



## Environmental Accounting Resource Listing

Revised March 1996

**Produced by the  
EPA's  
Environmental  
Accounting  
Project:  
Promoting  
Improved  
Management  
Accounting and  
Capital  
Budgeting for  
Environmental  
Costs.**

This resource listing presents selected information sources and includes ordering information and cost (if applicable). Most of these sources are non-EPA sources. A listing of all documents on this topic written by EPA's Environmental Accounting Project can be obtained by calling the Pollution Prevention Information Clearinghouse at (202) 260-1023.

The information in this resource list is obtained from industry and government sources believed to be reliable. The Accounting Project created this resource listing to provide information on non-EPA environmental accounting resources to those active or interested in environmental accounting. The analyses and summaries, nor the contents of the resources, necessarily reflect EPA's views.

If you know of additional materials that should be included in future revisions of this resource guide, please send a copy of the material and a short narrative including the title, short description of the material, contact information, cost if any, and publication date to:

Holly Elwood  
US EPA  
Pollution Prevention Division (7409)  
401 M Street, SW  
Washington, DC 20460  
Fax: (202) 260-0178  
e-mail: [elwood.holly@epamail.epa.gov](mailto:elwood.holly@epamail.epa.gov)

## *TABLE OF CONTENTS*

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<u>Topic</u>	<u>Page</u>
Bibliographies .....	3
Curricula .....	3
Corporate Environmental Accounting .....	4
Background .....	4
Guides .....	6
Studies/Analyses .....	7
Surveys .....	10
General Corporate Case Studies .....	11
Industry-Specific Resources .....	11
Specific Chemical-Use Resources .....	12
Management Approaches to Implementing Environmental Accounting .....	12
Activity-Based Costing .....	12
Total Quality Management .....	13
Total Cost Accounting .....	13
Environmental Accounting for the Public Sector .....	14

# ENVIRONMENTAL ACCOUNTING RESOURCE LISTING

## BIBLIOGRAPHIES

### Resource Description

### Contact Information

**\*1. Annotated Bibliography of Accounting-Related Pollution Prevention Sources**

Jennifer Wulfstate, Ron Beech, and Tricia Ferrell (October, 1994). This annotated bibliography is a guide to issues and literature in the field of corporate environmental accounting. It is divided into the following sections: Other bibliographies, Management (financial, managerial, national income, and general accounting), Auditing, and General. This document builds on and complements a similar annotated bibliography published in 1992 by the United Nations. Information on obtaining many of the materials described appears in the bibliography's resource list.

National Pollution Prevention  
Center for Higher Education  
University of Michigan  
430 E. University, Dana Building  
Ann Arbor, MI 48109-1115  
Phone: (313) 764-1412  
Fax: (313) 936-2195  
E-mail: nppc@umich.edu

**\*2. An Update on Current Research and Recent Publications in Social and Environmental Accounting**

The Centre for Social and Environmental Accounting Research (January 1996). CSEAR is a network of individuals and organizations. This bibliography primarily lists research projects, recent publications, and discussion papers of Dundee-based researchers. CSEAR also maintains a separate list of publications of articles and papers written by K.J. Bebbington, and R.H. Gray. More information on CSEAR publications and activities is available on the CSEAR Home Page at <http://www.dundee.ac.uk/accountancy/csear.htm>.

Center for Social and Environmental  
Accounting Research  
University of Dundee  
Dundee, DD1 4HN  
United Kingdom  
Phone: 44-01382-344789  
Fax: 44-01382-24419  
e-mail [r.h.gray@dundee.ac.uk](mailto:r.h.gray@dundee.ac.uk)

**3. Environmental Accounting: Current Issues, Abstracts and Bibliographies (1992).** This United Nations publication is a guide to literature in the field of corporate environmental accounting. It focuses on financial reporting and national accounting. (E.92.II.A.23, \$15 plus \$3.50 shipping and handling).

United Nations, Publications Sales  
Room DC2-0853, Dept. 600  
2 United Nations Plaza  
New York, NY 10017  
Phone: (212) 963-8302  
Fax: (212) 963-3489

**4. The Institute of Management Accountants (IMA) library** has an extensive list of bibliographies on areas of interest to management accountants, including Activity-Based Costing, Capital Budgeting, and Environmental Accounting. The bibliographies are free to members and cost \$15 each for nonmembers.

For more information, call the IMA  
library at (201) 573-9000.

## CURRICULA

### Resource Description

### Contact Information

**\*5. Accounting Syllabi Related to Pollution Prevention**

National Pollution Prevention Center for Higher Education (August, 1994). This document includes syllabi for the following four courses: *Management of Environmental Issues*, Mark Cohen, Vanderbilt University; *Environmental Accounting*, Christopher Stinson, University of Texas; *Seminar on Environmental Accounting*, Donald E. Stone, University of Massachusetts; and *Waste Reduction, Treatment, and Disposal*, Mark White, University of Virginia.

National Pollution Prevention  
Center for Higher Education  
Dana Building, 430 E. University  
Ann Arbor, MI 48109-1115  
Phone: (313) 764-1412  
Fax: (313) 936-2195  
E-mail: nppc@umich.edu

## Resource Description

## Contact Information

\*6. **Homework Exam Problem: Overhead Allocation for Pollution Prevention** William Lanan (August, 1994). This three-hour exam question requires students to compare management decisions based on both traditional accounting methods and an alternative "two-stage allocation procedure" in which the first stage allocates costs to departments and the second stage allocates costs to products.

National Pollution Prevention  
Center for Higher Education  
University of Michigan  
Dana Building, 430 E. University  
Ann Arbor, MI 48109-1115  
Phone: (313) 764-1412  
Fax: (313) 936-2195  
E-mail: nppc@umich.edu

7. **Improving Your Competitive Position: Strategic and Financial Assessment of Pollution Prevention Projects -- Instructor's Guide and Training Manual** (1994). This instructor's guide and training manual provides an overview of capital budgeting and the objectives of financial analysis. The manuals define the parameters of cost information and describe the procedures and sources for gathering and developing this information. In addition, the manuals detail alternative methods for using cost data to perform financial analysis and explain the advantages and disadvantages of the different measures of profitability. The manuals also introduce various qualitative issues to be considered in conjunction with a financial analysis to determine the impact of a proposed project. The training manual costs \$7.50 for non-profit organizations and \$15 for profit-making organizations. The instruction guide costs \$15 for nonprofit organizations and \$30 for profit organizations.

Terri Goldberg  
P2 Program Manager  
NEWMOA  
129 Portland Street, 5th Floor  
Boston, MA 02114  
Phone: (617) 367-8558 x302

8. **Industrial Pollution Prevention Handbook**

This textbook is a guide for managers and engineers on how to implement a pollution prevention strategy. It contains two chapters that discuss total cost assessments. The first chapter provides a theoretical description of total cost assessment and includes three examples showing how TCA provides a clearer picture of the financial viability of investments. The other chapter reviews the purpose of managerial accounting information, the inadequacies of current accounting systems to provide useful managerial information, and proposals for environmental information enhancements to current systems to better reflect the environmental cost burden to the firm.

Customer Service  
McGraw-Hill, Inc.  
1221 Avenue of the Americas  
New York, NY 10020  
Phone: (800) 722-4726

## **CORPORATE ENVIRONMENTAL ACCOUNTING BACKGROUND**

## Resource Description

## Contact Information

\*9. **Accounting for the Cost of Risk**

Glenn A. MacCorkle (*Risk Management*, December, 1994). This article provides a brief history of the Risk Management Roundtable, a group within the Risk and Insurance Management Society (RIMS). The Roundtable has recently begun to develop an accounting guideline for cost of risk that would codify the method by which organizations collect risk-related data. In particular, the article describes Statement on Management Accounting (SMA) 4S, "Internal Accounting and Classification of Risk Management Costs," which was distributed to IMA subscribers and RIMS members in November 1993.

Risk Management Society  
Publishing, Inc.  
205 E 42nd Street  
New York, NY 10017  
Phone: (212) 286-9364

## CORPORATE ENVIRONMENTAL ACCOUNTING (Continued)

### Resource Description

### Contact Information

**\*10. Environmental Accounting and EMSs: Environmental Accounting Can Help Measure and Manage Environmental Performance**

Susan McLaughlin and Holly Elwood (*Pollution Prevention Review*, Spring 1996). This article asserts that environmental cost information is crucial to both the initial corporate acceptance and long-term sustainability of an environmental management system (EMS). The article discusses how to use environmental costs to promote development of an EMS, environmental accounting as a tool for creating metrics, financial versus impact metrics, developing and using environmental cost metrics, identifying environmental costs, activity-based costing, and the cost of quality. In addition, the article includes a substantial list of financial metrics being used by companies to illustrate environmental performance.

*Pollution Prevention Review*  
Executive Enterprise Publications  
22 W 21st Street, 10th Floor  
New York, NY 10010-6904  
Phone: (800) 831-8333

**\*11. Fact Sheet: Preventing Pollution Improves Your Bottom Line**

Alaska Department of Environmental Conservation (January, 1995). This two-page fact sheet available via Internet provides a basic overview of how pollution prevention can improve a company's performance. The fact sheet outlines examples of hidden costs associated with the use of hazardous chemicals, discusses how to take responsibility to prevent releases, and provides an overview of how to calculate the benefits of pollution prevention and where to go for additional information.

This fact sheet is available on the  
EnviroSenSe World Wide Web  
server at  
<http://es.inel.gov/techinfo/facts/alaskaak-fs06.html>

**12. Accounting for the Environment**

Rob Gray, Jan Bebbington, and Diane Walters (1993). This book provides a general introduction to environmental accounting including sources of advice, further reading, and information on the research process used to gain empirical evidence on the "greening" of the accountancy practice. ISBN 155876075X(hc) 1558760768(pb)

Markus Wiener Publishing  
114 Jefferson Road  
Princeton, NJ 08540  
Phone: (908) 225-2727

**13. Enviro-Management--How Smart Companies Turn Environmental Costs into Profits**

D. Keith Denton (1994). This book outlines the challenges and benefits of the new "green" corporate thinking by providing managers with tools to profit from better environmental management. The author discusses life cycle costing, full cost accounting, and using pollution management as a revenue generator. ISBN 0130735035

Prentice Hall  
Englewood Cliffs, NJ 07632  
Phone: (201) 592-2000

**14. Environmental Accounting: What's the Bottom Line?**

Elliot Berkihiser (July, 1993). 120 minute audio cassette and handouts. A presentation by Elliot Berkihiser, Chair of the Economic Council of the American Institute of Pollution Prevention, on defining and allocating costs and benefits (Cost \$10 plus \$1.50 shipping and handling, make check payable to PPRC)

PPRC Communications  
1326 Fifth Avenue, Suite 650  
Seattle, WA 98101  
Phone: (206) 223-1151  
Fax: (206) 223-1165

**15. Management Accounting (The Official Magazine of the Institute of Management Accountants)**

(February, 1994). This issue of this monthly journal has articles on accounting for environmental liabilities, deduction vs. capitalization of cleanup costs, activity-based and life cycle costing for environmental expenditures, and environmental management systems. (Cost \$10 per copy, \$20 yearly subscription for members, \$125 for non-members)

Institute of Management  
Accountants  
10 Paragon Drive  
Montvale, NJ 07645-1760  
Phone: (201) 573-9000  
Fax: (201) 573-0639

# CORPORATE ENVIRONMENTAL ACCOUNTING GUIDES

## Resource Description

## Contact Information

**16. Accelerating Corporate Investment in Cleaner Technologies Through Enhanced Managerial Accounting Systems**

Organization for Economic Cooperation and Development (1994). This report suggests how companies can modify current capital budgeting practices to ensure that clean technology projects receive an unbiased evaluation. Total cost accounting is described in detail and illustrated in two case studies.

Environmental Directorate, OECD  
2 rue André Pascal  
75775 Paris CEDEX 16  
France  
Attention: PPCD

**17. Cost Analysis for Pollution Prevention**

This four-page document, published by the Washington State Department of Ecology, describes a simple hand calculation to complete the net present value of a pollution prevention investment. It contains step-by-step directions. (R-HWTR-93-129)

Peggy Morgan  
Washington State Department of Ecology  
P.O. Box 47600  
Olympia, WA 98504-7600  
Phone: (206) 407-6752

**18. Environmental Cost Accounting: Key Definitions and Terms**

This ten-page paper developed by the Business Roundtable defines key terms commonly associated with environmental cost accounting. The definitions are intended to provide a brief overview on this topic and to illustrate the differences and relationships between various terms and techniques.

The Business Roundtable  
1615 L Street, NW  
Washington, D.C. 20036-5610  
Phone: (202) 872-1260  
(requests by mail are preferred)

**19. Environmental Cost Accounting: The Bottom Line for Environmental Quality Management**

William G. Russell, Steven L. Skalak, and Gail Miller (Spring, 1994). *Total Quality Environmental Management*, pp. 255-268. This article discusses current cost accounting systems available to support environmental management systems. (Cost \$159 to subscribe, \$39 for individual book issue)

John Wiley and Sons  
1 Wiley Drive  
Somerset, NJ 08875  
Phone: (800) 225-5945

**20. Environmental Strategies Handbook: A Guide to Effective Policies & Practices**

Edited by Rao V. Kolluru. The *Handbook* features contributions by more than 30 experts from the fields of environmental science, public health, business, and law. It offers insights into how industries can develop optimal environmental strategies and integrate them into long-term strategic plans to ensure growth and competitive advantage at the national and international levels. The *Handbook* also lists environmental regulatory agencies, industry associations, and environmental consulting firms and support groups that can assist managers and executives in profitably reconciling corporate ambitions with environmental stewardship and sustainable development.

McGraw-Hill, Inc.  
11 West 19th Street - 4th floor  
New York, NY 10011  
Attn: Tim Pletscher  
Phone: (800) 2-MCGRAW  
Fax: (212) 337-4092

**21. Environmental Stewardship: Management, Accountability and the Role of Chartered Accountants**

The Canadian Institute of Chartered Accountants (1993). The CICA Board of Governors accepted this report as providing guidance to the profession.

The Canadian Institute of Chartered Accountants  
277 Wellington Street West  
Toronto, Ontario M5V 3H2  
Canada  
Phone: (416) 204-3364  
Fax: (416) 204-3414

## CORPORATE ENVIRONMENTAL ACCOUNTING (Continued)

Resource Description	Contact Information
<p><b>22. Facility Guide for Pollution Prevention</b> An EPA Guide to Setting up an effective corporate pollution prevention program. EPA-600-R-92-088.</p>	<p>The Center for Environmental Research Information (CERI) 26 W. Martin Luther King Drive Cincinnati, OH 45628 Phone: (513) 569-7562 Fax: (513) 569-7566</p>
<p><b>23. Finding Cost-Effective Pollution Prevention Initiatives: Incorporating Environmental Costs Into Business Decision Making--A Primer</b> Global Environmental Management Initiative (1994). This primer on "finding cost-effective pollution prevention initiatives" explains how businesses can improve their decision making processes by using total quality environmental management principles. The book describes how to evaluate sustainable pollution prevention initiatives and other investment options by appropriately including environmental costs and savings for each option. The primer is intended to help a broad audience of professionals to improve their decision making skills using comprehensive cost information.</p>	<p>Global Environmental Management Initiative (GEMI) 2000 L Street, N.W., Suite 710 Washington, D.C. 20036 Phone: (202) 296-7449</p>
<p><b>24. A Primer for Financial Analysis of Pollution Prevention Projects</b> Introduces the time value of money concept into analysis of pollution prevention investments. EPA600-R-93-059</p>	<p>The Center for Environmental Research Information (CERI) 26 W. Martin Luther King Drive Cincinnati, OH 45628 Phone: (513) 569-7562 Fax: (513) 569-7566</p>

## CORPORATE ENVIRONMENTAL ACCOUNTING STUDIES/ANALYSES

Resource Description	Contact Information
<p><b>*25. Complying with SEC Requirements for Reporting Environmental Costs</b> Steven Humphreys, Esq. (<i>Environmental Business Advisor</i>, Vol. 1, Issue 1, Spring 1995). As the costs associated with environmental regulatory compliance and cleanup continue to rise for companies, the U.S. Securities and Exchange Commission (SEC) has made a commitment to become increasingly active in policing corporations' financial statements for proper disclosure and accounting of material losses and capital costs. This article briefly reviews the environmental costs that must be reported under SEC regulations and how these reporting obligations are triggered. The article then discusses some practical advice on how to avoid becoming a target in the SEC's enforcement initiative.</p>	<p><i>Environmental Business Advisor</i> Harcourt Brace Professional Publications 6277 Sea Harbor Drive Orlando, FL 32887 Phone: (800) 831-7799 Fax: (407) 363-9661</p>
<p><b>*26. Environment-related Management Accounting in North America and its Implications for BT</b> Martin Bennett and Peter James. This report examines current trends and practice in environment-related management accounting (ENVMAC) in North America and identifies eight options which can be taken forward by BT. It is based on interviews with seven regional telecommunications companies, six innovative companies in other sectors, and three policy-making and lobbying organizations.</p>	<p>Ashridge Management Research Group Berkhamsted, Hertfordshire HP4 1NS England Phone: +44 (0) 442 843491 Fax: +44 (0) 442 841181</p>

# CORPORATE ENVIRONMENTAL ACCOUNTING (Continued)

## Resource Description

## Contact Information

### \*27. Environmental Accounting: A Research Report

Johannes Lehmann (September, 1995). This report defines environmental accounting; discusses how corporations, governments, and research organizations are involved in environmental accounting; provides a state-of-the-art inventory of the different instruments of monetary environmental accounting; and gives examples of best practice. In the appendices, the author provides studies of conventional accounting systems, activity-based costing, and full cost accounting; and a survey of literature related to environmental accounting.

IMD International Institute for  
Management Development  
Chemin de Bellerive 23  
P.O. Box 915, CH-1001  
Lausanne, Switzerland  
Phone: +1 21.618 03 86  
Fax: +1 21/618 07 07

### \*28. Environmental Accounting for the Sustainable Corporation: Strategies and Techniques

Daniel Blake Rubenstein (1994). This book demonstrates how the emerging field of environmental accounting could serve the needs of corporations aspiring to be sustainable over the coming decades. Based on the author's research for the United Nations, a new methodology is advanced to compute fuller costs. In addition to practical guidance on the theory and practice of calculating these costs, the author illustrates alternatives to traditional capital budgeting models. A range of concepts and applications are offered on natural capital; intergenerational equity; waste minimization; asset depletion rates; application of risk-management principles to costing natural capital; off-balance sheet natural assets; modern definition of profit for natural and business capital. Pioneering reporting methods for returns on investment and product costs are recommended in the concluding chapters. (Cost \$55)

Quorum Books  
88 Post Road West  
Westport, CT 06881  
Phone: (203) 226-3571

### \*29. Environmental Liability Disclosure and Staff Accounting Bulletin No. 92

Richard Y. Roberts and Kurt R. Hohl (*The Business Lawyer*, Vol. 50, No. 1, November 1994). In an attempt to improve the accounting for and disclosure of environmental liabilities, the United States Securities and Exchange Commission's (SEC's) Division of Corporate Finance released Staff Accounting Bulletin No. 92 (SAB 92) in 1993. SAB 92 sets forth SEC's interpretation of GAAP with regard to contingent liabilities. This article briefly discusses accounting literature addressing contingent liability issues and assesses provisions of SAB 92, specifically addressing the issues of offsetting, discounting, and disclosures.

*The Business Lawyer*  
(ISSN #0007-6899)  
750 Lake Shore Drive  
Chicago, Illinois 60611

### \*30. Green and Competitive: Ending the Stalemate

Michael E. Porter and Claas van der Linde (*Harvard Business Review*, Sept.-Oct. 1995). This article suggests that the prevailing view of environmental regulation is informed by the assumption that there is an inherent and fixed trade-off: ecology versus the economy. The authors assert that this static view of regulation, in which everything except regulation is held constant, is incorrect. The article describes how properly designed environmental standards can trigger innovations that lower the total cost of a product or improve its value. A case study of the Dutch flower industry is used to support the authors' thesis.

Publishing Division  
Harvard Business School  
Boston, MA 02163  
Phone: (508) 934-3050



## CORPORATE ENVIRONMENTAL ACCOUNTING (Continued)

Resource Description	Contact Information
<p><b>*31. How Green Was My Balance Sheet?: Corporate Liability and Environmental Disclosure</b> John Bagby, Paula Murray, and Eric Andrews (<i>Virginia Environmental Law Journal</i>, Vol. 14, No. 2, Winter, 1995). This article examines how the use of greater financial disclosure of environmental liabilities can more effectively contribute to attainment of national environmental policy goals. The article is divided into three sections. The first section examines the disclosures required under the various environmental laws. The second section examines the use of financial statements to disclose environmental liabilities. The final section analyzes the way economic incentives adjust as environmental liabilities become more widely known.</p>	<p>University of Virginia School of Law Charlottesville, VA 22901 Phone: (804) 924-7354</p>
<p><b>*32. Issues and Research Opportunities in Environmental Accounting (WWZ-Discussion Papers, No. 9423)</b> Stefan Schaltegger and Christopher Stinson (November, 1995). This paper provides an overview of important issues in environmental accounting. The authors broadly define environmental accounting to include financial, managerial, tax, ecological, and regulatory accounting. The paper closes with a list of a number of possible research questions for academic accountants.</p>	<p>Christopher Stinson University of Texas Dept. of Accounting (CBA 4M.202) Austin, TX 78712-1172 Phone: (512) 471-5318 Fax: (512) 471-3904 E-mail: cstinson@mail.utexas.edu</p>
<p><b>*33. Managerial Accounting and Environmental Compliance Costs</b> Burt Hammer and Christopher H. Stinson (1994). This article reviews market and regulatory pressures for accurate allocation of environmental compliance costs, identifies various environmental compliance costs, and discusses typical drivers for some of these costs. Finally, the article briefly discusses practices that can facilitate developing and maintaining a successful environmental accounting system.</p>	<p>Christopher Stinson University of Texas Dept. of Accounting (CBA 4M.202) Austin, TX 78712-1172 Phone: (512) 471-5318 Fax: (512) 471-3904 E-mail: cstinson@mail.utexas.edu</p>
<p><b>*34. Measuring Corporate Environmental Performance: Best Practices for Costing and Managing an Effective Environmental Strategy</b> Marc J. Epstein (1996). - This book presents the results of an extensive field study of corporate environmental accounting performance. Both internal and public documents of over a hundred leading corporations were reviewed, with in-depth interviews and visits conducted at more than thirty top companies. The author describes the state of the art and best practices of corporate environmental performance.</p>	<p>The IMA Foundation for Applied Research 10 Paragon Drive Montvale, NJ 07645-1760 Phone: (800) 638-4427</p>
<p><b>35. Accounting for the Environment Management Accounting Issues Paper 1</b> The Society of Management Accountants of Canada (1992). This issue paper identifies key issues in environmental accounting and offers guidelines on improving environmental accountability. It also addresses the role of the management accountant in developing an environmental agenda and designing performance measures. In the near future, SMAC will be publishing environmental accounting guidance entitled, <b>Tools and Techniques of Environmental Accounting for Business Decisions</b>. (The issue paper and guidance document each cost \$15 for non-members)</p>	<p>The Society of Management Accountants of Canada (SMAC) 120 King Street West, Suite 850 P.O. Box 176 Hamilton, Ontario L8N 3C3 Canada Phone: (800) 520-4262</p>

## CORPORATE ENVIRONMENTAL ACCOUNTING (Continued)

Resource Description	Contact Information
<b>36. Alternative Approaches to the Financial Evaluation of Industrial Pollution Prevention Investments (Revised Executive Summary)</b> A. White and D. Savage (June, 1993). This document provides support for the idea that improved managerial accounting systems, including accurate measurement and allocation of both physical and cost aspects of waste generation, are essential for achieving a clear, unbiased perspective on the profitability of industrial pollution prevention investments.	Tellus Institute 11 Arlington Street Boston, MA 02116-3411 Phone: (617) 266-5400 Fax: (617) 266-8303
<b>37. Environmental Auditing and the Role of the Accounting Profession</b> The Canadian Institute of Chartered Accountants (1992). This research report of a Study Group discusses what services constitute environmental auditing, now and in the future, and provides recommendations to the accounting profession as to the roles it should play in environmental auditing. (Cost \$34.50)	The Canadian Institute of Chartered Accountants 277 Wellington Street West Toronto, Ontario M5V 3H2 Canada Phone: (416) 204-3364 Fax: (416) 204-3414
<b>38. Environmental Costs and Liabilities: Accounting and Financial Reporting Issues</b> The Canadian Institute of Chartered Accountants (1993). This research report of a Study Group discusses information needs and presents proposals and positions on accounting for and reporting on environmental issues. (Cost \$34.50)	The Canadian Institute of Chartered Accountants 277 Wellington Street West Toronto, Ontario M5V 3H2 Canada Phone: (416) 204-3364 Fax: (416) 204-3414
<b>39. Reporting on Environmental Performance</b> The Canadian Institute of Chartered Accountants (1993). The purpose of this discussion paper was to stimulate comments on issues relating to reporting on environmental performance. The paper explores factors influencing organizations' decisions to report information on environmental performance and provides a generalized framework for organizing such information. (Cost \$37.50)	The Canadian Institute of Chartered Accountants 277 Wellington Street West Toronto, Ontario M5V 3H2 Canada Phone: (416) 204-3364 Fax: (416) 204-3414

## CORPORATE ENVIRONMENTAL ACCOUNTING SURVEYS

Resource Description	Contact Information
<b>40. Accounting for Environmental Compliance: Crossroad of GAAP, Engineering, and Government: A Survey of Corporate America's Accounting for Environmental Costs</b> (1992). This report is the second Price Waterhouse survey of accounting practices for environmental compliance and related management issues.	Dean Petracca Environmental Services, Price Waterhouse 600 Grant Street Pittsburgh, PA 15219 Phone: (412) 355-6000
<b>41. Business Environmental Cost Accounting Practices Survey: Summary of Responses</b> (1994). This report includes a summary of the survey responses on environmental cost accounting practices. The survey was distributed at the GEMI 1994 conference.	Bristol-Myers Squibb Company P.O. Box 182 E. Syracuse, NY 13057 Phone: (315) 432-2731 Fax: (315) 432-4761

## *CORPORATE ENVIRONMENTAL ACCOUNTING (Continued)*

Resource Description	Contact Information
<b>42. Coming Clean: Corporate Environmental Reporting</b> (1992). This survey report was published by Deloitte Touche Tohmatsu International, the International Institute for Sustainable Development and Sustainability. The Green Growth Company reviews environmental disclosure information reported by companies worldwide. The report identifies best practices and business motives for disclosure and concludes that many companies are "ill prepared" to respond to growing disclosure needs and that pressures for more disclosure will continue to grow. (Cost \$25)	Erik Gilberg Deloitte Touche 50 Fremont Street, Suite 2800 San Francisco, CA 94105 Phone: (415) 247-4872

## **GENERAL CORPORATE CASE STUDIES**

Resource Description	Contact Information
<b>*43. Environmental Accounting: Principles for the Sustainable Enterprise</b> A.L. White, D.E. Savage, and A. Dierks (1995). This paper, originally presented at the 1995 TAPPI International Environmental Conference in Atlanta, presents three case studies from large manufacturing firms. The case studies illustrate the importance of good environmental cost accounting in the realm of project financial analysis for capital budgeting. The environmental projects described encompass capital budgeting initiatives on three levels: 1) the facility level; 2) the divisional level; and 3) the corporate level.	Tellus Institute 11 Arlington Street Boston, MA 02116-3411 Phone: (617) 266-5400 E-mail: adierks@tellus.com
<b>44. Polaroid: Managing Environmental Responsibilities and Their Costs</b> (N9-194-052) Harvard Business School (December, 1993). Written by Richard D. Stark under the supervision of Professors Mary E. Barth and Marc J. Epstein. A case prepared for class discussion. (Cost \$5.25)	Publishing Division Harvard Business School Boston, MA 02163 Phone: (617) 495-6117
<b>45. Teaching Case Studies Applicable to Full Cost Accounting and Capital Budgeting</b> The Management Institute for Environment and Business have three teaching case studies: Bayerische Motoren Werke (BMW); AT&T; and Tempes (fictional company). In addition, MIEB provides a case study of Industrial Products, Inc. (a fictional company) to demonstrate the measurement of environmental performance and the ISO 14000 Series Standards. The case studies cost \$5 each and should be requested by the name of the company.	Rebeckah Paulson 1220 16th Street, N.W. Washington, D.C. 20036 Phone: (202) 833-6556 Fax: (202) 833-6228 E-mail: mebbell@aol.com

## **INDUSTRY-SPECIFIC RESOURCES**

Resource Description	Contact Information
<b>46. Background Discussion of Total Cost Accounting Within Petroleum Operations</b> This four-page paper developed by the American Petroleum Institute's Pollution Prevention Task Force explains the importance of total cost accounting concepts for the petroleum industry and suggests types of costs that should be included in project evaluations.	EPA Pollution Prevention Information Clearinghouse (PPIC) 401 M Street, SW 3404 Washington, D.C. 20460 Phone: (202) 260-1023 Fax: (202) 260-0178 E-mail: ppic@epamail.epa.gov

## ***SPECIFIC CHEMICAL-USE RESOURCES***

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### **Resource Description**

### **Contact Information**

**47. The Cost of Changing--Total Cost Analysis of Solvent Alternatives**  
Massachusetts Toxics Use Reduction Institute (December, 1993). This paper presents six case studies to reveal the benefits of total cost accounting and notes interesting trends in the use of new cleaning technologies. (Free)

Janet Clark  
Massachusetts Toxics Use Reduction  
Institute  
University of Massachusetts  
1 University Avenue  
Lowell, MA 01854-2881  
Phone: (508) 934-3346  
Fax: (508) 934-3050

**48. Getting to the Bottom Line: How TCA Shows the Real Cost of Solvent Substitution**  
Mitchell Kennedy, P2 Consulting, Inc. (*Pollution Prevention Review*, Spring 1994) This article illustrates the application of total cost accounting at two facilities and explores the value of such analysis as a tool to support pollution prevention and reveal the hidden costs of solvent substitution.

*Pollution Prevention Review*  
Executive Enterprise Publications  
22 W 21st Street, 10th Floor  
New York, NY 10010-6904  
Phone: (800) 831-8333

## ***MANAGEMENT APPROACHES TO IMPLEMENTING ENVIRONMENTAL ACCOUNTING***

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### ***Activity-Based Costing***

### **Resource Description**

### **Contact Information**

**49. An ABC Manager's Primer: Straight Talk on Activity-Based Costing**  
Cokins, Stratton, & Helbling. The authors, who have led many activity-based costing (ABC) projects, take the mystique out of ABC. The primer, written in simple, clear language, gives a headstart for action in implementing an ABC program. (#93282, Cost \$15).

The Institute of Management  
Accountants  
10 Paragon Drive  
Montvale, NJ 07645-1760  
Phone: (800) 638-4427  
Fax: (201) 573-0639

**50. Implementing Activity-Based Costing**  
Editor Frank Collins (1991). This book introduces the concept of activity-based costing. (ISBN 0471112372, Cost \$59.95)

John Wiley and Sons  
1 Wiley Drive  
Somerset, NJ 08875  
Phone: (800) 225-5945

**51. Implementing Activity-Based Cost Management: Moving from Analysis to Action**  
Cooper, Kaplan, Maisel, Morrissey, Oehm. This research study documents key implementation issues and results, based on real-life examples and case studies of eight companies. (#92268, Cost \$35)

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## Total Quality Management

### Resource Description

\*52. **Economics of Pollution Prevention: How Waste Reduction Pays**  
Charles Rooney (*Pollution Prevention Review*, Summer, 1993). The author argues that by reducing waste generation, any company will improve the quality of its products and the environment. The author, however, also argues that this benefit is secondary to the large amount of money the company can save through pollution prevention. The author argues that waste is a significant and avoidable cost to most businesses, and introduces a simple methodology for measuring the economic damage waste causes and discusses ways to find and eliminate the causes of waste in manufacturing processes.

53. **Current Trends in Cost of Quality: Linking the Cost of Quality and Continuous Improvement**  
John Hawley Atkinson, Jr., Gregory Hohner, Barry Mundt, Richard B. Troxel, William Winchell (1991). This successor study to a 1987 report on Cost of Quality analyzes four case studies and discusses the tactics and techniques required to convert an organization to a continuous quality improvement philosophy. The document describes different ways of measuring costs that would be useful in total cost accounting. (#91259, Cost \$35)

54. **Measuring, Planning, and Controlling Quality Costs**  
Wayne J. Morse, Harold P. Roth, and Kay M. Poston (1987). This book published by the Institute of Management Accountants uses the results of a study as an introduction to quality costs; identifies major issues in the measurement, planning, and control of quality costs; summarizes the experience and success of selected companies in measuring quality costs; and provides guidance in implementing a quality cost system. ISBN 0866411496.

### Contact Information

*Pollution Prevention Review*  
Executive Enterprise Publications  
22 W 21st Street, 10th Floor  
New York, NY 10010-6904  
Phone: (800) 831-8333

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## Total Cost Accounting

\*55. **Analysis of Pollution Prevention and Waste Minimization Opportunities Using Total Cost Assessment: A Case Study in the Electronics Industry**  
L. Badgett, B. Hawke, and K. Humphrey (1995). This report is comprised of two main sections. The first section examines six different methods for assessing costs and benefits of pollution prevention opportunities, highlighting the recommended method. The second section is a case study of a Northwest circuit board manufacturer, which outlines the application of the selected decision-making tool to two pollution prevention investments and highlights the economic results of the analysis.

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Resource Description

Contact Information

**\*56. New Applications of Total Cost Assessment: An Exploration of the P2-Production Interface**

Deborah E. Savage and Allen L. White (*Pollution Prevention Review*, Winter 1994/1995). This article shows how Total Cost Assessment can make a major contribution in shifting environmental projects out of their traditional classification as must-do, compliance-driven projects and move them up the corporate investment hierarchy to a profit-adding classification. The article presents a case study performed for the chemical manufacturing operations of a multinational, high technology firm. The analysis of the costs and benefits of a closed-loop, multi-purpose batch still solvent recovery system illustrated the integral, quantifiable connection between environmental investment and production flexibility and planning at the firm's facilities.

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**57. Will Polluting Less Save You Money? A Workbook for Total Cost Assessment**

(1994). This document explores using total cost assessment to evaluate options, justify project worth, and track project success. The handbook provides users with the tools necessary to examine pollution prevention projects using total cost assessment. The exercises are designed to teach skills in gathering data, performing the analysis, and considering factors such as liability and media shifting. The handbook can also be used as an instructor's guide for inter-active lessons on total cost accounting.

P<sup>2</sup>c  
P.O. Box 231214  
Old State House Square  
Hartford, CT 06123  
Phone: (203) 236-5911

## ENVIRONMENTAL ACCOUNTING FOR THE PUBLIC SECTOR

Resource Description

Contact Information

**58. Creating a Government that Works Better and Costs Less: Reinventing Environmental Management**

Vice President Al Gore (September, 1993). This accompanying report to the National Performance review recommends among other things, that the Federal Government should "Improve Federal Decision Making Through Environmental Cost Accounting." (Cost \$14)

U.S. Government Printing Office  
Superintendent of Documents  
Mail Stop: SSOP  
Washington, D.C. 20402-9328  
Phone: (202) 512-1800

**59. Environmental Costs: A New Element in Life Cycle Cost Estimates for DOD Acquisition Programs**

Michael Anderberg (June, 1994). This keynote address presented at the 16th Annual Conference of the International Society of Parametric Analysts describes what DOD's Office of Secretary of Defense is doing to assure the significant costs of environmental effects are reflected in life cycle cost estimates for major defense acquisitions.

Office of Secretary of Defense  
Program Analysis and Evaluation  
1800 Defense Pentagon  
Washington, D.C. 20301-1800  
Phone: (703) 697-0317

**60. Logistics Spectrum--Journal of the Society of Logistics Engineers, Volume 27, Issue 2**

(September, 1993) This special issue entitled, "New Directions in Logistics" is the first all-environmental issue of this quarterly. Member subscription: annual membership dues include a \$10 yearly subscription; nonmember subscription: \$50 U.S., \$60 all others.

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March 14, 1996

**MEMORANDUM**

TO: Holly Elwood, EPA-OPPT  
FROM: Ed Crooke and Elaine Blatt, ICF Incorporated  
SUBJECT: Revised DfE Environmental Accounting Resource Listing

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Attached is the camera-ready version of the Environmental Accounting Resource Listing, along with an electronic file in Word Perfect 5.1. In developing this version, we combined the "Corporate Financial Accounting" and "Corporate Environmental Accounting -- Studies/Analyses" sections and incorporated your edits to the March 1 draft. In addition, please note the following about this version:

- The cost for the issue paper and guidance document cited in *Accounting for the Environment Management Accounting Issues Paper 1* is \$15 each. We have made this clear in the resource description.
- The Richard Wells article is a case study of Industrial Products Inc. (a fictional company). We incorporated a brief description of this resource in Resource #45.

We will return your environmental accounting resources to you at our next meeting. If you have any questions about this draft, please feel free to call Elaine at (703) 934-3073.

