

Contributing Editors MARTIN BENNETT AND PETER JAMES



Contents

Acknowledgements	7
Forewords	9
Jan-Olaf Willums, Storebrand	
William Blackburn, Baxter International	
Ian Ash, BT	
Susan McLaughlin, US Environmental Protection Agency	
Jacqueline Aloisi de Larderel, United Nations Environment Programme	
Introduction	15
Martin Bennett, University of Wolverhampton, UK,	
and Peter James, Sustainable Business Centre, Congleton, UK	
Part One: General Concepts	
The Green Bottom Line	30
Martin Bennett, University of Wolverhampton, UK,	
and Peter James, Sustainable Business Centre, Congleton, UK	
${f \gamma}$ An Introduction to Environmental Accounting as a	61
2 An Introduction to Environmental Accounting as a Business Management Tool: Key Concepts and Terms US Environmental Protection Agency	
US Environmental Protection Agency	
3 Calculating the True Profitability of Pollution Prevention Stefan Schaltegger, University of Basel, Switzerland	86
${\cal O}$ Stefan Schaltegger, University of Basel, Switzerland,	
and Kaspar Müller, Ellipson Ltd. Basel, Switzerland	
4 Integrating Environmental Impacts into Capital Investment Decisions	100
Investment Decisions	
Marc J. Epstein, INSEAD, Fontainebleau, France,	
and Marie-Josée Roy, École Polytechnique de Montréal and CIRANO, Canada	
💭 Valuing Potential Environmental Liabilities for	115
5 Valuing Potential Environmental Liabilities for Managerial Decision-Making: A Review of Available Techniques	
US Environmental Protection Agency	
C The Italian Method of Environmental Accounting	129
${f O}$ Matteo Bartolomeo, Fondazione Eni Enrico Mattei, Milano, Italy	
7 Environmental Management Accounting in the Netherlands	139
Ian Jaap Bouma Frasmus Centre for Environmental Studies Rotterdam Nethe	erlands
8 Cost Allocation: An Active Tool for Environmental Management Accounting?	152
O Management Accounting?	
Roger L. Burritt, The Australian National University, Canberra, Australia	
Part Two: Empirical Studies	
O Green Ledgers: An Overview	164
J Darvl Ditz Janet Ranganathan and R. Darryl Banks	

V Daryl Ditz, Janet Ranganathan and R. Darryl Banks, World Resources Institute (WRI), Washington, DC, USA

10	Environmental Cost Accounting for Chemical and Oil Companies: A Benchmarking Study	188
	David Shields, Thunderbird, AZ, USA, and Beth Beloff and Miriam Heller, University of Houston, USA	
11	Applying Environmental Accounting to Electroplating Operations: An In-Depth Analysis Mark Haveman and Terry Foecke, Waste Reduction Institute for Training and	212
	Applications Research (WRITAR), St Paul, MN, USA	
	Reducing the Uncertainty in Environmental Investments: Integrating Stakeholder Values into Corporate Decisions Graham Earl, Tuula Moilanen and Roland Clift, University of Surrey, UK	236
13	Shared Savings and Environmental Management Accounting: Innovative Chemical Supply Strategies Thomas J. Bierma, Frank L. Waterstraat and Joyce Ostrosky, Illinois State University,	258 USA
14	Environmental Accounting in an Investment Analysis Context: Total Cost Assessment at a Small Lithographic Printer <i>Edward D. Reiskin, Deborah E. Savage and David A. Miller,</i> <i>The Tellus Institute, Boston, MA, USA</i>	274
Part ⁻	Three: Case Studies	
15	Making Environmental Management Count: Baxter International's Environmental Financial Statement Martin Bennett, University of Wolverhampton, UK, and Peter James, Sustainable Business Centre, Congleton, UK	294
16	Full-Cost Accounting for Decision-Making at Ontario Hydro US Environmental Protection Agency	310
1/	Environmental Accounting at Sulzer Technology Corporation Georg Schroeder, Sulzer Hydro, Zürich, Switzerland, and Matthias Winter, IMD, Lausanne, Switzerland	333
18	Life-Cycle Costing and Packaging at Xerox Ltd Martin Bennett, University of Wolverhampton, UK, and Peter James, Sustainable Business Centre, Congleton, UK	347
19	The Cost of Waste at Zeneca Martin Bennett, University of Wolverhampton, UK, and Peter James, Sustainable Business Centre, Congleton, UK	362
20	The Road Not Taken: Acting on 'Beyond Environmental Compliance' in Managerial Decision-Making Timothy T. Greene, Vanderbilt University, Nashville, TN, USA	373
Part	Four: Implementation	
21	How to Implement Environment-Related Management Accounting Martin Bennett, University of Wolverhampton, UK, and Peter James, Sustainable Business Centre, Congleton, UK	392
	Bibliography	397
	Author Biographies	411
	Index	417