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Nota di contenuto	Guidelines for Consequence Analysis of Chemical Releases; Contents; Preface; Acknowledgments; 1989 CPQRA Guidelines Acknowledgments; Acronyms; 1 Introduction; 1.1 CPQRA Definitions; 1.2. Consequence Analysis; 2 Source Models; 2.1. Discharge Rate Models; 2.1.1. BACKGROUND; 2.1.2. DESCRIPTION; 2.1.3. EXAMPLE PROBLEMS; 2.1.4. DISCUSSION; 2.2. Flash and Evaporation; 2.2.1. BACKGROUND; 2.2.2. DESCRIPTION; 2.2.3. EXAMPLE PROBLEMS; 2.2.4. DISCUSSION; 2.3. Dispersion Models; 2.3.1. NEUTRAL AND POSITIVELY BUOYANT PLUME AND PUFF MODELS; 2.3.2. DENSE GAS DISPERSION; 3 Explosions and Fires 3.1. Vapor Cloud Explosions (VCE)3.1.1. BACKGROUND; 3.1.2. DESCRIPTION; 3.1.3. DISCUSSION; 3.1.4. EXAMPLE PROBLEMS; 3.2. Flash Fires; 3.3. Physical Explosion; 3.3.1. BACKGROUND; 3.3.2. DESCRIPTION; 3.3.3. EXAMPLE PROBLEMS; 3.3.4. DISCUSSION; 3.4. BLEVE and Fireball; 3.4.1. BACKGROUND; 3.4.2. DESCRIPTION; 3.4.3. EXAMPLE PROBLEMS; 3.4.4. DISCUSSION; 3.5. Confined Explosions; 3.5.1. BACKGROUND; 3.5.2. DESCRIPTION; 3.5.3. EXAMPLE PROBLEM;

3.5.4. DISCUSSION; 3.6. Pool Fires; 3.6.1. BACKGROUND; 3.6.2. DESCRIPTION; 3.6.3. EXAMPLE PROBLEM; 3.6.4. DISCUSSION; 3.7. Jet Fires; 3.7.1. BACKGROUND
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5.4. Discussion
6 Modeling Systems; References; Appendix: CD ROM; Glossary; Index

Sommario/riassunto

This Guidelines book provides technical information on how to conduct a consequence analysis to satisfy your company's needs and the EPA rules. It covers quantifying the size of a release, dispersion of vapor clouds to an endpoint concentration, outcomes for various types of explosions and fires, and the effect of the release on people and structures. Special Details: Includes CD-ROM with example problems worked using Excel and Quattro Pro. For use with Windows 95, 98, and NT.
