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Descrizione fisica	1 online resource (569 p.)
Altri autori (Persone)	BeloffBeth <1947-> LinesMarianne <1954-> TanzilDickson <1973->
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Soggetti	Chemical industry - Environmental aspects - Management Sustainable development Industrial management - Environmental aspects
Lingua di pubblicazione	Inglese
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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 Policies3.5 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 Offshore3.8 Economic Issues and Competitiveness;  
References; 4 Planning for Sustainability; 4.1 Planning Overview; 4.1.1  
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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 System4.3.3 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

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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 TigerThe 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

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