1. Record Nr. UNINA9910877044503321

Titolo	Understanding atmospheric dispersion of accidental releases / / George E. DeVaull ... [et al.]
Pubbl/distr/stampa	New York, : Center for Chemical Process Safety of the American Institute of Chemical Engineers, 1995
ISBN	9786612817274 9781282817272 1282817272 9780470937990 0470937998 9780470937983 047093798X 9781591245865 1591245869
Descrizione fisica	1 online resource (60 p.)
Collana	CCPS concept book
Altri autori (Persone)	DeVaullG. E
Disciplina	628.53
Soggetti	Atmospheric diffusion Vapors - Environmental aspects Industrial accidents Hazardous substances - Environmental aspects
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.
Nota di contenuto	Understanding Atmospheric Dispersion of Accidental Releases; Contents; Preface; Nomenclature; 1. Introduction; 1.1. Purpose; 1.2. Release/Dispersion Scenario Overview; 1.3. Hazards; 2. Meteorology; 2.1 The Atmosphere; 2.2. Turbulence in the Atmosphere; 2.3. Mechanically Generated Turbulence'; 2.4. Vertical Density Stratification and Buoyancy; 2.5. Atmospheric Stability Classifications; 2.6. Similarity Scaling in the Atmospheric Boundary Layer; 2.7. Changes over Time in the Atmospheric Boundary Layer; 3. Source Estimates-Leaks and Ruptures; 3.1. Leaks and Small Holes 3.2. Phase Changes in Released Fluids3.3. Aerosol Formation in Liquid

	or Flashing Liquid Releases; 3.4. Transient Vessel Inventory Loss; 3.5. Catastrophic Vessel Failures; 4. Sources-Liquid Pools; 4.1. Boiling Liquid Pools; 4.2. Evaporation of Volatile Liquids; 4.3. Evaporation of Relatively Nonvolatile Liquids; 4.4. Multicomponent Mixture Spills; 5. Buoyant and Dense-Gas Jet Releases; 5.1 Jet Length Scales; 5.2. Momentum and Buoyancy; 5.3. The Effect of Wind and Ambient Turbulence; 6. Low-Velocity Dense-Gas Releases; 6.1. Source Specification; 6.2. Source Area Region 6.3. Stably-Stratified Region6.4. Passive Dispersion Region; 7. Passive Dispersion; 7.1. The Mechanics of Turbulent Dispersion; 7.2. Passive Dispersion from Elevated Releases; 7.3. Near-Ground Passive Dispersion; 7.4. Dispersion Averaging Times; 8. Complex Flow Considerations; 8.1. Building Wakes and Stack Downwash; 8.2. Gravity-Driven Flows and the Effects of Terrain; 8.3. Aerosol Rainout; 8.4. Fanning Plumes and Subsidence; 9. Hazard Evaluations; 9.1. Chemical Toxicity; 9.2. Flammability; 10. Computer Models; References
Sommario/riassunto	A brief introduction to a complex topic, giving a description of the processes involved in an accidental or emergency release and the resulting downwind transport and dilution of gases, vapors, and aerosols.

2. Record Nr. UNINA9910149533503321

Autore	Dashner James
Titolo	The hunt for dark infinity : The 13th reality series, book 2. / / James Dashner
Pubbl/distr/stampa	2014
ISBN	1-60641-616-2
Descrizione fisica	1 online resource
Collana	The 13th Reality, ; 2.
Classificazione	JUV037000
Disciplina	[Fic]
Soggetti	Space and time Adventure and adventurers Science fiction
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Sommario/riassunto	It's been a quiet summer for Tick, Paul, and Sofia, but the latest message from Master George changes everything. The Realities are in danger—and from something more terrible than Mistress Jane and the mutated Chi'karda of the Thirteenth Reality. People from all Realities are unexplainably going insane. Worse, some Realities are fragmenting, disintegrating into nothingness. Master George has learned that Mr. Chu from the Fourth Reality is working on a mysterious new weapon called Dark Infinity. But no one has any idea how to stop the weapon—or even if it can be stopped. To make matters worse, Tick and his friends have been kidnapped, forced to wink from Reality to Reality, solving impossible riddles in order to survive the deadly traps surrounding them. Mistress Jane and Tick find themselves in a race to reach the weapon first—but who will destroy it and who will become its master?