

## **ATTACHMENT 2**

## Early Site Permit Scope and Associated Review Guidance for Site Safety Assessment

Area of Review	Primary Review Branch	Secondary Review Branch	Guidance Section	NUREG-0800 Section	Sample Safety Evaluation Section	Comment/Additional Guidance
Primary Review Branch: SPSB						
Site Location and Description	SPSB	IEPB	2.1.1	N/A	2.1.1	.
Exclusion Area Authority and Control	SPSB	IEPB	2.1.2	N/A	2.1.2	See NRC letter dated August 27, 2003 (ML032120350) for additional information on this subject
Population Distribution	SPSB	IEPB	2.1.3	N/A	2.1.3	
Identification of Potential Hazards in Site Vicinity	SPSB	None	2.2.1 2.2.2	N/A	2.2.1	
Evaluation of Potential Accidents	SPSB	None	2.2.3	N/A	2.2.3	
Regional Climatology	SPSB	None	2.3.1	N/A	2.3.1	
Local Meteorology	SPSB	None	2.3.2	N/A	2.3.2	
Onsite Meteorological Measurement Programs	SPSB	None	2.3.3	N/A	2.3.3	
Short-term Dispersion Estimates for Accidental Atmospheric Releases	SPSB	None	2.3.4	N/A	2.3.4	
Long-Term Diffusion Estimates	SPSB	IEPB	2.3.5	N/A	2.3.5	
Aircraft Hazards	SPSB	None	3.5.1.6	N/A	3.5.1.6	Guidance focuses on accidental aircraft hazards rather than the likelihood or consequences of an intentional aircraft attack

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Radiological Consequences of Design Basis Accidents	SPSB	None	15.0	N/A	15.0	See NRC letters dated February 5, 2003 (ML030210341) and June 20, 2003 (ML031150617) for additional information on this subject
Primary Review Branch: EMEB						
Hydrologic Description	EMEB	None	2.4.1	N/A	2.4.1	
Floods	EMEB	None	2.4.2	N/A	2.4.2	
Probable Maximum Flood (PMF) on Streams and Rivers	EMEB	None	2.4.3	N/A	2.4.3	
Potential Dam Failures	EMEB	None	2.4.4	N/A	2.4.4	
Probable Maximum Surge and Seiche Flooding	EMEB	None	2.4.5	N/A	2.4.5	
Probable Maximum Tsunami Flooding	EMEB	None	2.4.6	N/A	2.4.6	
Ice Effects	EMEB	None	2.4.7	N/A	2.4.7	
Channel Diversions	EMEB	None	2.4.9	N/A	2.4.9	
Low Water Considerations	EMEB	None	2.4.11	N/A	2.4.11	
Groundwater	EMEB	None	2.4.12	N/A	2.4.12	
Accidental Releases of Liquid Effluents in Ground and Surface Waters	EMEB	IEPB	2.4.13	N/A	2.4.13	

Area of Review	Primary Review Branch	Secondary Review Branch	Guidance Section	NUREG-0800 Section	Sample Safety Evaluation Section	Comment/Additional Guidance
Basic Geologic and Seismic Information	EMEB	None	Note 1	2.5.1	2.5.1	Additional applicable guidance: Regulatory Guides 1.132, 1.138, and 1.198. References to Civil Engineering and Geosciences Branch (ECGB) should be changed to Mechanical and Civil Engineering Branch (EMEB).
Vibratory Ground Motion	EMEB	None	Note 1	2.5.2	2.5.2	Additional applicable guidance: Regulatory Guides 1.132, 1.138, and 1.198. References to Civil Engineering and Geosciences Branch (ECGB) should be changed to Mechanical and Civil Engineering Branch (EMEB).
Surface Faulting	EMEB	None	Note 1	2.5.3	2.5.3	Additional applicable guidance: Regulatory Guides 1.132, 1.138, and 1.198. References to Civil Engineering and Geosciences Branch (ECGB) should be changed to Mechanical and Civil Engineering Branch (EMEB).
Stability of Subsurface Materials and Foundations	EMEB	None	2.5.4	N/A	2.5.4	
Stability of Slopes	EMEB	None	2.5.5	N/A	2.5.5	
Primary Review Branch: IEPB						
Emergency Planning	IEPB	SPSB	13.3	N/A	13.3	
Quality Assurance Measures	IEPB	EMEB SPSB	17.1.1	N/A	17.1.1	
Primary Review Branch: NSIR						
Physical Security	NSIR	None	Note 2	N/A	13.6	

NOTE 1: No guidance sections are provided in this RS for SER Sections 2.5.1, 2.5.2, and 2.5.3. Reviewers should use the identified sections of NUREG-0800 as guidance for reviews of the associated subject areas.

NOTE 2: In lieu of a guidance section on physical security in this RS, the NRC staff has provided guidance to the first three prospective ESP applicants by three substantially identical letters (ML030980003, ML030980029, and ML030980083). Staff reviewers should use these letters for review guidance for the ESP applications to which they apply. However, the NRC's security orders referenced in the letters are, by their nature, subject to modification depending on changes in the terrorist threat. The security orders do not form part of the licensing basis of the early site permit and should not be imposed as conditions of prospective permits. Therefore, the security review of ESP applications should be based on the requirements of 10 CFR Parts 100 and 73 or other applicable existing regulations. The staff will develop generic review guidance for this subject in the future.