

1. Record Nr.	UNINA9910143563303321
Titolo	Transforming sustainability strategy into action [[electronic resource] ] : the chemical industry // edited by Beth Beloff, Marianne Lines, Dickson Tanzil
Pubbl/distr/stampa	Hoboken, N.J., : Wiley-Interscience, c2005
ISBN	1-280-23560-8 9786610235605 0-470-31525-3 0-471-75613-X 1-60119-844-2 0-471-75598-2
Descrizione fisica	1 online resource (569 p.)
Altri autori (Persone)	BeloffBeth <1947-> LinesMarianne <1954-> TanzilDickson <1973->
Disciplina	338.4766 660/.068/2
Soggetti	Chemical industry - Environmental aspects - Management Sustainable development Industrial management - Environmental aspects Electronic books.
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	TRANSFORMING SUSTAINABILITY STRATEGY INTO ACTION; CONTENTS; Foreword; Preface; Acknowledgments; 1 Introduction; 1.1 Organization of the Book; Reference; 2 Addressing Sustainability in the Chemical Industry; 2.1 Introduction; 2.2 Understanding the Chemical Industry; 2.2.1 Sector Profile; 2.2.2 Contribution to the Economy; 2.3 Drivers of Sustainability; 2.3.1 Chemical Sector Survey; 2.3.2 Survey and Focus Groups Key Findings; 2.3.3 Current Status of Sustainability Programs; 2.4 The Role of Responsible Care® in Advancing Sustainable Development; 2.4.1 Public Trust and Environmental Performance 2.5 Challenges AheadReferences; 3 Views on Key Issues Facing the

Chemical Industry; 3.1 Overview; 3.2 The Chemical Industry and the Public: Will the Chemical Experiment Continue?; 3.3 Risk Assessment; 3.3.1 Chemical Risk Assessment as Used in Setting Regulatory Levels or Standards; 3.3.2 The Limits of a Risk Assessment-Based Approach to Sustainability in the Chemical Industry and the Need for a New Paradigm Based on Precaution; 3.4 Limits of Risk Management and the New Chemicals Policies; 3.4.1 Conventional Chemical Risk Management Policies; 3.4.2 New European Chemicals Policies 3.4.3 New International Chemicals Policies 3.5 Impacts to Human Health and the Environment; 3.5.1 The Challenge of PBTs for the Chemical Industry; 3.5.2 Hormone Disrupting Chemicals (Endocrine Disruptors); 3.6 Impacts of, and Issues Associated with, Chemical Production from Manufacture to Final Use and Disposal; 3.6.1 Use of Natural Resources and Releases to Air and Water and Waste Generation; 3.6.2 Environment, Health and Safety Issues and Policies; 3.7 Closing the Gap on Chemical Plant Security; 3.7.1 Doing the Right Thing; 3.7.2 The Human Factor; 3.7.3 Implementation is a Weak Point 3.7.4 Need to Look Offshore 3.8 Economic Issues and Competitiveness; References; 4 Planning for Sustainability; 4.1 Planning Overview; 4.1.1 Planning Framework; 4.1.2 Corporate Sustainability Learning Curve; 4.2 GEMI's Approach to Sustainable Development Planning; 4.2.1 Planning Framework; 4.2.2 Who Should Use SD Planner™?; 4.2.3 Company Experience with SD Planner™; 4.2.4 Conclusion; 4.3 Environmental Management Systems (EMS) Frameworks for Sustainability; 4.3.1 Expansion of Environmental Management Systems to Address Sustainability 4.3.2 The American Chemistry Council's Responsible Care® Management System 4.3.3 EMAS versus ISO 14001; 4.3.4 Occupational Health and Safety Assessment Series (OHSAS 18001:1999); 4.3.5 Using Six Sigma Management Initiatives; 4.4 The Natural Step Framework: Backcasting from Principles of Sustainability; 4.4.1 "Backcasting" from Principles of Success: Introduction to The Natural Step Framework and Approach; 4.4.2 Understanding Complex Systems and Thinking Upstream: Rationale for the Principles of The Natural Step Framework 4.4.3 Applying The Natural Step Framework: A Strategic Sustainable Development Decision-Making Process

---

Sommario/riassunto

"A highly informative and brilliant contribution to the growing sustainability literature."-Dr. Brian and Mary Nattrass Managing Partners of Sustainability Partners and authors of The Natural Step for Business and Dancing with the Tiger The goal of sustainable development, a recent focus in the corporate world, is to "ensure a better quality of life for everyone today and in generations to come." The challenge facing industry leaders is how to reconcile economically competitive strategies with environmentally sound and socially responsible practices. Transforming Sustaina

---