1. Record Nr. UNISA996212703303316

Titolo	Guidelines for evaluating the characteristics of vapor cloud explosions, flash fires, and BLEVEs [[electronic resource]]
Pubbl/distr/stampa	New York, N.Y., : Center for Chemical Process Safety of the American Institute of Chemical Engineers, c1994
ISBN	1-282-81734-5 9786612817342 0-470-93815-3 1-59124-630-X 0-470-93814-5
Descrizione fisica	1 online resource (401 p.)
Disciplina	363.3497 660.2804 660/.2804
Soggetti	Explosions Fires
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Description based upon print version of record.
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Guidelines for Evaluating the Characteristics of Vapor Cloud Explosions, Flash Fires, and BLEVEs; CONTENTS; Acknowledgments; A Note on Nomenclature and Units; Glossary; 1. INTRODUCTION; 2. PHENOMENA: DESCRIPTIONS, EFFECTS, AND ACCIDENT SCENARIOS; 3. BASIC CONCEPTS; 4. BASIC PRINCIPLES OF VAPOR CLOUD EXPLOSIONS; 5. BASIC PRINCIPLES OF FLASH FIRES; 6. BASIC PRINCIPLES OF BLEVEs; 7. VAPOR CLOUD EXPLOSIONS-SAMPLE PROBLEMS; 8. FLASH FIRES-SAMPLE PROBLEMS; 9. BLEVEs-SAMPLE PROBLEMS; APPENDIX A. VIEW FACTORS FOR SELECTED CONFIGURATIONS; APPENDIX B. EFFECTS OF EXPLOSIONS ON STRUCTURES APPENDIX C. EFFECTS OF EXPLOSIONS ON HUMANSAPPENDIX D. TABULATION OF SOME GAS PROPERTIES IN METRIC UNITS; APPENDIX E. CONVERSION FACTORS TO SI FOR SELECTED QUANTITIES; APPENDIX F. CASE STUDY OF GAS EXPLOSIONS IN A PROCESS PLANT USING A THREE-DIMENSIONAL COMPUTER CODE; INDEX

Sommario/riassunto	The serious consequences of vapor cloud explosions, flash fires, and BLEVEs are very well known. Better understanding of the characteristics of these phenomena and models to calculate their consequences are key to effective prevention and mitigation. Cited by EPA in its 1996 document, ""Off-site Consequence Analysis Guidance, "" the first half of the book describes the characteristics of these phenomena and gives an overview of past experimental and theoretical research and methods to estimate consequences. The second part focuses on methods for consequence estimating by presenting sample prob

2. Record Nr. UNINA9910139398703321

Titolo	Carbon capture : sequestration and storage / / editors, R.E. Hester and R.M. Harrison
Pubbl/distr/stampa	Cambridge, UK, : RSC Pub., c2010
ISBN	1-62870-148-X 1-84755-971-9
Edizione	[1st ed.]
Descrizione fisica	1 online resource (325 p.)
Collana	Issues in environmental science and technology, , 1350-7583 ; ; 29
Altri autori (Persone)	HesterR. E (Ronald E.) HarrisonRoy M. <1948->
Disciplina	628.532
Soggetti	Carbon dioxide sinks Carbon sequestration
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Description based upon print version of record.
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Carbon Capture and Storage_OFC_Publicity; i_iv; v_vi; vii_xii; xiii_xiv; xv_xvi; 001_040; 041_064; 065_101; 102_125; 126_154; 155_178; 179_202; 203_239; 240_284; 285_300; 301_308
Sommario/riassunto	It is widely recognised that global warming is occurring due to increasing levels of carbon dioxide and other greenhouse gases in the atmosphere. Methods of capturing and then storing CO2 from major sources such as fossil-fuel-burning power plants are being developed to reduce the levels emitted to the atmosphere by human activities. The book reports on progress in this field and provides a context within the

range of natural absorption processes in the oceans and forests and in soil. Comparisons with alternative energy sources such as solar and nuclear are made and policy issues are also revi