

1. Record Nr.	UNINA9910830450803321
Titolo	Understanding atmospheric dispersion of accidental releases [[electronic resource] /] / George E. DeVaulI ... [et al.]
Pubbl/distr/stampa	New York, : Center for Chemical Process Safety of the American Institute of Chemical Engineers, 1995
ISBN	1-282-81727-2 9786612817274 0-470-93799-8 0-470-93798-X 1-59124-586-9
Descrizione fisica	1 online resource (60 p.)
Collana	CCPS concept book
Altri autori (Persone)	DeVaulIG. 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.

UNIORUON00051769

Titolo

Kerun Toyo Bijutsukan Kogei, Chokoku = Applied arts and sculptures in the Museum of East Asian Art, Cologne

Pubbl/distr/stampa

Tokyo, : Bungakuzai Hozon Shufuku Gakumai, 1999

Descrizione fisica

190 p. : ill. ; 28 cm.

Classificazione

GIA IX M

Soggetti

Arte giapponese - Collezioni e musei - Europa
SCULTURA GIAPPONESE - COLLEZIONI E MUSEI

Lingua di pubblicazione

Tedesco
Giapponese

Formato

Materiale a stampa

Livello bibliografico

Monografia