Guidance on Digital Computer Real-Time Performance | DEIA | ICE | | | | | | | Rev 6 | Aug-16 | ML16020A036 |
| 8.1 | Electric Power / Introduction | NRR/DE | EEEE | | | | | | | Draft Rev 5 | May-14 | ML113640121 |
| 8.2 | Offsite Power System | NRR/DE | EEEE | | | DSEA | RMOT | RMOT provides input to the severe environmental conditions (including salt deposition from cooling tower plumes) used in this SRP section | | Rev. 5 | May-10 | ML100740246 |
| 8.3.1 | A C Power Systems (Onsite) | NRR/DE | EEEE | | | | | | | Rev. 4 | May-10 | ML100740289 |
| 8.3.2 | D C Power Systems (Onsite) | NRR/DE | EEEE | | | | | | | Rev. 4 | May-10 | ML100740391 |
| 8.4 | Station Blackout | NRR/DE | EEEE | | | | | | | Rev. 1 | May-10 | ML100740424 |
| Appendix 8-A | General Agenda, Station Site Visits | NRR/DE | EEEE | | | | | | | Rev. 1 | Mar-07 | ML063600411 |
| BTP 8-1 | Requirements on Motor-operated Valves in the ECCS Accumulator Lines | NRR/DE | EEEE | | | | | | | Rev. 3 | Mar-07 | ML070710423 |
| BTP 8-2 | Use of Diesel-Generator Sets for Peaking | NRR/DE | EEEE | | | | | | | Rev. 3 | Mar-07 | ML070710434 |
| BTP 8-3 | Stability of Offsite Power Systems. | NRR/DE | EEEE | | | | | | | Rev. 3 | Mar-07 | ML070710446 |
| BTP 8-4 | Application of the Single Failure Criterion to Manually Controlled Electrically Operated Valves | NRR/DE | EEEE | | | | | | | Rev. 3 | Mar-07 | ML070710452 |
| BTP 8-5 | Supplemental Guidance for Bypass and Inoperable Status Indication for Engineered Safety Features Systems | NRR/DE | EEEE | | | | | | | Rev. 3 | Mar-07 | ML070710466 |
| BTP 8-6 | Adequacy of Station Electric Distribution System Voltages | NRR/DE | EEEE | | | | | | | Rev. 3 | Mar-07 | ML070710478 |

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| BTP 8-7 | Criteria for Alarms and Indications Associated with Diesel-Generator Unit Bypassed and Inoperable Status | NRR/DE | EEEB | | | | | | | Rev. 3 | Mar-07 | ML070710497 |
| BTP 8-8 | Onsite (Emergency Diesel Generators) and Offsite Power Sources Allowed Outage Time Extensions. | NRR/DE | EEEB | | | | | | | Rev. 0 | Feb-12 | ML113640138 |
| BTP 8-9 | Open Phase Conditions In Electric Power System | NRR/DE | EEEB | | | | | | | Rev. 0 | Jul-15 | ML15057A085 |
| 9.1.1 | Criticality Safety of Fresh and Spent Fuel Storage and Handling | DSRA | SRSB | DEIA | MCB | MCB provides support regarding neutron absorber selection, monitoring, etc. | DSEA | RPAC | Radiation Protection reviews the kinds and quantities of radioactive material, and the means for controlling and limiting radiation exposures, consistent with 52.47(a)(5), 10 CFR 52.79(a)(3) and 10 CFR 52.157(e). In addition, RP reviews the type and location of radiation monitoring equipment provided to satisfy 10 CFR 70.24 or 10 CFR 50.68(b)(6) | Rev. 3 | Mar-07 | ML070570006 |
| 9.1.2 | New and Spent Fuel Storage | DSRA | SPSB | DEIA | MCB, SEB, | The scope includes the assessment of structures which is addressed by SEB . MCB provides support regarding neutron absorber selection, monitoring, etc. | DSEA | RPAC | Radiation Protection reviews the kinds and quantities of radioactive material, and the means for controlling and limiting radiation exposures, consistent with 52.47(a)(5), 10 CFR 52.79(a)(3) and 10 CFR 52.157(e). In addition, RP reviews the type and location of radiation monitoring equipment provided to satisfy 10 CFR 70.24 or 10 CFR 50.68(b)(6) | Rev. 4 | Mar-07 | ML070550057 |

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| 9.1.3 | Spent Fuel Pool Cooling and Cleanup System | DSRA | SPSB | DEIA | MCB | MCB provides support regarding water chemistry/chemical engineering aspects | DSEA | RPAC | Radiation Protection reviews this section to identify the kinds and quantities of radioactive fission, activation and corrosion products contained in the tanks, heat exchangers, filters, demineralizers, pool water and related components which interface with the RCS, and the means for controlling and limiting radiation exposures, in accordance with 10 CFR 52.47(a)(5). 10 CFR 20.1406, as it relates to minimizing contamination of the facility and the environment. RPAC is end user of SFP cooling and cleanup system information in SRP 11.2 and 11.3. | Rev. 2 | Mar-07 | ML063190013 |
| 9.1.4 | Light Load Handling System and Related Cavity Design | DSRA | SPSB | | | | DSEA | RPAC | Radiation Protection reviews the means for controlling and limiting radiation exposures from spent fuel and irradiated components, consistent with 10 CFR 20. | Rev. 4 | Mar-07 | ML13085A145 |
| 9.1.5 | Overhead Heavy Load Handling Systems | DSRA | SPSB | DEIA | SEB | SEB uses the information on heavy load drops in the design and analysis of structures and supports with information on the impact on structures | | | | Rev. 5 | Mar-07 | ML070550056 |
| 9.2.1 | Station Service Water System | DSRA | SPSB | | | | | | | Rev. 4 | Mar-07 | ML070550053 |
| 9.2.2 | Reactor Auxiliary Cooling Water Systems | | | DEIA | MCB | MCB provides support regarding water chemistry/chemical engineering aspects | DSEA | RPAC | Radiation Protection reviews this section to identify the kinds and quantities of radioactive fission, activation and corrosion products contained in the tanks, heat exchangers, and related components which interface or serve as boundaries with the RCS, and the means for controlling and limiting radiation exposures, in accordance with 10 CFR 52.47(a)(5). 10 CFR 20.1406, as it relates to minimizing contamination of the facility and the environment. | Rev. 4 | Mar-07 | ML070550053 |

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| 9.2.4 | Potable and Sanitary Water Systems | DSRA | SPSB | DSEA | RPAC | 10 CFR 20 provides requirements for the control and monitoring of potential exposure from ingestion of radioactive material. 10 CFR 20.1406 describes the requirements for minimizing contamination. RG 4.21, "Minimization of Contamination and Radioactive Waste Generation: Life-Cycle Planning," and IE Bulletin 80-10, "Contamination of Nonradioactive System and Resulting Potential for Unmonitored, Uncontrolled Release of Radioactivity to Environment," provide additional guidance on how to minimize contamination of systems and actions to be taken in the event of system contamination. Radiation Protection personnel have the most knowledge about the industry events that have resulted in inadvertent internal exposures to site personnel from these systems, or inadvertent contamination of these systems. | | | Rev. 3 | Mar-07 | ML070550051 | |
| 9.2.5 | Ultimate Heat Sink | DSRA | SPSB | | | | DSEA | RMOT | RMOT provides input to the adverse environmental conditions used in this SRP section | Rev. 3 | Mar-07 | ML070550048 |
| 9.2.6 | Condensate Storage Facilities | DSRA | SPSB | | | | DSEA | RPAC | Radiation Protection reviews this section to identify the kinds and quantities of radioactive fission, activation and corrosion products contained in the tanks, filters and demineralizers, and the means for controlling and limiting radiation exposures, in accordance with 10 CFR 52.47(a)(5). 10 CFR 20.1406, as it relates to minimizing contamination of the facility and the environment. 10 CFR 20.1301(e) as it relates to limiting direct radiation exposure to members of the public. RPAC is end user of condensate storage facilities information in SRP 11.2 and 11.3. | Rev. 3 | Mar-07 | ML070550046 |
| 9.2.7 | Chilled Water | DSRA | SPSB | | | | | | | Rev 0 | Sep-15 | ML15103A559 |

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| 9.3.1 | Compressed Air System | DSRA | SPSB | DSEA | RPAC | <p>For a number of designs, portions of the station air or instrument air, or other compressed gas systems are utilized to provide air for breathing. 10 CFR 20 provides requirements for the control and monitoring of potential exposure from ingestion of radioactive material. RG 8.15 "Acceptable Programs for Respiratory Protection," provides guidance on acceptable methods for maintaining breathable air quality. 10 CFR 20.1406 describes the requirements for minimizing contamination. RG 4.21, "Minimization of Contamination and Radioactive Waste Generation: Life-Cycle Planning," and IE Bulletin 80-10, "Contamination of Nonradioactive System and Resulting Potential for Unmonitored, Uncontrolled Release of Radioactivity to Environment," provide additional guidance on how to minimize contamination of systems and actions to be taken in the event of system contamination. Radiation Protection personnel have the most knowledge about the industry events that have resulted in inadvertent internal exposures to site personnel from these systems, or inadvertent contamination of these systems.</p> | | | | Rev 0 | Mar-07 | ML070550044 |
| 9.3.2 | Process and Post Accident Sampling Systems | DEIA | MCB | Multiple as defined in the SRP, DSEA | RPAC | | | | | Rev. 2 | Mar-07 | ML070680137 |
| 9.3.3 | Equipment and Floor Drainage System | DSRA | SPSB | | | | DSEA | RPAC | products contained within the system, consistent with 10 CFR 20.1204 and 10 CFR 20.1406, as they to limiting internal exposure to radionuclides, and minimizing contamination of the facility and the environment. RPAC is end user of equipment and floor drainage system information in SRP 11.2 and 11.3. | Rev. 3 | Mar-07 | ML070550042 |

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| 9.3.4 | Chemical and Volume Control System (PWR) (Including Boron Recovery System) | DSRA | SRSB | DEIA | MCB | MCB provides support regarding water chemistry/chemical engineering aspects | DSEA | RPAC | Radiation Protection reviews the kinds and quantities of radioactive material, and the means for controlling and limiting radiation exposures, consistent with 52.47(a)(5), 10 CFR 52.79(a)(3) and 10 CFR 52.157(e). RPAC is end user of equipment and floor drainage system information in SRP 11.2 and 11.3. | Rev. 3 | Mar-07 | ML070160660 |
| 9.3.5 | Standby Liquid Control System (BWR) | DSRA | SRSB | | | | | | | Rev. 3 | Mar-07 | ML070680186 |
| 9.4.1 | Control Room Area Ventilation System | DSRA | SCVB | DSEA, DCIP | RPAC, RMOT, HOIB | RPAC as the organization responsible for review of design basis accident radiological consequence analyses is confirmed to have secondary review responsibility. RPAC is not a secondary review branch for the SER. The results of the review under this SRP section are used as inputs to the SRP 15.0.3 review of DBA dose analyses and in the control room habitability review under SRP 6.4 where RPAC is a secondary review branch. RMOT provides the historic ambient outdoor air temperatures used in this SRP section. | | | | Rev. 3 | Mar-07 | ML070550045 |
| 9.4.2 | Spent Fuel Pool Area Ventilation System | DSRA | SCVB | | | | DSEA | RPAC | Information on this system listed in the related section of the DCD or FSAR may be used as input to the DBA dose analyses which is reviewed under SRP 15.0.3. Radiation Protection reviews the kinds and quantities of radioactive material, and the means for controlling and limiting radiation exposures, consistent with 52.47(a)(5), 10 CFR 52.79(a)(3) and 10 CFR 52.157(e). | Rev. 3 | Mar-07 | ML070550038 |

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| 9.4.3 | Auxiliary and Radwaste Area Ventilation System | DSRA | SCVB | | | | DSEA | RPAC | Information on this system listed in the related section of the DCD or FSAR may be used as input to the DBA dose analyses which is reviewed under SRP 15.0.3. Radiation Protection reviews the kinds and quantities of radioactive material, and the means for controlling and limiting radiation exposures, consistent with 52.47(a)(5), 10 CFR 52.79(a)(3) and 10 CFR 52.157(e). | Rev. 3 | Mar-07 | ML070550039 |
| 9.4.4 | Turbine Area Ventilation System | DSRA | SCVB | | | | DSEA | RPAC | Information on this system listed in the related section of the DCD or FSAR may be used as input to the DBA dose analyses which is reviewed under SRP 15.0.3. Information in the related section of the DCD or FSAR is used to evaluate the effectiveness of radiation protection shielding, under SRP sections 12.2 and 12.3. Information in the related section of the DCD or FSAR is used to evaluate the effectiveness of radiological effluents under SRP Chapter 11. | Rev. 3 | Mar-07 | ML070550040 |
| 9.4.5 | Engineered Safety Feature Ventilation System | DSRA | SCVB | DSEA | RPAC | RPAC as the organization responsible for review of design basis accident radiological consequence analyses is confirmed to have secondary review responsibility. RPAC is not a secondary review branch for the SER. The results of the review under this SRP section are used as inputs to the Chapter 15 review of DBA dose analyses when fission product removal by this system is credited in the dose analysis. | DSEA | RPAC | Information in the related section of the DCD or FSAR is used to evaluate the effectiveness of radiation protection shielding, under SRP sections 12.2 and 12.3. | Rev. 3 | Mar-07 | ML070550041 |

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| 9.5.1.1 | Fire Protection Program | DSRA | SPSB | DSEA | RPAC | GDC 3 requires fire protection design features to minimize the probability and effect of fires. 10 CFR Part 50.48 also includes fire protection SSCs needed to minimize the release of radioactive material to the environment - i.e., equipment important to safety. Fire protection design features include those provided to: (1) prevent fires in contaminated charcoal adsorption media, HEPA filters used in ventilation systems; (2) detect, control and minimize the generation of explosive H2 and O2 gas mixtures in systems and where high activity radioactive wastes are stored, and (3) act as barriers to prevent the release of radioactive materials. These design features help ensure that any releases of radioactive material due to a fire will remain within the effluent limits of 10 CFR 20. | | | | Rev 0 | Feb-09 | ML090510170 |
| 9.5.1.2 | Risk Informed (RI) and Performance Based (PB) Fire Protection Program (FPP) | DSRA | SPRA | DSEA | RPAC | | DSEA | RPAC | RPAC: GDC 3 requires fire protection design features to minimize the probability and effect of fires. | Rev 0 | Dec-09 | ML092590527 |
| 9.5.2 | Communications Systems | DEIA | ICE | | | | DSEA | RPAC | Information in the related section of the DCD or FSAR is used to evaluate the effectiveness of design features provided to facilitate work, minimize radiation exposure, and implement Technical Specifications requirements specified for implementing high radiation area access controls per 10 CFR 20.1601(b) and 10 CFR 20.1601(c). 10 CFR 20.1101(b). | Rev. 3 | 7-Mar | ML070550037 |
| 9.5.3 | Lighting Systems | DEIA | ICE | | | | DSEA | RPAC | Information in the related section of the DCD or FSAR is used to evaluate the effectiveness of design features provided to minimize radiation exposure per 10 CFR 20.1101(b) and Regulatory Guide 8.8. | Rev. 3 | Mar-07 | ML070550036 |
| 9.5.4 | Emergency Diesel Engine Fuel Oil Storage and Transfer System | DSRA | SPSB | DEIA | MCB | MCB provides support regarding fuel oil chemistry, monitoring, etc. aspects | | | | Rev. 3 | Mar-07 | ML070680388 |

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| 9.5.5 | Emergency Diesel Engine Cooling Water System | DSRA | SPSB | | | | | | | Rev. 3 | Mar-07 | ML070550035 |
| 9.5.6 | Emergency Diesel Engine Starting System | DSRA | SPSB | | | | | | | Rev. 3 | Mar-07 | ML070550034 |
| 9.5.7 | Emergency Diesel Engine Lubrication System | DSRA | SPSB | | | | | | | Rev. 3 | Mar-07 | ML070460354 |
| 9.5.8 | Emergency Diesel Engine Combustion Air Intake and Exhaust System | DSRA | SPSB | | | | | | | Rev. 3 | Mar-07 | ML070460354 |
| 10.2 | Turbine Generator (Obsolete??) | DSRA | SPSB | | | | | | | Rev. 2 | Mar-07 | ML070380204 |
| 10.2.3 | Turbine Rotor Integrity | DEIA | MCB | | | | | | | Rev. 3 | Mar-07 | ML063190015 |
| 10.3 | Main Steam Supply System | DSRA | SPSB | | | | | | | Rev. 3 | Mar-07 | ML070380206 |
| 10.3.6 | Steam and Feedwater System Materials | DEIA | MCB | | | | | | | Rev. 3 | Mar-07 | ML063190016 |
| 10.4.1 | Main Condensers | DSRA | SPSB | | | | DSEA | RPAC | RPAC is end user of main condensers information in SRP 11.2. | Rev. 3 | Mar-07 | ML070510077 |
| 10.4.2 | Main Condenser Evacuation System | DSRA | SPSB | | | | | | | Rev. 3 | Mar-07 | ML070510078 |
| 10.4.3 | Turbine Gland Sealing System | DSRA | SPSB | | | | DSEA | RPAC | RPAC is end user of turbine gland sealing system information in SRP 11.2. | Rev. 3 | Mar-07 | ML070510079 |
| 10.4.4 | Turbine Bypass System | DSRA | SPSB | | | | | | | Rev. 3 | Mar-07 | ML070380209 |
| 10.4.5 | Circulating Water System | DSRA | SPSB | | | | | | | Rev. 3 | Mar-07 | ML070380215 |

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| 10.4.6 | Condensate Cleanup System | DEIA | MCB | | | | DSEA | RPAC | Radiation Protection reviews this section to identify the kinds and quantities of radioactive fission, activation and corrosion products contained in the tanks, filters and demineralizers, and the means for controlling and limiting radiation exposures, in accordance with 10 CFR 52.47(a)(5). 10 CFR 20.1406, as it relates to minimizing contamination of the facility and the environment. 10 CFR 20.1301(e) as it relates to limiting direct radiation exposure to members of the public. RPAC is end user of condensate cleanup system information to treat regenerant solutions in SRP 11.2. | Rev. 4 | Mar-07 | ML070710340 |
| 10.4.7 | Condensate and Feedwater System | DSRA | SPSB | | | | | | | Rev. 3 | Mar-07 | ML070380221 |
| 10.4.8 | Steam Generator Blowdown System (PWR) | DEIA | MCB | DE | ICE | ICE is not the lead but the scope of the review includes I&C systems | DSEA | RPAC | Radiation Protection reviews this section to identify the kinds and quantities of radioactive fission, activation and corrosion products contained in the tanks, filters and demineralizers, and the means for controlling and limiting radiation exposures, in accordance with 10 CFR 52.47(a)(5). 10 CFR 20.1406, as it relates to minimizing contamination of the facility and the environment. 10 CFR 20.1301(e) as it relates to limiting direct radiation exposure to members of the public. RPAC is end user of SGBS (PWR) information in SRP 11.2. | Rev. 3 | Mar-07 | ML070550004 |
| 10.4.9 | Auxiliary Feedwater System (PWR) | DSRA | SPSB | | | | | | | Rev. 3 | Mar-07 | ML070570007 |

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| BTP 10-1 | Design Guidelines for Auxiliary Feedwater System Pump Drive and Power Supply Diversity for Pressurized Water Reactor Plants | DSRA | SPSB | | | | | | | Rev. 4 | Mar-07 | ML07850410 |
| BTP 10-2 | Design Guidelines for Avoiding Water Hammers in Steam Generators | DSRA | SPSB | | | | | | | Rev.4 | Mar-15 | ML070850324 |
| 11.1 | Coolant Source Terms | DSEA | RPAC | | | | DSEA | RPAC, RENV | Coolant activity concentrations reviewed under this section are used in DBA dose analyses reviewed under SRP 15.0.3. Radiation Protection reviews this section to identify the kinds and quantities of radioactive material, and the means for controlling and limiting radiation exposures, in accordance with 10 CFR 52.47(a)(5), 10 CFR 20 Subpart F, 10 CFR 20.1602 and 10 CFR 20.1101, 10 CFR 20.1301(e) and 10 CFR 20.1406. RPAC applies the same information to ESRP Sections 4.5 and 5.4. This ensures consistency between the SER and the EIS. | Rev. 4 | Jan-16 | ML15029A022 |
| 11.2 | Liquid Waste Management Systems | DSEA | RPAC | DSRA | SPSB | SPSB is responsible for reviewing the systems portion while RPAC looks at the waste portion | DSEA | RPAC | Radiation Protection reviews this section to identify the kinds and quantities of radioactive material, and the means for controlling and limiting radiation exposures, in accordance with 10 CFR 52.47(a)(5), 10 CFR 20 Subpart F, 10 CFR 20.1602 and 10 CFR 20.1101, 10 CFR 20.1301(e) and 10 CFR 20.1406. RPAC applies the same information to ESRP Sections 4.5 and 5.4. This ensures consistency between the SER and the EIS. | Rev. 5 | Jan-16 | ML15029A032 |

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| 11.3 | Gaseous Waste Management Systems | DSEA | RPAC | DSRA, DSEA | SPSB | SPSB is responsible for reviewing the systems portion while RPAC looks at the waste portion. | DSEA | RPAC | RMOT provides the atmospheric dispersion factors used in this section. | Rev. 4 | Jan-16 | ML15029A039 |
| 11.4 | Solid Waste Management Systems | DSEA | RPAC | DSRA | SPSB | SPSB is responsible for reviewing the systems portion while RPAC looks at the waste portion | DSEA | RPAC, RENV | Radiation Protection reviews this section to identify the kinds and quantities of radioactive material, and the means for controlling and limiting radiation exposures, in accordance with 10 CFR 52.47(a)(5), 10 CFR 20 Subpart F, 10 CFR 20.1602 and 10 CFR 20.1101, 10 CFR 20.1301(e) and 10 CFR 20.1406. RPAC applies the same information to ESRP Sections 3.5, 4.5, and 5.4. 5.5.2. RENV applies the information to ESRP Section 5.5.2. This ensures consistency between the SER and the FIS. | Rev. 4 | Jan-16 | ML15029A174 |
| 11.5 | Process and Effluent Radiological Monitoring Instrumentation and Sampling Systems | DSEA | RPAC | DEIA, DSEA | ICE, | ICE: the scope of the review includes I&C systems | DSEA | RMOT | RMOT - This SRP section includes inspecting elements of the ODCM which includes atmospheric dispersion modeling. | Rev. 6 | Jan-16 | ML15029A182 |
| BTP 11-3 | Design Guidance for Solid Radioactive Waste Management Systems Installed in Light-Water -Cooled Nuclear Power Reactor Plants | DSEA | RPAC | | | Delete this item. The BTP is already part of SRP 11.4 | DSEA | RPAC | Radiation Protection reviews this section to identify the kinds and quantities of radioactive material, and the means for controlling and limiting radiation exposures, in accordance with 10 CFR 52.47(a)(5), 10 CFR 20 Subpart F, 10 CFR 20.1602 and 10 CFR 20.1101, 10 CFR 20.1301(e) and 10 CFR 20.1406. RPAC applies the same information to ESRP Section 3.5. This ensures consistency between the SER and the FIS. | Rev. 4 | Jan-16 | ML15027A198 |
| BTP 11-5 | Postulated Radioactive Releases Due to a Waste Gas System Leak or Failure | DSEA | RPAC | | | | | | | Rev 4 | Jan-16 | ML15027A302 |

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| BTP 11-6 | Postulated Radioactive Releases Due to Liquid-Containing Tank Failures | DSEA | RPAC | | | | | | | Rev. 4 | Jan-16 | ML15027A401 |
| 12.1 | Assuring that Occupational Radiation Exposures Are As Low As Is Reasonably Achievable | DSEA | RPAC | | | | DSEA | RPAC | RPAC applies the same information to ESRP Sections 4.5. This ensures consistency between the SER and the EIS. | Rev. 4 | Sep-13 | ML13151A061 |
| 12.2 | Radiation Sources | DSEA | RPAC | | | | DSEA | RPAC | Information from this SRP section is used to estimate the direct dose contribution for the control room habitability analysis, which is reviewed under SRP 6.4 and 15.0.3. RPAC applies the same information to ESRP Sections 4.5. This ensures consistency between the SER and the EIS. | Rev. 5 | Sep-13 | ML13151A413 |
| 12.3 - 12.4 | Radiation Protection Design Features | DSEA | RPAC | | | | DSEA | RPAC | Information from this SRP section is used to estimate the direct dose contribution for the control room habitability analysis, which is reviewed under SRP 6.4 and 15.0.3. | Rev. 5 | Sep-13 | ML13151A475 |
| 12.5 | Operational Radiation Protection Program | DSEA | RPAC | | | | | | | Rev. 5 | Aug-14 | ML13155A232 |
| 13.1.1 | Management and Technical Support Organization | DCIP | HOIB | DRA | APHB | | DSEA | RPAC | Radiation Protection reviews this section to identify the management and technical support organizations provided for radiation protection and the levels of organizational freedom provided, consistent with the guidance of RG 8.8 and 8.10. | Draft 6 | Aug-16 | ML15005A449 |
| 13.1.2 - 13.1.3 | Operating Organization | DCIP | HOIB | DSEA, DRA | RPAC, APHB | | | | | Rev. 7 | Aug-16 | ML15007A296 |
| 13.2.1 | Reactor Operator Requalification Program; Reactor Operator Training | DCIP | HOIB | DIRS | IOLB | | | | | Rev. 4 | Aug-16 | ML15006A035 |
| 13.2.2 | Non- Licensed Plant Staff Training | DCIP | HOIB | DSEA, DIRS | RPAC, IOLB | | | | | Rev. 4 | Aug-16 | ML15006A129 |

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| 13.3 | Emergency Planning | NSIR-DPR | LIB under EP | DSEA, DCIP | RMOT, HOIB | RMOT reviews the meteorological monitoring system that is described in this SRP section. HOIB for human factors at EOF facilities. | DSEA | RPAC | The technical support center habitability is reviewed as part of the review of DBA dose analyses under SRP 15.0.3. RPAC is end user for any portion of the post-accident subsystems that supports safety-related functions in SRP 11.2, 11.3, and 11.5. | Rev. 3 | Mar-07 | ML063410307 |
| 13.4 | Operational Program | DNRL | LB1, LB2, LB3, LB4 | | | | DSEA | RPAC | RPAC is end user of operational program information in SRP 11.2, 11.3. | | | ML070470463 |
| 13.5.1.1 | Administrative Procedures - General | DCIP | HOIB | Multi as defined by SRP, DSEA, DIRS | RPAC, IOLB | 10 CFR 50.40(a) "Standard for Licenses, Certifications, and Regulatory Approvals," specifically identifies compliance with the regulations in 10 CFR 20. | | | | Rev. 0 | Aug-14 | ML13115A067 |
| 13.5.1.2 | Administrative Procedures - Initial Test Program | deleted | deleted | | | | | | | Draft Rev 0 | Apr-96 | ML052070642 |
| 13.5.2.1 | Operating and Emergency Operating Procedures | DCIP | HOIB | DIRS | IOLB | | | | | Draft Rev. 3 | Aug-14 | ML13311B514 |
| 13.5.2.2 | Maintenance and Other Operating Procedures | deleted | deleted | | | | | | | Draft Rev. 0 | Jun-96 | ML052070648 |
| 13.6. | Physical Security | NSIR-DSP | RSB | | | | | | | Rev. 1 | Oct-10 | ML102230082 |
| 13.6.1 | Physical Security - Combined License and Operating Reactors | NSIR-DSP | RSB | | | | | | | Rev. 0 | Mar-07 | ML070720094 |
| 13.6.2 | Physical Security - Review of Physical Security Design - Standard Design Certification and Operating Reactor Licensing Applications | NSIR-DSP | RSB | | | | | | | Rev 2 | Jun-15 | ML14140A210 |
| 13.6.3 | Physical Security - Early Site Permit and Reactor Siting Criteria | NSIR-DSP | RSB | | | | | | | Rev 2 | Oct-16 | ML15061A471 |
| 13.6.4 | Access Authorization - Operational Program | NSIR-DSP | RSB | | | | | | | Rev. 0 | Oct-16 | ML15226A009 |
| 13.6.6 | Cyber Security Program | NSIR-DSP | RSB | | | | | | | Rev 0 | Nov-10 | ML102630477 |
| 13.7 | Fitness for Duty - Introduction | NSIR-DSP | SPSB | | | | | | | rev 0 | Oct-16 | ML15111A091 |
| 13.7.1 | Fitness for Duty - Operational | NSIR-DSP | SPSB | | | | | | | rev 0 | Oct-16 | ML15111A036 |
| 13.7.2 | Fitness for Duty - Construction | NSIR-DSP | SPSB | | | | | | | rev 0 | Oct-16 | ML15111A034 |

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| 14.2 | Initial Plant Test Program - Design Certification and New License Applicants | DCIP | QVIB | MULTIPLE, DEIA | MULTIPLE, ICE | ICE is not the lead but the scope of the review includes I&C systems | DSEA | RPAC | The initial test program checks the operability of numerous systems used to demonstrate compliance with 10 CFR 20 effluent controls, GDC 14, GDC 30, GDC 44, GDC 60, GDC 61, GDC 63 GDC 64, 10 CFR 50 Appendix I, and 10 CFR 20.1406, to name a few | Rev. 3 | Mar-07 | ML070550027 |
| 14.2.1 | Generic Guidelines for Extended Power Uprate Testing Programs | DCIP | QVIB | DSRA | SRSB, SBPA/B, SFP | The SRP Section is not Applicable to NRO. Power Uprates would be NRR | | | | Rev. 0 | Mar-06 | ML062210398 |
| 14.3 | Inspections, Tests, Analyses, and Acceptance Criteria | DNRL | LB1, LB2, LB3, LB4 | MULTIPLE | MULTIPLE | | | | | Rev. 0 | Mar-07 | ML070660618 |
| 14.3.1 | Reserved | | | | | | | | | | | ML070520589 |
| 14.3.2 | Structural and Systems Engineering - Inspections, Tests, Analyses, and Acceptance Criteria | DEIA | SEB | MULTIPLE | MULTIPLE | | DSEA | RPAC | The checks the installation of a number SSCs used to demonstrate compliance with 10 CFR 20 effluent controls, GDC 14, GDC 30, GDC 44, GDC 60, GDC 61, GDC 63 GDC 64, and 10 CFR 50 Appendix I, to name a few | Rev. 0 | Mar-07 | ML070660522 |
| 14.3.3 | Piping Systems and Components Inspections, Tests, Analyses, and Acceptance Criteria | DEIA | MEB | | | | | | | Rev. 0 | Mar-07 | ML070660622 |
| 14.3.4 | Reactor Systems - Inspections, Tests, Analyses, and Acceptance Criteria | DSRA | SRSB | | | | | | | Rev. 0 | Mar-07 | ML070660623 |
| 14.3.5 | Instrumentation and Controls - Inspections, Tests, Analyses, and Acceptance Criteria | DEIA | ICE | | | | DSEA | RPAC | Radiation Protection and Radioactive Waste reviews this section to identify the instrumentation and controls provided to meet 10 CFR 52.47(a)(5), 10 CFR 50 Appendix I, 10 CFR 20 effluent release limits, GDC 60, GDC 61, GDC 63 and GDC 64 | Rev. 0 | Mar-07 | ML070660624 |
| 14.3.6 | Electrical Systems - Inspections, Tests, Analyses, and Acceptance Criteria | NRR/DE | EEEE | | | | | | | Rev. 0 | Mar-07 | ML070660625 |

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| 14.3.7 | Plant Systems - Inspections, Tests, Analyses, and Acceptance Criteria | DSRA | SPSB | DSEA | RPAC | | DSEA | RPAC | Radiation Protection and Radioactive Waste reviews this section to identify the instrumentation and controls provided to meet 10 CFR 52.47(a)(5), 10 CFR 50 Appendix I, 10 CFR 20 effluent release limits, GDC 60, GDC 61, GDC 63 and GDC 64. | Rev. 0 | Mar-07 | ML070550025 |
| 14.3.8 | Radiation Protection - Inspections, Tests, Analyses, and Acceptance Criteria | DSEA | RPAC | | | | DSEA | RPAC | RPAC: Reviewers responsible for the review of the post accident and sampling systems | Rev. 0 | Mar-07 | ML070550022 |
| 14.3.9 | Human Factors Engineering - Inspections, Tests, Analyses, and Acceptance Criteria | DCIP | HOIB | DRA | APHB | | | | | Rev. 0 | Mar-07 | ML070550021 |
| 14.3.10 | Emergency Planning - Inspections, Tests, Analyses, and Acceptance Criteria | NSIR | NLRB | | | | | | | Rev. 0 | Mar-07 | ML070730206 |
| 14.3.11 | Containment Systems - Inspections, Tests, Analyses, and Acceptance Criteria | DSRA | SCVB | | | | | | | Rev. 0 | Mar-07 | ML070550011 |
| 14.3.12 | Physical Security Hardware - Inspections, Tests, Analyses, and Acceptance Criteria | NSIR | RSB | | | | | | | Draft Rev. 2 | Jun-16 | ML16032A050 |
| 15.0 | Introduction—Transient and Accident Analyses | DSRA | SRSB | DCIP | HOIB | Manual actions, procedures | DSEA | RPAC | The classification of events evaluated under this SRP section is information that is required to assess whether the appropriate DBAs are evaluated for radiological consequences under the SRP 15.0.3 review. RPAC applies the same information to ESRP Sections 7.1. This ensures consistency between the SER and the EIS. | Rev. 3 | Mar-07 | ML070710376 |

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| 15.0.1 | Radiological Consequence Analyses Using Alternate Source Terms | N/A for new reactors | | | | | DSEA | RPAC, RMOT | RPAC applies the same information to ESRP Sections 7.1. This ensures consistency between the SER and the EIS. RMOT provides the atmospheric dispersion factors used in this SRP section. | Rev. 0 | Jul-10 | ML003734190 |
| 15.0.2 | Review of Transient and Accident Analysis Methods | DSRA | SRSB | | | | DSEA | RPAC | RPAC applies the same information to ESRP Sections 7.1. This ensures consistency between the SER and the EIS. | Rev. 3 | Mar-07 | ML070820123 |
| 15.0.3 | Design Basis Accident Radiological Consequence Analyses for Advanced Light Water Reactors | DSEA | RPAC | DSEA, DEIA, as necessary, DSRA | RHM/RMOT, MCB, as necessary: SCVB, SRSB, SPRA | RMOT provides the atmospheric dispersion factors used in this SRP section. MCB provides support regarding water chemistry/chemical engineering aspects | Multiple, DSEA | Multiple, RPAC | Information in other SRP reviews are used as input to the DBA dose analyses reviewed under this section. SRP sections included are 2.0, 2.3.4, 4.2, 6.4, 6.5.1, 6.5.2, 6.5.3, 9.4.1, 9.4.2, 9.4.3, 9.4.4, 9.4.5, 11.1, 12.2, 13.3, 15.0, 15.1.5, 15.2.8, 15.3.3-15.3.4, 15.4.8, 15.4.9, 15.6.5, and 15.7.5. For ENVIRONMENTAL REVIEW, ESRP section 7.1 verifies that information on DBA releases in the environmental report is the same as used in FSAR Chapter 15, as reviewed under this SRP section. | Rev. 0 | Mar-07 | ML070230012 |
| 15.1.1 - 15.1.4 | Decrease in Feedwater Temperature, Increase in Feedwater Flow, Increase in Steam Flow, and Inadvertent Opening of a Steam Generator Relief or Safety Valve | DSRA | SRSB | | | | DSEA | RPAC | RPAC applies the same information to ESRP Sections 7.1. This ensures consistency between the SER and the EIS. | Rev. 2 | Mar-07 | ML070550005 |

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| 15.1.5 | Steam System Piping Failures Inside and Outside of Containment (PWR) | DSRA | SRSB | DSEA | RPAC | RPAC as the organization responsible for review of design basis accident radiological consequence analyses is confirmed to have secondary review responsibility. RPAC is not a secondary review branch for the SER. The results of the review under this SRP section are used as inputs to the SRP 15.0.3 review of DBA dose analyses. Information on the accident initiation and progression should be ensured to be consistent with the assumptions underlying the guidance in SRP 15.0.3 and the technical information in RG 1.183, as referenced in SRP 15.0.3. | DCIP, DSEA | HIOB, RPAC | The guidance requires the reviewer to assess credited operator actions/operator errors but does not identify HFE as a review interface/secondary review or cite relevant guidance. RPAC applies the same information to ESRP Sections 7.1. This ensures consistency between the SER and the EIS. | Rev. 3 | Mar-07 | ML070550006 |
| 15.1.5.A | Radiological Consequences of Main Steam Line Failures Outside Containment of a PWR | DSEA *N/A for new reactors - use 15.0.3 | RPAC | DSRA | SRSB | | DSEA | RPAC | RPAC applies the same information to ESRP Sections 7.1. This ensures consistency between the SER and the EIS. | Rev. 2 | Jul-81 | ML052350118 |
| 15.2.1 - 15.2.5 | Loss of External Load; Turbine Trip; Loss of Condenser Vacuum; Closure of Main Steam Isolation Valve (BWR); and Steam Pressure Regulator Failure (Closed) | DSRA | SRSB | DSEA | RPAC | RPAC did not claim this as a secondary review responsibility with respect to the SER. RPAC as the organization responsible for review of design basis accident radiological consequence analyses is confirmed to have secondary review responsibility with respect to the development and maintenance of the SRP. RPAC is not a secondary review branch for the SER. In general these events have not resulted in radiological release and are not considered in the DBA dose analyses reviewed under SRP 15.0.3. However, the Information on event initiation and progression should be ensured to be consistent with the assumptions underlying the guidance in SRP 15.0.3 and the technical information in RG 1.183, as referenced in SRP 15.0.3. | DSEA | RPAC | RPAC applies the same information to ESRP Sections 7.1. This ensures consistency between the SER and the EIS. | Rev. 2 | Mar-07 | ML070300702 |

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| 15.2.6 | Loss of Nonemergency AC Power to the Station Auxiliaries | DSRA | SRSB | | | | DCIP, DSEA | HOIB, RPAC | The guidance requires the reviewer to assess credited operator actions/operator errors but does not identify HFE as a review interface/secondary review or cite relevant guidance. RPAC applies the same information to ESRP Sections 7.1. This ensures consistency between the SER and the EIS. | Rev. 2 | Mar-07 | ML070550008 |
| 15.2.7 | Loss of Normal Feedwater Flow | DSRA | SRSB | | | | DCIP, DSEA | HOIB, RPAC | The guidance requires the reviewer to assess credited operator actions/operator errors but does not identify HFE as a review interface/secondary review or cite relevant guidance. RPAC applies the same information to ESRP Sections 7.1. This ensures consistency between the SER and the EIS. | Rev. 2 | Mar-07 | ML070300709 |
| 15.2.8 | Feedwater System Pipe Breaks Inside and Outside Containment (PWR) | DSRA | SRSB | | | | DCIP, DSEA | HOIB, RPAC | HOIB- The guidance requires the reviewer to assess credited operator actions/operator errors but does not identify HFE as a review interface/secondary review or cite relevant guidance. RPAC - Accident modeling, including estimates of fuel damage, steam and coolant mass release, thermal hydraulics, etc., evaluated under this SRP section are used to develop the DBA dose analyses reviewed under SRP 15.0.3. RPAC applies the same information to ESRP Sections 7.1. This ensures consistency between the SER and the EIS. | Rev. 2 | Mar-07 | ML070550009 |

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| 15.3.1 - 15.3.2 | Loss of Forced Reactor Coolant Flow Including Trip of Pump Motor and Flow Controller Malfunctions | DSRA | SRSB | | | | DCIP, DSEA | HOIB, RPAC | The guidance requires the reviewer to assess credited operator actions/operator errors but does not identify HFE as a review interface/secondary review or cite relevant guidance. RPAC applies the same information to ESRP Sections 7.1. This ensures consistency between the SER and the EIS. | Rev. 2 | Mar-07 | ML070550010 |
| 15.3.3 - 15.3.4 | Reactor Coolant Pump Rotor Seizure and Reactor Coolant Pump Shaft Break | DSRA | SRSB | | | | DCIP, DSEA | HOIB, RPAC | HOIB - The guidance requires the reviewer to assess credited operator actions/operator errors but does not identify HFE as a review interface/secondary review or cite relevant guidance. RPAC - Accident modeling, including estimates of fuel damage, steam and coolant mass release, thermal hydraulics, etc., evaluated under this SRP section are used to develop the DBA dose analyses reviewed under SRP 15.0.3. RPAC applies the same information to ESRP Sections 7.1. This ensures consistency between the SER and the EIS. | Rev. 3 | Mar-07 | ML070550012 |
| 15.4.1 | Uncontrolled Control Rod Assembly Withdrawal from a Subcritical or Low Power Startup Condition | DSRA | SRSB | | | | DCIP | HOIB, RPAC | The guidance requires the reviewer to assess credited operator actions/operator errors but does not identify HFE as a review interface/secondary review or cite relevant guidance. RPAC applies the same information to ESRP Sections 7.1. This ensures consistency between the SER and the EIS. | Rev. 3 | Mar-07 | ML063600413 |

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| 15.4.2 | Uncontrolled Control Rod Assembly Withdrawal at Power | DSRA | SRSB | | | | DCIP, DSEA | HOIB, RPAC | The guidance requires the reviewer to assess credited operator actions/operator errors but does not identify HFE as a review interface/secondary review or cite relevant guidance. RPAC applies the same information to ESRP Sections 7.1. This ensures consistency between the SER and the EIS. | Rev. 3 | Mar-07 | ML063600414 |
| 15.4.3 | Control Rod Misoperation (System Malfunction or Operator Error) | DSRA | SRSB | | | | DCIP, DSEA | HOIB, RPAC | The guidance requires the reviewer to assess credited operator actions/operator errors but does not identify HFE as a review interface/secondary review or cite relevant guidance. RPAC applies the same information to ESRP Sections 7.1. This ensures consistency between the SER and the EIS. | Rev. 3 | Mar-07 | ML063600415 |
| 15.4.4 - 15.4.5 | Startup of an Inactive Loop or Recirculation Loop at an Incorrect Temperature, and Flow Controller Malfunction Causing an Increase in BWR Core Flow Rate | DSRA | SRSB | | | | DCIP, DSEA | HOIB, RPAC | The guidance requires the reviewer to assess credited operator actions/operator errors but does not identify HFE as a review interface/secondary review or cite relevant guidance. RPAC applies the same information to ESRP Sections 7.1. This ensures consistency between the SER and the EIS. | Rev. 2 | Mar-07 | ML070550007 |
| 15.4.6 | Inadvertent Decrease in Boron Concentration in the Reactor Coolant System (PWR) | DSRA | SRSB | | | | DCIP, DSEA | HOIB, RPAC | The guidance requires the reviewer to assess credited operator actions/operator errors but does not identify HFE as a review interface/secondary review or cite relevant guidance. RPAC applies the same information to ESRP Sections 7.1. This ensures consistency between the SER and the EIS. | Rev. 2 | Mar-07 | ML070380222 |

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| 15.4.7 | Inadvertent Loading and Operation of a Fuel Assembly in an Improper Position | DSRA | SRSB | | | | DSEA | RPAC | RPAC applies the same information to ESRP Sections 7.1. This ensures consistency between the SER and the EIS. | Rev. 2 | Mar-07 | ML070550013 |
| 15.4.8 | Spectrum of Rod Ejection Accidents (PWR) | DSRA | SRSB | | | | DCIP, DSEA | HOIB, RPAC | HOIB - The guidance requires the reviewer to assess credited operator actions/operator errors but does not identify HFE as a review interface/secondary review or cite relevant guidance. RPAC - Accident modeling, including estimates of fuel damage, steam and coolant mass release, thermal hydraulics, etc., evaluated under this SRP section are used to develop the DBA dose analyses reviewed under SRP 15.0.3. RPAC applies the same information to ESRP Sections 7.1. This ensures consistency between the SER and the EIS. | Rev. 3 | Mar-07 | ML070550014 |
| 15.4.8. Appendix A | Radiological Consequences of a Control Rod Ejection Accident (PWR) | DSEA *N/A for new reactors - use 15.0.3 | RPAC | | | | | | | Rev. 1 | Jul-81 | ML052350416 |
| 15.4.9 | Spectrum of Rod Drop Accidents (BWR) | DSRA | SRSB | DSEA | RPAC | RPAC as the organization responsible for review of design basis accident radiological consequence analyses is confirmed to have secondary review responsibility. RPAC is not a secondary review branch for the SER. The results of the review under this SRP section are used as inputs to the SRP 15.0.3 review of DBA dose analyses. Information on the accident initiation and progression should be ensured to be consistent with the assumptions underlying the guidance in SRP 15.0.3 and the technical information in RG 1.183, as referenced in SRP 15.0.3. | DCIP, DSEA | HOIB, RPAC | The guidance requires the reviewer to assess credited operator actions/operator errors but does not identify HFE as a review interface/secondary review or cite relevant guidance. RPAC applies the same information to ESRP Sections 7.1. This ensures consistency between the SER and the EIS. | Rev. 3 | Mar-07 | ML070550015 |

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| 15.4.9. Appendix A | Radiological Consequences of Control Rod Drop Accident (BWR) | DSEA *N/A for new reactors - use 15.0.3 | RPAC | | | | | | | Draft Rev 3 | Apr-96 | ML052070724 |
| 15.5.1 - 15.5.2 | Inadvertent Operation of ECCS and Chemical and Volume Control System Malfunction that Increases Reactor Coolant Inventory | DSRA | SRSB | | | | DCIP, DSEA | HOIB, RPAC | The guidance requires the reviewer to assess credited operator actions/operator errors but does not identify HFE as a review interface/secondary review or cite relevant guidance. RPAC applies the same information to ESRP Sections 7.1. This ensures consistency between the SER and the FIS. | Rev. 2 | Mar-07 | ML070820081 |
| 15.6.1 | Inadvertent Opening of a PWR Pressurizer Pressure Relief Valve or a BWR Pressure Relief Valve | DSRA | SRSB | | | | DCIP, DSEA | HOIB, RPAC | The guidance requires the reviewer to assess credited operator actions/operator errors but does not identify HFE as a review interface/secondary review or cite relevant guidance. RPAC applies the same information to ESRP Sections 7.1. This ensures consistency between the SER and the EIS. | Rev. 2 | Mar-07 | ML070520094 |
| 15.6.2 | Radiological Consequences of the Failure of Small Lines Carrying Primary Coolant Outside Containment | DSEA *N/A for new reactors - use 15.0.3 | SRSB | | | | | | | Rev. 2 | Jul-81 | ML052350147 |
| 15.6.3 | Radiological Consequences of Steam Generator Tube Failure (PWR) | DSEA *N/A for new reactors - use 15.0.3 | RPAC | | | | | | | Rev. 2 | Jul-81 | ML052350149 |
| 15.6.4 | Radiological Consequences of Main Steam Line Failure Outside Containment (BWR) | DSEA *N/A for new reactors - use 15.0.3 | RPAC | | | | DCIP | HOIB, RPAC | The guidance requires the reviewer to assess credited operator actions/operator errors but does not identify HFE as a review interface/secondary review or cite relevant guidance. | Rev. 2 | Jul-81 | ML052350151 |

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| 15.6.5 | Loss of Coolant Accidents Resulting From Spectrum of Postulated Piping Breaks Within the Reactor Coolant Pressure Boundary | DSRA | SRSB | | | | DCIP, DSEA | HOIB, RPAC | HOIB - The guidance requires the reviewer to assess credited operator actions/operator errors but does not identify HFE as a review interface/secondary review or cite relevant guidance. RPAC - Accident modeling, including estimates of fuel damage, steam and coolant mass release, thermal hydraulics, etc., evaluated under this SRP section are used to develop the DBA dose analyses reviewed under SRP 15.0.3. RPAC applies the same information to ESRP Sections 7.1. This ensures consistency between the SER and the EIS. | Rev. 3 | Mar-07 | ML070550016 |
| 15.6.5. Appendix A | Radiological Consequences of a Design Basis Loss-of-Coolant Accident Including Containment Leakage Contribution | DSEA *N/A for new reactors - use 15.0.3 | RPAC | DEIA | MCB | MCB provides support regarding water chemistry/chemical engineering aspects | | | | Rev. 1 | Jul-81 | ML052350158 |
| 15.6.5. Appendix B | Radiological Consequences of a Design Basis Loss-of-Coolant Accident Leakage From Engineered Safety Feature Components Outside Containment | DSEA *N/A for new reactors - use 15.0.3 | RPAC | | | | | | | Rev. 1 | Jul-81 | ML052350160 |
| 15.6.5. Appendix D | Radiological Consequences of a Design Basis Loss-of-Coolant Accident: Leakage From Main Steam Isolation Valve Leakage Control System (BWR) | DSEA *N/A for new reactors - use 15.0.3 | RPAC | | | | | | | Rev. 1 | Jul-81 | ML052350166 |

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| 15.7.3 | Postulated Radioactive Releases Due to Liquid-Containing Tank Failures | DSEA *N/A for new reactors - use 15.0.3 | RPAC | | | | | | | Rev. 2 | Jul-81 | ML052350171 |
| 15.7.4 | Radiological Consequences of Fuel Handling Accidents | DSEA *N/A for new reactors - use 15.0.3 | | | | | | | | Rev. 1 | Jul-81 | ML052350313 |
| 15.7.5 | Spent Fuel Cask Drop Accidents | DSEA *N/A for new reactors - use 15.0.3 | RPAC | | | | | | | Rev. 2 | Jul-81 | ML052350315 |
| 15.8 | Anticipated Transients Without Scram | | | | | | DCIP, DSEA | HOIB, RPAC | The guidance requires the reviewer to assess credited operator actions/operator errors but does not identify HFE as a review interface/secondary review or cite relevant guidance. RPAC applies the same information to ESRP Sections 7.1. This ensures consistency between the SER and the EIS. | Rev. 2 | Mar-07 | ML070570008 |
| 15.9 | Boiling Water Reactor Stability | DSRA | SRSB | | | | DCIP, DSEA | HOIB, RPAC | The guidance requires the reviewer to assess credited operator actions/operator errors but does not identify HFE as a review interface/secondary review or cite relevant guidance. RPAC applies the same information to ESRP Sections 7.1. This ensures consistency between the SER and the EIS. | Rev. 0 | Mar-07 | ML070550017 |

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| 16.0 | Technical Specifications | NRR/DSS | STSB | | | | DSEA | RPAC | Radiation Protection reviews this section to identify the Technical Specifications associated with radiation monitoring equipment described in Chapter 12, and Radiation Protection program elements, in accordance with 10 CFR 20 and 10 CFR 50.34, and leakage control program elements, consistent with 10 CFR50.34(f)(2)(xxvi) RPAC is end user of administrative programs on radioactive effluent controls and monitoring in SRP 11.2, 11.3, 11.4, and 11.5. | Rev. 3 | Mar-10 | ML100351425 |
| 16.1 | Risk-Informed Decision Making: Technical Specifications | NRR/DSS | STSB | Multiple | SPRA, ICE | Tech Spec COE in NRR by FY'17. SPRA reviews the PRA technical adequacy for the risk-informed application and provides SE input. SRSB may provide SE input if risk-informed Tech Specs affect chapter 15 analysis | DSEA | RPAC | Radiation Protection reviews this section to identify the Technical Specifications associated with radiation monitoring equipment described in Chapter 12, and Radiation Protection program elements, in accordance with 10 CFR 20 and 10 CFR 50.34, and leakage control program elements, consistent with 10 CFR50.34(f)(2)(xxvi) RPAC is end user of | Rev. 1 | Mar-07 | ML070380228 |
| 17.1 | Quality Assurance During Design and Construction Phases | DCIP | QVIB | | | | DSEA | RPAC | QA program for any portion of the radioactive waste management system that may be covered by 10 CFR 50, Appendix B in SRP 11.2 and 11.3. | Rev. 2 | Jul-81 | ML052350349 |
| 17.2 | Quality Assurance During the Operations Phase | DCIP | QVIB | | | | | | | Rev. 2 | Jul-81 | ML052350361 |
| 17.3 | Quality Assurance Program Description | DCIP | QVIB | | | | | | | Rev. 0 | Aug-90 | ML052350376 |
| 17.4 | Reliability Assurance Program | DSRA | SPRA | | | | | | | Rev. 1 | May-10 | ML13296A435 |

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| 17.5 | Program Description - Design Certification, Early Site Permit and New License Applicants | DCIP | QVIB | | | | | | | Rev. 1 | Aug-15 | ML15037A441 |
| 17.6 | Maintenance Rule | DSRA | SPRA | | | | | | | Rev. 2 | Jul-14 | ML14099A044 |
| 18.0 | Human Factors Engineering Introduction | DCIP | HOIB | DRA | APHB | | | | | Rev. 3 | Dec-16 | ML16125A114 |
| 18.0 Appendix A | Crediting Manual Operator Actions in Diversity and Defense-in-Depth (D3) Analyses | DCIP | HOIB | DRA | APHB | | | | | Rev. 0 | Apr-14 | ML13115A156 |
| 19.0 | Probabilistic Risk Assessment and Severe Accident Evaluation for New Reactors | DSRA | SPRA | DEIA, DSEA | SEB, ICE | ICE is not the lead but the scope of the review includes I&C systems. The scope includes the assessment of structures which is addressed by SEB. | DSEA | RPAC, RMOT | RMOT is responsible for the review of design-basis external climatic hazards and should have in put to the PRA of these hazards. RPAC applies the same information to ESRP Sections 7.2 and 7.3. This ensures consistency between the SER and the FIS. | Rev.3 | Dec-15 | ML15089A068 |
| 19.1 | Determining the Technical Adequacy of Probabilistic Risk Results for Risk-Informed License Amendment Requests After Initial Fuel Load | DSRA | SPRA | Multiple | Multiple | | DSEA | RPAC | RPAC applies the same information to ESRP Sections 7.2 and 7.3. This ensures consistency between the SER and the EIS. | Rev 3 | Sep-12 | ML12193A107 |
| 19.2 | Review of Risk Information Used to Support Permanent Plant-Specific Changes to the Licensing Basis: General Guidance | DSRA | SPRA | MULTIPLE | MULTIPLE | | DSEA | RPAC | RPAC applies the same information to ESRP Sections 7.2 and 7.3. This ensures consistency between the SER and the EIS. | Rev. 3 | Jun-07 | ML071700658 |
| 19.3 | Regulatory Treatment of Non-Safety Systems (RTNSS) for Passive Advanced Light Water Reactors | DSRA | SPRA | DEIA, DSRA | MEB, SEB, SPRA, | MEB: branch contributes to the content of the SRP but is not the owner. MEB addresses pumps and valves that are in NSS for IST and mechanical qualification related topics. SEB: Structures are included in the scope and SEB provides support with the impact on structures. | DSEA | RMOT | RMOT can help verify the design basis wind speeds for RTNSS SSCs. | Rev. 0 | Jun-14 | ML14035A149 |

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| 19.4 | Strategies and Guidance to Address Loss-of-Large Areas of the Plant Due to Explosions and Fires | DSRA | SPSB | MULTIPLE | MULTIPLE | | | | | Rev. 0 | Jun-15 | ML13316B202 |
| 19.5 | Adequacy of Design features and functional capabilities identified and described for withstanding Aircraft Impacts | DSRA | SPSB | DEIA | SEB | Structures are included in the scope and SEB provides support with the impact on structures | | | | Rev. 0 | Apr-13 | ML12276A112 |