

CORE LIST

FOR AN ENVIRONMENTAL REFERENCE COLLECTION

A listing of information resources in the areas of environmental protection, management, and science as selected by librarians supporting the United States Environmental Protection Agency.

Air Quality/Air Pollution ✦ *Chemical Properties and Characteris*
✦ *Dictionaries & Glossaries* ✦ Directories ✦ Ecology & Ecosyst
✦ Encyclopedias ✦ Engineering & Technology ✦ *Environmental*
Environmental Education ✦ Environmental Equity/Environment
✦ *Environmental Law, Legislation & Regulations* ✦ Environmen
Management & Policy ✦ General Reference ✦ *Guides to Electr*
Information Sources ✦ Hazardous Waste/ Superfund ✦ Health I
Toxicology ✦ International Environment ✦ *Legislative Histories*
Vehicles & Emissions ✦ Pesticides and Toxic Substances ✦ Po
Prevention ✦ *Research and Laboratory Practices* ✦ Risk Asses
Management ✦ Solid Waste and Recycling ✦ Statistics ✦ *Test M*
and Standards ✦ US Environmental Protection Agency ✦ Water

DISCLAIMER

This publication has been prepared and reviewed by the US Environmental Protection Agency (EPA). Due to the rapidly expanding field of environmental information, EPA cannot guarantee that all relevant sources are listed. Publication does not signify that the contents reflect the views of the EPA or that EPA endorses the coverage and scope of the subject matter as comprehensive, complete or appropriate. At the time of this publication, all electronic links were accurate to the best of our knowledge. Please note that there may be subscription fees or other charges associated with some of the resources listed in this document.

A Note on This Edition of the *Core List*

This edition of the *Core List* is a complete revision of the second edition, which was published in 2002 as EPA 260-R-01-001. The original *Core List* was published in 1993 as EPA publication EPA 220-R-93-007. The URLs in this document were current as of September 2009, but for the most up-to-date listings, see the online version: <http://www.epa.gov/libraries/core/coretoc.htm> .

This edition of the *Core List* has been revised to include many new resources. Several sources from previous versions of the list have been omitted because they have been superseded by other items or are now out of print and difficult to obtain.

The EPA National Library Network plans to update the *Core List* periodically, expanding it to include new information sources and new media formats. Previous editions of the *Core List* can be accessed via EPA's National Service Center for Environmental Publications (NSCEP). Search NSCEP online at <http://www.epa.gov/nscep> .

The EPA National Library Network is a program of the Office of Information Analysis and Access, Information Access Division. If you would like additional information about the EPA National Library Network, contact:

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Introduction

The purpose of the *Core List for an Environmental Reference Collection* is to identify key information resources in the areas of environmental protection, management, and science. The *Core List* was developed by EPA's National Library Network for EPA information professionals, state environmental librarians, environmental librarians in other countries, and other individuals involved in developing or managing collections of environmental information resources.

The *Core List* was conceived of and originally compiled in the early 1990's. The resources in this edition were selected, compiled and organized by the librarians at the EPA-RTP Library with input from the librarians of the EPA National Library Network. The titles selected for the list were those deemed valuable by the librarians and staff working in EPA libraries in support of the Agency's mission. The symbols listed below are used throughout the document to indicate the following sub-sets of materials:

- * Titles marked with an asterisk (*) were selected by a workgroup of EPA librarians as the essential reference collection elements that an EPA library should have onsite.
- + Titles marked with a plus sign (+) indicate electronic resources that generally require a subscription or paid access.

The resources in this list provide information about sustainability, conservation, pollution, environmental law, atmospheric trends, water quality, alternative and renewable energy, waste management, public policy, endangered species, and many other environmental issues. Most of the titles on the list were published within the last ten years and are readily available. Several are published serially. The list includes both print and electronic resources. Electronic resources were selected without consideration of the sponsoring agency and may be hosted by commercial entities. The EPA does not endorse commercial entities nor advocate their use.

The *Core List* is presented in several sections. Most of the sections relate to environmental topics such as air quality or water quality. A few sections are composed of specific types of documents such as general reference sources, which contains directories, dictionaries, encyclopedias and other sources that cross subject boundaries. Entries are arranged alphabetically within each section. Each entry includes the title, author or editor, publication date, and publisher or distributor of the resource. Many of the entries include a brief description of the resource as well.

A list of acronyms used can be found at the end of the list. A list of key environmental journals and a directory of publishers are also included.

Air Quality / Air Pollution

Air pollution is the presence of contaminants in the air in concentrations that prevent the normal dispersive ability of the air, and that interfere with biological processes and human economics. Air quality standards are the level of pollutants prescribed by regulations that are not to be exceeded during a given time in a defined area. *See also the section on **Motor Vehicles and Emissions**.*

PRINT RESOURCES

***Air Pollution Engineering Manual.** 2nd ed. Davis, Wayne T. (2000). New York: Wiley. ISBN: 9780471333333.

Air / Superfund Guide to Pollutant Toxicity. EPA, Office of Air Quality Planning & Standards. (1996). EPA Publication No.: EPA 451-R-96-006 and NTIS Publication No.: PB96-162490.

***Clean Air Act Handbook.** 2nd ed. Martineau, Robert J., Jr. and Novello, David P. (2004). Chicago: American Bar Association. ISBN: 9781590312896. Contains information on the history and structure of the Act, EPA's implementation efforts, the stratospheric ozone protection program, best available control technologies, and EPA's program for fuels and fuel additives.

Compilation of Air Pollutant Emission Factors, AP-42. 5th ed. [2 Vols]. EPA, Office of Air Quality Planning and Standards. (1995). Vol.1 - Stationary Point and Area Sources; Vol. 2 - Mobile Sources. EPA Publication No.: EPA 450-AP-425-ED and NTIS Publication No.: PB95-196208. Air pollutant emission factors for combustion processes, volatile substances, gasoline evaporation, and selected industrial processes.

URL: <http://www.epa.gov/ttn/chief/ap42/index.html>

Fundamentals of Air Pollution. 4th ed. Vallero, Daniel A. (2008). Boston: Elsevier. ISBN: 9780123736154. A compendium for all involved directly or indirectly in decision making about air pollution control—regulatory or engineering.

Inventory of Greenhouse Gas Emissions and Sinks: 1990 to 2006. EPA, Office of Atmospheric Programs. (2008). EPA Publication No.: EPA 430-R-08-005. Summarizes the latest information on US anthropogenic greenhouse gas emission trends from 1990 through 2006.

URL: http://www.epa.gov/climatechange/emissions/downloads/08_CR.pdf

National Air Pollutant Emission Estimates, 1900-1991. EPA, Office of Air Quality Planning and Standards. (1992). EPA Publication No.: EPA 454-R-92-013 and NTIS Publication No.: PB92-152859. Presents estimates of national and regional emissions for criteria air pollutants. Projects future emissions for those areas to 2010. Data also available for a fifty year span:1940-1990.

National Air Quality and Emission Trends Report. [Serial]. EPA, Office of Air Quality Planning and Standards. EPA Publication No.: EPA 454-R-01-004. Examines changes in air pollution contaminant levels over time and summarizes the current status of air pollution.

URL: <http://www.epa.gov/airtrends/>

National Air Quality and Emissions Trends Report, 2003 Special Studies Edition. EPA, Office of Air Quality Planning and Standards; Emissions Monitoring and Analysis Division, Air Quality Trends Analysis Group. (2003). EPA Publication No.: EPA 454-R-03-005. The 28th report on air pollution trends in the US issued by the EPA.

Ozone: Good Up High, Bad Nearby. [Brochure]. EPA, Office of Air and Radiation. (2003). EPA Publication No.: EPA 451-K-03-001.

URL: <http://www.epa.gov/oar/oaqps/gooduphigh/ozone.pdf>

Plain English Guide to the Clean Air Act. EPA, Office of Air Quality Planning and Standards. (2007). EPA Publication No.: EPA 456-K-07-001. Offers an explanation of the Clean Air Act and its provisions in simple language. Includes a glossary, list of common air pollutants, and information about citizen-oriented publications.

URL: <http://www.epa.gov/air/caa/peg/>

Protecting the Ozone Layer: Science and Strategy. Parson, Edward. (2003). New York: Oxford University Press. ISBN: 9780195155495. Comprehensive history of international efforts to protect the ozone layer.

Toxic Air Pollutant Emission Factors: A Compilation of Selected Air Toxic Compounds and Sources. 2nd ed. EPA, Office of Air Quality Planning and Standards. (1990). EPA Publication No.: EPA 450-2-90-011 and NTIS Publication No.: PB91-126003. Contains information on emission factors for selected toxic air compounds and sources, sorted by pollutant and source.

ELECTRONIC RESOURCES

Air and Waste Management Association. Provides information for environmental decisions including one-page factsheets on specific topics such as air pollution and pollution prevention for land, water and air.

URL: <http://www.awma.org/>

+**AirChief Version 12.0.** (CD-ROM). EPA, Office of Air and Radiation; Emission Factors and Inventory Group. (2005). EPA Publication No.: EPA 454-C-05-001 and NTIS Publication No.: PB2005-500152. Current emissions data compiled from EPA reports and databases from the Office of Air Quality Planning and Standards. Includes an electronic version of the Compilation of Air Pollutant Emissions Factors (AP-42).

Clean Air Markets. EPA, Office of Air and Radiation. Information on various market-based regulatory programs designed to improve air quality by reducing outdoor concentrations of fine particles, sulfur dioxide, nitrogen oxides, and mercury. Provides the information and tools that are necessary to participate in any of these market-based programs.

URL: <http://www.epa.gov/airmarkets/>

Compilation of Air Pollutant Emission Factors, AP-42. 5th ed. EPA, Office of Air Quality Planning and Standards. EPA Publication No.: EPA 450-AP-425-ED and NTIS Publication No.: PB95-196208. Air pollutant emission factors for combustion processes, volatile substances, gasoline evaporation, and selected industrial processes.

URL: <http://www.epa.gov/ttn/chief/ap42/index.html>

Office of Air and Radiation. EPA. Provides information about OAR's mission, organization, resources, publications, and regulations. Includes a list of current topics and links to the EPA home page.

URL: <http://www.epa.gov/oar/>

***Technology Transfer Network (TTNWeb).** EPA. Collection of technical Web sites containing information about many areas of air pollution science, technology, regulation, measurement, and prevention. Features include the AP42 (Compilation of Air Pollutant Emission Factors), Clean Air Act Recently Signed Rules, and air quality modeling information (SCRAM).

URL: <http://www.epa.gov/ttn/scram/>

Title VI of the Clean Air Act. Provides the full text with reference to regulatory actions since January 1994.

URL: <http://epw.senate.gov/envlaws/cleanair.pdf>

Webfire. EPA, Office of Air and Radiation. The FIRE application Web site provides fast and complete access to EPA's air emissions factors information.

URL: <http://cfpub.epa.gov/oarWeb/index.cfm?action=fire.main>

Business Information

EPA's relationship to businesses is one that encompasses oversight for environmental laws and regulations, as well as providing resources and partnerships to promote environmentally sound practices. The titles in this section contain business reference resources, such as industry codes and data, as well as information about environmental business strategies.

PRINT RESOURCES

Green to Gold: How Smart Companies Use Environmental Strategy to Innovate, Create Value, and Build Competitive Advantage. Esty, Daniel C. and Winston, Andrew S. (2009). Hoboken, NJ: Wiley. ISBN: 9780470393741. Guide for businesses that tackles environmental challenges and how to manage and take advantage of them.

North American Industry Classification System: United States. Executive Office of the President. (2007). Lanham, MD: Bernan. ISBN: 9781598880823. Official industry codes used by businesses and other establishments and individuals to complete tax returns, grant requests, and other forms, and to improve analyses and comparisons of different industries.

Standard Industrial Classification Manual: 1987. US Office of Management and Budget. Washington, D.C.. NTIS Publication No.: PB87-100012. Industry codes used by businesses and other establishments and individuals to complete tax returns, grant requests, and other forms, and to improve analyses and comparisons of different industries.

ELECTRONIC RESOURCES

EDGAR: Electronic Data Gathering, Analysis, and Retrieval. Performs automated collection, validation, indexing, acceptance, and forwarding of submissions by companies and others who are required by law to file forms with the U.S. Securities and Exchange Commission (SEC). Anyone can access and download this information for free.

URL: <http://www.sec.gov/edgar.shtml>

EPA for Businesses Opportunities. Information and assistance for business and industries.

URL: <http://www.epa.gov/epahome/business.htm>

EPA, Small Business Gateway. The US Environmental Protection Agency (EPA). Gateway to environmental information and contacts for small businesses.

URL: <http://www.epa.gov/smallbusiness>

Hoover's Online. Database of information on more than 25 million corporations and organizations, with both free and pay content. Hoover's is a subsidiary of Dun & Bradstreet.

URL: <http://www.hoovers.com/free>

US Census Bureau, Economic Census. Economic Census profiles of American business conducted every five years, from the national to the local level.

URL: <http://www.census.gov/econ/census02/>

Chemical Properties and Characteristics

Chemical properties are the attributes, traits, and/or peculiarities evident during a chemical reaction that enable scientists to distinguish one substance from another. Four chemical characteristics—ignitability, corrosivity, reactivity, and toxicity—are used to define hazardous waste under RCRA and are of particular interest to EPA. The titles below include chemical reference sources and handbooks that address chemical properties and characteristics from both a general and environmental perspective. *See also the sections on **Pesticides and Toxic Substances** and **Test Methods and Standards**.*

PRINT RESOURCES

Beilstein Handbook of Organic Chemistry. 4th ed. Handbook that includes data published on the preparation and properties of all carbon compounds. There are six series—the Basic Series and five Supplementary Series; each series is subdivided into 27 nominal volumes containing many physical volumes. [Out of Print] Available online as CrossFire Beilstein (<http://info.crossfiredatabases.com/>).

Concise Encyclopedia Chemistry. Eagleson, Mary. (1994). New York: Walter de Gruyter. ISBN: 9780899254579. Contains information on general, physical and technical chemistry and chemical engineering. Entries for each element include sources, abundance, refining and purification methods, applications and history. Descriptions of compounds include physical data, major reactions, and important uses. Describes basic processes in industrial, process, and petrochemistry.

Chemical Warfare Agents: Chemistry, Pharmacology, Toxicology and Therapeutics. 2nd ed. Ramono, James A. and Lukey, Brian J. (2008). Boca Raton, Fla.: CRC Press. ISBN: 9781420046618.

CRC Handbook of Chromatography: Analysis of Lipids. Mukherjee, Kumar D. and Weber, Nikolaus. (1993). Boca Raton, Fla.: CRC Press. ISBN: 0849330394.

CRC Handbook of Chemistry and Physics Lide, David R. (2009). Boca Raton, Fla.: CRC Press. ISBN: 9781420090840.

CRC Handbook of Data on Organic Compounds. 3rd ed. [7 Vols]. Lido, David R. and Milne, George W.A. (1994). Boca Raton, Fla.: CRC Press. ISBN: 0849304458.

Crop Protection Handbook. [Serial]. (2003-). Willoughby, Ohio: Meister Publishing. ISSN: 15472779. Formerly: *Farm Chemicals Handbook*. Includes technical product information, environmental and safety data, and registration and supplier information.

Dictionary of Chemical Names and Synonyms. Howard, Philip H. and Neal, Michael W. (1991). Boca Raton, Fla.: Lewis Publishers. ISBN: 9780873713962. Contains detailed information on 20,000 chemicals, including basic chemical records arranged by CAS Registry Number, an alphabetical index of 130,000+ chemical synonyms, and an index of chemical formulas by the Hill system.

Environmental Contaminant Reference Databook. Prager, Jan C. (2002). New York: Wiley. ISBN: 9781591244752.

Environmental Law Index to Chemicals. 3rd ed. (1999). Lee, C.C. Rockville, Md.: Government Institutes. ISBN: 9780865876705.

***Gardner's Chemical Synonyms and Trade Names.** 11th ed. (1999). Milne, George W.A., Editor. Brookfield, Vt.: Ashgate. ISBN: 9780566081903. Includes a dictionary of chemical names and synonyms, a thesaurus of chemical and trade names, indexes of CAS registry numbers and EINECS numbers, and a directory of manufacturers and suppliers.

Handbook of Environmental Contaminants: A Guide for Site Assessment. Shineldecker, Chris L. (2002). Boca Raton, Fla.: Lewis Publishers. ISBN: 9780873717328. Compilation of selected industrial and manufacturing data, data compiled from chemical reference works, published articles, occupational health and safety studies, and information obtained from various public agencies.

Handbook of Environmental Data on Organic Chemicals. 5th ed. [2 Vols]. Verschueren, Karel. (2008). Oxford: Wiley-Blackwell. ISBN: 9780470171738. Covers properties; air, water, and soil pollution factors; and biological effects.

Handbook of Environmental Degradation Rates. Howard, Philip H. (2009). Boca Raton, Fla.: CRC Press. ISBN: 9781420090949.

Handbook of Environmental Fate and Exposure Data for Organic Chemicals. [5 Vols]. Howard, Philip H. (1989-1997). Chelsea, Mich.: Lewis Publishers. ISBN: 9780873711517. Outlines the process by which individual chemicals are released, transported, and degraded in the environment, and how they are exposed to humans and environmental organisms.

Handbook of Physical-Chemical Properties and Environmental Fate for Organic Chemicals. [4 Vols]. Mackay, Donald. (2006). Boca Raton, Fla.: CRC/Taylor & Francis. ISBN: 9781566706872. Contains physical-chemical data for chemical substances which influence their fate in multimedia environments or air, water, soils, sediments, and their resident biota.

***Hawley's Condensed Chemical Dictionary.** 15th ed. Lewis, Richard J. and Hawley, Gessner Goodrich. (2007). New York: Wiley. ISBN: 9780471768654.

Hazardous Chemicals Desk Reference. 6th ed. Lewis, Richard J., Sr. (2008). Hoboken, N.J.: Wiley. ISBN: 9780470180242. Ready reference resource with concise summaries of the physical properties of hazardous chemicals.

Kent and Riegel's Handbook of Industrial Chemistry and Biotechnology. 11th ed. Riegel, Emil Raymond and Kent, James Albert. (2007). New York: Springer. ISBN: 9780387278421; e-book ISBN: 0387278435. Covers various sectors of the chemical process industry including plastics, rubbers, manmade textiles, and dyes and pigments.

Kirk-Othmer Concise Encyclopedia of Chemical Technology. 5th ed. [2 Vols]. Kirk, Raymond E. and Othmer, Donald F. (2007). Hoboken, N.J.: Wiley. ISBN: 9780470047484. An authoritative, abridged version of the 27-volume *Encyclopedia of Chemical Technology* with selected key references for each article, along with hundreds of tables, charts, figures, and graphs from the larger version.

Kirk-Othmer Encyclopedia of Chemical Technology. 5th ed. [27 Vols]. Kirk, Raymond E. and Othmer, Donald F. (2004-2007). Hoboken, N.J.: Wiley. ISBN: 9780471484943. Contains articles about chemical substances, properties, manufacturing and use of chemicals, industrial processes and methods of analysis, and scientific subjects allied to chemical technology. Also available online by subscription from Wiley-Blackwell and on CD-ROM.

Lange's Handbook of Chemistry. 15th ed. Lange, Norbert Aldoph, and Speight, James G. (2005). New York: McGraw Hill. ISBN: 9780071432207. Includes descriptions for more than 7,000 organic compounds with information on physical properties, thermodynamic properties, atomic and nuclear structure, organic and inorganic chemicals, analytical chemistry, electrochemistry, spectroscopy, and laboratory methods.

***The Merck Index: An Encyclopedia of Chemicals, Drugs, and Biologicals.** 14th ed. O'Neil, Maryadele J. et al. (2006). Whitehouse Station, N.J.: Merck. ISBN: 9780911910001. Contains information on more than 10,000 chemicals, drugs, biologicals, organic name reactions, miscellaneous tables, and a formula index. Also available online from Dialog and on CD-ROM.

NIOSH Pocket Guide to Chemical Hazards. US Department of Health and Human Services/NIOSH/CDC. (2005). ISBN: 9781590425862 and NTIS Publication No.: PB 2005-108-099. Contains information on approximately 400 chemicals, including technical data on chemical structures and formulas, synonyms, exposure limits, signs and symptoms of human exposure, procedures of emergency treatment, chemical and physical properties, and measurement methods.
URL: <http://www.cdc.gov/niosh/npg/>

Perry's Chemical Engineers' Handbook. 8th ed. Green, Donald W. and Perry, Robert H., Editors. (2008). New York: McGraw-Hill. ISBN: 9780071422949. Provides facts, figures, methods and data needed for solving the wide range of problems engineers face in the chemical process industries. Includes material on biochemical engineering, waste management, plant safety and analysis of plant performance, computer applications, expert systems, material and energy balances, gas- and liquid-phase pulsation dampeners, the LIST reactor, and handling of hazardous materials. SI units of measure are used throughout.

***Sax's Dangerous Properties of Industrial Materials.** 11th ed. [3 Vols.] Lewis, Sr., R.J. and Sax, N. Irving. (2005). Hoboken, NJ: Wiley. ISBN: 9780471701330. Provides up-to-date hazard information on chemical substances including drugs, food additives and preservatives, pesticides, dyes, plastics, industrial intermediates, and waste products from production processes. Also available on CD-ROM and online.

Sittig's Handbook of Toxic and Hazardous Chemicals and Carcinogens. 5th ed. [3 Vols]. Sittig, Marshall and Pohanish, Richard P. (2008). Norwich, N.Y.: William Andrew Publishing. ISBN: 9780815515531. Classifies chemicals as carcinogens, hazardous substances, hazardous potential and/or priority toxic pollutants.

Thermochemical Data and Structures of Organic Compounds. Pedley, J.B. (1994). College Station, Texas: Thermodynamics Research Center. ISBN: 9781883400019.

***Threshold Limit Values for Chemical Substances and Physical Agents and Biological Exposure Indices.** American Conference of Governmental Industrial Hygienists. (2008). ISBN 9781882417797. Presents the basic rationale for establishing occupational exposure values for more than 700 chemical substances and physical agents. Includes guidelines and recommendations for the control of potential health hazards.

ELECTRONIC RESOURCES

Agricultural Chemical Use – National Agricultural Statistics Service (NASS). Contains data on chemical use, land use, and crop practices for 3,000+ counties in the US.

URL: <http://www.pestmanagement.info/nass/>

+Analytical Abstracts. Worldwide coverage of chemical literature including the areas of general, inorganic, organic, applied, industrial, clinical, pharmaceutical and environmental chemistry from 1980 to the present. Produced by the Royal Society of Chemistry (RSC).

URL: <http://www.rsc.org/Publishing/CurrentAwareness/aa/>

+ChemBioFinder. Online chemistry and biology reference database with more than 500,000 cataloged compounds.

URL: <http://chembiofinderbeta.cambridgesoft.com/>

+**CHEMExpert**. Provides integrated access to more than 90 chemical databases and resources.

URL: <http://www.expub.com/index>

ChemExper. Contains 200,000+ compounds together with their physical properties such as boiling point, melting point, IR spectrum (10,000+), MSDS (10,000+), supplier information, 2D and 3D structures.

URL: <http://www.chemexper.com/>

Chemicals in the Environment: OPPTS Chemical Fact Sheets. EPA. Provides brief summaries of information on selected chemicals and the laws under which they are regulated.

URL: <http://www.epa.gov/chemfact/>

+**CRC Handbook of Chemistry and Physics**. Boca Raton, Fla.: CRC Press. ISSN: 15392244.

URL: <http://hbcnetbase.com/>

Delphion Intellectual Property Network. US Patent and Trademark Office; Delphion. Formerly the IBM Intellectual Property Network. Allows for searching the bibliographic and claims portions of US patents from 1974 to the present, and recently added European Patents. Bibliographic portion includes titles, abstracts, inventor, and company.

URL: <http://www.delphion.com/>

Envirofacts Data Warehouse. National information system that provides a single point of access to data extracted from seven major EPA databases.

URL: <http://www.epa.gov/enviro/>

National Institute of Standards and Technology (NIST) Chemistry Web Book. Provides information on a wide variety of chemicals, including mass spectra and infrared spectra.

URL: <http://webbook.nist.gov/chemistry/>

+**Registry of Toxic Effects of Chemical Substances (RTECS)**. (CD-ROM). Sweet, D.V. US Department of Health and Human Services/NIOSH. Compendium of toxicity data extracted from the scientific literature with a complete CAS number cross-index. Available from multiple commercial vendors.

URL: <http://www.cdc.gov/niosh/rtecs/>

*+**Sax's Dangerous Properties of Industrial Materials**. Data on approximately 26,000 substances used in commerce. Includes data on explosive potential, toxicology, reactivity, flammability, and regulatory information. Also includes Immediately Dangerous Life or Health (IDLH) levels for roughly 1,000 chemicals.

+**STN International.** Collection of more than 220 scientific and technical databases that provide information on chemicals and the interactions of chemical substances in the environment. Creating an account allows free access to 100+ databases. Jointly operated by Chemical Abstracts Service (US), FIZ Karlsruhe (Europe) and Japan Information Center of Science and Technology.

URL: <http://www.stn-international.de/>

***Toxics Release Inventory (TRI).** EPA. The Toxics Release Inventory (TRI) is a publicly available EPA database that contains information on toxic chemical releases and waste management activities reported annually by certain industries as well as federal facilities. Public data is reported yearly.

URL: <http://www.epa.gov/tri/>

TOXNET. The National Library of Medicine's Toxicology Data Service is a free service with access to many toxicology databases, including The Hazardous Substances Data Bank (HSDB), which contains over 4,500 chemical records, as well as ChemID plus, Toxline, CCRIS, DART, Genetox, IRIS, ITER, LactMed, TRI, Haz-Map, Household Products database.

URL: <http://toxnet.nlm.nih.gov/>

Patent Official Gazette. US Patent and Trademark Office. Published each Tuesday to announce those patents being issued and those trademarks being registered or published for opposition. Search or browse 1964-present.

URL: <http://www.uspto.gov/go/og/index.html>

World Intellectual Property Organization (WIPO) Digital Library. Provides access to intellectual property data collections hosted by the World Intellectual Property Organization. Includes PCT (Patents), Madrid (Trademarks), Hague (Industrial Designs), Article 6ter (State Emblems, Official Hallmarks, and Emblems of Intergovernmental Organizations) and others.

URL: <http://www.wipo.int/ipdl/en/>

Climate Change

Climate change refers to any significant change in measures of climate (such as temperature, precipitation, or wind) lasting for an extended period (decades or longer). Climate change may result from natural factors, such as changes in the sun's intensity or slow changes in the Earth's orbit around the sun; natural processes within the climate system (e.g., changes in ocean circulation); human activities that change the atmosphere's composition (e.g., through burning fossil fuels) and the land surface (e.g., deforestation, reforestation, urbanization, desertification, etc.).

PRINT RESOURCES

Biogeochemistry: An Analysis of Global Change. (1997). 2nd ed. Schlesinger, William H. San Diego: Academic Press. ISBN: 012625155X. Analyzes the interactions among biological and chemical processes that determine the composition of the atmosphere, oceans, and biosphere.

Climate Change 2007: The Physical Science Basis: Contribution of Working Group I to the Fourth Assessment Report of the Intergovernmental Panel on Climate Change. Solomon, Susan. (2007). New York: Cambridge University Press. ISBN: 9780521880091.

Climate Change 2007: Impacts, Adaptation and Vulnerability: Contribution of Working Group II to the Fourth Assessment Report of the Intergovernmental Panel on Climate Change. Parry, Martin L. (2007). New York: Cambridge University Press. ISBN: 9780521880107.

Climate Change 2007: Mitigation of Climate Change: Contribution of Working Group III to the Fourth Assessment Report of the Intergovernmental Panel on Climate Change. Metz, Bert. (2007). New York: Cambridge University Press. ISBN: 9780521880114.

Climate Change: Causes, Effects, and Solutions. Hardy, John T. (2003). New York: Wiley. ISBN: 0470850183. Examines the latest scientific findings and goes beyond a description of changes in the physical environment to consider the broader issues of ecological, economic and human effects of climate change.

Climate Change: Science, Strategies, & Solutions. Claussen, Eileen ; Cochran, Vicky Arroyo and Davis, Debra P. Leiden. (2001). Boston: Brill. ISBN: 9789004120242. Presents the latest research and analysis from prominent scientists, economists, academics, and policy-makers.

Field Notes from a Catastrophe: Man, Nature, and Climate Change. Kolbert, Elizabeth. (2001). New York: Bloomsbury Pub. ISBN: 1596911255. Based on a prize-winning series of articles in the *New Yorker*. Focuses on evidence of global warming found in Antarctic ice cores and the melting of the Greenland ice sheet.

Global Climate Change. McCaffrey, Paul. (2006). Bronx, N.Y.: H. W. Wilson Company. ISBN: 082421059X. A good source of relatively objective information on climate change.

Global Environmental Change: A Natural and Cultural Environmental History. 2nd ed. Mannion, Antoinette M. Harlow. (1997). Essex, England: Longman Scientific & Technical. ISBN: 0582277221. Adopts a temporal and spatial approach to environmental change. Considers alterations to the biogeochemical cycles of carbon, nitrogen, sulphur and other elements as a result of industrial/technological development and agriculture, which have significantly altered the natural environment.

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URL:

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URL: <http://www.climate-science.gov/>

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US Global Change Research Program (USGCRP). US Global Change Research Program. Washington, D.C.: US Global Change Research Program. Supports research on the interactions of natural and human-induced changes in the global environment and their implications for society.

URL: <http://www.usgcrp.gov/>

Ecology and Ecosystems

Ecology is the relationship of living things to one another and their environment, or the study of such relationships. An ecosystem is defined as place having unique physical features, encompassing air, water, and land, and habitats supporting plant and animal life. Subtopics include, but are not limited to, conservation biology, forest ecology, landscape ecology, plant ecology, soil ecology, and wetland ecology.

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Biodiversity & Biological Collections. Large collection of information about biodiversity and biological collections, including taxonomic authority files, directories of professional biologists, and many other resources.

URL: <http://www.biocollections.org/>

Biological Conservation Newsletter and Bibliography. Monthly publication produced by the Department of Botany at the National Museum of Natural History, Smithsonian Institution. Features articles on conservation research and current news items, as well as information on new publications, fellowships and grants, job announcements, educational materials, and meetings.

URL: <http://botany.si.edu/pubs/bcn/>

Botany. Collection of botany resources from the National Biological Information Infrastructure (NBII).

URL: <http://botany.nbi.gov/>

The Convention on Biological Diversity. Aims to promote the conservation of biological diversity, use of sustainable resources, and sharing of benefits arising from those resources in a fair and equitable way.

URL: <http://www.cbd.int/>

Description of the Ecoregions of the United States. Originally published in 1978 to provide a general description of the eco-geography of the US. Provides descriptions of ecosystem domains, divisions, and provinces of the US.

URL: http://www.fs.fed.us/land/ecosysmgmt/ecoreg1_home.htm

Ecological Regions of North America. Describes the different ecological regions of North America.

URL:

http://www.cec.org/pubs_info_resources/publications/enviro_conserv/ecomaps.cfm?varlan=english

Ecological Subregions of the United States: Section Descriptions. McNab, Henry W. and Avers, Peter E. (1994). US Forest Service, Ecosystem Management. Contains biophysical descriptions of ecoregions and subregions in the US.

URL: <http://www.fs.fed.us/land/pubs/ecoregions/>

Ecoregion Maps and GIS Resources. EPA National Health and Environmental Effects Research Laboratory, Corvallis, Oregon. Information about US ecoregions, as well as GIS data and maps on the subject.

URL: <http://www.epa.gov/wed/pages/ecoregions.htm>

Ecoregions of the United States. Provides graphic maps of the ecoregions of North America. Maps provided by Alan Woods and James Omernik.

URL: <http://www.epa.gov/bioindicators/html/usecoregions.html>

Ecosystems. Directory of Web sites about ecosystems, collected by EPA.

URL: <http://www.epa.gov/eftpages/ecosystems.html>

The GAP Analysis Program. Identifies common, currently unthreatened species that are not sufficiently represented in existing conservation lands. Helps land managers and policy makers to make better decisions when identifying priority areas for conservation.

URL: <http://gapanalysis.nbii.gov/>

Global Biodiversity Information Facility (GBIF). Collection of biodiversity data provided by a global network of data sources.

URL: <http://www.gbif.org/>

Google Directory: Ecology. Directory of ecology resources collected by Google.

URL: <http://directory.google.com/Top/Science/Biology/Ecology/>

International Union for the Conservation of Nature (IUCN). Network of over 1,000 government and NGO member organizations, and nearly 11,000 volunteer scientists from more than 160 countries, working to encourage the conservation of biological diversity and sustainable development and resource use.

URL: <http://www.iucn.org/>

IUCN Red List of Threatened Species. Promotes the conservation of threatened and endangered species, subspecies, and populations through its Species Survival Commission (SSC). Maintains a searchable database of threatened species.

URL: <http://www.iucnredlist.org/>

Long Term Ecological Research Network (LTER). Collaborative group of over 1,800 scientists and students that promotes comparative research and publication on diverse ecological topics.

URL: <http://www.lternet.edu/>

Millennium Ecosystem Assessment. Cataloged the effects of global ecosystem change for human well-being over a four-year period, involving the work of over 1,360 experts. Findings are an up-to-date evaluation of conditions and trends in the world's ecosystems.

URL: <http://www.millenniumassessment.org/>

National Biological Information Infrastructure (NBII). Supports the availability of information about biological resources of the US by creating linked access to databases, information products, and analytical tools produced by various government agencies, academic institutions, NGOs, and private industry partners.

URL: <http://nbii.gov/>

National Center for Ecological Analysis and Synthesis. Focuses on essential problems in ecology and related fields, supported by existing cross-disciplinary research and hundreds of scholars.

URL: <http://www.nceas.ucsb.edu/>

National Geographic Wild World Online Conservation Atlas. Two interactive map resources showing ecoregions and endangered areas.

URL: <http://www.nationalgeographic.com/wildworld/>

National Invasive Species Information Center (NISIC). Gateway to invasive species information from federal, state, local, and international sources.

URL: <http://www.invasivespeciesinfo.gov/>

National Wetlands Inventory. Division of the US Fish and Wildlife Service. Includes information about the status of American wetlands as well as GIS data.

URL: <http://www.fws.gov/nwi/>

NatureServe Explorer: An Online Encyclopedia of Life. Encyclopedia covering more than 70,000 North American ecosystems, plants, and animals, with especially excellent coverage of rare and endangered species.

URL: <http://www.natureserve.org/explorer/>

NOAA's Coral Reef Information System (CoRIS). Collection of information about coral reefs, with an emphasis on those produced by NOAA's Coral Reef Conservation Program.

URL: <http://www.coris.noaa.gov/>

UNEP Resources for Scientists. Collection of scientific resources gathered by UNEP.

URL: <http://www.unep.org/science/centres/index.asp>

UNEP World Conservation Monitoring Centre. Provides a range of biodiversity-related services to UNEP.

URL: <http://www.unep-wcmc.org/>

Wetlands, Oceans, Watersheds (EPA). EPA office that aims to protect and restore watershed resources by promoting local involvement in watershed conservation goals.

URL: <http://www.epa.gov/owow/>

World Data Center for Biodiversity and Ecology. Collects data on biodiversity and ecology from federal, state, non-profit, university, and private sector sources, including information about national- and local-level issues, especially those related bird conservation, invasive species, fisheries and aquatic resources, wildlife disease, and amphibian declines.

URL: <http://wdc.nbii.gov/>

World Resources Institute. Collection of resources and information related to sustainable resource initiatives.

URL: <http://www.wri.org/>

Enforcement and Compliance

Compliance and Enforcement is an integral part of environmental protection. Compliance with the nation's environmental laws is the ultimate objective, but enforcement is a vital part of encouraging governments, businesses and other companies who are regulated to meet their environmental obligations. See also the section on ***Environmental Law, Legislation, and Regulations***.

PRINT RESOURCES

Chemical Regulation Reporter. [Serial]. (1977-). Washington, D.C.: Bureau of National Affairs. ISSN: 01487973. A weekly review of activity affecting chemical users and manufacturers that provides information relating to federal chemical regulations. Note: The Index to Chemical Regulations volume is a valuable guide to the regulations governing specific chemicals.

Code of Federal Regulations. Title 40. Washington, D.C.: GPO.
URL: <http://www.gpoaccess.gov/CFR/INDEX.HTML>

Enforcement at the EPA: High Stakes and Hard Choices. Mintz, Joel A. (1995). Austin, Texas: University of Texas Press. ISBN: 9780292751873. Offers a history of the enforcement of federal environmental standards by EPA. Explores the historical evolution of the agency, how to evaluate regulatory enforcement effectiveness, and how to improve EPA's long-term enforcement effectiveness.

Enforcing the Law: The Case of the Clean Water Acts. Hunter, Susan and Waterman, Richard W. (1996). Armonk, N.Y.: M.E. Sharpe. ISBN: 9781563246821.

Environment Reporter. [Serial]. (1970-). Washington, D.C.: Bureau of National Affairs. ISSN: 00139211. Provides information on current environmental legislation, regulations, enforcement actions and litigation of federal and state laws.

Environmental Crimes Deskbook. Cooney, John F. (1996). Washington, D.C.: Environmental Law Institute. ISBN: 9780911937633.

Environmental Law Reporter. [Serial]. Washington, D.C.: Environmental Law Institute. ISSN: 00462284. Analyzes current legal issues and provides the text of Federal laws, regulations, administrative guidance in force and court decisions.

***Federal Register**. [Serial]. (1936-). Superintendent of Documents. Washington, D.C.: GPO. ISSN: 00976326. Published each federal work day. Includes proposed and final rules by federal regulatory agencies and notices of public hearings on the rules; presidential proclamations and executive orders; and decisions of fact-finding bodies.
URL: <http://www.gpoaccess.gov/fr/>

Fundamentals of Hazardous Waste Site Remediation. Sellers, Kathleen. (1999). Boca Raton, Fla.: Lewis Publishers. ISBN: 9781566702812. Examines hazardous materials chemistry, hydrogeology, reaction engineering, clean-up level development, and related activities. Also includes a section on estimating cost and provides problems with solutions.

Handbook of Environmental Engineering Calculations. 2nd ed. Lee, C. C. and Lin, Shundar. (2007). New York: McGraw-Hill. ISBN: 9780071475839. Written for environmental engineers, regulators, and other professionals, this classic is in its third edition. Dr. Lee is Research Program Manager of EPA's National Risk Management Research Laboratory.

McCoy's RCRA Reference. Gallagher, Paul V. et al. (2006). Golden, Colo.: McCoy and Associates. ISBN: 9780930469405. Perennial favorite for Resource Conservation and Recovery Act (RCRA) enforcement staff.

***McCoy's RCRA Unraveled**. (2008). Lakewood, Colo.: McCoy and Associates. ISBN: 9780930469191. Guide to understanding the Resource Conservation and Recovery Act (RCRA).

NIOSH Pocket Guide to Chemical Hazards. National Institute for Occupational Safety and Health. (2005). Cincinnati, Ohio: US DHHS NIOSH. ISBN: 9781590425862. Contains information on approximately 400 chemicals, including technical data on chemical structures and formulas, synonyms, exposure limits, signs and symptoms of human exposure, procedures of emergency treatment, chemical and physical properties, and measurement methods.
URL: <http://www.cdc.gov/niosh/npg/search.html>

Out of Bounds, Out of Control: Regulatory Enforcement at the EPA. DeLong, James V. (2002). Washington, D.C.: Cato Institute. ISBN: 9781930865303.

Perry's Chemical Engineers' Handbook. 8th ed. Green, Donald W. and Perry, Robert H., Editors. (2008). New York: McGraw-Hill. ISBN: 9780071422949. The definitive handbook in the field of chemical engineering. Provides facts, figures, methods and data needed for solving the wide range of problems engineers face in the chemical process industries. Includes material on biochemical engineering, waste management, plant safety and analysis of plant performance, computer applications, expert systems, material and energy balances, gas- and liquid-phase pulsation dampeners, the LIST reactor, and handling of hazardous materials. SI units of measure are used throughout.

***Sax's Dangerous Properties of Industrial Materials.** 11th ed. [3 Vols]. Lewis, Sr., R.J. and Sax, N. Irving. (2005). Hoboken, N.J.: Wiley. ISBN: 9780471701330. Provides up-to-date hazard information on chemical substances including drugs, food additives and preservatives, pesticides, dyes, plastics, industrial intermediates, and waste products from production processes. Also available on CD-ROM and online.

Sittig's Handbook of Toxic and Hazardous Chemicals and Carcinogens. 5th ed. [3 Vols]. (2008). Sittig, Marshall and Pohanish, Richard P. Norwich, N.Y.: William Andrew Publishing. ISBN: 9780815515531. Classifies chemicals as carcinogens, hazardous substances, hazardous potential and/or priority toxic pollutants.

Standard Methods for the Examination of Water and Wastewater. 21st ed. (2005). Eaton, Andrew D. et al. Washington, D.C.: American Publican Health Association, American Water Works Association, Water Environment Federation. ISBN: 9780875530475. Note: Older editions are also valuable. Current editions do not always include everything from previous editions. Information on more than 320 methods and techniques used to examine samples encountered in the assessment and control of water quality and water pollution. Also available electronically on CD ROM.

ELECTRONIC RESOURCES

American National Standards Institute (ANSI). Contains information on national and international standards, and links to other standard-producing organizations. Provides access to a searchable database of over 11,000 approved American national standards. Standards can be purchased online or through an agent.

URL: <http://www.ansi.org/>

+American Society for Testing and Materials (ASTM). Develops standard test methods, specifications, practices, guides, classifications, and terminology in 130 areas covering subjects such as metals, plastics, consumer products, and many others. Standards can be purchased online from the Internet site, on CD-ROM, or in print volumes.

URL: <http://www.astm.org/>

Laws that EPA Administers. Summaries of the major statutes for which the Environmental Protection Agency has responsibility. Links to the full text of the laws.

URL: <http://www.epa.gov/lawsregs/laws/index.html>

NSSN: Search Engine for Standards. Assists with finding standards from ANSI, ASTM, ISO, SAE, and other standards organizations.

URL: <http://www.nssn.org/>

+Registry of Toxic Effects of Chemical Substances (RTECS). (CD-ROM). D.V. Sweet. US Department of Health and Human Services/NIOSH. Compendium of toxicity data extracted from the scientific literature with a complete CAS number cross-index.

URL: <http://www.cdc.gov/niosh/rtecs/>

TOXNET. The National Library of Medicine's Toxicology Data Service, a free resource with access to many toxicology databases, including the Hazardous Substances Data Bank (HSDB), which contains over 4,500 chemical records. Also includes ChemID plus, Toxline, CCRIS, DART, Genetox, IRIS, ITER, LactMed, TRI, Haz-Map, Household Products database.

URL: <http://toxnet.nlm.nih.gov/>

Toxic Release Inventory (TRI). Contains information collected by EPA on routine and accidental chemical releases in the air, water and land by facilities who are required to report under the Emergency Planning and Community Right-to-Know Act of 1986. Also provides information about chemical recycling and other practices used to reduce the amount of toxic chemical releases.

URL: <http://www.epa.gov/tri/>

Engineering and Technology

Environmental professionals use engineering and technology to develop and implement measures to protect and manage natural resources, as well as to help them recover from natural and human-caused environmental disasters.

PRINT RESOURCES

Air Pollution Control Engineering. De Nevers, Noel. (2000). Boston: McGraw Hill. ISBN: 9780070393677.

Biodegradation and Bioremediation. Alexander, Martin. (1999). San Diego: Academic Press; ISBN 9780120498611.

***Encyclopedia of Environmental Science and Engineering.** 5th ed. [2 Vols]. Pfafflin, James R. (2006). Boca Raton, Fla.: CRC Press. ISBN: 9780849398438.

***Environmental Engineering Dictionary.** 4th ed. Lee, C.C., Editor. (2005). Lanham, Md.: Government Institutes. ISBN: 9780865878488.

***Environmental Technology Resources Handbook.** Gottlieb, Daniel W. (2003). Boca Raton, Fla: Lewis Publishers. ISBN: 9781566705660.

***First Responders Guide to Weapons of Mass Destruction (WMD): Practical Techniques and Procedures for Responding to a Terrorist Incident Involving WMD.** Adams, Jeffrey A. and Marquette, Stephen. (2002). Alexandria, Va.: American Society for Industrial Security. ISBN: 9781887056151.

Fundamentals of Hazardous Waste Site Remediation. Sellers, Kathleen. (1999). Boca Raton, Fla.: Lewis Publishers. ISBN: 9781566702812. Examines hazardous materials chemistry, hydrogeology, reaction engineering, clean-up level development, and related activities. Also includes a section on estimating cost and provides problems with solutions.

Green Technology and Design for the Environment. Billatos, Samir B. and Basaly, Nadia A. (1997). Washington, D.C.: Taylor and Francis. ISBN: 9781560324607.

***Handbook of Environmental Engineering Calculations.** 2nd ed. Lee, C. C. and Lin, Shundar. (2007). New York: McGraw-Hill. ISBN: 9780071475839. Written for environmental engineers, regulators, and other professionals, this classic is in its third edition. Dr. Lee is Research Program Manager of EPA's National Risk Management Research Laboratory.

Hazardous Industrial Waste Treatment. Wang, Lawrence K. (2007). Boca Raton, Fla.: CRC/Taylor & Francis. ISBN: 9780849375743

McGraw Hill Concise Encyclopedia of Environmental Science. Licker, Mark D. (2005). New York: McGraw Hill. ISBN: 9780071439510.

Perry's Chemical Engineers' Handbook. 8th ed. Green, Donald W. and Perry, Robert H., Editors. (2008). New York: McGraw-Hill. ISBN: 9780071422949. The definitive handbook in the field of chemical engineering. It provides facts, figures, methods and data needed for solving the wide range of problems engineers face in the chemical process industries. It includes material on biochemical engineering, waste management, plant safety and analysis of plant performance, computer applications, expert systems, material and energy balances, gas- and liquid-phase pulsation dampeners, the LIST reactor, and handling of hazardous materials. SI units of measure are used throughout.

Sediment Dredging at Superfund Megasites: Assessing the Effectiveness. National Research Council. (2007). Washington, D.C.: National Academies Press. ISBN: 9780309109772.

Standard Methods for the Examination of Water and Wastewater. 21st ed. Eaton, Andrew D. et al. (2005). Washington, D.C.: American Publican Health Association, American Water Works Association, Water Environment Federation. ISBN: 9780875530475. Note: Older editions are also valuable. Current editions do not always include everything from previous editions. Information on more than 320 methods and techniques used to examine samples encountered in the assessment and control of water quality and water pollution. Also available electronically on CD ROM.

Standard Handbook of Environmental Engineering. 2nd ed. Corbitt, Robert A. (1999). New York: McGraw-Hill. ISBN: 9780070131606; e-book ISBN: 9780070131606.

Standard Handbook of Environmental Science, Health, and Technology. Lehr, Jay H. and Lehr, Janet K. (2000). New York: McGraw-Hill. ISBN: 9780070383098.

***Wiley's Remediation Technologies Handbook.** Lehr, Jay H. (2004). Hoboken, N.J.: John Wiley & Sons. ISBN: 9780471455998; e-book ISBN: 0471655465.

ELECTRONIC RESOURCES

American National Standards Institute (ANSI). Contains information on national and international standards, and links to other standard-producing organizations. Provides access to a searchable database of over 11,000 approved American national standards. Standards can be purchased online or through an agent.

URL: <http://www.ansi.org/>

+American Society for Testing and Materials (ASTM). Develops standard test methods, specifications, practices, guides, classifications, and terminology in 130 areas covering subjects such as metals, plastics, consumer products, and many others. Standards can be purchased online from the Internet site, on CD-ROM, or in print volumes.

URL: <http://www.astm.org/>

Clean-Up Information (CLU-IN). Also known as the Hazardous Waste Clean-up Information Web site, CLU-IN provides information about innovative treatment technologies, describing programs, organizations, publications and tools. Managed by EPA's Technology Innovation Office and intended as a forum for all waste remediation stakeholders.

URL: <http://www.clu-in.org/>

+Engineering Information (EI) Inc. Identifies and organizes over forty global electronic databases as well as collections of engineering and related resources, including APILIT, EiCompendex, and PaperChem.

URL: <http://www.ei.org/>

National Academies. Includes the National Academy of Sciences, the National Academy of Engineering, the Institute of Medicine, and the National Research Council. Has an excellent subject index, which includes engineering, technology, and environmental issues, and access to over 1,500 full text online books, reports, and other publications including some journals.

URL: <http://www.nationalacademies.org/>

***National Technical Information Service (NTIS).** Free search access to research and technical reports for purchase from several US federal government agencies including the EPA, Department of Energy, and National Aeronautics and Space Administration. Also available online from Dialog and on CD-ROM.

URL: <http://www.ntis.gov/>

Science Advisory Board (SAB). Provides independent science and engineering advice to EPA. Site contains an overview of the SAB and links for final and draft reports, as well as links to the SAB Newsletter and other information.

URL: <http://www.epa.gov/sab/>

Technology Transfer Information Center. National Agricultural Library site that includes resources on technology transfer and a directory of federal technology transfer offices and other relevant centers. Access the TEKTRAN, BIOFUELS, and CO-AgRA databases.

URL: <http://www.nal.usda.gov/ttic/>

Environmental Classics

This section contains titles that have been recommended by environmental scientists, researchers and librarians as classic environmental literature. Classic literature tends to have a lasting readership long after being written, because of themes that remain relevant to multiple generations or because the work is a standout example of the style of the time.

PRINT RESOURCES

Ages of Gaia: A Biography of our Living Earth. Lovelock, James E. (1995). New York: Norton. ISBN: 9780393312393. Charts the progress of Gaia, the “superorganism” known as planet Earth, over some 4 billion years. Reveals much about the fate of Gaia as an idea since its emergence almost 30 years ago.

Ambushed Grand Jury: How the Justice Department Covered Up Government Nuclear Crime and How We Caught Them Red Handed. McKinley, Wes and Balkany, Caron. (2004). New York: Apex Press. ISBN: 9781891843297. McKinley was the foreman of the Grand Jury that investigated the Rocky Flats Nuclear Weapons Plant in Colorado. EPA’s National Enforcement Investigations Center and the FBI raided Rocky Flats June 6, 1989.

An Air That Kills: How the Asbestos Poisoning of Libby, Montana Uncovered a National Scandal. Schneider, Andrew. (2004). New York: Putnam. ISBN: 9780399150951. Schneider is the investigative reporter who broke the Libby, Montana story.

The Cadillac Desert: The American West and its Disappearing Water. Revised and updated ed. Reisner, Marc. (1993). New York: Penguin. ISBN: 9780140178241. Originally published in 1986. Tells the story of the relentless quest to control and allocate water in the West and describes the development and growth of the Bureau of Reclamation.

Citizenship Papers: Essays. Berry, Wendell. (2003). Washington, D.C.: Shoemaker & Hoard. ISBN: 9781593760373. Collection of nineteen essays that is a ringing call of alarm to a nation standing on the brink of global catastrophe.

A Civil Action. Harr, Jonathan. (1996). New York: Vintage Books. ISBN: 9780679772675. Relates the tale of the lawsuit against W.R. Grace and Beatrice Foods brought by families of eight leukemia victims in Woburn, Massachusetts.

Classics in Environmental Studies: Overview of Classic Texts in Environmental Studies. Nelisson, Nico J.M., van der Straaten, Jan and Klinkers, Leon. (2002). Utrecht: International Books. ISBN: 9789062249732. Ten-page core selections from the most important works in environmental studies. Organized chronologically, the introduction to each of the six sections provides a framework for understanding the context in which the seminal texts were written.

The Closing Circle: Nature, Man, and Technology. Commoner, Barry. (1971). New York: Knopf. ISBN: 9780394423500. A statement about the nature, cause, and possible solution of impending environmental disasters caused by people and technology.

Control of Nature. McPhee, John. (1989). New York: Farrar, Strauss and Giroux. ISBN: 9780374128906. Outlines the strategies and techniques people use to try to control nature.

Deep Ecology. Devall, Bill and Sessions, George. (1985). Salt Lake City, Utah: G.M. Smith. ISBN: 9780879051587. Discusses the path to living a simple, rich life and shows how to participate in major environmental issues in a positive and creative manner, using the science of ecology as one source.

Desert Solitaire: A Season in the Wilderness. Abbey, Edward. (1990). New York: Simon & Schuster. ISBN: 9780671695880. Originally published in 1968. Account of two summers spent in the canyon lands of southeastern Utah by a man who has been described as the “Thoreau of the West.”

The Diversity of Life. Wilson, Edward O. (1999). New York: W. W. Norton & Company. ISBN: 9780393319408. Originally published in 1992. Harvard University entomologist and two-time Pulitzer Prize winner Wilson describes the mechanisms and importance of biodiversity, and raises awareness about the causes and potential effects of its ongoing rapid loss.

The End of Nature. McKibben, Bill. (2006). New York: Random House. ISBN: 9780812976083. Originally published in 1989. The first book for a popular audience on global warming. Published worldwide in over 20 languages.

Everglades: River of Grass. 60th anniversary ed. Douglas, Marjory Stoneman. (2007). Sarasota, Fla.: Pineapple Press. ISBN: 9781561643943. Originally published in 1947. A lyrical overview of the Everglades ecosystem and the impact of humans on the environment in South Florida.

Fatal Deception: The Untold Story of Asbestos : Why it is Still Legal and Still Killing Us. Bowker, Michael. (2003). Emmaus, Pa.: Rodale; Distributed by St. Martin's Press. ISBN: 9781579546847. An anecdotal look at how mining and manufacturing companies ignored the effects of asbestos, and how the substance continues to be used in products worldwide.

Foundations of Ecology: Classic Papers with Commentaries. Brown, James H. and Real, Leslie A. (1991). Chicago: University of Chicago Press. ISBN: 9780226705934. Anthology of forty classic papers that have laid the foundations of modern ecology, spanning nearly nine decades of ecological research. Contemporary ecologists and a historian of ecology introduce each section with an original essay that places the papers in context and discusses their continued relevance to current research.

The Future of Life. Wilson, Edward O. (2003). New York: Vintage Books. ISBN: 9780679768111. Legendary Harvard biologist Edward O. Wilson (*On Human Nature*; *The Ants*; etc) founded sociobiology, the controversial branch of evolutionary biology, and won the Pulitzer Prize twice. This volume, his manifesto to the public at large, is a meditation on the splendor of our biosphere and the dangers we pose to it.

The Greening of America: How the Youth Revolution is Trying to Make America Livable. Reich, Charles. (1970). New York: Random House. ISBN: 9780394427300. Discusses the effect of uncontrolled technology and the possible destruction of the environment.

Hazardous Waste in America: Our Number One Environmental Crisis. Epstein, Samuel S. (1983). San Francisco: Sierra Club Books. ISBN: 9780871568076. Originally published in 1982. An introduction to the problems caused by hazardous wastes that includes case studies, legislation and regulations, and technologies.

An Inconvenient Truth: The Planetary Emergency Of Global Warming And What We Can Do About It. Gore, Al. (2006). New York: Rodale Press. ISBN: 9781594865671. The former Vice President brings together leading scientific research, personal anecdotes, and observations to document the fast pace and wide scope of global warming.

An Inconvenient Truth [DVD]. Guggenheim, Davis, Director. (2006). Hollywood, Calif.: Paramount. ISBN: 9781415724781. Former Vice President Al Gore argues that the dangers of global warning have reached the level of crisis and addresses the efforts of certain interest groups to discredit the science behind it.

Libby, Montana: Asbestos and the Deadly Silence of an American Corporation. Peacock, Andrea. (2003). Boulder, Colo.: Johnson Books. ISBN: 9781555663193. A journalistic take on the W.R. Grace case and its effects on Libby, Mont. residents.

Listening Point. Olson, Sigurd F. (1997). Minneapolis, Minn.: University of Minnesota Press. ISBN: 9780816629961. Originally published in 1958. A discourse on natural history.

Living Downstream: A Scientist's Personal Investigation of Cancer and the Environment. Steingraber, Sandra. (1998). New York: Vintage Books. ISBN: 9780375700996. The perspective of a cancer survivor and concerned scientist.

Making a Real Killing: Rocky Flats and the Nuclear West. Ackland, Len. (1999). Albuquerque, N.M.: University of New Mexico Press. ISBN: 0826318770; e-book ISBN: 9780585188430. History of the Rocky Flats nuclear weapons facility during the Cold War.

Man and Nature: Or Physical Geography as Modified by Human Action. Marsh, George Perkins. (2003). Seattle, Wash.: University of Washington Press. ISBN: 9780295983165. 1869 book by an American statesman, scholar, and diplomat that aroused great contemporary interest in conservation.

My First Summer in the Sierra. Muir, John. (2004). Mineola, N.Y.: Dover Publications. ISBN: 9780486437354. Originally published in 1911. The classic account of Muir's summer spent as a sheepherder near California's Yosemite National Park. Muir founded the Sierra Club in 1892.

Our Common Future. World Commission on Environment and Development, Oxford. (1987). New York: Oxford University Press. ISBN: 9780192820808. Contains chapters on sustainable development, the international economy, population and human resources, food security, species and ecosystems, energy, industry, and proposals for institutional and legal change. Appendices contain supplementary information on legal principles for environmental protection and the Commission.

Pilgrim at Tinker Creek. Dillard, Annie. (2007). New York: Harper Perennial. ISBN: 9780061233326. Originally published in 1974. A narrative of one woman's exploration of nature in Virginia's Blue Ridge Mountains.

The Population Bomb. Revised ed. Ehrlich, Paul R. (1995). Cutchogue, N.Y.: Buccaneer Books, Inc. ISBN: 9781568495873. Originally published in 1968. Describes impending global disaster if population growth, the greenhouse effect, and dumping of toxic wastes worldwide are not curbed.

The Population Explosion. Ehrlich, Paul R. and Ehrlich, Anne H. (1991). New York: Simon and Schuster. ISBN: 9780671732943. Originally published in 1990. Describes the problems caused by the explosive growth of human population and its impacts on ecology and human communities.

Quiet Crisis and the Next Generation. Udall, Stewart L. (1988). Salt Lake City, Utah: Peregrine Smith Books. ISBN: 9780879053338. Outlines the land and people story of our nation and the need to develop a land ethic or land conscience. Contains chapters about Thomas Jefferson, Henry Thoreau, George Perkins Marsh, John Wesley Powell, Gifford Pinchot, John Muir, Theodore Roosevelt, and Frederick Law Olmsted.

A Sand County Almanac: With Essays on Conservation. Leopold, Aldo and Sewell, Michael. (2001). New York: Oxford University Press. ISBN: 9780195146172. Originally published in 1949. Traces the changes in the Wisconsin countryside during the course of a year and addresses the philosophical issues of wildlife conservation.

The Sea Around Us. Carson, Rachel. (2003). New York: Oxford University Press. ISBN: 9780195147018. Originally published in 1951. A lyrical look at the oceans, marine life, and humanity's interaction with them.

Silent Spring. 40th anniversary ed. Carson, Rachel. (2002). Boston: Houghton Mifflin. ISBN: 9780618253050. Originally published in 1962. Discusses the effects of technology and man-made chemicals, especially pesticides, on ecosystems.

Silent Spring Revisited. Marco, Gino J. (1987). Washington, D.C.: American Chemical Society. ISBN: 9780841209817. Summarizes the issues presented in Rachel Carson's *Silent Spring*, including chapters on the science and policy of pesticides, regulatory aspects of pesticide issues, environmental and human health effects of pesticide use, and overviews of pesticide use during the last two decades.

The Snow Leopard. Matthiessen, Peter. (1987). New York: Penguin. ISBN: 9780140255089. Originally published in 1978. A mystical journey through the Himalayas for a rare glimpse of the snow leopard. Along the way, the author provides a narrative of his spiritual reflections.

Turtle Island. Snyder, Gary. (1974). New York: New Directions. ISBN: 9780811205450. A poetic articulation of the author's desire to reclaim the organic and holistic environmental harmony of North America. Pulitzer Prize winner.

Walden, or Life in the Woods. Thoreau, Henry D. (2008). Radford, Va.: Wilder Publications. ISBN: 9781604592948. Originally published in 1854. Reflections on the interaction of a man and the environment.

Wilderness and the American Mind. Nash, Roderick F. (2001). New Haven, Conn.: Yale University Press. ISBN: 9780300091229. Explores the relationship between people and the wilderness in America and draws from the views of several environmentalists.

Environmental Education

Environmental education helps people gain an understanding of how individual actions affect the environment, acquire skills to weigh various sides of issues, and become better equipped to make informed decisions.

PRINT RESOURCES

Earth in Mind: On Education, Environment, and the Human Prospect. Revised ed. Orr, David W. (2004). Washington, D.C.: Island Press. ISBN: 9781559634953. Focuses on the problem of education and proposes for reorganizing the curriculum to draw out our affinity for life.

Environmental Education in the 21st Century: Theory, Practice, Progress and Promise. Palmer, Joy. (1998). New York: Routledge. ISBN: 9780415131964. Theory and models of environmental education, progress in the field and history of past developments.

Environmental Education Teacher Resource Handbook: A Practical Guide for K-12 Environmental Education. Wilke, Richard J., Editor. (1995). Milwood, N.Y.: Kraus International Publications. ISBN: 080396370X. Provides background on the US environmental studies curricula and resources for educators.

Greening the College Curriculum: A Guide to Environmental Teaching in the Liberal Arts. Collett, Jonathan and Karakashian, Stephen. (1996). Washington, D.C.: Island Press. ISBN: 9781559634212. Leading educators from a wide range of fields describe their experience introducing environmental issues into their teaching.

Hands-On Nature: Information and Activities for Exploring the Environment with Children. Revised expanded ed. Lingelbach, Jenepher and Purcell, Lisa, Editors. (2000). Woodstock, Vt.: Vermont Institute of Natural Science. ISBN: 9781584650782. Long-awaited revision of a popular book that provides information and activities to assist educators and parents in exploring the local environment with children. Grouped around five themes (Adaptations, Habitats, Cycles, Designs of Nature, and Earth and Sky), fact-filled essays introduce each subject, followed by field-tested, experiential activities that engage students in learning about the natural world.

The Make a Difference Middle School Kit (Your Life, Your World, Your Choices). EPA, Office of Solid Waste. (2003). EPA Publication No.: EPA 530-E-03-001. Targets Grades 6-8. EPA resource kit that inspires youth to reduce, reuse, and recycle at home, at school, and in their communities.

URL: <http://www.epa.gov/osw/education/mad.htm>

The Power of Change: Protecting the Environment for the Next Generation. EPA, Office of Solid Waste. (2004). EPA Publication No.: EPA 530-E-04-001. Teaches older Americans what they can do to help reduce waste and protect the environment for the next generation. Explains how to reduce waste, conserve our natural resources, and save energy.

URL: <http://www.epa.gov/osw/aging/>

The Quest for Less: Activities and Resources for Teaching K-8 (A Teachers Guide to Reducing, Reusing, and Recycling). EPA, Office of Solid Waste. (2005). EPA Publication No.: EPA 530-R-05-005. Targets Grades 6-8. Provides hands-on lessons and activities, enrichment ideas, journal-writing assignments and other educational tools and skills relating to reusing, reducing, and recycling waste. Introduces the concept of natural resources as a source for many products that become solid waste, explains the life cycle of products and the quantity and type of waste they produce, and reviews the common methods of managing waste, including composting, land filling, incinerating and preventing waste in the first place.

URL: <http://www.epa.gov/osw/education/quest/>

ELECTRONIC RESOURCES

ABC's of Environmental Education. EPA, Region 5 Office of Public Affairs. (2006). EPA Publication No.: EPA 905-K-06-001. Designed to serve as a resource for both formal and informal environmental educators, as well as others interested in environmental education. Contains lists of programs, resources, contacts, and information related to EPA's environmental education program.

URL: <http://www.epa.gov/region5/publications/abcs2006-optimized.pdf>

EE-Link. The North American Association for Environmental Education. Provides environmental education resources links, including classroom and student resources and links to regional and international sites.

URL: <http://eelink.net/>

Environmental Literacy in America: What 10 Years of NEETF/Roper Research and Related Studies Say About Environmental Literacy in the US. National Environmental Education & Training Foundation. (2005). Roper Starch Worldwide. Summary of almost a decade of NEETF collaboration with Roper Reports that provides a loud wake-up call to the environmental education community. Shows that American citizens are by and large both uninformed and misinformed on environmental topics.

URL: <http://www.neefusa.org/pdf/ELR2005.pdf>

Environment-Based Education: Creating High Performance Schools and Students.

National Environmental Education Foundation. (2000).

URL: <http://www.neefusa.org/pdf/NEETF8400.pdf>

EPA's Environmental Education Center. Curricula and activities on environmental topics.

URL: <http://www.epa.gov/teachers/>

EPA Office of Environmental Education. Targets Grades 9-12 and teachers. EPA office that advances and supports education efforts that develop an environmentally conscious and responsible public and inspire personal responsibility in caring for the environment.

URL: <http://www.epa.gov/enviroed/>

Exploring the Environment (NASA Classroom of the Future). Targets Grades 6-12. Part of NASA's "Classroom for the Future." Explores the environment and provides tools to help teachers make students more environmentally aware and to acquire the values and attitudes necessary for sustainable development. Modules encourage collaborative groups of students to conduct research in environmental areas and to generate products which demonstrate understanding.

URL: <http://www.cotf.edu/ete/modules/modules.html>

Lessons from the Environment: Why 95% of Adult Americans Endorse Environmental Education. The Ninth Annual National Report Card on Environmental Attitudes, Knowledge, and Behavior. National Environmental Education & Training Foundation. (May 2000). Roper Starch Worldwide. 2000 NEETF/Roper Survey that evaluates public attitudes and knowledge on the environment and how these characteristics have changed over the past nine years. Based on a nationally representative sample of 1,505 Americans, age 18 and older, surveyed by Roper Starch Worldwide in August 2000 by telephone.

URL: <http://www.neefusa.org/resources/roper2001-a.htm>

Planet Protectors Club. EPA, Office of Solid Waste. (1998). EPA Publication No.: EPA 530-E-98-002. Targets Grades K-5. An interactive Web site that includes challenging activity books, educational games, and fun stories. Free, hard copy Planet Protectors Club kit is also available that provides guides for elementary school students, as well as for parents, teachers, and after school leaders.

URL: <http://www.epa.gov/osw/education/kids/planetprotectors/index.htm>

National Environmental Education Week Targets Grades K-12. A week of educational preparation for Earth Day each year.

URL: <http://www.eeweek.org/>

National Wildlife Federation's Environmental Education Programs. Developed to help kids understand the ecology in the world around them and become interested in conservation of the planet's precious wildlife.

URL: <http://www.nwf.org/education/>

North American Association for Environmental Education (NAAEE). The professional association for environmental educators. Provides information on programs, conferences and to support efforts of environmental education programs.

URL: <http://naaee.org/>

Resources for the Future. Creates and disseminates information about public resource and environmental issues. Provides information to educate the public about environmental issues.

URL: <http://www.rff.org/>

US Fish and Wildlife Service, Educating for Conservation. Emphasis is on conservation of wildlife plants, fish and their natural habitats. Provides information on programming, maps, exhibits and ideas.

URL: <http://www.fws.gov/educon.html>

US Geological Survey, Educational Resources. K-12 educational resources address our changing world through biology, geology, hydrology and geography. Includes lessons, data and maps.

URL: <http://education.usgs.gov/>

Using Environment-Based Education to Advance Learning Skills and Character Development: A Report, Annotated Bibliography, and Research Guide. The North American Association for Environmental Education and the National Environmental Education Foundation. October 2001. Reports on the benefits of environment-based education.

URL: <http://www.neefusa.org/pdf/PositionStatement.pdf>

Water Sourcebook: Series of Classroom Activities. EPA, Office of Water. Contain 324 activities for grades K-12 divided into four sections: K-2, 3-5, 5-8, and 9-12. Explains the water management cycle using a balanced approach. All activities contain hands-on investigations, fact sheets, reference materials, and a glossary of terms. URL:

<http://www.epa.gov/safewater/kids/wsb/>

Environmental Equity / Environmental Justice

Environmental equity is equal protection from environmental hazards for individuals, groups or communities regardless of race, ethnicity, or economic status. Environmental justice is the fair treatment of all people regardless of race, color, national origin, or income with respect to the development, implementation, and enforcement of environmental laws, regulations, and policies. Fair treatment implies that no population of people should be forced to shoulder a disproportionate share of the negative environmental impacts of pollution or environmental hazards due to a lack of political or economic strength.

PRINT RESOURCES

Closing the Circle: Environmental Justice in Indian Country. Grijalva, James M. (2008). Durham, N.C.: Carolina Academic Press. ISBN: 9781594603419. Examines the tribal treatment-as-a-state approach that EPA developed.

Ecopolitism: Toxic Waste and the Movement for Environmental Justice. Szasz, Andrew. (1994). Minneapolis, Minn.: University of Minnesota Press. ISBN: 0816621748. Winner of the 1994-1995 Association for Humanist Sociology Book Award. Discusses the birth of a radical environmental populism through the history of the environmental justice movement.

Environmental Injustices, Political Struggles: Race, Class, and the Environment. Camacho, David E. (1998). Durham, N.C.: Duke University Press. ISBN: 9780822322252. Discusses how political, economic, social, and cultural factors contribute to consistent location of hazardous and toxic waste facilities in low-income neighborhoods. Examines the choices behind the public policy that determines placement of commercial environmental hazards.

Environmental Justice. Petrikin, Jonathan S. (1995). San Diego: Greenhaven Press. ISBN: 9781565102644. Examines claim that the wealthy and powerful have protected their own backyards at the risk of the health and living conditions of poorer neighbors.

Environmental Justice: A Matter of Perspective. National Conference of State Legislatures; Environmental Justice Group. (1995). Denver, Colo.: National Conference of State Legislatures. ISBN: 1555164293. Provides a background of the environmental justice movement and reports on federal and state work in the environmental justice area. Offers specific options for further state action.

Environmental Justice: A Reference Handbook. Newton, David E. (1996). Santa Barbara, Calif.: ABC-CLIO Inc. ISBN: 0874368480; e-book ISBN: 0585020671. Discusses the origins of and the controversy surrounding the concept of environmental justice.

Environmental Justice: Issues, Policies, and Solutions. Bryant, Bunyan. (1995). Washington, D.C.: Island Press. ISBN: 9781559634168. Leading thinkers of the environmental justice movement take a direct look at the failure of “top down” public policy to effectively deal with issues of environmental equity.

Environmental Justice and the New Pluralism: the Challenge of Difference for Environmentalism. Schlosberg, David. (2002). New York: Oxford University Press. ISBN: 9780199256419; e-book ISBN: 0199256411. 1999 edition was the first publication to offer a theoretical treatment of the environmental justice movement. Discusses environmental politics and policy, and political theory.

Environmental Justice Biennial Report 2006: Integrating Environmental Justice. EPA, Office of Environmental Justice. (2007). EPA Publication No.: EPA 300-R-07-002.

Environmental Justice Fact Sheet. EPA, Office of Environmental Justice. (1998). EPA Publication No.: EPA 300-F-96-002-R. Offers concise information on programs offered by the Environmental Justice Office within the EPA as well as contact information for regional offices.

URL:

http://www.epa.gov/compliance/resources/publications/ej/factsheets/fact_sheet_ej_98.pdf

Environmental Justice Strategy: Executive Order 12898. EPA, Office of Environmental Justice. (1995). EPA Publication No.: EPA 200-R-95-002. Describes EPA’s strategy to ensure the integration of environmental justice into the Agency’s programs, policies, and activities consistent with Executive Order 12898.

EPA’s Commitment to Environmental Justice Fact Sheet. EPA, Office of Environmental Justice. (2006). EPA Publication No.: EPA 300-F-05-002.

URL: <http://www.epa.gov/compliance/resources/publications/ej/factsheets/factsheet-commitment.pdf>

Federal Actions to Address Environmental Justice in Minority Populations and Low-Income Populations. Executive Order 12898. (1994). Signed by President Bill Clinton on February 11, 1994 to focus federal attention on the environmental and human health conditions of minority populations and low-income populations with the goal of achieving environmental protection for all communities.

URL: <http://www.epa.gov/oswer/ej/html-doc/execordr.htm>

From the Ground Up: Environmental Racism and the Rise of the Environmental Justice Movement. Cole, Luke and Foster, Sheila. (2001). New York: New York University Press. ISBN: 9780814715369. Critically examines this social movement and traces its roots. Provides case studies of communities struggling against corporate polluters.

Growing Smarter: Achieving Livable Communities, Environmental Justice, and Regional Equity. Bullard, Robert D. (2007). Cambridge, Mass.: MIT Press. ISBN: 9780262026109. Senior scholar of the environmental justice movement calls upon the smart growth movement, which aims to combat urban and suburban sprawl by promoting livable communities based on pedestrian scale, diverse populations, and mixed land use.

Justice and the Environment: Conceptions of Environmental Sustainability and Theories of Distributive Justice. Dobson, Andrew. (1999). New York: Oxford University Press. ISBN: 0198294824; e-book ISBN: 9780198294825. New study exploring the relationship between environmental sustainability and social justice.

Justice, Society, and Nature: An Exploration of Political Ecology. Low, Nicholas and Gleeson, Brendan. (1998). New York: Routledge. ISBN: 0415145163. Winner of the 1999 International Studies Association Harold and Margaret Sprout Award for the Best Book in the Field of International Environmental Politics. Explores the issues of environment and development, fair treatment of humans and non-humans, and the justice of the social and economic systems which affect health and human safety.

Law of Environmental Justice: Theories and Procedures to Address Disproportionate Risks. 2nd ed. Gerrard, Michael and Foster, Sheila. (2008). Chicago: American Bar Association. ISBN: 1604420839. Provides an in-depth look at this emerging area of law. Geared to attorneys who counsel environmental groups and to individuals who have been harmed or are at-risk for exposure. Includes information on regulatory agencies, statutory tools, and procedural steps needed to take action.

The Promise and Peril of Environmental Justice. Foreman, Christopher H. (1998). Washington, D.C.: Brookings Institution. ISBN: 0815728786. Critique of environmental justice advocacy. Asserts that the environmental justice movement is structurally and ideologically unable to generate a focused policy agenda.

The Struggle for Ecological Democracy: Environmental Justice Movements in the United States. Faber, Daniel J. (1998). New York: Guilford Press. ISBN: 9781572303416. Leading scholars and activists provide an ecosocialist perspective on the goals, strategies, and accomplishments of the environmental justice movement.

Toward Environmental Justice: Research, Education, and Health Policy Needs. Institute of Medicine, Committee on Environmental Justice. (1999). Washington, D.C.: National Academies Press, ISBN: 0309064074; e-book ISBN: 9780585047300. Offers detailed examinations in identifying environmental hazards and assessing risk for populations of varying ethnic, social, and economic backgrounds.

Unequal Protection, Environmental Justice, and Communities of Color. Bullard, Robert D. (1996). San Francisco: Sierra Club Books. ISBN: 0871563800. Documents the struggles that led to the First National People of Color Environmental Leadership Summit. Challenges leaders to develop effective strategies to combat pollution's impact.

ELECTRONIC RESOURCES

Brownfields Home Page. Contains descriptive information about this EPA initiative, overviews of national and regional pilot projects and a list of brownfields contacts.

URL: <http://www.epa.gov/brownfields/>

Department of Justice - Environment and Natural Resources Division (ENRD). Provides an overview of the ENRD and highlights of recent environmental litigation.

URL: <http://www.usdoj.gov/enrd/index.html>

EJBib. EPA, Office of Environmental Justice. A fully-indexed bibliography of published materials relating to environmental justice, as well as such related topics as risk assessment and social justice.

URL: <http://cfpub.epa.gov/ejbib/>

Enviro-Health Links - Environmental Justice. National Library of Medicine. Annotated Weblibliography of environmental justice Web sites, predominantly US government.

URL: <http://sis.nlm.nih.gov/enviro/environmentaljustice.html>

Environmental Justice Information Resources. EPA, Office of Environmental Justice. Points to environmental justice resources, including Frequently Asked Questions, publications, policy and guidance documents, reports, newsletters and listservs.

URL: <http://www.epa.gov/compliance/resources/ej.html>

Environmental Justice. EPA, Office of Solid Waste and Emergency Response (OSWER). Describes accomplishments, contacts and publications on environmental justice from the perspective of OSWER.

URL: <http://www.epa.gov/osw/wyl/envjustice.htm>

EPA Office of Environmental Justice (OEJ). Provides access to materials documenting EPA's activities and accomplishments in the area of environmental justice.

URL: <http://www.epa.gov/compliance/environmentaljustice/index.html>

EPA Office of Solid Waste and Emergency Response (OSWER) Environmental Justice. Describes accomplishments, contacts and publications on environmental justice from the perspective of the Office of Solid Waste and Emergency Response.

URL: <http://www.epa.gov/oswer/ej/index.html>

Working Group on Environmental Justice. Examines issues of environmental justice within the US and around the world. Includes a research bibliography series, a papers in progress series, and a document archive and reference series.

URL: <http://ecojustice.net/>

Environmental Law, Legislation and Regulations

EPA came into being through legislation passed in 1970, alongside the National Environmental Policy Act (NEPA) and the National Environmental Education Act. The Agency was authorized by Congress to create and enforce regulations in order to put environmental laws into effect. EPA regulations cover a range of environmental and public health protection issues, from setting standards for clean water to specifying cleanup levels for toxic waste sites to controlling air pollution from industry and other sources. The titles in this section contain information sources on related laws, legislation, and regulations.

PRINT RESOURCES

Code of Federal Regulations. Title 40. Washington, D.C.: GPO.
URL: <http://www.gpoaccess.gov/CFR/INDEX.HTML>

***The Complete Guide to Hazardous Waste Regulations: RCRA, TSCA, HTMA, EPCRA, and Superfund.** 3rd ed. Wagner, Travis P. (1999). New York: Wiley. ISBN: 0471292486. In-depth survey of federal hazardous waste regulations.

Chemical Regulation Reporter. [Serial]. Environmental and Safety Services Staff, Bureau of National Affairs. Annual Subscription. (1977-). ISSN: 01487973. Weekly review of activity affecting chemical users and manufacturers that provides information relating to federal chemical regulations. The Index to Chemical Regulations volume is a valuable guide to the regulations governing specific chemicals.

Enforcement at the EPA: High Stakes and Hard Choices. Mintz, Joel A. (1995). Austin, Texas: University of Texas Press. ISBN: 0292751877. Offers a history of the enforcement of federal environmental standards by EPA. Explores the historical evolution of the agency, how to evaluate regulatory enforcement effectiveness, and how to improve EPA's long-term enforcement effectiveness.

Environment Reporter. [Serial]. (1970-). Washington, D.C.: Bureau of National Affairs. ISSN: 00139211. Provides information on current environmental legislation, regulations, enforcement actions and litigation of federal and state laws.

Environmental Impact Statements. 2nd ed. Bregman, Jacob I. (1990). Boca Raton, Fla.: Lewis Publishers. ISBN: 1566703697. Discusses the preparation of the environmental impact statement: the purpose, legal basis, and public participation, together with consideration of aspects of the natural environment and the man-made environment.

Environmental Law and Compliance Handbook. Berry, James F. (2006). New York: McGraw-Hill. ISBN: 0071340947. Contains text for environmental professionals navigating the complex maze of environmental laws and regulations. Includes a section on international laws and regulations. An extremely useful desk reference, written in straightforward style.

Environmental Law Institute (ELI) Deskbooks. ELI publishes deskbooks in this series for several environmental statutes. Each provides information on the provisions, intent, and effects of the law under consideration, includes the full text of each Act, the principal legislative history, and sample documents.

***Biotechnology Deskbook.** Anderson, William L. (2001). Washington, D.C.: Environmental Law Institute. ISBN: 9781585760299.

***Environmental Law Deskbook.** 8th ed. (2007). Washington, D.C.: Environmental Law Institute. ISBN: 9781585761159. Contains the full text of 22 environmental acts, together with sections on administrative, judicial, and congressional review.

Nanotechnology Deskbook. Bergeson, Lynn L. and Tracy Hester. (2008). Washington, D.C.: Environmental Law Institute. A reader-friendly book that discusses trends and issues with nanotechnology. ISBN: 9781585761234.

***NEPA Deskbook.** 3rd ed. (2003). Washington, D.C.: Environmental Law Institute. ISBN: 9781585760565. Covers the National Environmental Policy Act.

Oil Pollution Deskbook. (1991). Washington, D.C.: Environmental Law Institute. ISBN: 9780911937398.

Pesticide Regulation Deskbook. (2001). Washington, D.C.: Environmental Law Institute. ISBN: 9781585760138.

TSCA Deskbook. (2007). Brown, Elizabeth C. Washington, D.C.: Environmental Law Institute. ISBN: 9780911937831. Covers the Toxic Substances Control Act.

Environmental Law Reporter. [Serial]. (1971-). Washington, D.C.: Environmental Law Institute. ISSN: 00462284. Annual Subscription. Analyzes current legal issues and provides the text of Federal laws, regulations, administrative guidance in force and court decisions.

Environmental Permitting Handbook. Greenway, A. Roger, Editor. (2000). New York: McGraw Hill. ISBN: 0070248249. Compliance-securing guide for environmental consultants or engineers, managers, regulators, or others seeking environmental permits. Covers permits from many federal and state agencies. Demonstrates how to prepare plans, calculated required figures, and more.

Environmental Regulation of Real Property. [Looseleaf]. Revised ed. (2002-). Robinson, Nicholas A. and Reilly, Kevin. New York: Law Journal Seminars Press. ISBN: 1588520161. Includes chapters on environmental impact assessment, flood plain controls, wetlands, aquifer protection, wildlife, and coastal zone management.

Environmental Statutes. (2008). Lanham, Md.: Government Institutes. ISBN: 9780865871953.

***Federal Environmental Laws.** [Serial]. (1987-). St. Paul, Minn.: Thomson West. ISSN: 1045408X.

***Federal Register.** Superintendent of Documents. [Serial]. (1936-). Washington, D.C.: GPO. ISSN: 00976326. Published each federal work day. Includes proposed and final rules by Federal regulatory agencies and notices of public hearings on the rules; presidential proclamations and executive orders; and decisions of fact-finding bodies. URL: <http://www.gpoaccess.gov/fr/>

Federal Register: What It Is and How to Use It. Wickliffe, Jim and Sowada, Ernie. (1994). Washington, D.C.: GPO. ISBN: 0160360137. A guide for users of the Federal Register (FR) and Code of Federal Regulations (CFR) that describes the types of documents published in the FR and their relationship to the CFR.

Law of Chemical Regulation and Hazardous Waste. [3 Looseleaf Vols]. Stever, Donald W. (1986-). St. Paul, Minn.: West Group. ISBN: 0876324952. Contains chapters on the regulation of chemicals under the Toxic Substances Control Act (TSCA) and the Consumer Product Safety Act (CPSA), on toxic and hazardous air emissions, and on worker exposure to chemicals. Includes a table of cases.

Law of Environmental Protection. [3 Looseleaf Vols]. Novick, Sheldon M., Stever, Donald W. and Mellon, Margaret G. (1982-). St. Paul, Minn.: Thomson/West. ISBN: 087632541X. Provides detailed guidance on pollution controls, regulation of hazardous and toxic substances, permitting systems, EPA review programs, licensing, key EPA procedural issues, and new case law developments.

Lead Regulation Handbook. Shea, Edward E. (2007). Washington, D.C.: Government Institutes. ISBN: 9780865871618.

Nutshell Series by West Publishing Company. Titles in the series are monitored annually and replaced by the publisher when out of date. They provide a good basic introduction to environmental law in each of the areas as described in the titles.

Administrative Law and Process in a Nutshell. 5th ed. Gelihorn, Ernest and Levin, Ronald M. (2006). St. Paul, Minn.: Thomson/West. ISBN: 9780314144362.

Environmental Law in a Nutshell. 6th ed. Findley, Roger W. and Farber, Daniel A. (2004). St. Paul, Minn.: Thomson/West. ISBN: 0314151761.

Law of Hazardous Wastes and Toxic Substances in a Nutshell. 2nd ed. Sprankling, John G. and Weber, Gregory S. (1997). St. Paul, Minn.: Thomson/West. ISBN: 9780314167309.

Oil and Gas Law in a Nutshell. 4th ed. Lowe, John S. (2003). St. Paul, Minn.: Thomson/West. ISBN: 9780314144553.

Public Natural Resources Law. [Looseleaf]. Coggins, George Cameron. (1990). St. Paul, Minn.: Thomson/West. ISBN: 0876326890. Basic reference covering federal lands and resources. Contains information on preservation and management of selected lands, resources and endangered species; and surface and mineral resources.

RCRA Regulations and Keyword Index. [Serial]. (2001-). New York: Aspen Law and Business. ISSN 10741364. A guide to the terminology and concepts used in the Resource Conservation Recovery Act (RCRA) and related publications.

***Selected Environmental Law Statutes.** [Serial]. (1988-). St. Paul, Minn.: Thomson/West. ISSN: 10766936. Annual publication provides text and descriptive summaries for major public laws relating to the environment.

State Environmental Law. [Looseleaf]. Selmi, Daniel P. and Manaster, Kenneth A. St. Paul, Minn.: Thomson/West. (1989-). ISBN: 0876326920. Describes the process by which environmental standards are set and enforced in all fifty states.

Superfund Law and Procedure. [2 Vols]. Topol, Allan; Snow, Rebecca and Broun, Caroline N. (2007). St. Paul, Minn.: Thomson/West. ISBN: 9780314964571.

Toxics Law Reporter. [Serial]. (1986-). Washington, D.C.: Bureau of National Affairs. ISSN: 08877394. A weekly review of toxic torts, hazardous waste, and litigation.

LEGISLATIVE HISTORIES

A list of legislative histories compiled for environmental acts since the inception of the EPA.

Congressional Information Service Index to the Publications of the United States Congress. [Serial]. (1970-). Washington, D.C.: Congressional Information Service. ISSN: 00078514. Monthly publication contains indexes and abstracts to the working papers of the US Congress, including hearings, reports, committee prints, and others.

Congressional Record, Office of the Federal Register. [Serial]. (1873-). ISSN: 03637239. A near-verbatim account of debates and proceedings on the floor of the House and the Senate during open sessions of Congress. Includes a miscellany of material on topics submitted for the record.

URL: <http://thomas.loc.gov/home/r110query.html>

Legislative History of the Coastal Zone Management Act of 1972 as Amended in 1974 and 1976 with a Section-by-section Index. (1976). Washington, D.C.: GPO.

Legislative History of the Comprehensive Environmental Response, Compensation, and Liability Act of 1980. (1983). Washington, D.C.: GPO.

Legislative History of the Endangered Species Act of 1972 as Amended. (1982). Washington, D.C.: GPO, 1982.

Legislative History of the Noise Control Act of 1972. (1974). Washington, D.C.: GPO.

Legislative History of the Safe Drinking Water Act. (1982). Washington, D.C.: GPO.

Legislative History of the Safe Drinking Water Act Amendments. (1993). Washington, D.C.: GPO.

Legislative History of the Solid Waste Disposal Act as Amended. (1974). Washington, D.C.: GPO.

Legislative History of the Superfund Amendments and Reauthorization Act of 1986. (1986). Washington, D.C.: GPO.

Legislative History of the Toxic Substances Control Act as Amended. (1976). Washington, D.C.: GPO.

Legislative History of the Water Pollution Control Act Amendments of 1972. (1972). Washington, D.C.: GPO.

Legislative History of the Water Quality Act of 1987. (1988). Washington, D.C.: GPO.

US Code Congressional and Administrative News. [Serial]. (1952-). St. Paul, Minn.: Thomson/West. ISSN: 15486885. Contains the full text of public laws, legislative histories, executive orders, presidential proclamations, administrative regulations, messages from the president, and popular names of laws. A list of legislative histories compiled for environmental acts since the inception of the EPA.

ELECTRONIC RESOURCES

Major Environmental Laws. EPA. Summaries of the major statutes for which EPA has responsibility. Includes links to the full text of the laws.
URL: <http://www.epa.gov/lawsregs/laws/index.html>

National Environmental Scorecard. League of Conservation Voters. Identifies significant votes and co-sponsorship of environmental legislation by members of Congress.
URL: <http://www.lcv.org/scorecard/>

Office of Management and Budget. Provides information on the Office of Management and Budget (OMB)'s role, mission, and organizational structure, the full text of the Federal budget and related documents, and selected OMB circulars and bulletins.
URL: <http://www.whitehouse.gov/OMB/>

Thomas: Legislative Information on the Internet. Library of Congress. Provides the full text of bills and legislation-related summaries in electronic form.
URL: <http://thomas.loc.gov/>

US House of Representatives. Provides electronic access to documents produced by the House and a Web page for each representative and committee.
URL: <http://www.house.gov/>

US Senate. Provides electronic access to documents produced by the Senate and a Web page for each Senator and committee.
URL: <http://www.senate.gov/>

Environmental Management and Policy

Environmental Management involves creating plans and implementing policies that allow for the use of environmental assets and natural resources while ensuring sustainability. The following titles address the economic, legal, and policy aspects of environmental management.

PRINT RESOURCES

Blue Revolution: Land Use and Integrated Water Resources Management. 2nd ed. Calder, Ian. (2005). London: Earthscan Publications Ltd. ISBN: 1844072398. Provides evidence of the need to integrate land management decision making into the process of integrated water resources management. Presents the key issues involved in finding the balance between the competing demands for land and water. Also advocates the means and methodologies for addressing them.

Consolidated List of Products Whose Consumption and/or Sale has been Banned, Withdrawn, Severely Restricted, or not Approved by Governments – Chemicals. 11th ed. United Nations. (2005). ISBN: 9789211302387. Covers pharmaceutical, agricultural, industrial and consumer products regulated because of their chemical composition.

Earth in the Balance: Ecology and the Human Spirit. Revised ed. Gore, Al. (2000). Boston: Houghton Mifflin. ISBN: 0618056645. Outlines environmental problems such as groundwater contamination, global warming, and hazardous waste. Proposes actions and solutions.

Environmental Valuation: Interregional and Intraregional Perspectives. Carruthers, John I. and Mundy, Bill, Editors. (2006). Burlington, Vt.: Ashgate. ISBN: 0754644715.

Facing Tomorrow's Challenges: US Geological Survey Science in the Decade 2007-2017. Department of the Interior, US Geological Survey. (2007). The first comprehensive science strategy since the early 1990s to examine critically major USGS science goals and priorities.

URL: <http://pubs.usgs.gov/circ/2007/1309/pdf/C1309.pdf>

New Approaches on Energy and the Environment: Policy Advice for the President. Morgenstern, Richard D. and Portney, Paul. (2004). Washington, D.C.: Resources for the Future Press. ISBN: 1933115017. Written by an internationally-renowned team of economists and policy analysts at Resources for the Future, a Washington DC think-tank with a tradition for independent, objective research. Collection of twenty-five "memos to the President" offers constructive policy options for the elected administration on critical challenges related to energy, the environment, and natural resources.

Policy Options for Reducing CO(2) Emissions. Dinan, Terry. (2008). Washington, D.C.: US Congressional Budget Office. Explores programs designed to create incentives for businesses and individuals to reduce carbon dioxide emissions. Compares several policy options on the basis of their potential to reduce emissions, their administrative costs, and their consistency with incentives in other countries.
URL: <http://www.cbo.gov/doc.cfm?index=8934>

Practical Guide to Environmental Management. 10th ed. Friedman, Frank B. (2006). Washington, D.C.: Environmental Law Institute. ISBN: 1585760978. Includes an historical review of environmental law and management programs. Outlines the basics of a corporate environmental management program, waste minimization programs, and the environmental impact statement process.

Small is Beautiful: Economics as if People Mattered. Schumacher, Ernst F. (1991). New York: HarperPerennial. ISBN: 0060916303. Originally published in 1973. A discourse on economics and the proper use of land and natural resources.

Small is Beautiful: Economics As If People Mattered: 25 Years Later...With Commentaries. Schumacher, Ernst F. (1999). Point Roberts, Wash.: Hartley & Marks Publishers. ISBN: 0881791695.

Valuing Ecosystem Services: Toward Better Environmental Decision-Making. Committee on Assessing and Valuing the Services of Aquatic and Related Terrestrial Ecosystems. (2005). Washington, D.C.: National Academies Press. ISBN: 030909318X. This report identifies methods for assigning economic value to ecosystem services—even intangible ones—and calls for greater collaboration between ecologists and economists in such efforts.

Water for Life: Water Management and Environmental Policy. Wescoat, James L. and White, Gilbert F. (2003). New York: Cambridge University Press. ISBN: 0521369800.

Environmental Risk Assessment and Management

Risk is a measure of the probability that damage to life, health, property, and/or the environment will occur as a result of a given hazard. Environmental risk assessment is the qualitative and quantitative evaluation of the risk posed to human health and/or the environment by the actual or potential presence and/or use of specific pollutants. Environmental risk management is the process of evaluating and selecting alternative regulatory and non-regulatory responses to environmental risk.

PRINT RESOURCES

Calculated Risks: The Toxicity and Human Health Risks of Chemicals in our Environment. 2nd ed. Rodricks, Joseph V. (2007). New York: Cambridge University Press. ISBN: 9780521783088. Explains science behind toxicology, risk assessment, and risk management. Easy to understand language, fair and balanced coverage of topics.

Ecological Risk Assessment. 2nd ed. Suter, Glenn W. (2007). Boca Raton, Fla.: Lewis Publishers. ISBN: 9781566706346. Explains how to perform ecological risk assessments and gives assessors access to the full range of useful data, models and conceptual approaches needed to perform an accurate assessment.

Ecological Risk Assessment: Federal Guidelines. EPA. (2000). Rockville, Md.: Government Institutes. ISBN: 0865876932. A guide to evaluating and organizing data, information, assumptions and uncertainties to better understand the relationships between human-induced changes and their ecological effects.

Ecological Risk Assessment for Contaminated Sites. Suter, Glenn W. (2000). Boca Raton, Fla.: Lewis Publishers. ISBN: 1566705258. (Sequel to *Ecological Risk Assessment*, 1992). Covers ecological, environmental, risk, and impact assessments conducted at contaminated sites. Follows the structure of EPA's framework for ecological risk assessment.

Ecological Risk Evaluation of Polluted Soils. Riviere, Jean-Louis. (2000). Brookfield, Vt.: Balkema Publishers. ISBN: 9054107960. Presents a holistic view of the fundamental principles and practicable methods in the case of polluted soils.

Exploring Risk Communication. Gutteling, Jan M. and Wiegman, Oene. (1996). Kluwer Academic. ISBN: 0792340655. Provides a review of current research in risk communication, focusing on perceived trust and credibility of risk communication sources, and arguments in risk messages, risk comparison, and framing of risk.

Framework for Environmental Health Risk Management/Risk Assessment and Risk Management in Regulatory Decision-Making, Final Report. [2 Vols]. (1997). US Presidential/Congressional Commission on Risk Assessment and Risk Management. Reprinted by Diane Publishing. ISBN: 9780788127755. Volume 1 was prepared for regulatory authorities and those who participate in the risk management process. Includes a glossary and list of resource documents and organizations. Volume 2 addresses issues related to health and environmental risk-based decisions and provides guidance on how to approach risk assessment.

URL: <http://www.riskworld.com/Nreports/1997/risk-rpt/html/epajana.htm>

Fundamentals of Risk Analysis and Risk Management. Molak, Vlasta. (1997). Boca Raton, Fla.: Lewis Publishers. ISBN: 1566701309. Contains contributions by some of the world's leading experts. Broad coverage ranges from basic theory of risk analysis to practical applications, risk perception, legal and political issues, and risk management.

The Greening of Industry: A Risk Management Approach. Graham, John D. (1997). Cambridge, Mass.: Harvard University Press. ISBN: 0674363272. Presents six case studies of how federal risk-based regulation has encouraged industry's investment in pollution control.

Guidelines for Ecological Risk Assessment. EPA. (1998). EPA Publication No.: EPA 630-R-95-002F. Developed to help improve the quality and consistency of EPA's ecological risk assessments. Covers problem formulation, analysis and risk characterization.

URL: <http://nepis.epa.gov/Exe/ZyPURL.cgi?Dockey=30004XFR.txt>

Handbook for Environmental Risk Decision Making: Values, Perceptions, and Ethics. Cothorn, C. Richard. (1996). Boca Raton, Fla.: Lewis Publishers. ISBN: 1566701317. Describes the broad aspects of risk management involving scientific policy judgment, uncertainty analysis, perception considerations, statistical insights, and strategic thinking.

Handbook of Chemical Risk Assessment. [3 Vols]. Eisler, Ronald. (2000). Boca Raton, Fla.: Lewis Publishers. ISBN: 1566705061. Analyzes the world literature on chemicals entering the environment from human activities. Information for each chemical includes source and use; physical, chemical, and metabolic properties; concentrations in field collections of abiotic materials and living organisms; lethal and sublethal effects; and proposed regulatory criteria for the protection of human health and natural resources.

Health and Environmental Risk Analysis: Fundamentals with Applications. Louvar, Joseph F. and Louvar, B. Diane. (1998). Prentice Hall. ISBN: 0131277391. Helps in identifying potential hazards caused by process technology; quantifying the potential consequences of a chemical release; and utilizing EPA-compliant source models.

Human Variability in Response to Chemical Exposures: Measures, Modeling, and Risk Assessment. Neumann, David A. and Kimmel, Carole A. (1998). Washington, D.C.: CRC Press. ISBN: 0849328055. Addresses the idea that individual biological differences should be reflected when assessing human health risks associated with exposure to potential toxicants in the work place, home and environment.

Pollution Risk Assessment and Management. (Ecological and Environmental Toxicology Series). Douben, Peter E.T. (1998). New York: Wiley. ISBN: 0471972975. Introduces and interprets the principles of integrated pollution control and its relationship to risk management.

Risk Analysis: A Guide to Principles and Methods for Analyzing Health and Environmental Risks. Cohrssen, John J. and Covello, Vincent T. (1999). Darby, Pa.: Diane Publishing. ISBN: 0788149989. Guidebook for understanding risk analysis. Provides an overview of risk analysis; hazard identification; risk assessment; and risk communication.

Risk Assessment and Management Handbook. Kolluru, Rao V. (1996). New York: McGraw-Hill. ISBN: 0070359873. Complete guide to handling risk-related issues across all industries. Provides practical guidance on a variety of risk assessment strategies.

Risk Assessment for Environmental Health. Robson, Mark and Toscano, William. (2007). San Francisco: Jossey-Bass. ISBN: 9780787983192. Provides guidance on current risk assessment procedures.

Risk Assessment: Logic and Measurement. Newman, Michael C. and Strojjan, Carl.L. (1998). Washington, D.C.: CRC Press. ISBN: 1575040484. Provides a current reference for those concerned with environmental contamination as it affects humans and ecosystems.

Risk Management Planning Handbook: A Comprehensive Guide to Hazard Assessment, Accidental Release Prevention, Consequence Analysis, and General Duty Clause Compliance. 2nd ed. Greenway, A. Roger. (2002). Rockville, Md.: ABS Consulting, Government Institutes. ISBN: 0865878412. Guide for businesses handling hazardous or toxic materials.

ELECTRONIC RESOURCES

Ecological Risk Analysis: Tools and Applications. Contains tools and resources for conducting ecological screening and baseline risk assessments. URL: <http://www.esd.ornl.gov/programs/ecorisk/ecorisk.html>

EPA's Risk Management Plan. EPA. Contains information pertaining to section 112(r) of the Clean Air Act and the Chemical Accident Prevention Provisions, which require facilities that produce, handle, process, distribute, or store certain chemicals to develop a Risk Management Program, prepare a Risk Management Plan (RMP), and submit the RMP to EPA.

URL: <http://www.epa.gov/emergencies/content/rmp/index.htm>

***Integrated Risk Information System (IRIS).** EPA. Database of human health effects that may result from exposure to various substances found in the environment.

URL: <http://www.epa.gov/iris/>

National Center for Environmental Assessment (NCEA). EPA, Office of Research and Development. NCEA serves as the national resource center for the overall process of human health and ecological risk assessments. Web site includes information on risk assessment guidelines, risk tools and risk assessments of toxic substances such as dioxin, lead, PCBs and perchlorate.

URL: <http://www.epa.gov/ncea/>

Risk Assessment Portal. EPA, National Center for Environmental Assessment. This site provides basic information about environmental risk assessments for the public. Additionally, the site offers a comprehensive set of links to key EPA tools, guidance and guidelines.

URL: <http://www.epa.gov/risk/>

General Reference Sources

The titles listed in this section provide basic ready reference information to support research into environmental protection and management and related fields of study.

PRINT RESOURCES

***AAAS Atlas of Population and the Environment.** Harrison, Paul; Pearce, Fred and American Association for the Advancement of Science. (2000). Berkeley, Calif.: University of California Press. ISBN: 0520230817. Describes and discusses the effects of the world's population on the earth, including its natural resources, atmosphere, ecosystems, and biodiversity. Includes a number of informative illustrations.

URL: <http://atlas.aaas.org/>

American Environmental Leaders: From Colonial Times to the Present. Becher, Anne. (2000). Santa Barbara, Calif.: ABC-CLIO. ISBN: 1576073858. Biographies of more than 350 environmentalists.

***The American Heritage Dictionary of the English Language.** 4th ed. (2006). Boston: Houghton Mifflin. ISBN: 0395825172. Contains over 70,000 entries, 4,000 full-color photographs and illustrations, and extensive usage guides.

Atlas of United States Environmental Issues. Mason, Robert J. and Mattson, Mark T. (1990). New York: Macmillan. ISBN: 0028972619. Contains information and maps, photographs, charts, graphs and diagrams on the condition of wildlife and wilderness, natural resources and energy, agricultural lands and urban centers, and analysis of contemporary issues and events.

Atlas of the World. 14th ed. George Philip & Son. (2007). New York: Oxford University Press. ISBN: 9780195334005.

The Biosphere: Protecting Our Global Environment. 4th ed. Kaufman, Donald G. and Franz, Cecilia M. Dubuque, Iowa: Kendall-Hunt. (2005). ISBN: 0757519083. Introductory environmental science with chapters on applied ecology, cultural resources, environmental education, ethics, economics, and law.

***Black's Law Dictionary.** 8th ed. Garner, Bryan A. and Black, Henry Campbell. (2004). St. Paul, Minn.: Thomson/West. ISBN: 0314151990.

***Carroll's County Directory.** [Serial]. (1995-). Bethesda, Md.: Carroll Publishing. ISSN: 10861114. Semiannual directory.

***Carroll's Federal Regional Directory.** [Serial]. (2006-). Bethesda, Md.: Carroll Publishing. ISSN: 10823182. Semiannual listing of federal officials at regional locations.

***Chicago Manual of Style.** Strunk, William. (2007). Chicago: University of Chicago Press. ISBN: 9789562913973.

Climates of the States National Oceanic and Atmospheric Administration Narrative Summaries, Tables, and Maps. 4th ed. Bair, Frank E. (2009). Detroit, Mich.: Gale Cengage. ISBN: 081030449X. Contains information from state climatological reports issued by NOAA during the 1980s including humidity, precipitation, sunshine, storms and normal, mean, and extreme temperatures.

The Complete Guide to Environmental Careers in the 21st Century. Doyle, Kevin Lee; Heizmann, Sam; Stubbs, Tanya and Sharp, Bill. (1999). Washington, D.C.: Island Press. ISBN: 1559635851. Provides detailed information about careers in hazardous waste management, environmental education, and outdoor recreation.

***Congressional Yellow Book.** [Serial]. (1976-). Washington, D.C.: Washington Monitor. ISSN: 01911422. Released quarterly.

A Dictionary of Ecology. 3rd ed. Allaby, Michael. (2005). New York: Oxford University Press. ISBN: 0198609051. Contains over 5,000 entries on all aspects of ecology and related environmental scientific disciplines such as biogeography, genetics, soil science, geomorphology, atmospheric science, and oceanography. Written in a clear, accessible style.

A Dictionary of Ecology, Evolution, and Systematics. 2nd ed., Lincoln, Roger J., Boxshall, Geoffrey Allan and Clark, Paul F. (1998). New York: Cambridge University Press. ISBN: 0521591392. Over 11,000 entries include classical disciplines (botany, zoology, bacteriology, mineralogy, paleontology, etc.) focusing particularly on concepts, strategies, and methodologies. Reflects major scientific developments, with special attention given to terminology relating to molecular techniques and to terminology generated by recent initiatives in the study of biological diversity and global climate change.

EIS: Digests of Environmental Impact Statements. [Serial]. (1979-). Herner and Company. Bethesda, Md.: Cambridge Scientific Abstracts. ISSN: 03641074. Quarterly publication cumulated annually as EIS Cumulative. Contains indexes by subject, geographic site, agency/organization, and EIS number and title.

Elsevier's Dictionary of Environment in English, French, Spanish and Arabic. Bakre, Mahmud. (1998). Amsterdam: Elsevier. ISBN: 0444829660.

***Elements of Style.** Strunk, William; White, E.B. and Kalman, Maira. (2007). New York: Penguin Press. ISBN: 9780143112723.

Encyclopedia of Biodiversity. [5 Vols]. Levin, Simon A. (2001). San Diego: Academic Press. ISBN: 0122268652. Includes more than 300 separate articles covering 20 different subject areas, from evolution to habitats to economic issues. Approximately 1,000 figures and tables complement the text, and more than 3,000 glossary entries explain key terms.

Encyclopedia of Ecology. Jørgensen, Sven Erik and Fath, Brian D. (2008). Oxford: Elsevier. ISBN: 9780444520333. Written by an international team of leading experts, includes over 500 detailed entries. Authoritative and comprehensive coverage of the complete field of ecology, from general to applied.

The Encyclopedia of Ecology & Environmental Management. Calow, Peter. (1998). Oxford: Blackwell Science. ISBN: 0865428387. Mixture of short entry definitions and long entry essays that provides a comprehensive guide to over 3,000 topics in varying levels of detail.

Encyclopedia of Environmental Information Sources. Balachandran, Sarojini. (1993). Gale Environmental Library. Detroit, Mich.: Gale Research. ISBN: 0810385686. Subject guide to environmental-related topics, with over 800 subject areas ranging from hazardous materials to alternative energy.

***Environmental Resource Handbook.** [Serial]. (2002-). Grey House Publishing, Inc. Millerton, N.Y.: Grey House Publishing. ISSN: 15497089. Annual that provides contact information for associations and organizations and includes environmental statistics.

Environmental Science: A Global Concern. 10th ed. Cunningham, William P. and Cunningham, Mary Ann. (2008). Boston: McGraw-Hill Higher Education. ISBN: 9780073051383. Provides an introductory view of essential themes in environmental science along with emphasis on details and case studies.

***Federal Yellow Book.** [Serial]. (1976-). Washington, D.C.: Washington Monitor. ISSN: 01456202. Released quarterly.

***From Research to Manuscript: A Guide to Scientific Writing.** Katz, Michael Jay. (2006). Dordrecht, The Netherlands: Springer. ISBN: 1402040458.

G. K. Hall Interdisciplinary Bibliographic Guide to Environmental Studies 2000. (2001). New York: G.K. Hall & Company. ISBN: 0783892217. Provides citations from environmental literature on a wide range of environmental-related issues and sciences.

***The New Oxford American Dictionary.** (2006). New York: Oxford University Press. ISBN: 019511227X. Includes 250,000 definitions and 9,000 biographical and geographical entries.

***The Merck Index: An Encyclopedia of Chemicals, Drugs, and Biologicals.** 14th ed. O'Neil, Maryadele J. et al. (2006). Whitehouse Station, N.J.: Merck. ISBN: 9780911910001. Contains information on more than 10,000 chemicals, drugs, biologicals, organic name reactions, miscellaneous tables, and a formula index. Also available online from Dialog and on CD-ROM.

***Physician's Desk Reference 2008.** 62nd ed. (2007). Montvale, N.J.: Thomson PDR. ISBN: 9781563636608. Includes information on more than 4,000 prescription drugs by brand and generic name, manufacturer, and product category, and provides usage information, warnings, and drug interactions. Also available on CD-ROM.

The Reporter's Environmental Handbook. 3rd ed. West, Bernadette M. (2003). New Brunswick, N.J.: Rutgers University Press. ISBN: 0813532868. Contains briefs on specific environmental issues, including automobile-caused pollution, endangered species, the greenhouse effect, oil spills, and ozone. Includes a summary of key environmental legislation, glossary, key phone numbers, abbreviations and acronyms.

***Style Manual, 2008.** (2008). Washington, D.C.: GPO. ISBN: 9780160818127.
URL: <http://purl.access.gpo.gov/GPO/LPS9006>

Scientific Style and Format: The CBE Manual for Authors, Editors and Publishers. 7th ed. Council of Biology Editors. (2006). Reston, Va.: Council of Science Editors in cooperation with the Rockefeller University Press. ISBN: 097796650X.

***Washington Information Directory.** [Serial]. (1976-). Congressional Quarterly, Inc. Washington, D.C.: CQ Press. ISSN: 08878064. Annual directory.

***World Almanac and Book of Facts, 2008.** Joyce, C. Alan, Lazzara, Elizabeth J. and Janssen, Sarah. (2008). New York: World Almanac Books. ISBN: 1600570739.

ELECTRONIC RESOURCES

The Encyclopedia of Earth. Fully searchable collection of articles from the National Council for Science and the Environment. Explores the Earth, its natural environments, and their interaction with society.
URL: <http://www.eoearth.org/>

Environmental Quality: The Annual Report of the Council on Environmental Quality. (1970-). Comprehensive review of environmental issues including air quality, biodiversity, coasts and oceans, forestry, hazardous and solid wastes, and methods of data collection and analysis. Print version ceased with 1997 issue.
URL: <http://www.whitehouse.gov/ceq/>

Hazardous Waste / Superfund

Hazardous wastes are a subset of solid wastes that pose substantial or potential threats to public health or the environment and meet any of the following criteria: - is specifically listed as a hazardous waste by EPA; - exhibits one or more of the characteristics of hazardous wastes (ignitability, corrosiveness, reactivity, and/or toxicity); - is generated by the treatment of hazardous waste; or is contained in a hazardous waste. Superfund is the EPA program that is charged with emergency and long-term removal and remedial activities for major hazardous waste sites.

PRINT RESOURCES

Analysis of State Superfund Programs: 50-State Study, 2001 Update. (2002). Washington, D.C.: Environmental Law Institute. Also published by EPA, Office of Emergency and Remedial Response. EPA Publication No.: EPA 540-R-98-048. Examines state Superfund-related statutes, program staffing and organization, sites, cleanup activities, cleanup policies and standards, public participation requirements, funding and expenditures, and enforcement tools.

Brownfields: A Comprehensive Guide to Redeveloping Contaminated Property. Davis, Todd S. and Margolis, Kevin D. (2002). Chicago: American Bar Association. ISBN: 1570739617.

Brownfields Law and Practice: The Cleanup and Development of Contaminated Land. [3 Looseleaf Vols]. Gerrard, Michael B., Editor. (1998-). New York: Matthew Bender. ISBN: 082053188X. Includes laws of all fifty states as well as federal law and practice.

Catalog of Hazardous and Solid Waste Publications. 17th ed. (2004). EPA, Office of Solid Waste and Emergency Response. EPA Publication No.: EPA 530-B-04-001.

CERCLA: Comprehensive Environmental Response, Compensation, and Liability Act (Superfund). Switzer, Carol Stern. (2008). Chicago: American Bar Association. ISBN: 9781604420234.

Chemical, Physical, and Biological Properties of Compounds Present at Hazardous Waste Sites, Final Report. EPA, Office of Solid Waste. (1989). EPA Publication No.: EPA 530-SW-89-010 and NTIS Publication No.: PB89-132203.

Cleaning Up the Nation's Waste Sites: Markets and Technology Trends. EPA, Office of Solid Waste and Emergency Response. (2004). EPA Publication No.: EPA 542-R-04-015 and NTIS Publication No: PB2005-101641.

Close Out Procedures for National Priorities List Sites. EPA, Office of Emergency and Remedial Response. (2000). EPA Publication No.: EPA 540-R-98-016.
URL: http://www.epa.gov/superfund/programs/npl_hrs/closeout/pdf/guidance.pdf

Addendum to Policy for "Close Out Procedures for National Priorities List Sites." EPA, Office of Emergency and Remedial Response. (2005). OSWER Publication No.: 9320.2-13.
URL: http://www.epa.gov/superfund/programs/npl_hrs/closeout/pdf/05addendum.pdf

Community Relations in Superfund: A Handbook. EPA, Office of Emergency and Remedial Response. (1992). EPA Publication No.: EPA 540-R-92-009 and NTIS Publication No.: PB92-963341. Provides policy and guidance for planning and conducting Superfund community relations programs, emphasizing proven approaches and activities derived from experience with EPA's Superfund program.

***The Complete Guide to Hazardous Waste Regulations: RCRA, TSCA, HTMA, EPCRA, and Superfund.** 3rd ed. Wagner, Travis P. (1999). New York: Wiley. ISBN: 0471292486. In-depth survey of federal hazardous waste regulations.

Cost Estimating Tools and Resources for Addressing Sites under the Brownfields Initiative. EPA, National Risk Management Research Laboratory. (1999). EPA Publication No.: EPA 625-R-99-001 and NTIS Publication No.: PB99-155467. Provides information about the cost-estimating process including specific tools and resources available.

EPCRA Compliance Manual: Interpreting and Implementing the Emergency Planning and Community Right-to-Know Act of 1986. Kuszaj, James M. (1997). Chicago: American Bar Association. ISBN: 1570734526. Comprehensive guide to EPCRA that reviews how EPA has interpreted and implemented the law and regulations.

Fundamentals of Hazardous Waste Site Remediation. Sellers, Kathleen. (1999). Boca Raton, Fla.: Lewis Publishers. ISBN: 9781566702812. Examines hazardous materials chemistry, hydrogeology, reaction engineering, clean-up level development, and related activities. Also includes a section on estimating cost and provides problems with solutions.

Guidance for Conducting Remedial Investigations and Feasibility Studies under CERCLA: Interim Final. EPA, Office of Emergency and Remedial Response. (1988). EPA Publication No.: EPA 540-G-89-004 and NTIS Publication No.: PB89-184626. Guidance related to the Comprehensive Environmental Response, Compensation, and Liability Act (CERLA or Superfund).

Guidance for Performing Preliminary Assessments under CERCLA. EPA, Office of Emergency and Remedial Response. (1991). EPA Publication No.: EPA 540-G-91-013 and NTIS Publication No.: PB92-963303. Guidance related to the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA or Superfund).

Guidance for Performing Site Inspections under CERCLA. EPA, Office of Emergency and Remedial Response. (1992). EPA Publication No.: EPA 540-R-92-021 and NTIS Publication No.: PB92-963375. Guidance related to the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA or Superfund).

Guide(s) for Conducting Treatability Studies under CERCLA. EPA, Office of Research and Development, Risk Reduction Engineering Laboratory. (1989-1993). Series of guides published between 1989 and 1993 on different Superfund site cleanup methods. Documents are numbered under the EPA 540 series and NTIS Publication No.: PB94-117470.

A Guide to Developing and Documenting Cost Estimates during the Feasibility Study. EPA, Office of Emergency and Remedial Response. (2000). EPA Publication No.: EPA 540-R-00-002.

URL: <http://www.epa.gov/superfund/policy/remedy/costest.htm>

Guidance for Comparing Background and Chemical Concentrations in Soil for CERCLA Sites. EPA, Office of Emergency and Remedial Response. (2002). EPA Publication No.: EPA 540-R-01-003 and NTIS Publication No.: PB2003-101680.

A Guide to Preparing Superfund Proposed Plans, Records of Decision, and Other Remedy Selection Decision Documents. EPA, Office of Emergency and Remedial Response. (1999). EPA Publication No.: EPA 540-R-98-031 and NTIS Publication No.: PB98-963241.

URL: <http://www.epa.gov/superfund/policy/remedy/rods/index.htm>

Handbook of Tools for Managing Federal Superfund Liability Risks at Brownfields and Other Sites. EPA, Office of Enforcement and Compliance Assurance. (1998). EPA Publication No.: EPA 330-B-98-001 and NTIS Publication No.: PB99-151037.

Hazard Ranking System Guidance Manual. EPA, Office of Solid Waste and Emergency Response. (1992). EPA Publication No.: EPA 540-R-92-026 and NTIS Publication No.: PB92-963377. General and technical guidance for individuals involved in determining Hazard Ranking System (HRS) scores and preparing HRS scoring packages for hazardous waste sites.

Hazardous Materials and Hazardous Waste Management. 2nd ed. Woodside, Gayle. (1991). New York: John Wiley & Sons. ISBN: 0471174491. Comprehensive guide on the management, storage and disposal of hazardous materials and waste.

Hazardous Waste Consultant. [Serial]. (1983-). New York: Aspen. ISSN: 07380232. Provides monthly in-depth coverage of technical resources and regulatory and legal issues relating to Superfund and the Resource Conservation and Recovery Act (RCRA). Includes annual regulatory interpretations index.

Hazardous Waste/Superfund Week. [Serial]. (2001-). Silver Spring, Md.: Business Publishers, Inc. ISSN: 15360946. Weekly publication covers business, technology, legislation and legal issues of interest to the hazardous waste industry, including those relating to Superfund, the Resource Conservation and Recovery Act (RCRA) and brownfields.

Innovative Site Remediation Technology. (1993-1998). Washington, D.C.: EPA, Solid Waste and Emergency Response. Annapolis, Md.: American Academy of Environmental Engineers. EPA Publication No.: EPA 542-B-93-011. Two series of monographs on site cleanup technologies prepared by the WASTECH Project under an agreement between the American Academy of Environmental Engineers (AAEE) and EPA's Office of Solid Waste and Emergency Response. The first eight-volume series was published by AAEE between 1993 and 1995; the second seven-volume series focusing on design and application was published between 1997 and 1998.

Inside EPA's Superfund Report. [Serial]. (1987-). Washington, D.C.: Inside Washington Publishers. ISSN: 10496149. Provides biweekly reporting of Superfund regulations, litigation, legislation and policies. Also includes a special section entitled "Waste Policy Alert," which focuses on issues related to the Resource Conservation and Recovery Act (RCRA).

Methods for Evaluating the Attainment of Cleanup Standards. [3 Vols]. (1989-1992). EPA, Office of Policy, Planning and Evaluation. Vol. 1 – Soils and Solid Media, EPA Publication No.: EPA 230-02-89-042 and NTIS Publication No.: PB89-234959; Vol. 2 – Ground Water, EPA Publication No.: EPA 230-R-92-014 and NTIS Publication No.: PB94-138815; Vol. 3 – Reference-Based Standards for Soils and Solid Media, EPA Publication No.: EPA 230-R-94-004 and NTIS Publication No.: PB94-176831. Discusses statistical concepts and methods used in the evaluation of the attainment of cleanup standards.

Outline of RCRA/CERCLA Enforcement Issues and Holdings. [Serial]. Washington, D.C.: Chemical Waste Litigation Reporter. ISSN: 10728961. Biannual publication that addresses the Resource Conservation and Recovery Act (RCRA) and Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA or Superfund).

RCRA Orientation Manual. EPA, Office of Solid Waste and Emergency Response. (2006). EPA Publication No.: EPA 530-R-06-003 and NTIS Publication No.: PB2007-105786. Provides introductory information on solid and hazardous waste management programs under the Resource Conservation and Recovery Act (RCRA).
URL: <http://nepis.epa.gov/Exe/ZyPURL.cgi?Dockey=2000D0V4.txt>

RCRA Permit Policy Compendium. [13 Looseleaf Vols]. EPA, Office of Solid Waste and Emergency Response. (1998). EPA Publication Nos.: EPA 530-R-98-012 and EPA 530-R-98-012A-M. Service last updated in July 1998. Provides references for regional and state permit writers on Resource Conservation and Recovery Act (RCRA) permitting policies and procedures. Contains a user's guide, keyword index, and reference memoranda, letters, Office of Solid Waste and Emergency Response (OSWER) directives and other documents organized chronologically within subject categories.

URL: <http://www.epa.gov/osw/inforesources/online/index.htm>

RCRA Public Participation Manual. EPA, Office of Solid Waste. (1996). EPA Publication No.: EPA 530-R-96-007. Addresses the Resource Conservation and Recovery Act (RCRA).

URL: <http://nepis.epa.gov/Exe/ZyPURL.cgi?Dockey=10000XNF.txt>

RCRA Regulations and Keyword Index. New York: Aspen. (2007). ISBN: 9780735566262. Previously published by McCoy and Associates.

Remedial Design/Remedial Action Handbook. EPA, Office of Emergency and Remedial Response. (1995). EPA Publication No.: EPA 540-R-95-059 and NTIS Publication No.: PB95-963307. Provides Superfund Remedial Project Managers (RPMs) with an overview of the remedial design (RD) and remedial action (RA) processes. Focuses on how an RPM can use project management principles to implement a selected remedy effectively in accordance with the Record of Decision (ROD).

URL: <http://www.epa.gov/superfund/cleanup/rdrabook.htm>

Remediation: The Journal of Environmental Cleanup Costs, Technologies and Techniques. [Serial]. (1990-). New York: John Wiley & Sons. ISSN: 10515658.

Road Map to Understanding Innovative Technology Options for Brownfields Investigation and Cleanup. 4th ed. EPA, Office of Superfund Remediation and Technology Innovation. (2005). EPA Publication No.: EPA 542-B-05-001. Provides summary data describing site conditions and key contaminants, selected remedial actions, specific performance standards for remedies and goals, and institutional controls. Includes a Record of Decision (ROD) keyword list with major keyword categories and subcategories.

URL: <http://nepis.epa.gov/Exe/ZyPURL.cgi?Dockey=2000ZOXG.txt>

Soil Screening Guidance. EPA, Office of Emergency and Remedial Response. Series of Superfund guidance documents published as OSWER directives under OSWER classification number 9355.4- as well as EPA 540 series reports or fact sheets. Developed as a tool for screening at National Priorities List (NPL) sites. Presents a framework for developing soil screening levels (SSLs), focusing primarily on a simple methodology for developing site-specific screening levels, but also including generic soil screening levels and detailed models for more complete site conditions.

URL: <http://www.epa.gov/superfund/health/conmedia/soil/index.htm>

Superfund: 20 Years of Protecting Human Health and the Environment. EPA, Office of Solid Waste and Emergency Response. (2000). EPA Publication No.: EPA 500-R-00-007.

URL: <http://www.epa.gov/superfund/programs/reforms/docs.htm>

Superfund Chemical Data Matrix (SCDM). EPA, Office of Emergency and Remedial Response. (1996). EPA Publication No.: EPA 540-R-96-028 and NTIS Publication No.: PB96-963509. A source for factor values and benchmark values applied when evaluating potential National Priorities List (NPL) sites using the Hazard Ranking System (HRS).

URL: <http://www.epa.gov/superfund/sites/npl/hrsres/tools/scdm.htm>

***Superfund Records of Decision System (RODs).** EPA, Office of Emergency and Remedial Response. These decision documents provide information on the selected remedies for cleaning up Superfund sites on the National Priorities List (NPL). Available in print and on CD-ROM from NTIS. Other online resources can be used to retrieve information on particular RODs, including ROD abstracts. These include the EPA's Online Library catalog (OLS), NTIS's EPA Superfund Publications Database, and various resources available on EPA Superfund Program's Site Information Web page.

URL: <http://www.epa.gov/superfund/sites/rods/>

***SW-846: Test Methods for Evaluating Solid Waste: Laboratory Manual Physical/Chemical Methods.** 3rd ed. EPA, Office of Solid Waste and Emergency Response. (2004). EPA Publication No.: EPA SW-846-03-03B and NTIS Publication No.: PB2003-100855. Provides test procedures used to evaluate the properties of solid waste and determine whether it is a hazardous waste as defined in the Resource Conservation and Recovery Act (RCRA) (PL-94-580).

URL: <http://www.epa.gov/epawaste/hazard/testmethods/sw846/index.htm>

Tool Kit of Information Resources for Brownfields Investigation and Cleanup. EPA Office of Solid Waste and Emergency Response. (1997). EPA Publication No.: EPA 542-B-97-001.

URL: <http://nepis.epa.gov/Exe/ZyPURL.cgi?Dockey=10002PL8.txt>

Treatment Technologies for Site Cleanup: Annual Status Report. 12th ed. EPA, Office of Solid Waste and Emergency Response; Technology Innovation Office. (2007). EPA Publication No.: EPA 542-R-07-012. Annual Status Report to reflect the inclusion of a broader range of treatment technologies.

URL: <http://nepis.epa.gov/Exe/ZyPURL.cgi?Dockey=60000M30.txt>

Understanding Oil Spills and Oil Spill Response. EPA, Office of Emergency and Remedial Response, Oil Spill Program. (1999). EPA Publication No.: EPA 540-K-99-007 and NTIS Publication No.: PB2000-963401.

URL: <http://www.epa.gov/oem/content/learning/pdfbook.htm>

ELECTRONIC RESOURCES

Agency for Toxic Substances and Disease Registry (ATSDR). Repository for environmental health and toxicology information. Also contains information on ATSDR's mission, goals, and organization structure, a glossary of terms, activities and accomplishments, and the full text of public health statements.

URL: <http://www.atsdr.cdc.gov/>

The Brownfields and Land Revitalization Technology Support Center. EPA. Cooperative effort of EPA's Office of Superfund Remediation and Technology Innovation (OSRTI), the US Army Corps of Engineers and Argonne National Laboratory. Established in 1998 and formerly called the Brownfields Technology Support Center. Works closely with EPA's Brownfields and Land Revitalization Program to provide technical support to federal, state, local, and tribal officials for matters related to the use of technology for site investigations and cleanups at brownfields, land revitalization and Superfund sites.

URL: <http://www.brownfieldstsc.org/>

Envirofacts Data Warehouse. A national information system that provides a single point of access to data extracted from seven major EPA databases.

URL: <http://www.epa.gov/enviro/>

EPA Brownfields Program. EPA. Office in charge of EPA activities relating to abandoned, idled, or under-used industrial and commercial facilities where expansion or redevelopment is complicated by real or perceived environmental contamination.

URL: <http://www.epa.gov/brownfields/>

EPA Cleanup Science & Technology. EPA, Office of Solid Waste and Emergency Response (OSWER). Links to OSWER resources (within CLU-IN, the Technology Innovation Program (TIP) and the Office of Underground Storage Tanks (OUST)) with information on the technologies and tools used by EPA to assess, clean up and monitor hazardous waste sites.

URL: <http://www.epa.gov/oswer/cleanup/science.htm>

EPA Environmental Response Team's Environmental Response Center (ERC). Information clearinghouse that supports the research and reference needs of EPA's Environmental Response Team (ERT), On-Scene Coordinators (OSCs), Remedial Project Managers (RPMs), and ERT Contractors, as well as those of other government cleanup community members. Supports a Distribution Center which supplies a wide variety of technical products, including health and safety documents, fact sheets, and standard operating procedures (SOPs) available in PDF for downloading, and CDs, DVDs and videos.

URL: <http://www.ert.org/mainContent.asp?section=Info&subsection=ERC>

EPA Federal Facilities Restoration and Reuse Office (FFRRO). EPA, Office of Solid Waste and Emergency Response. Works with the Department of Defense, the Department of Energy and other federal entities to help them develop creative, cost-effective solutions to their environmental problems caused by contamination.

URL: <http://www.epa.gov/swerffrr/>

EPA Office of Emergency Management (OEM). EPA. Office in charge of ensuring that facilities and organizations take steps to prevent oil spills, chemical accidents, and other emergencies, implement planning and preparedness requirements, and respond to environmental emergencies. Integrates the functions of the former Superfund Emergency Response Program, Oil Spill Prevention Program, and Chemical Emergency Preparedness and Prevention Office.

URL: <http://www.epa.gov/emergencies/index.htm>

EPA Office of Enforcement and Compliance Assurance (OECA). EPA. Works in partnership with EPA Regional Offices, State Governments, Tribal Governments and other Federal agencies to ensure compliance with the nation's environmental laws, including those relating to hazardous waste.

URL: <http://www.epa.gov/compliance/>

EPA Office of Solid Waste and Emergency Response (OSWER). Provides information on the activities of EPA's OSWER, including Superfund, emergency prevention and preparedness, waste issues, recycling, brownfields, and more.

URL: <http://www.epa.gov/oswer/>

EPA Office of Underground Storage Tanks (OUST). EPA. Provides current information relevant to the Federal underground storage tank (UST) program.

URL: <http://www.epa.gov/OUST/>

EPA Superfund Program. EPA. Provides an overview of the program plus access to Superfund site information, Superfund programs, accomplishments, regional Superfund programs, Superfund publications online, and links to other related information resources.

URL: <http://www.epa.gov/superfund/>

EPA Superfund Remedy Decisions (RODS). EPA. Topical links to key Office of Superfund Remediation and Technology Innovation (OSRTI) and Federal Facilities Restoration and Reuse Office (FFRRO) guidance and other related documents that are frequently used by Superfund RPMs when addressing and selecting remedial solutions at contaminated private and federal facility sites. May also provide useful information for sites cleaned up under other authorities such as the Resource Conservation and Recovery Act (RCRA). See especially the links under the heading entitled Technology Considerations.

URL: <http://www.epa.gov/superfund/policy/remedy/sfremedy/index.htm>

EPA Superfund Site Information Site. EPA. View or download information about the nation's hazardous waste sites, including those on the National Priorities List (NPL). Options include database queries (CERCLIS and ROD Abstracts), text reports, and maps. URL: <http://www.epa.gov/superfund/sites/>

Hazardous Waste Clean-Up Information. Provides a tremendous amount of information about innovative treatment and site characterization technologies and serves as a resource for all waste remediation stakeholders. URL: <http://www.cluin.org/>

RCRA Online. EPA. An electronic database that contains thousands of letters, memoranda, and questions and answers pertaining to the Resource Conservation and Recovery Act (RCRA). EPA merged the RCRA Permit Policy Compendium into RCRA Online to provide the regulated community with one-stop access to information. URL: <http://www.epa.gov/epawaste/inforesources/online/index.htm>

Risk Assessment Guidance for Superfund (RAGS). EPA, Office of Emergency and Remedial Response. Multi-volume set of guidance documents developed to provide a consistent framework to evaluate and communicate the risks posed by hazardous waste sites to humans and the environment. Initial volumes published in 1989, followed by numerous others. RAGS documents have been classified together as OSWER directives in category 9285.7. Issued also as EPA 540 series reports or fact sheets. URL: <http://www.epa.gov/oswer/riskassessment/ragse/>

State Coalition for Remediation of Drycleaners. Established in 1998 with support from EPA's Office of Superfund Remediation and Technology Innovation. Comprised of representatives of states with established drycleaner remediation programs. Participation is also open to states without drycleaner-specific programs that are active in the remediation of drycleaner sites under other authorities. Primary objectives are to provide a forum for the exchange of information and the discussion of implementation issues related to established state drycleaner programs, to share information and lessons learned with states without drycleaner-specific programs, and to encourage the use of innovative technologies in drycleaner remediation. URL: <http://www.drycleancoalition.org/>

Superfund Risk Assessment Program. EPA. Provides information on Superfund's Risk Assessment Program and access to databases, policy and guidance documents, and calculation tools for human and ecological risk assessment. URL: http://www.epa.gov/oswer/riskassessment/risk_superfund.htm

Underground Storage Tanks Remediation/Cleanup Technologies. EPA. Focuses on corrective action technologies at petroleum release sites with both EPA and non-EPA resources. URL: <http://www.epa.gov/oust/cat/REMEDIAL.HTM>

Health Effects

Health effects result from exposure to a source and lead to anatomical, functional, or psychological changes that may affect the performance of the whole organism. EPA studies the human health effects of chemicals and other pollutants and produces fact sheets containing information on the reproductive effects, carcinogenicity and effects on children of specific substances. Resources in this section relate to the study, detection, and reporting of environmental health effects.

PRINT RESOURCES

Annual Report on Carcinogens. [2 Vols]. (1980-1994). US Department of Health and Human Services/Public Health Services, National Toxicology Program. ISSN: 02722836. Biannual compilation of data on the carcinogenicity of substances in humans and/or animals, the potential for exposure, and regulations promulgated by federal agencies to limit exposures. Available from the National Institute for Environmental Health Sciences, Central Data Management.

URL: <http://ntp.niehs.nih.gov/go/roc>

Assessment of Chemical Exposures: Calculation Methods for Environmental Professionals. Daugherty, Jack E. (1998). Boca Raton, Fla.: Lewis Publishers. ISBN: 9781566702164.

ATSDR Public Health Assessment Guidance Manual. US Agency for Toxic Substances and Disease Registry. (1992). Boca Raton, Fla.: CRC Press. ISBN: 9780873718577. Provides information needed to evaluate the public health implications of hazardous waste sites and an overview of the health assessment process.

URL: <http://www.atsdr.cdc.gov/HAC/PHAmmanual/index.html>

Calculated Risks: The Toxicity and Human Health Risks of Chemicals in our Environment. 2nd ed. Rodricks, Joseph V. (2007). New York: Cambridge University Press. ISBN: 9780521783088. Explains the science behind toxicology, risk assessment, and risk management. Easy to understand language, fair and balanced coverage of topics.

***Casarett and Doull's Toxicology: The Basic Science of Poisons.** 7th ed. Casarett, Louis J., Doull, John and Klaassen, Curtis D. (2008). New York: McGraw Hill. ISBN: 9780071470513. Describes the elements of toxicology and the actions of the toxins. Authoritative text in the field of toxicology.

***Chemical Warfare Agents: Toxicology and Treatment.** 2nd ed. Marrs, Timothy C. et al. (2007). Hoboken, N.J.: Wiley. ISBN: 9780470013595. Comprehensive guide to chemical warfare agents, including dispersion, environmental fate, and toxicology, as well as management information for chemical warfare events.

The Chemistry of Environmental Tobacco Smoke: Composition and Measurement. 2nd ed. Jenkins, Roger A., Guerin, Michael R. and Tomkins, Bruce A. (2000). Boca Raton, Fla.: Lewis Publishers. ISBN: 9781566705097. Includes sections on background contaminants in indoor air, properties of Environmental Tobacco Smoke (ETS), sampling and analysis, and field studies.

Clinical Toxicology of Commercial Products: Acute Poisoning. 4th ed. Gosselin, Robert E. and Gleason, Marion N. (1976). Baltimore, Md.: Williams and Wilkins. ISBN: 0683036319. [Out of Print].

A Comprehensive Guide to the Hazardous Properties of Chemical Substances. 3rd ed. Patnaik, Pradyot. (2007). Hoboken, N.J.: Wiley. ISBN: 9780471714583. Provides information about chemical structures of compounds, showing relationships between structure and toxic or hazardous properties.

CRC Handbook of Toxicology. 2nd ed. Derelanko, Michael J. and Hollinger, Manfred A. (2002). Boca Raton, Fla.: CRC Press. ISBN: 9780849303708. Emphasis on reference use, with majority of information presented in tables.

Developmental and Reproductive Toxicology: A Practical Approach. 2nd ed. Hood, Ronald D. (2006). Boca Raton, Fla.: Taylor & Francis. ISBN: 9780849312540.

Drinking Water and Health. [9 Vols]. National Research Council/National Academy of Sciences. (1977-1989). Washington, D.C.: National Academies Press. ISBN: 0309026199. A series of reports from the Safe Drinking Water Committee at the National Academy of Sciences. Topics include pharmacokinetics, disinfectants and their by-products, and risk assessment.

Drinking Water Regulations and Health Advisories. EPA, Office of Water. (2006). EPA Publication No.: EPA 822-R-06-013. Last print edition was 2006. Lists all contaminants that have health advisories including MCLs and MCGLs. Includes notations indicating the regulatory status of the contaminant.

URL: <http://www.epa.gov/ost/drinking/standards/>

Endocrine Disruptors: Effects on Male and Female Reproductive Systems. 2nd ed. Naz, Rajesh K. (2005). Boca Raton, Fla.: CRC Press. ISBN: 9780849322815.

Environmental Medicine: Integrating a Missing Element into Medical Education. Pope, Andrew MacPherson and Rall, David P. (1995). Washington, D.C.: National Academies Press. ISBN: 9780309051408. Reports on integrating environmental medicine into medical school curricula. Includes appendices with case studies, lists of resources and agencies, organizations, services, references and tables of environmental health hazards.

***First Responders Guide to Weapons of Mass Destruction (WMD): Practical Techniques and Procedures for Responding to a Terrorist Incident Involving WMD.** Adams, Jeffrey A. and Marquette, Stephen. (2002). Alexandria, Va.: American Society for Industrial Security. ISBN: 9781887056151.

Fundamentals of Ecotoxicology. 2nd ed. Newman, Michael C. (2002). Boca Raton, Fla.: Lewis Publishers. ISBN: 9781566705981.

Glossary of Terms Related to Health, Exposure and Risk Assessment, Air Risk Information Support Center. EPA. (1988). EPA Publication No.: EPA 450-3-88-016 and NTIS Publication No.: PB89-184584. Defines terms commonly used in health, exposure, and risk assessments for toxic air pollutants.

Goldfrank's Toxicologic Emergencies. 8th ed. Goldfrank, Lewis R. and Flomenbaum, Neal. (2006). New York: McGraw-Hill. ISBN: 9780071437639.

Guidelines for Carcinogen Risk Assessment. EPA. (2005). EPA Publication No.: EPA 630-P-03-001B. These guidelines revise and replace the EPA's Guidelines for Carcinogen Risk Assessment, published in 51 FR 33992, September 24, 1986 and the 1999 interim final guidelines.
URL: <http://www.epa.gov/IRIS/cancer032505.pdf>

Handbook of Analytical Toxicology. Sunshine, Irving. (1969). Cleveland, Ohio: Chemical Rubber Co. Contains data on the analysis of drugs, environmental hazards, economic poisons and industrial chemicals. Includes summaries of published methods for the detection of hazardous chemicals. [Out of Print].

Handbook of Carcinogen Testing. 2nd ed. Milman, Harry A. and Weisburger, Elizabeth A. (1994). Park Ridge, N.J.: Noyes. ISBN: 9780815513568. Contains sections on predicting carcinogenicity of substances from their structure, epidemiological investigations, bioassays, risk estimation, industry perspective, and regulatory implications.

Handbook of Ecotoxicology. 2nd ed. Hoffman, David J. (2003). Boca Raton, Fla.: Lewis Publishers. ISBN: 9781566705462.

Handbook of Toxicology. Negherbon, William O. and Spector, William S., Editors. (1956-1959). Philadelphia, Pa.: Saunders. Prepared under the direction of the Committee on the Handbook of Biological Data, Division of Biology and Agriculture, the National Academy of Sciences, the National Research Council.

Human and Ecological Risk Assessment: Theory and Practice. Paustenbach, Dennis J. (2009). New York: Wiley. ISBN: 9780470253199. Comprehensive handbook and reference text, with sections on theory followed by case studies.

Introduction to Chemical Exposure and Risk Assessment. Neely, W. Brock. (1994). Boca Raton, Fla.: Lewis Publishers. ISBN: 9781566700948. Discusses how risk is perceived, how chemicals affect health, estimating environmental concentrations and risk benefit analysis.

Lewis' Dictionary of Toxicology. Lewis, Robert A. (1998). Boca Raton, Fla.: Lewis Publishers. ISBN: 9781566702232.

Methods in Toxicology. Paget, George Edward. (1970). Oxford: Blackwell Scientific. ISBN: 9780632068302.

NIOSH Recommendations for Occupational Safety and Health: Compendium of Policy Documents and Statements. National Institute for Occupational Safety and Health. (1992). Cincinnati, Ohio: US Department of Health and Human Services, et al. Prepared for workers, employers, occupational health professionals, and union representatives to make the workplace safer. A companion to the Pocket Guide to Chemical Hazards.

URL: <http://www.cdc.gov/NIOSH/92-100.html>

***Physician's Desk Reference 2008.** 62nd ed. (2007). Montvale, N.J.: Thomson PDR. ISBN: 9781563636608. Includes information on more than 4,000 prescription drugs by brand and generic name, manufacturer, and product category, and provides usage information, warnings, and drug interactions. Also available on CD-ROM.

Recognition and Management of Pesticide Poisonings. 5th ed. EPA. (1999). English EPA Publication No.: EPA 735-R-98-003; Spanish EPA Publication No.: EPA 735-R-98-004. Provides information on the health hazards of pesticides currently in use and recommendations for dealing with short-term acute effects. Includes an index of sign and symptoms and of pesticide products.

URL: <http://www.epa.gov/pesticides/safety/healthcare/handbook/handbook.htm>

Respiratory Health Effects of Passive Smoking: Lung Cancer and Other Disorders. EPA, Office of Research and Development, Office of Health and Environmental Assessment. (1993). EPA Publication No.: EPA 600-6-90-006F. Risk assessment of Environmental Tobacco Smoke (ETS), which concludes that the widespread exposure to ETS in the US presents a serious and substantial public health impact.

URL: <http://cfpub2.epa.gov/ncea/cfm/recordisplay.cfm?deid=2835>.

SEER Cancer Statistics Review. (1975-2005). Bethesda, Md.: National Cancer Institute.

URL: http://seer.cancer.gov/csr/1975_2005/

US Cancer Mortality Rate and Trends: 1950-1979. Produced jointly by the National Cancer Institute and EPA through the Interagency Agreement on Environmental Carcinogens. EPA Publication No.: EPA 600-1-83-0015 and NTIS Publication No.: PB-84196914. Contains cancer mortality rates and changes in rates for counties in the US.

Water Contamination and Health: Integration of Exposure Assessment, Toxicology, and Risk Assessment. Wang, Rhoda G.M. (1994). New York: Marcel Dekker. ISBN: 9780824789220. Contains information about exposure assessment, toxicology and risk assessment.

ELECTRONIC RESOURCES

Agency for Toxic Substances and Disease Registry (ATSDR). Repository for environmental health and toxicology information. Also contains information on ATSDR's mission, goals, and organization structure, a glossary of terms, activities and accomplishments, and the full text of public health statements.

URL: <http://www.atsdr.cdc.gov/>

+Aldrich Catalog Handbook of Fine Chemicals.

URL: <http://www.sigmaaldrich.com/Brands/Aldrich.html>

ATSDR Public Health Statements. Agency for Toxic Substance and Diseases Registry, US Department of Health and Human Services. A series of information releases of the potential public health effects of various substances. Contains information about toxic substances commonly found at hazardous waste sites. Explains the detailed information found in the Toxicological Profiles.

URL: <http://www.atsdr.cdc.gov/phshome.html>

***ATSDR Toxicological Profiles.** (CD-ROM). Agency for Toxic Substances and Disease Registry, US Department of Health and Human Services. Individual detailed chemical profiles containing data on the health effects of hazardous substances found at hazardous waste sites. CD-ROM version available by calling 1-800-CDC-INFO or email cdinfo@cdc.gov. Draft profiles available on Web site; final versions distributed by NTIS.

URL: <http://www.atsdr.cdc.gov/toxpro2.html>

Centers for Disease Control (CDC). Contains information on CDC's mission to "promote health and quality of life by preventing and controlling disease." Includes details about organization, data and statistics, and publications.

URL: <http://www.cdc.gov/>

Environmental Health and Toxicology. National Library of Medicine. Portal site to multiple resources and tools.

URL: <http://sis.nlm.nih.gov/enviro.html>

+**Embase.** Elsevier. Biomedical and pharmacological database, with a journal collection, and citation and abstract records.

URL: http://www.info.embase.com/embase_com/about/index.shtml

EXTOXNET. Includes Pesticide Information Profiles on more than 150 pesticides with trade/other names for the pesticide, regulatory status, toxicological effects, ecological effects, environmental fate, physical properties, and more. Also includes Toxicology Information Briefs; Toxicology Issues of Concern; and fact sheets.

URL: <http://ace.ace.orst.edu/info/extoxnet/>

Food and Drug Administration (FDA). Contains an overview of FDA's scientific expertise, organization, and publications.

URL: <http://www.fda.gov/>

HazDat. Database of the Agency for Toxic Substances and Diseases Registry. Scientific and administrative database that provides access to information on the release of hazardous substances from Superfund sites or from emergency events. Also includes information on the effects of hazardous substances on the health of human populations.

URL: <http://www.atsdr.cdc.gov/hazdat.html>

Household Products Database. National Library of Medicine. Search products, ingredients, Material Safety Data Sheets (MSDS) to find potentially hazardous materials, including products in categories such as arts and crafts, personal care and pet care.

URL: <http://hpd.nlm.nih.gov/>

***Integrated Risk Information System (IRIS).** EPA. Database of human health effects that may result from exposure to various substances found in the environment.

URL: <http://www.epa.gov/iris/>

Martindale's Health Sciences Guide. Multimedia resource that provides access to teaching files, medical cases, courses and textbooks containing information on all facets of medical care, including nursing and dentistry.

URL: <http://www.martindalecenter.com/HSGuide.html>

Material Safety Data Sheets. Through Vermont SIRI. Source for information about handling or working with substances. Data includes physical information, toxicity, health effects, storage and disposal, and spill procedures.

URL: <http://www.hazard.com/msds/>

Morbidity and Mortality Weekly Report. Access to current and back issues of Morbidity and Mortality Weekly Report (MMWR).

URL: <http://www.cdc.gov/mmwr/>

National Institute of Environmental Health Sciences (NIEHS). Provides access to information and publications from NIEHS, part of the National Institutes of Health. Contains information on the National Toxicological Program, whose focus is human health and the environmental causes of disease.

URL: <http://www.niehs.nih.gov/>

National Institutes of Health (NIH). Provides an overview of NIH's mission, and information about news and events, health information, scientific resources, institutes, and offices.

URL: <http://www.nih.gov/>

National Toxicology Program. National Institute of Environmental Health Sciences. Established as a cooperative effort within the Public Health Service to coordinate toxicology research and testing activities within the US Department of Health and Human Services. Provides information about potentially toxic chemicals to health, regulatory, and research agencies and the public, and to strengthen the science base in toxicology.

URL: <http://ntp-server.niehs.nih.gov/>

Occupational Safety and Health Administration (OSHA). Contains information on OSHA's programs, service and training, publications and electronic products, standards and links to other government and safety and health sites.

URL: <http://www.osha.gov/>

PubMed. National Library of Medicine. Text-based search and retrieval system, known as Entrez, that is used at National Center for Biotechnology Information (NCBI) for services including PubMed, Nucleotide and Protein Sequences, Protein Structures, Complete Genomes, Taxonomy and many others. PubMed provides access to citations from biomedical literature.

URL: <http://www.ncbi.nlm.nih.gov/sites/entrez?db=pubmed>

+Registry of Toxic Effects of Chemical Substances (RTECS). (CD-ROM), D.V. Sweet, US Department of Health and Human Services/NIOSH. Compendium of toxicity data extracted from the scientific literature with a complete CAS number cross-index.

URL: <http://www.cdc.gov/niosh/rtecs/>

***Scorecard: The Pollution Information Site.** An Environmental Defense Fund tool sponsored by Green Media Toolshed. Uses data from scientific and governmental databases to provide information about pollution, toxic chemicals, and health hazards. Searchable by ZIP code, topic, or chemical name.

URL: <http://www.scorecard.org/>

TOXNET. The National Library of Medicine's Toxicology Data Service is a free service with access to many toxicology databases, including The Hazardous Substances Data Bank (HSDB), which contains over 4,500 chemical records, as well as ChemID plus, Toxline, CCRIS, DART, Genetox, IRIS, ITER, LactMed, TRI, Haz-Map, Household Products database.

URL: <http://toxnet.nlm.nih.gov/>

World Health Organization (WHO). Contains information on WHO programs, publications, international travel and health, WHO personnel and a directory of NGOs.

URL: <http://www.who.int/>

International Environment

The political boundaries of nations cross natural boundaries such as watersheds, habitats, and airsheds. How countries protect their environment has a significant impact not only at home but around the world.

PRINT RESOURCES

Basic Documents on International Environmental Law. 2nd ed. Birnie, Patricia W. and Boyle, Alan. (2008). Oxford: Oxford University Press. ISBN: 9780198764229.

Canadian Environmental Directory 2008. (2008). Toronto, Ontario: Federation of Canadian Municipalities. ISBN: 9781592372249.

Consolidated List of Products Whose Consumption and/or Sale has been Banned, Withdrawn, Severely Restricted, or not Approved by Governments – Chemicals. (2005). 11th ed. United Nations. ISBN: 9211302382. Covers pharmaceutical, agricultural, industrial and consumer products regulated because of their chemical composition.

Directory of American Firms Operating in Foreign Countries. 19th ed. (2007). Mills, Mass.: Uniworld Business Publications, Inc. ISBN: 0836000579. Lists corporations that control and operate foreign business enterprises. Includes an alphabetical index by US firm name, geographical distribution, classification by products or services, and statistics on volume of business abroad and foreign employment.

Environmental Performance of Agriculture in OECD Countries Since 1990. Organisation for Economic Co-operation and Development. (2008). Paris: OECD. ISBN: 9264040927.

Europa World Yearbook. 49th ed. (2008). Europa Publications. New York: Routledge. ISBN: 185743451X. Provides detailed information on political, economic, and commercial institutions worldwide.

Europe's Environment: The Dobris Assessment. Stanners, David and Bourdeau, Phillipe. (1995). Copenhagen: European Environment Agency. ISBN: 9282654095. Covers the state of the environment in approximately fifty European countries, providing analysis of environmental fields including air, water, soil, nature, wildlife, and urban ecosystems.

Global Environment Outlook GEO 4: Environment for Development. (2007). Nairobi, Kenya: United Nations Environment Programme. ISBN: 9280728369.

International Environment Reporter. [Serial]. (1978-). Washington, D.C.: Bureau of National Affairs. ISSN 01498738. Biweekly information and reference service that covers international environmental law and developing policy in major industrial nations. Electronic subscriptions also available.

URL: http://www.unep.org/geo/geo4/report/GEO-4_Report_Full_en.pdf

OECD Environmental Data Compendium. Revised ed. (2004). Paris: Organization for Economic Cooperation and Development. ISBN: 9264007989; e-book ISBN: 9789264007987.

State of the World: Innovations for a Sustainable Economy. Gardner, Gary T. and Prugh, Thomas. (2008). New York: W.W. Norton. ISBN: 0393330311. Identifies and describes environmental trends such as the deterioration of freshwater ecosystems, the emergence of new deadly diseases and re-emergence of diseases once thought conquered, loss of topsoil, and increasing number of pests resistant to pesticides.

Treaties in Force: A List of Treaties and Other International Agreements of the United States in Force on January 1, 2007. (2007). Washington, D.C.: US Department of State, Office of Legal Affairs staff. ISBN: 1598044176.

URL: <http://www.state.gov/s/l/treaty/treaties/2007/index.htm>

World Resources 2005: The Wealth of the Poor: Managing Ecosystems to Fight Poverty. United Nations Development Programme. (2005). Washington, D.C.: World Resources Institute. ISBN: 1569735824. Details the steps necessary to empower the poor to use ecosystems both wisely and for wealth of statistics on current environmental, social, and economic trends in more than 150 countries.

ELECTRONIC RESOURCES

Bureau of the Census International Programs Center. Includes a world population clock, information resources and several searchable databases.

URL: <http://www.census.gov/ipc/>

+Earth Summit: United Nations Conference on Environment and Development. (CD-ROM). (1993). Contains environmental profiles for countries participating in the 1992 UN Conference on Environment and Development.

URL: <http://unp.un.org/>

UNEP/INFOTERRA National Focal Points. Contains entries for approximately 170 international environmental experts and organizations registered as National Focal Points.

URL: <http://www.unep.org/infoterra/nfplist.htm>

United Nations Environment Programme (UNEP). Provides information on UNEP's mandate, background, products and services, publications, and database systems.

URL: <http://www.unep.org/>

World Factbook. Country profiles maintained by the Central Intelligence Agency.

URL: <https://www.cia.gov/library/publications/the-world-factbook/index.html>

World Health Organization (WHO). Contains information on WHO programs, publications, international travel and health, WHO personnel and a directory of NGOs.

URL: <http://www.who.int/>

Motor Vehicles and Emissions

The titles in this section contain information about motor vehicles and their emissions. EPA regulates air pollution from motor vehicles, engines, and the fuels used to operate them. "Mobile sources" of interest to EPA include cars and light trucks, heavy trucks and buses, nonroad recreational vehicles (such as dirt bikes and snowmobiles), farm and construction machines, lawn and garden equipment, marine engines, aircraft, and locomotives.

PRINT RESOURCES

Air Pollution, the Automobile, and Public Health. Watson, Ann Y., Bates, Richard R. and Kennedy, Donald. (2004). Washington, D.C.: National Academies Press. ISBN: 0309086825. Presents an overview of vehicle emissions research, exposure analysis, and the biological effects of emissions on human health.

American Trucking Trends. American Trucking Association. (2000). Alexandria, Va.: American Trucking Association, Inc. ISBN: 0887114008. Lists statistics for retail sales, freight patterns and truck types.

Automotive News. [Serial]. (1938-). Crain Communications. ISSN: 00051551. Weekly publication contains information about the automotive industry.

Bosch Automotive Handbook. 7th ed. Robert Bosch GmbH. (2007). ISBN: 0837615402. Contains detailed descriptions of the various automotive systems of the vehicles of today with drawings and discussion of their operation.

Clean Fuels and Electric Vehicles Report. [Serial]. J.E. Sinor Consultants, Inc. (1996-). Niwot, Colo.: J.E. Sinor Consultants, Inc. ISSN: 10952691. Covers advanced transportation technology, including hydrogen fuel.

Diesel Engine Reference Book. 2nd ed. Challen, Bernard and Baranescu, Rodica, Editors. (1999). Society of Automotive Engineers, Inc. ISBN: 0768004039. Comprehensive reference work covering diesel engineering and the application of diesel engines of all sizes.

Energy Washington Week. [Serial]. (2004-). Inside Washington Publishers. ISSN: 15568032. Exclusive news on national energy policy on a weekly basis.

Engine Testing: Theory and Practice. 3rd ed. Plint, Michael and Martyr, Anthony. (2007). Society of Automotive Engineers, International. ISBN: 0768018501. Comprehensively covers the major elements of engine testing from test plant design to data logging and statistical analysis of results.

Internal Combustion Engine Fundamentals. Heywood, John B. (1989). McGraw-Hill. ISBN: 007028637X. Reviews the fundamental principles of internal combustion engine design and operation.

Nonroad Engine and Vehicle Emission Study Report. EPA. (1991). EPA Publication No.: EPA 460-3-91-002. Presents the findings of the final study of emissions from nonroad engines and vehicles.

Society of Automotive Engineers (SAE) Handbook. Contains over 1,600 J-reports, 2,200 current and cancelled documents, and new and revised standards. Annual data available from the Society for Automotive Engineers on CD-ROM.
URL: <http://store.sae.org/>

Transport Topics. [Serial]. (1900s-). Alexandria, Va.: American Trucking Association, Inc. ISSN: 00411558. A weekly collection of articles discussing trends in trucking around the country.

Ward's Automotive Yearbook. [Serial]. (1938-). Ward's Reports, Inc. Detroit, Mich.: Ward's Reports. ISSN: 00837229. Annual comprehensive reference work containing information on auto production, industry trends, sales, registration statistics and related information worldwide. Also available via online subscription.
URL: <http://wardsauto.com/>

Ward's Engine & Vehicle Technology Update. [Serial]. (1990-). Ward's Communications, Inc. Detroit, Mich.: Ward's Communications. ISSN: 10886869. Biweekly information about automotive technology and developments in engine technology.

ELECTRONIC RESOURCES

+**Automotive News Data Center.** Crain Communications. Contains data and historical statistics, such as North American car and truck production, US medium and heavy truck sales, Canada light-vehicle sales by nameplate, Canada light-vehicle sales by make, North America car and truck production, customer and dealer incentives, US car and light-truck inventories, US car sales, US light-truck sales, Automotive News SAAR, US light-vehicle sales by nameplate, US total vehicle sales by make, North America car and truck production, top thirty European suppliers, car specifications, and truck specifications.
URL: <http://www.autonews.com/section/DATA>

Aviation and the Global Atmosphere. Intergovernmental Panel on Climate Change. (1999). Special Report on the state of understanding of the relevant science of the atmosphere, aviation technology, and socio-economic issues associated with mitigation options. Also addresses potential effects that aviation has had in the past and may have in the future on both stratospheric ozone depletion and global climate change. Synthesizes the findings to identify and characterize options for mitigating future impacts. URL: <http://www.grida.no/climate/ipcc/aviation/index.htm>

CCAR – Greenlink. CCAR is the Coordinating Committee for Automotive Repair. Addresses environmental concerns in auto repair shops, heavy duty service shops, body shops, new car dealers and similar businesses. Covers topics such as emissions, recycling, spills, waste emergencies and legal issues. URL: <http://www.ccar-greenlink.org/>

+DieselNet. Online information service on clean diesel engines and diesel emissions. Includes news on engine emission topics, suppliers of products and services, summary of diesel emission standards, papers on emission technologies, a technology guide, a glossary of terms, calculators, career opportunities in emission technologies, links to resources on engine emissions, and a discussion forum. URL: <http://www.dieselnet.com/>

Fuel Economy Guide. [Serial]. (2009). US Department of Energy. Lists estimates of miles per gallon for each vehicle available for the new model year. URL: <http://www.fueleconomy.gov/>

Greenhouse Gas Emissions from the US Transportation Section: 1990-2003. EPA, Office of Transportation and Air Quality. (2006). EPA Publication No.: EPA 420-R-06-003. Report developed to help transportation agencies, the transportation industry, researchers, and the public better understand the connection between transportation and Greenhouse Gas (GHG) emissions in the US. Includes details on GHG emissions from transportation and non-transportation mobile sources and analyzes factors affecting emissions, uncertainty in the data, and emerging issues. URL: <http://www.epa.gov/otaq/climate/420r06003summary.htm>

Highway Statistics Series. Federal Highway Administration. Contains statistics of general interest on motor fuel consumption, types of motor vehicles, public highway performance and related data. URL: <http://www.fhwa.dot.gov/ohim/ohimstat.htm>

Office of Transportation and Air Quality - EPA. Provides information on a variety of topics, including automotive emissions, alternative fuels, electric vehicles, off-road vehicles, pollution prevention and regulations. URL: <http://www.epa.gov/otaq/>

+Society of Automotive Engineers (SAE) Global Mobility Database. Contains abstracts of Society of Automotive Engineers technical papers, reports, and publications. Available from the Society for Automotive Engineers.

URL: <http://store.sae.org/gmd/content.htm>

Society of Automotive Engineers (SAE) Home Page. Provides access to information about SAE's organization, services and publications.

URL: <http://www.sae.org/>

Nanotechnology

Nanotechnology is a highly diverse field of applied science that involves working with matter at the atomic and molecular level, generally with structures less than 100 nanometers in size. Nanotechnology has both applications and implications for the environment. EPA is supporting research in this technology while evaluating its regulatory responsibility to protect the environment and human health.

PRINT RESOURCES

Nanotechnology. [9 Vols]. Schmid, Günter, Editor. (2008-). Weinheim: Wiley-VCH. ISBN: 9783527317325. A fundamental nanotechnology resource.

Nanotechnology and the Environment. Sellers, Kathleen. (2009). Boca Raton, Fla.: CRC Press. ISBN: 9781420060195. Provides the basis needed to understand the life cycle of nanomaterials and an analysis of nanomaterials and the environment.

Nanotechnology: Consequences for Human Health and the Environment. Hester, R.E. and Harrison, Roy M. (2007). Cambridge: Royal Society of Chemistry. ISBN: 9780854042166.

Nanotechnology Deskbook. Bergeson, Lynn L. and Tracy Hester. (2008). Environmental Law Institute. ISBN: 9781585761234. A reader-friendly book that discusses trends and issues with nanotechnology.

Nanotechnology: Health and Environmental Risks. Shatkin, Jo Anne. (2008). Boca Raton, Fla.: CRC Press. ISBN: 9781420053630. Discusses advances in nanotechnology and their effect on environmental health.

Nanotechnology Research Advances. King, Vernon B., Editor. (2007). New York: Nova Science Publishers. ISBN: 9781600215254. Includes cutting-edge international research in nanotechnology.

ELECTRONIC RESOURCES

CRS Report for Congress: Nanotechnology, A Policy Primer. US Congressional Research Service. (2008.) Provides an overview of three main topics within nanotechnology: federal research and development, U.S. competitiveness and environmental health and safety concerns with nanotechnology.
URL: <http://www.fas.org/sgp/crs/misc/RL34511.pdf>

Nanotechnology Under the Toxic Substances Control Act. EPA, Office of Pollution Prevention and Toxics. Examines nanotechnology through the Toxic Substances Control Act (TSCA), which ensures that new and existing chemical substances are manufactured and used in a manner that protects against unreasonable risks to human health and the environment.

URL: <http://www.epa.gov/oppt/nano/>

Nanotechnology Web site. EPA. National Center for Environmental Research. Highlights EPA's research in nanotechnology and provides useful information on related research at EPA and in other organizations.

URL: <http://es.epa.gov/ncer/nano/>

Nanotechnology White Paper. EPA. Science Policy Council. (2007). Describes key science issues EPA should consider to ensure that society accrues the important benefits to environmental protection that nanotechnology may offer, as well as to better understand any potential risks from exposure to nanomaterials in the environment.

URL: <http://www.epa.gov/OSA/nanotech.htm>

National Nanotechnology Initiative. Program established in fiscal year 2001 to coordinate Federal nanotechnology research and development. Provides a vision of the long-term opportunities and benefits of nanotechnology.

URL: <http://www.nano.gov/>

NIST Nanotechnology Portal. Brings the latest information in developing measurements that are important to the development of products for nanotechnology.

URL: http://www.nist.gov/public_affairs/nanotech.htm

SNNI: Safer Nanomaterials and Nanomanufacturing Initiative. Contains information about the initiative to develop nanomaterials and nanomanufacturing that has a high performance rate with little to no effect on environmental or human health.

URL: <http://www.greennano.org/>

Pesticides and Toxic Substances

Pesticides are substances or mixtures used to prevent, destroy, repel, or mitigate pests. The term also includes any substance or mixture intended for use as a plant regulator, defoliant, or desiccant. Toxic substances are chemicals or mixtures that may present an unreasonable risk of injury to human health or the environment. Pesticides and toxic substances are chemicals that can have detrimental effects on the health of humans, animals, and wildlife, and are regulated by EPA under legislation that includes the Toxic Substances Control Act, and the Federal Insecticide, Fungicide and Rodenticide Act.

PRINT RESOURCES

***Biotechnology Deskbook.** Anderson, William L. (2001). Washington, D.C.: Environmental Law Institute. ISBN: 9781585760299.

Chemical Pesticides: Mode of Action and Toxicology. Stenersen, Jørgen. (2004). Boca Raton, Fla.: CRC Press. ISBN: 9780748409105.

Citizen's Guide to Pest Control and Pesticide Safety. EPA, Office of Pesticide Programs. (2005). EPA Publication No.: EPA 735-K-04-002.
URL: http://www.epa.gov/oppfead1/Publications/Cit_Guide/citguide.pdf

Crop Protection Handbook. [Serial]. (2003-). Willoughby, Ohio: Meister Publishing. ISSN: 15472779. Formerly: *Farm Chemicals Handbook*. Includes technical product information, environmental and safety data, and registration and supplier information.

Crop Protection Reference: Label & Product Listings. 25th ed. (2008). Lenexa, Kan.: Vance Communication Corporation. ISBN: 9780981888507. Issued also in CD-ROM edition.

Drinking Water Standards and Health Advisories. EPA, Office of Water. (2006). EPA Publication No.: EPA 822-R-06-013. Lists all contaminants that have health advisories including MCLs and MCGLs. Includes notations indicating the regulatory status of the contaminant.
URL: <http://www.epa.gov/waterscience/criteria/drinking/dwstandards.pdf>

MSDS Reference for Plant Protection Products. [Serial]. Lenexa, Kan.: Vance Communication Corporation. ISSN: 1557-2641.
URL: <http://www.greenbook.net/>

Healthy Lawn, Healthy Environment: Caring for Your Lawn in an Environmentally Friendly Way. EPA, Office of Pesticide Programs. (2005). EPA Publication No.: EPA 735-K-04-001. Outlines a preventive health care plan for lawns.

Lead Regulation Handbook. Shea, Edward E. (2007). Washington, D.C.: Government Institutes. ISBN: 9780865871618.

URL: <http://www.epa.gov/oppfead1/Publications/lawncare.pdf>

***Protocol for Conducting Environmental Compliance Audits: Federal Insecticide, Fungicide and Rodenticide Act (FIFRA).** EPA, Office of Enforcement and Compliance Assurance. (2000). EPA Publication No.: EPA 300-B-00-003.

URL: <http://www.epa.gov/Compliance/resources/policies/incentives/auditing/fifra.pdf>

Recognition and Management of Pesticide Poisonings. 5th ed. EPA. (1999). English EPA Publication No.: EPA 735-R-98-003; Spanish EPA Publication No.: EPA 735-R-98-004. Provides information on the health hazards of pesticides currently in use and recommendations for dealing with short-term acute effects. Includes an index of sign and symptoms and of pesticide products.

URL: <http://www.epa.gov/pesticides/safety/healthcare/handbook/handbook.htm>

TSCA Deskbook. Brown, Elizabeth C. (2007). Washington, D.C.: Environmental Law Institute. ISBN: 9780911937831.

Turf & Ornamental Reference: Label & Product Listings. 18th ed. (2008). Lenexa, Kan.: Vance Communication Corporation. ISBN: 9780981888514. Issued also in CD-ROM edition.

ELECTRONIC RESOURCES

ATSDR Toxic Substances Portal. Agency for Toxic Substances and Disease Registry. Provides access to the latest research and information about toxic substances, including characteristics, exposure risks, and health effects.

URL: <http://www.atsdr.cdc.gov/substances/index.asp>

Pesticide Fact Sheets. EPA, Office of Pesticide Programs. Contains up-to-date chemical information on specific pesticides or group of pesticides, including a summary of EPA's position and rationale.

URL: <http://www.epa.gov/pesticides/factsheets/>

Pesticide Regulation Notices. EPA, Office of Pesticide Programs. Provides information on policies, procedures, and decisions relating to pesticide regulations.

URL: http://www.epa.gov/PR_Notices/

***Protect Your Family From Lead in Your Home.** EPA, Office of Prevention, Pesticides and Toxic Substances. (2003). EPA Publication No.: EPA 747-K-90-001.
URL: <http://www.epa.gov/lead/pubs/leadpdf.pdf>

Pollution Prevention

Pollution prevention is reducing or eliminating waste at the source by modifying production processes, promoting the use of non-toxic or less-toxic substances, implementing conservation techniques, and re-using materials rather than putting them into the waste stream. See also the section on **Sustainability**.

PRINT RESOURCES

Advancing Environmental Justice Through Pollution Prevention: A Report Developed from the National Environmental Justice Advisory Council Meeting of December 9-13, 2002. EPA, National Environmental Justice Advisory Council. (2003). EPA Publication No.: EPA 200-R-03-001.

URL: <http://nepis.epa.gov/Exe/ZyPURL.cgi?Dockey=901X0100.txt>

Developing Your Stormwater Pollution Prevention Plan: A Guide for Construction Sites. EPA. (2007). EPA Publication No.: EPA 833-R-060-04. Includes bibliographical references. Provides guidance to construction site operators that need to prepare a stormwater pollution prevention plan in order to receive NPDES permit coverage for their stormwater discharges.

URL: http://www.epa.gov/npdes/pubs/sw_swppp_guide.pdf

Guide to Industrial Assessments for Pollution Prevention and Energy Efficiency. EPA, Office of Research and Development, National Risk Management Research Laboratory, Center for Environmental Research Information, Science Applications International Corporation. (2001). EPA Publication No.: EPA 625-R-99-003. A general reference guide to producing and providing industrial assessments.

URL: <http://nepis.epa.gov/Exe/ZyPURL.cgi?Dockey=1000418U.txt>

Industrial Pollution Prevention. 2nd ed. Shen, Thomas T. (1999). New York: Springer. ISBN: 9783540652083. Reflects changing pollution prevention strategies and addresses pollution management, environmentally friendly products, total environmental quality management, laws, regulations, and local resources.

Pollution Prevention: Methodology, Technologies and Practices. Mulholland, Kenneth L. and Dyer, James A. (1998). New York: American Institute of Chemical Engineers. ISBN: 9780816907823. Includes coverage of the economics of pollution prevention, chemical reactor design and operation, volatile organic-liquid storage, and numerous case studies.

Pollution Prevention: The Waste Management Approach to the 21st Century. Dupont, R. Ryan; Theodore, Louis and Ganesan, Kumar. (2000). Boca Raton, Fla.: Lewis Publishers. ISBN: 9781566704953. Basic principles for understanding pollution prevention and waste control.

An Ounce of Pollution Prevention is Worth Over 167 Billion Pounds of Cure: A Decade of Pollution Prevention Results 1990-2000. Specktor, Stephen and Roy, Natalie. (2003). Washington, D.C.: National Pollution Prevention Roundtable. Investigates state and local pollution prevention programs across the country. Includes quantitative data about programs' individual reports and success stories.

An Organizational Guide to Pollution Prevention. EPA, Office of Research and Development, Center for Environmental Research Information, National Risk Management Research Laboratory. (2001). EPA Publication No.: EPA 625-R-01-003. A guide to starting or improving pollution prevention programs. Includes information on alternative methods for creating a pollution prevention program.
URL: <http://nepis.epa.gov/Exe/ZyPURL.cgi?Dockey=30004HO0.txt>

Introduction to Pollution Prevention: Training Manual. EPA. (1995). EPA Publication No.: EPA 742-B-95-003. Washington, D.C.: EPA. Provides an introduction to the application of pollution prevention techniques for an intended audience of owners, managers, and employees of industrial enterprises.
URL: <http://nepis.epa.gov/Exe/ZyPURL.cgi?Dockey=20000UZ7.txt>

National Pollution Prevention Resource Guide. EPA. (2001). EPA Publication No.: EPA 724-F-01-023. A guide to resources that can provide pollution prevention assistance. Includes information to help individuals conduct self-assessments of their environments.
URL: <http://nepis.epa.gov/Exe/ZyPURL.cgi?Dockey=2000JJ88.txt>

ELECTRONIC RESOURCES

EPA Compliance Assistance Sector Notebooks. EPA, Office of Enforcement and Compliance Assurance. Various dates. The Sector Notebook series is a unique set of profiles containing information for specific industries and governments. The Notebooks provide a holistic approach by integrating processes, applicable regulations and other relevant environment information, including pollution prevention.

URL:

<http://www.epa.gov/compliance/resources/publications/assistance/sectors/notebooks/>

Pollution Prevention Act of 1990: Public Law. US Code Title 42 The Public Health and Welfare, Chapter 133.

URL: <http://www.epa.gov/oppt/p2home/pubs/p2policy/act1990.htm>

Pollution Prevention Information Clearinghouse. EPA. Provides information about clean technologies and pollution reduction.

URL: <http://www.epa.gov/oppt/ppic/>

Pollution Prevention Resource Exchange (P2Rx). A consortium of eight regional pollution prevention centers that disseminate information about pollution prevention amongst many different communities.

URL: <http://www.p2rx.org/>

Recycling

Recycling is the separation and collection of wastes, their subsequent transformation or remanufacture into usable or marketable products or materials, and the purchase of products made from recyclable materials. Titles in this section pertain to the technology and processes of recycling, the benefits of recycling and practical information for those wishing to recycle materials.

PRINT RESOURCES

The 10 Cent Incentive to Recycle. Gitlitz, Jennifer S. (2004). Arlington, Va. Container Recycling Institute. ISBN: 1931976031.

Aluminum Recycling. Schlesinger, Mark E. (2007). Boca Raton, Fla.: CRC Press. ISBN: 9780849396625. This book details the collecting, sorting, and separating of scrap aluminum as well as the processing equipment used. The book also discusses the economics of scrap recycling and outlines the structure of the recycling industry. The final chapter addresses unique environmental and safety challenges of recycling operations.

Compost Science and Technology. Diaz, Luis F. et al., Editors. (2007). Boston: Elsevier. ISBN: 9780080439600. Contains information that will assist with the design of new facilities and recycling programs.

Cradle to Cradle: Remaking the Way We Make Things. McDonough, William. (2002). New York: North Point Press. ISBN: 9780865475878. Encourages the retooling of the manufacturing industry in a way that is more ecological and sustainable. Begins with a retrospective glance into the industrial past, and investigates the changes in nature, science, and society.

Feedstock Recycling and Pyrolysis of Waste Plastics. Scheirs, John and Kaminsky, Walter, Editors. (2006) Hoboken, N.J.: John Wiley & Sons. ISBN: 9780470021521. Provides an overview of the pyrolysis of waste plastics. Describes types of plastics suitable for recycling, the mechanism of pyrolytic degradation of plastics, characterization of the pyrolysis products and details of pyrolysis technologies.

Green House: Eco-Friendly Disposal and Recycling at Home. Crampton, Norman. (2008). New York: M. Evans and Company. ISBN: 9781590771396.

Introduction to Plastics Recycling. 2nd ed. Goodship, Vanessa. (2007). Shawbury, UK: Smithers Rapra. ISBN: 184735078X. Update to the successful first edition that details new techniques that have been employed to increase the prevalence of plastics recycling throughout the world.

The McGraw-Hill Recycling Handbook. 2nd ed. Lund, Herbert F. (2000). New York: McGraw-Hill. ISBN: 9780070391567. Contains information on all aspects of recycling, including federal, state and local legislation, public awareness programs, processing facilities, recyclable materials, facilities design and recycling equipment, transfer stations, and recycling programs. Includes a 20-page glossary of definitions and abbreviations, case histories, and appendices.

The Science of Composting. Epstein, Eliot. (1997). Boca Raton, Fla.: CRC Press. ISBN: 9781566764780.

Tools to Reduce Waste in Schools: Reuse, Recycle, Buy Recycled. EPA, Office of Solid Waste. (2007). EPA Publication No.: EPA-530-K-07-002. Washington, D.C.: EPA.

URL: <http://nepis.epa.gov/Exe/ZyPURL.cgi?Dockey=600009UZ.txt>

Trends in Conservation and Recycling of Resources. Loeffe, Christian V., Editor. (2007). New York: Nova Science Publishers. ISBN: 1600211240. Covers a variety of conservation and recycling processes around the world.

Urban Recycling and the Search for Sustainable Community Development. Weinberg, Adam S. (2000). Princeton, N.J.: Princeton University Press. ISBN: 0691050147.

ELECTRONIC RESOURCES

Recyclingcenters.org. Points to locate recycling centers in your area.

URL: <http://www.recyclingcenters.org/>

+**WasteInfo.** Provides access to citations from worldwide literature from the past 20 years on non-radioactive waste management, including topics such as waste treatment, recycling, disposal and associated environmental hazards. Available from SilverPlatter.

What You Can Do. EPA's guide to solid waste management in the home and community.

URL: <http://www.epa.gov/epawaste/wycd/index.htm>

Solid Waste

Solid waste is any discarded material that is abandoned, is recycled, is inherently waste-like, or is a military munition. EPA addresses solid waste issues such as land disposal, underground storage tanks, and contaminated sites.

PRINT RESOURCES

***The Complete Guide to Hazardous Waste Regulations: RCRA, TSCA, HTMA, EPCRA, and Superfund.** 3rd ed. Wagner, Travis P. (1999). New York: Wiley. ISBN: 0471292486. In-depth survey of federal hazardous waste regulations.

Consumer's Handbook for Reducing Solid Waste. EPA, Office of Solid Waste and Emergency Response. (1992). EPA Publication No.: EPA 530-K-92-003.
URL: <http://nepis.epa.gov/Exe/ZyPURL.cgi?Dockey=10000MD0.txt>

Hazardous Waste and Solid Waste. Liu, David H.F. and Liptak, Bela G. (2000). Boca Raton, Fla.: Lewis Publishers. ISBN: 1566705126.

***McCoy's RCRA Unraveled.** Lakewood, Colo.: McCoy and Associates. (2008). ISBN: 9780930469191. Guide to understanding the Resource Conservation and Recovery Act (RCRA).

Pollution Prevention: The Waste Management Approach to the 21st Century. Dupont, R. Ryan; Theodore, Louis and Ganesan, Kumar. (2000). Boca Raton, Fla.: Lewis Publishers. ISBN: 9781566704953. Basic principles for understanding pollution prevention and waste control.

The Practical Handbook of Compost Engineering. Haug, Roger T. (1993). Boca Raton, Fla.: Lewis Publishers. ISBN: 9780873713733. In-depth examination of the principles and practice of modern day composting.

RCRA Orientation Manual. EPA, Office of Solid Waste and Emergency Response. (2006). EPA Publication No.: EPA 530-R-06-003 and NTIS Publication No.: PB2007-105786. Provides introductory information on solid and hazardous waste management programs under the Resource Conservation and Recovery Act (RCRA).
URL: <http://nepis.epa.gov/Exe/ZyPURL.cgi?Dockey=2000D0V4.txt>

RCRA Regulations & Keyword Index 2008. Aspen Law and Business Publishers. (2008). Guide to the terminology and concepts used in the Resource Conservation Recovery Act (RCRA) and related publications.

***SW-846: Test Methods for Evaluating Solid Waste: Laboratory Manual Physical/Chemical Methods.** 3rd ed. EPA, Office of Solid Waste and Emergency Response. (2004). EPA Publication No.: EPA SW-846-03-03B and NTIS Publication No.: PB2003-100855. Provides test procedures used to evaluate the properties of solid waste and determine whether it is a hazardous waste as defined in the Resource Conservation and Recovery Act (RCRA) (PL-94-580).

URL: <http://www.epa.gov/epawaste/hazard/testmethods/sw846/index.htm>

ELECTRONIC RESOURCES

Catalog of Hazardous and Solid Waste Publications. 17th ed. EPA, Office of Solid Waste and Emergency Response. (2004). EPA Publication No.: EPA 530-B-04-001. Annual catalog that lists frequently-requested documents released by the Office of Solid Waste.

URL: <http://www.epa.gov/epawaste/inforesources/pubs/catalog.htm>

List of Municipal Solid Waste (MSW) Publications. EPA, Office of Solid Waste. EPA Publication No.: EPA 530-N-96-002A. List of titles pertaining to Municipal Solid Waste.

URL: <http://nepis.epa.gov/Exe/ZyPURL.cgi?Dockey=10000NKR.txt>

Office of Solid Waste and Emergency Response (OSWER). Provides information on the activities of EPA's OSWER, including Superfund, emergency prevention and preparedness, waste issues, recycling, brownfields, and more.

URL: <http://www.epa.gov/oswer/>

RCRA Online. An electronic database that contains thousands of letters, memoranda, and questions and answers pertaining to the Resource Conservation Recovery Act (RCRA). EPA merged the RCRA Permit Policy Compendium into RCRA Online to provide the regulated community with a one-stop information access point.

URL: <http://www.epa.gov/epawaste/inforesources/online/index.htm>

Statistics

The titles in this section contain statistics relating to environmental issues and related areas of study such as demographics, energy consumption, manufacturing, and climate.

PRINT RESOURCES

America's Top-Rated Cities 2009: A Statistical Handbook. [4 Vols]. 16th ed. Garoogian, David. (2009). Millerton, N.Y.: Grey House Publishing. ISBN: 9781592374106. Current, comprehensive data on economic, business, and social information about the top 100 cities in the US.

Biostatistical Analysis. 5th ed. Zar, Jerrold H. (2004). Upper Saddle River, N.J.: Prentice Hall. ISBN: 9780131008465.

Environmental and Ecological Statistics. [Serial]. New York: Springer. ISSN: 15733009. Quarterly publication.
URL: <http://www.springerlink.com/content/100167/>

***Statistical Abstract of the United States: The National Data Book.** 127th ed. [Serial]. Gutierrez, Carlos M.; US Department of Commerce; Economics and Statistics Administration; Bureau of the Census. (2008). Washington, D.C.: US Census Bureau. ISBN: 1598043919. A standard summary of primarily national statistics on the social, political, and economic organization of the US, including data from many government and private statistical publications. Released annually.
URL: <http://www.census.gov/compendia/statab/>

Statistics for Environmental Engineers. 2nd ed. Berthouex, P. Mac and Brown, Linfield C. (2002). Boca Raton, Fla.: CRC Press. ISBN: 1566705924. Approaches environmental challenges and statistical techniques in an easy to ready style.

Statistics for Environmental Science and Management. 2nd ed. (2009). Boca Raton, Fla.: Chapman & Hall/CRC Press, B.F.J. Manly. ISBN: 142006147X. A ready reference guide on environmental statistics for non-statisticians. Includes examples of common methods used for environmental statistics.

Statistics Sources. 32nd ed. (2009). Detroit, Mich.: Gale Cengage. ISBN: 0787699535. An alphabetically arranged dictionary with source and statistical information for several different subjects.

ELECTRONIC RESOURCES

Census Bureau Home Page. Contains information on the history, mission, goals, organization and staff of the Census, as well as population information, data maps, and radio broadcasts.

URL: <http://www.census.gov/>

Energy Information Administration. US Department of Energy. Official energy statistics from the US Government. Information and articles about energy statistics, with topics that include petroleum, natural gas, coal, nuclear, renewable and alternative fuels.

URL: <http://www.eia.doe.gov/>

Environment and Energy Statistics. United Nations Statistical Division, United Nations. A site maintained by the United Nations that provides statistical reports on energy and the environment.

URL: http://unstats.un.org/unsd/environment_main.htm

Environment Glossary. United Nations Statistical Division, United Nations. A glossary of environmental terms.

URL: <http://unstats.un.org/unsd/environmentgl/>

GEO Data Portal. United Nations Environment Programme. Online databases with global and geospatial statistics used by UNEP and partners to create Global Environment Report and other environmental assessments.

URL: <http://geodata.grid.unep.ch/>

Glossary of Statistical Terms. Organisation for Economic Co-operation and Development.

URL: <http://stats.oecd.org/glossary/index.htm>

National Marine Fisheries Service - Fisheries Statistics. Provides a range of data relating to fisheries and related issues.

URL: <http://www.st.nmfs.gov/st1/>

Statistics at the State and Local Levels. Contains a list of resources useful for researching both state and federal government statistics.

URL: http://www.usa.gov/Government/State_Local/Statistics.shtml

USDA Economic Research Service. Provides economic analysis on efficiency, efficacy, and equity issues related to agriculture, food, the environment, and rural development to improve public and private decision making.

URL: <http://www.ers.usda.gov/>

USDA ERS Data Products. Compiles current and historical data for research and analysis in a variety of formats, including Lotus WK1 spreadsheets, ASCII text files, and compressed ZIP file collections.

URL: <http://www.ers.usda.gov/prodsrvs/dataprod.htm>

Sustainability

Sustainability is the long-term management of ecosystems to meet the needs of present human populations without interruption, weakening, or loss of the resource base for future generations. EPA aims to make sustainability the next level of environmental protection drawing on advances in science and technology, application of diverse government regulations and policies, and promoting green business practices. See *also the section on **Pollution Prevention***.

PRINT RESOURCES

All New Square Foot Gardening: Grow More in Less Space! Bartholomew, Mel. (2006). Nashville, Tenn.: Cool Springs Press. ISBN: 9781591862024. Gardening basics designed to maximize production from minimal space. Advocates that anyone, anywhere can garden, including children, adults with limited mobility, and complete novices.

ASHRAE GreenGuide: An ASHRAE Publication Addressing Matters of Interest to those Involved in Green or Sustainable Design of Buildings. Grumman, David L., Editor. (2003). Atlanta, Ga.: American Society of Heating, Refrigerating and Air-Conditioning Engineers, Inc. ISBN: 9781931862417. Provides mechanical engineers, architects, and construction engineers tips on everything from site location to the latest in energy-saving HVAC Systems. Includes extensive bibliography.

Biomimicry: Innovation Inspired by Nature. Benyus, Janine M. (2002). New York: Perennial. ISBN: 9780060533229. Introduction to pioneering engineers making technological breakthroughs by uncovering and copying nature's hidden marvels.

Blessed Unrest: How the Largest Movement in the World Came into Being, and Why No One Saw it Coming. Hawken, Paul. (2007). New York: Viking. ISBN: 9780670038527. Traces the formation of the environmental and social justice movement across years and continents.

Building a Green Future: A Case Study of EPA Region 10's Building Renovations. EPA, Region 10. (1999). EPA Publication No.: EPA 910-R-99-012. Eight-page case study of the "green" remodeling of EPA Region 10 executive suite and adjacent offices in April of 1999. Demonstrates the Agency's commitment to promoting sustainability.

Costing the Earth: The Challenge for Governments, the Opportunities for Business. Cairncross, Frances. (1992). Boston: Harvard Business School Press. ISBN: 9780875843155. Chronicles how industries worldwide are changing the way they produce goods to meet the growing demands of a “green” economy. Argues that government can play a critical role in helping industry harness the power of the market and in reducing environmental harm.

Cradle to Cradle: Remaking the Way We Make Things. McDonough, William. (2002). New York: North Point Press. ISBN: 9780865475878. Encourages the retooling of the manufacturing industry in a way that is more ecological and sustainable. Begins with a retrospective glance into the industrial past, and investigates the changes in nature, science, and society.

Effective Implementation of ISO 14001. Block, Marilyn R. (2006). Milwaukee, Wis.: Quality Press. ISBN: 9780873896887. Provides a clear explanation of each requirement of ISO 14001:2004, a standard for environmental management systems. Presents the documentation developed by organizations from three discrete sectors, heavy industry, service, and government.

Fatal Harvest: The Tragedy of Industrial Agriculture. Kimbrell, Andrew. (2002). Washington, D.C.: Island Press. ISBN: 9781559639408. Reviews our current agricultural system and its ecological effects. Offers a vision for an organic and environmentally safer way of producing food.

Frontiers of Sustainability: Environmentally Sound Agriculture, Forestry, Transportation, and Power Production. Dower, Roger C. (1997). Washington, D.C.: Island Press. ISBN: 9781559635462. Presents an adaptable formula for moving the US toward a future that ensures a healthy stock of environmental and natural resource assets for generations to come. Maps out and explores the implications of potentially dangerous trends and developments, and details methods for reducing or managing emergent threats.

Future Drive: Electric Vehicles and Sustainable Transportation. Sperlin, Daniel et al. (1995). Washington, D.C.: Island Press. ISBN: 9781559633277. Addresses the adverse energy and environmental consequences of increased travel and analyzes current initiatives to suggest strategies for creating a more environmentally benign system of transportation.

The Green Building Revolution. Yudelson, Jerry. (2008). Washington, D.C.: Island Press. ISBN: 9781597261784. Introduces readers to the basics of “green” building and to the projects and people that are advancing this movement. Includes interviews and case studies that shows readers why and how to design, build, and operate high performance, environmentally aware (LEED-certified) buildings on conventional budgets.

Green Development: Integrating Ecology and Real Estate. Rocky Mountain Institute. (1998). New York: Wiley. ISBN: 9780471188780. Describes how environmental considerations are viewed as opportunities to create fundamentally better buildings and communities that are more comfortable, efficient, appealing, and profitable.

The Greening of Industrial Ecosystems. Allenby, Braden R. and Richards, Deanna J. (1994). Washington, D.C.: National Academies Press. ISBN: 9780309049375. Explores the new industrial ecology, an emerging framework for incorporated environmental factors into economic and business decision making. Explores concepts and applications, including design for environment, industrial “metabolism,” and sustainable development.

Just Sustainabilities: Development in an Unequal World. Agyeman, Julian and Bullard, Robert D. (2003). Cambridge, Mass.: MIT Press. ISBN: 9780262011990. Argues that social and environmental justice within and between nations should be an integral part of the policies and agreements that promote sustainable development. Addresses many aspects of the links between environmental quality and human equality and between sustainability and environmental justice.

Mid-course Correction: Toward a Sustainable Enterprise: The Interface Model. Anderson, Ray C. (1998). Atlanta, Ga.: Peregrinzilla Press. ISBN: 9780964595361. Recaps the author’s personal realization that businesses need to embrace principles of sustainability, and his often-frustrating efforts to apply those principles within a billion dollar corporation. Demonstrates that the principles of sustainability and financial success can co-exist within a business.

Natural Capitalism: Creating the Next Industrial Revolution. Hawken, Paul et al. (1999). Boston: Little, Brown and Co. ISBN: 9780316353168. Shows how leading-edge companies are practicing “a new type of industrialism” that is more efficient and profitable, environment-friendly and will create jobs.

Natural House: A Complete Guide to Healthy, Energy-efficient, Environmental Homes. Chiras, Daniel D. (2000). White River Junction, Vt.: Chelsea Green Publishing. ISBN: 9781890132576. A tour of the construction, costs, and pros and cons of fourteen natural building methods.

Nature's Services: Societal Dependence on Natural Ecosystems. Daily, Gretchen C. (1997). Washington, D.C.: Island Press. ISBN: 9781559634755. Brings together world-renowned scientists from a variety of disciplines to examine the character and value of ecosystem services, the damage that has been done to them, and implications.

Our Ecological Footprint: Reducing Human Impact on the Earth. Wackernagel, Mathis and Rees, William E. (1996). Gabriola, BC: New Society Publishers. ISBN: 9780865713116. Introduces a method to determine humanity’s impact on the earth and a tool for measuring and visualizing the resources required to sustain households, communities, regions, and nations.

Reducing Stormwater Costs through Low Impact Development (LID) Strategies and Practices. EPA Nonpoint Source Control Branch. (2007). EPA Publication No.: EPA 841-F-07-006. Explores LID techniques manage water and water pollutants at the source reducing the impact of development on streams, rivers, lakes, costal waters and groundwater.

URL: <http://www.epa.gov/owow/nps/lid/costs07/documents/reducingstormwatercosts.pdf>

Simple Prosperity: Finding Real Wealth in a Sustainable Lifestyle. Wann, David. (2008). New York: St. Martin's Griffin Press. ISBN: 9780312361419. Trades over-consumption for a variety of real wealth sources, to recapture a more abundant and sustainable lifestyle.

Stuff: The Secret Lives of Everyday Things. Ryan, John C. and Durning, Alan Thein. (1997). Seattle, Wash.: Northwest Environment Watch. ISBN: 9781886093041. Documents a day in the life of the average North American consumer and deconstructs the American Dream, by unraveling hidden costs. Traces the environmental impact of typical consumer decisions.

Superbia! 31 Ways to Create Sustainable Neighborhoods. Chiras, Daniel D. and Wann, David. (2003). Gabriola, BC: New Society Publishers. ISBN: 9780865714908. Contains practical ideas for creating more socially, economically, and environmentally sustainable neighborhoods. Describes remaking suburban and urban neighborhoods to serve people better and to reduce human impact on the environment.

Sustainable Construction: Green Building Design and Delivery. 2nd ed. Kibert, Charles J. (2008). Hoboken, N.J.: Wiley. ISBN: 9780470114216. Guides construction and design professionals through the process of developing commercial and institutional high-performance "green" buildings in today's marketplace.

Sustainability Research Strategy. EPA, Office of Research and Development (ORD). EPA Publication No.: EPA 600-S-07-001. Provides nformation to improve understanding of the earth's natural and man-made systems, to assess threats to those systems, and to develop and apply new technologies and decision support tools.

URL: http://www.epa.gov/sustainability/pdfs/EPA-12057_SRS_R4-1.pdf

Walking the Talk: The Business Case for Sustainable Development. Holliday, Charles O. et al. (2002). Sheffield: Greenleaf. ISBN: 9781874719502. Business leaders argue that sustainability is not only compatible with, but crucial to business success. Draws on nearly 70 case histories of companies around the world to show how the three pillars of sustainable development, economic growth, ecological balance, and social progress, work to making a better world.

ELECTRONIC RESOURCES

Alternative Fuels and Advance Vehicles Data Center. Department of Energy, Energy Efficiency and Renewable Energy. Provides a wide range of information and resources to enable the use of alternative fuels (as defined by the Energy Policy Act of 1992). Covers petroleum reduction options such as advanced vehicles, fuel blends, idle reduction, and fuel economy.

URL: <http://www.eere.energy.gov/afdc/>

American Council for an Energy-Efficient Economy (ACE3). A nonprofit organization dedicated to advancing energy efficiency as a means of promoting economic prosperity, energy security, and environmental protection.

URL: <http://www.aceee.org/index.htm>

+American Society for Testing and Materials (ASTM). Develops standard test methods, specifications, practices, guides, classifications, and terminology in 130 areas covering subjects such as metals, plastics, consumer products, and many others. Standards can be purchased online from the Internet site, on CD-ROM, or in print volumes.

URL: <http://www.astm.org/>

BEES 4.0 (Building for Environmental and Economic Sustainability). Developed and maintained by the National Institute of Standards and Technology (NIST). Free software application for builders and designers interested in selecting environmentally preferable products. Supported, in part, by the EPA.

URL: <http://www.bfrl.nist.gov/oa/software/bees/bees.html>

+BuildingGreen.com. Publishes “green” building newsletters and a product review database. Also maintains a directory known as the GreenSpec Directory. The 7th edition (2007) was the last printed version.

URL: <http://www.buildinggreen.com/>

Commercial Building Energy Consumption Survey (CBECS). National sample survey that collects information on the stock of US commercial buildings, their energy-related building characteristics, and their energy consumption and expenditures.

URL: <http://www.eia.doe.gov/emeu/cbecs/contents.html>

Division for Sustainable Development Web Site. United Nations. Promotes sustainable development as the substantive secretariat to the UN Commission on Sustainable Development and through technical cooperation and capacity building.

URL: <http://www.un.org/esa/sustdev/>

ENERGY STAR. A joint program of the EPA and the US Department of Energy that helps consumers and businesses save money and protect the environment through energy-efficient products and practices.

URL: <http://www.energystar.gov/>

Forest Stewardship Council: United States. Principles and criteria addressing legal issues, indigenous rights, labor rights, multiple benefits and environmental impacts related to forest management. Includes a product database with information on companies with Forest Stewardship Council (FSC) certification.

URL: http://www.fscus.org/standards_criteria/

Green Products by Design: Choices for a Cleaner Environment. US Congress. Office of Technology Assessment. (1992). Provides a conceptual overview of how designers might integrate environmental concerns with traditional design objectives, and how policymakers can best take advantage of such opportunities.

URL: <http://www.princeton.edu/~ota/disk1/1992/9221/9221.PDF>

GreenSeal. Non-profit organization that provides science-based environmental certification standards for consumer products.

URL: <http://www.green seal.org/>

Homes Across America. Peaks to Prairies Pollution Prevention Information Center, Montana State University Extension Service and Pollution Prevention Resource Exchange. Allows users to search for resource efficient homes in the US, find local organizations, and see examples of resource efficient construction processes.

URL: <http://www.homes-across-america.org/>

+Illuminating Engineering Society of North America (IESNA). Source for lighting-related technical documents and publications, mostly for purchase.

URL: <http://www.iesna.org/>

International Institute for Sustainable Development (IISD). Champions sustainable development around the world through innovation, partnerships, research and communications.

URL: <http://www.iisd.org/>

SouthFace. Promotes sustainable homes, workplaces and communities through education, research advocacy, and technical support.

URL: <http://www.southface.org/>

Sustainability Web Site. EPA. Provides information on many EPA programs supporting sustainability that focus on the built environment, water, ecosystems and agriculture, energy, materials, and toxics.

URL: <http://www.epa.gov/sustainability/index.htm>

Towards a Sustainable America: Advancing Prosperity, Opportunity, and a Healthy Environment for the 21st Century. President's Council on Sustainable Development. (1999). Articulates the goal of a sustainable America in terms of concrete ideas, examples of success, and proposals for national policy.

URL: <http://clinton2.nara.gov/PCSD/Publications/tsa.pdf>

EPA Green Building. Describes the practice of creating and using healthier and more resource-efficient models of construction, renovation, operation, maintenance and demolition.

URL: <http://www.epa.gov/greenbuilding/>

EPA Smart Growth. Demonstrates how EPA helps communities grow in ways that expand economic opportunity and protect public health and the environment.

URL: <http://www.epa.gov/smartgrowth/>

US Green Building Council (USGBC). Non-profit organization of building professionals. Develops and supports the Leadership in Energy and Environmental Design (LEED), a third party certification program and recognized industry standard for green buildings.

URL: <http://www.usgbc.org/>

Whole Building Design Guide. Web portal from the National Institute of Building Sciences for building-related information with a “whole building” focus.

<http://www.wbdg.org/index.php>

Test Methods and Standards

A test method is a definitive procedure that produces a test result. EPA test methods are approved procedures for measuring the presence and concentration of physical and chemical pollutants; evaluating properties, such as toxic properties, of chemical substances; or measuring the effects of substances under various conditions.

PRINT RESOURCES

Annual Book of ASTM Standards. [80+ Vols]. (2008). Philadelphia: ASTM. Includes all current formally approved ASTM standards and test methods, definitions, recommended practices, classifications, specifications. Also available in CD-ROM format. Volumes can be purchased individually, as a section, or as the complete 80+ volume set.

URL: <http://www.astm.org/>

ASTM Standards Related to Environmental Sampling. 3rd ed. (2006). West Conshohocken, Pa.: American Society for Testing and Materials. ISBN: 9780803144736. Comprehensive new edition provides 118 of the latest ASTM standards relevant to environmental sample collection and handling.

Effective Implementation of ISO 14001. Block, Marilyn R. (2006). Milwaukee, Wis.: Quality Press. ISBN: 9780873896887. Provides a clear explanation of each requirement of ISO 14001:2004, a standard for environmental management systems. Presents the documentation developed by organizations from three discrete sectors, heavy industry, service, and government.

ISO 14000: Environmental Management. Goetsch, David L. and Davis, Stanley. (2000). Upper Saddle River, N.J.: Prentice Hall. ISBN: 0130812366. Describes ISO 14000, the international standard for environmental management systems, environmental protection and the prevention of pollution, in detail. Doubles as a hands-on manual for implementing such a system.

NIOSH Manual of Analytical Methods. 4th ed. (1994). Cincinnati, Ohio: US Department of Health and Human Services/NIOSH. ISBN: 9780160169533. Collection of methods for sampling and analysis of contaminants in workplace air, and in the blood and urine of workers who are occupationally exposed. Includes chapters on quality assurance, sampling, and portable instrumentation.

URL: <http://www.cdc.gov/niosh/nmam/order.html>

Standard Methods for the Examination of Water and Wastewater. 21st ed. Eaton, Andrew D. et al. (2005). Washington, D.C.: American Publican Health Association, American Water Works Association, Water Environment Federation. ISBN: 9780875530475. Note: Older editions are also valuable. Current editions do not always include everything from previous editions. Information on more than 320 methods and techniques used to examine samples encountered in the assessment and control of water quality and water pollution. Also available electronically on CD ROM.

***SW-846: Test Methods for Evaluating Solid Waste: Laboratory Manual Physical/Chemical Methods.** 3rd ed. EPA, Office of Solid Waste and Emergency Response. (2004). EPA Publication No.: EPA SW-846-03-03B and NTIS Publication No.: PB2003-100855. Provides test procedures used to evaluate the properties of solid waste and determine whether it is a hazardous waste as defined in the Resource Conservation and Recovery Act (RCRA) (PL-94-580).

URL: <http://www.epa.gov/epawaste/hazard/testmethods/sw846/index.htm>

ELECTRONIC RESOURCES

American National Standards Institute (ANSI). Contains information on national and international standards, and links to other standard-producing organizations. Provides access to a searchable database of over 11,000 approved American national standards. Standards can be purchased online or through an agent.

URL: <http://www.ansi.org/>

+American Society for Testing and Materials (ASTM). Develops standard test methods, specifications, practices, guides, classifications, and terminology in 130 areas covering subjects such as metals, plastics, consumer products, and many others. Standards can be purchased online from the Internet site, on CD-ROM, or in print volumes.

URL: <http://www.astm.org/>

Analytical Methods for Drinking Water. EPA's series of links to selected methods and guidance.

URL: <http://www.epa.gov/OGWDW/methods/methods.html>

Clean Water Act Analytical Test Methods. Laboratory analytical methods that are used by industries and municipalities to analyze the chemical, physical and biological components of wastewater and other environmental samples, as required by regulations under the authority of the Clean Water Act (CWA). Most are published as regulations in the Code of Federal Regulations (CFR) at Title 40 Part 136.

URL: <http://www.epa.gov/waterscience/methods/>

EPA Test Method Collections. EPA, Office of the Science Advisor. Site is maintained by EPA's Forum on Environmental Measurements as a service to the environmental analytical community. Includes test methods, approved procedures for measuring the presence and concentration of physical and chemical pollutants, evaluating properties of chemical substances, such as toxic properties, or measuring the effects of substances under various conditions.

URL: <http://www.epa.gov/osa/fem/methcollectns.htm>

EPA's Contract Laboratory Program (CLP) Products and Services. Includes several documents and software applications used to guide its actions, develop its methods, and handle its data. Includes fact sheets, guidance documents, EPA data quality related documents, and IT systems information.

URL: <http://www.epa.gov/superfund/programs/clp/index.htm>

Index to EPA Test Methods. Revised ed. (2003). EPA. Region 1 Library. Lists over 1,600 air, water, and waste methods. EPA test methods are approved procedures for measuring the presence and properties such as toxic properties of chemical substances, or measuring the effects of substances under various conditions.

URL: <http://www.epa.gov/region1/info/testmethods/pdfs/testmeth.pdf>

International Organization for Standardization (ISO). World's largest developer and publisher of international standards.

URL: <http://www.iso.org/iso/home.htm>

ISO 14001/ Voluntary EMS. EPA. Includes more than 500 methods and guidance documents that test for 776 analytes.

URL: <http://www.epa.gov/OW-OWM.html/iso14001/index.htm>

***National Environmental Methods Index (NEMI).** Searchable clearinghouse of methods and procedures for both regulatory and non-regulatory monitoring purposes for water, sediment, air and tissues. Used to compare and contrast the performance and relative cost of analytical, test, and sampling methods for environmental monitoring.

URL: <http://www.nemi.gov/>

National Institute of Standards and Technology (NIST). Describes research, projects, and contacts at NIST, an agency of the US Department of Commerce's Technology Administration.

URL: <http://www.nist.gov/>

NIOSH Manual of Analytical Methods (NMAM). Includes methods for sampling and analyzing contaminants in workplace air, and in the blood and urine of workers who are occupationally exposed. Methods have been developed or adapted by NIOSH or its partners and evaluated according to established experimental protocols and performance criteria. Also includes chapters on quality assurance, sampling, portable instrumentation, etc.

URL: <http://www.cdc.gov/niosh/nmam/>

Official Methods of Analysis of AOAC International. 18th ed. Association of Official Analytical Chemists. A compilation of methods approved by AOAC.

URL: <http://www.eoma.aoac.org/>

OPPT Harmonized Chemical Test Guidelines. EPA. Contains ten series of test guidelines for use in testing pesticides and toxic substances.

URL: <http://www.epa.gov/opptsfrs/home/guidelin.htm>

***SW-846: Test Methods for Evaluating Solid Waste: Laboratory Manual Physical/Chemical Methods.** 3rd ed. EPA, Office of Solid Waste and Emergency Response. (2004). EPA Publication No.: EPA SW-846-03-03B and NTIS Publication No.: PB2003-100855. Provides test procedures used to evaluate the properties of solid waste and determine whether it is a hazardous waste as defined in the Resource Conservation and Recovery Act (RCRA) (PL-94-580).

URL: <http://www.epa.gov/epawaste/hazard/testmethods/sw846/index.htm>

***Technology Transfer Network (TTNWeb).** EPA. Collection of technical Web sites with information about many areas of air pollution science, technology, regulation, measurement, and prevention. Features include the AP42 (Compilation of Air Pollutant Emission Factors), Clean Air Act Recently Signed Rules, and air quality modeling information (SCRAM).

URL: <http://www.epa.gov/ttn/scram/>

TOXNET. The National Library of Medicine's Toxicology Data Service, a free resource with access to many toxicology databases, including the Hazardous Substances Data Bank (HSDB), which contains over 4,500 chemical records. Also includes ChemID plus, Toxline, CCRIS, DART, Genetox, IRIS, ITER, LactMed, TRI, Haz-Map, Household Products database.

URL: <http://toxnet.nlm.nih.gov/>

US Environmental Protection Agency

The titles in this section contain information about the US Environmental Protection Agency, the federal regulatory agency responsible for environmental protection and management.

PRINT RESOURCES

Annual Performance Reports. [Serial]. EPA, Office of the Chief Financial Officer. (2007). EPA Publication No.: EPA 190-R-07-001. Presents performance results for the annual targets of the EPA.

URL: <http://www.epa.gov/ocfo/par/index.htm>

The Environmental Protection Agency: Asking the Wrong Questions From Nixon to Clinton. Expanded ed. Landy, Marc K., Roberts, Marc J. and Thomas, Stephen R. (1994). New York: Oxford University Press. ISBN: 9780195086737. Contains information on the origins and establishment of EPA, legislation and regulations, and activities under the Reagan, Bush and Clinton administrations.

***2006-2011 EPA Strategic Plan.** EPA, Office of the Chief Financial Officer. (2006). Includes strategic goals, objectives, sub-objectives, and associated strategic targets, which define the measurable environmental results EPA is trying to achieve.

URL: <http://www.epa.gov/ocfo/plan/plan.htm>

The Guardian: EPA's Formative Years, 1970-1973. EPA, History Office. (1993). EPA Publication No.: EPA 202-K-93-002. Overview of EPA's first three years.

URL: <http://www.epa.gov/history/publications/formative.htm>

The Guardian: Origins of the EPA. EPA, History Office. (1992). EPA Publication No.: EPA 202-K-92-004. Overview of the establishment of the Agency under the Nixon administration.

URL: <http://www.epa.gov/history/publications/origins.htm>

***2008 Report on the Environment.** EPA, Office of Research and Development. (2008). EPA Publication No.: EPA 600-R-08-045F. Provides an important resource for understanding trends in the condition of the air, water, land, and human health of the United States.

URL: <http://www.epa.gov/roe/>

ELECTRONIC RESOURCES

About EPA Web Page. Provides information on EPA's mission, organization, and more.

URL: <http://www.epa.gov/epahome/aboutepa.htm>

***Dockets.** Collections containing the public record of information used to document Agency rule making.

URL: <http://www.epa.gov/epahome/dockets.htm>

Employee Directory. An online directory of employees' phone numbers, e-mail addresses, and mailing addresses.

URL: <http://cfpub.epa.gov/locator/>

Envirofacts Data Warehouse. Provides a single point of access to data extracted from seven major EPA databases.

URL: <http://www.epa.gov/enviro/>

***EPA History.** Provides information, publications and photographs that document over 35 years of agency history.

URL: <http://www.epa.gov/history/>

EPA Home Page. Provides access to EPA and environmental information.

URL: <http://www.epa.gov/>

Hotlines and Clearinghouses. Users can request technical information, reports, and documents or get assistance with questions about environmental issues.

URL: <http://www.epa.gov/epahome/hotline.htm>

Information Products Bulletin. Joint effort between the EPA and the Environmental Council of the States (ECOS) to inform stakeholders and the public about upcoming significant information products.

URL: <http://www.epa.gov/ipbpages/>

***National Service Center for Environmental Publications (NSCEP) / National Environmental Publications Internet Site (NEPIS) Database.** Dissemination point for accessing EPA publications free of charge. Print publications are available through the National Service Center for Environmental Publications (NSCEP), and full-text digital publications are stored in the National Environmental Publications Internet Site (NEPIS) database.

URL: <http://www.epa.gov/nscep/>

***Online Library System.** Online catalog of the EPA National Library Network, with the holdings of all EPA libraries and repositories. Also includes records for environmental NTIS documents and EPA special collections.

URL: <http://www.epa.gov/libraries/ols.htm>

***Summaries of the EPA Budget.** [Serial]. (2009). EPA, Office of the Chief Financial Officer. Annual budgets for the EPA.

URL: <http://www.epa.gov/ocfo/budget>

***Toxics Release Inventory (TRI).** EPA. Publicly available EPA database that contains information on toxic chemical releases and waste management activities reported annually by certain industries as well as federal facilities. Public data is reported annually.

URL: <http://www.epa.gov/tri/>

Water Quality / Water Pollution

Water pollution is the presence in water of enough harmful or objectionable material to damage the water's quality. Water quality criteria are the levels of water quality expected to render a body of water suitable for its designated use. Criteria are based on specific levels of pollutants that would make the water harmful if used for drinking, swimming, farming, fish production, or industrial processes.

PRINT RESOURCES

Groundwater Chemicals Desk Reference. 4th ed. Montgomery, John H. (2007). Boca Raton, Fla.: CRC Press. ISBN: 9780849392764.

Groundwater Hydrology. 3rd ed. Todd, David K. and Mays, Larry W. (2005). Hoboken, N.J.: Wiley. ISBN: 9780471059370.

***Ground Water Manual: A Guide for the Investigation, Development and Management of Ground Water Resources.** 2nd ed. (1995). Washington, D.C.: US Dept. of the Interior, Bureau of Reclamation. Available for purchase from the Superintendent of Documents, GPO.

Practical Handbook of Soil, Vadose Zone, and Groundwater Contamination. 2nd ed. Boulding, Russell and Ginn, Jon S. (2003). Boca Raton, Fla.: CRC Press. ISBN: 9781566706100. Provides information on assessment, prevention, remediation and related issues.

Restoration and Management of Lakes and Reservoirs. 3rd ed. Cooke, G. Dennis et al. (2005). Boca Raton, Fla.: CRC Press. ISBN: 9781566706254. Describes the eutrophication process and methods for developing diagnostic feasibility studies. Provides detailed chapters on common management methods including algalbiomass control, macrophyte biomass control and multiple benefits treatments.

Safe Drinking Water Act: A Summary of the Act and Its Major Requirements. Tiemann, Mary. (2008). Washington, D.C.: Congressional Research Service, Library of Congress. Summarizes the Safe Drinking Water Act (SDWA) and its major programs and regulatory requirements.

URL: http://assets.opencrs.com/rpts/RL31243_20080521.pdf

Standard Methods for the Examination of Water and Wastewater. 21st ed. Eaton, Andrew D. et al. (2005). Washington, D.C.: American Publican Health Association, American Water Works Association, Water Environment Federation. ISBN: 9780875530475. Note: Older editions are also valuable. Current editions do not always include everything from previous editions. Information on more than 320 methods and techniques used to examine samples encountered in the assessment and control of water quality and water pollution. Also available electronically on CD ROM.

***Water Encyclopedia.** Lehr, Jay H. et al. (2005). Hoboken, N.J.: Wiley. [5 Vols]. ISBN: 9780471441649.

URL: <http://www.loc.gov/catdir/toc/ecip0510/2005008546.html>

Appendix A - Key Environmental Journals

The libraries serving the US Environmental Protection Agency have determined the following titles to be essential to support the work of EPA staff in the headquarters, regional, and field offices, the environmental research centers, and the research laboratories.

A

Aerosol Science and Technology (Taylor & Francis)
Ambio (Royal Swedish Academy of Sciences)
Analytical Chemistry (American Chemical Society)
Annual Review of Ecology and Systematics (Annual Reviews)
Applied and Environmental Microbiology (American Society of Microbiology)
Aquatic Toxicology (Elsevier)
Archives of Environmental Contamination and Toxicology (Springer)
Archives of Environmental Health (Heldref Publications Inc.)
Archives of Microbiology (Springer)
Atmospheric Environment (Elsevier)
Atomic Spectroscopy (PerkinElmer Corp)

B

Biocycle (JG Press)
Biodegradation (Springer)
Biological Conservation (Elsevier)
Bioscience (American Institute of Biological Sciences)
The Brownfields Report (King)
Bulletin of Environmental Contamination and Toxicology (Springer)

C

Canadian Journal of Fisheries and Aquatic Sciences (National Research Council Canada)
Canadian Journal of Microbiology (National Research Council Canada)
Cancer Research (American Association for Cancer Research)
Chemical and Engineering News (American Chemical Society)
Chemical Engineering (Chemical Week Associates)
Chemical Week (Chemical Week Associates)
Chemosphere (Pergamon Press)

Clean Water Report (Capitol Press)
Climatic Change (Springer)
Conservation Biology (Wiley-Blackwell)
Critical Reviews in Environmental Science and Technology (Taylor & Francis)
Current Contents: Agriculture, Biology and Environmental Science (Institute for Scientific Information)

E

Ecological Applications (Ecological Society of America)
Ecological Engineering (Elsevier)
Ecological Modeling (Elsevier)
Ecological Monographs (Ecological Society of America)
Ecology (Ecological Society of America)
Ecology Law Quarterly (School of Law, UCLA-Berkeley)
Ecotoxicology and Environmental Safety (Academic Press)
Engineering News Record (McGraw-Hill)
Environment (Heldref Publications Inc.)
Environment Reporter (Bureau of National Affairs)
Environmental and Ecological Statistics (Springer)
Environmental Engineering Science (formerly Hazardous Waste and Hazardous Materials) (Mary Ann Liebert)
Environmental Forum (Environmental Law Institute)
Environmental Health Perspectives (National Institute of Environmental Health Sciences)
Environmental Laboratory Washington Report (LRP Publications)
Environmental Management (Springer)
Environmental Monitoring and Assessment (Springer)
Environmental Pollution (Elsevier)
Environmental Research (Academic Press)
Environmental Science and Technology (American Chemical Society)
Environmental Testing and Analysis (The Target Group, Inc.)
Environmental Toxicology (John Wiley)
Environmental Toxicology and Chemistry (Society of Environmental Toxicology and Chemistry)

F

Frontiers in Ecology and the Environment (Ecological Society of America)

G

GEO World (Bev-AL Communications)
Geobiology (Wiley-Blackwell)

Global Biogeochemical Cycles (American Geophysical Union)
Global Change Biology (Wiley-Blackwell)
Ground Water (National Ground Water Association)
Ground Water Monitoring and Remediation - formerly Groundwater Monitoring Review
(National Ground Water Association)

H

Hazardous Waste Consultant (Elsevier)
Hazardous Waste News Including Superfund Update and Environmental Remediation
Technology (Business Publishers)

I

Inside EPA's Clean Air Report (Inside Washington)
Inside EPA's Environmental Policy Alert (Inside Washington)
Inside EPA's Superfund Report (Inside Washington)
Inside EPA's Water Policy Report (Inside Washington)
Inside EPA Weekly Report (Inside Washington)
Issues in Science and Technology (National Academy of Sciences)

J

JAMA (Journal of the American Medical Association)
Journal of Agriculture and Food Chemistry (American Chemical Society)
Journal of AOAC International, formerly known as Journal of the Association of Official
Analytical Chemists (AOAC International)
Journal of Applied Ecology (Wiley-Blackwell)
Journal of Chromatographic Science (Preston Publications)
Journal of Chromatography (Elsevier)
Journal of Ecology (Wiley-Blackwell)
Journal of Environmental Engineering (American Society of Civil Engineers)
Journal of Environmental Health (National Environmental Health Association)
Journal of Environmental Quality (American Society of Agronomy/Crop Science Society
of America/Soil Science Society of America)
Journal of Fish Biology (Wiley-Blackwell)
Journal of Fish Diseases (Wiley-Blackwell)
Journal of Hazardous Materials (Elsevier)
Journal of Invertebrate Pathology (Academic Press)
Journal of the Air and Waste Management Association (Air and Waste Management
Association)
Journal of the AWWA (American Water Works Association)
Journal of the National Cancer Institute (Oxford University Press)

Journal of Toxicology and Environmental Health (Taylor & Francis)

L

Lancet (Elsevier)

Limnology and Oceanography (American Society of Limnology and Oceanography)

M

Marine Pollution Bulletin (Pergamon Press)

Microbial Ecology (Springer)

N

Nature (Nature Publishing Group)

Nature Biotechnology (Nature Publishing Group)

New England Journal of Medicine (Massachusetts Medical Society)

North American Journal of Aquaculture (American Fisheries Society)

P

Pesticide and Toxic Chemical News (Agra Informa Inc.)

Pollution Engineering (Business News Publishing Company)

R

Regulatory Toxicology and Pharmacology (Academic Press)

Remediation (John Wiley)

Remote Sensing of Environment (Elsevier)

Risk Analysis (Wiley-Blackwell)

S

Science (American Association for the Advancement of Science)

Science News (Society for Science & the Public)

Science of the Total Environment (Elsevier)

Scientific American (Scientific American Inc.)

Soil Science Society of America Journal (Soil Science Society of America)

T

Toxicological Sciences (Oxford University Press)
Toxicology and Applied Pharmacology (Academic Press)
Toxicology Letters (Elsevier)
Transactions of the American Fisheries Society (American Fisheries Society)
Trends in Ecology & Evolution (Elsevier)

W

Water, Air, and Soil Pollution (Springer)
Water Environment and Technology (Water Environment Federation)
Water Environment Research (Water Environment Federation)
Water Research (Pergamon Press)
Water Resources Research (American Geophysical Union)
Wetlands (Society of Wetlands Scientists)

Appendix B - Acronyms

The following acronyms are used throughout the *Core List*. Agencies or organizations included in the Cores List as their full titles are also listed with their respective acronyms.

A

AAAS = American Association for the Advancement of Science
ABA = American Bar Association
ACE3 = American Council for an Energy-Efficient Economy
AID = US Agency for International Development
AIRS = Aerometric Information Retrieval System
AMTIC = Ambient Monitoring Technology Information Center, EPA
ANSI = American National Standards Institute
AOAC = Association of Official Analytical Chemists
APHA = American Public Health Association
APILIT = American Petroleum Institute Literature
ASCII = American Standard Code for Information Interchange
ASHRAE = American Society of Heating, Refrigerating and Air-Conditioning Engineers
ASIS = American Society for Industrial Security
ASTM = American Society for Testing and Materials
ATA = American Trucking Association
ATSDR = Agency for Toxic Substances and Disease Registry, US CDC
AWMA = Air and Waste Management Association
AWWA = American Water Works Association

B

BEES = Building for Environmental and Economic Sustainability, NIST
BFRL = Building and Fire Research Laboratory, NIST
BNA = Bureau of National Affairs

C

CAA = Clean Air Act
CAS = Chemical Abstract Service
CBD = Convention on Biological Diversity
CBE = Council of Biology Editors

CBECS = Commercial Building Energy Consumption Survey, US DOE
CCAR = Coordinating Committee for Automotive Repair
CCRIS = Chemical Carcinogenesis Research Information System
CCSP = US Climate Change Science Program
CDC = US Centers for Disease Control and Prevention
CDIAC = Carbon Dioxide Information Analysis Center, ORNL
CEC = Commission for Environmental Cooperation
CENR = Committee on Environment and Natural Resources
CEQ = Council on Environmental Quality, US EOP
CERCLA = Comprehensive Environmental Response, Compensation, and Liability Act
CERCLIS = Comprehensive Environmental Response, Compensation, and Liability Information System
CFR = Code of Federal Regulations
CIA = Central Intelligence Agency
CIS = Congressional Information Service
CLP = Contract Laboratory Program, EPA
CLU-IN = Clean-Up Information
CRS = Congressional Research Service
CWA = Clean Water Act

D

DART = Developmental and Reproductive Toxicology
DHHS = United States Department of Health and Human Services
D&B = Dunn and Bradstreet
DOE = US Department of Energy
DOI = US Department of the Interior
DOJ = US Department of Justice
DOT = US Department of Justice
DSD = Division for Sustainable Development, UN

E

ECOS = Environmental Council of the States
EDF = Environmental Defense Fund
EDGAR = Electronic Data Gathering, Analysis, and Retrieval, US SEC
EERE = Energy, Energy Efficiency and Renewable Energy, US DOE
EHS = Environmental, Health, and Safety
EI = Engineering Information, Inc.
EIA = Energy Information Administration, US DOE
EINECS = European Inventory of Existing Chemical Substances
EIS = Environmental Impact Statement
EJ = Environmental Justice
ELI = Environmental Law Institute

Appendix B – Acronyms

EMC = Emission Measurement Center, EPA
EMS = Environmental Management Systems
ENRD = Environment and Natural Resources Division, US DOJ
EOP = Executive Office of the President (US)
EPCRA = Emergency Planning and Community Right-to-Know Act
EPA = US Environmental Protection Agency
ERC = Environmental Response Center, EPA
ERNS = Emergency Response Notification System
ERS = Economic Research Service, USDA
ERT = Environmental Response Team, EPA
ETS = Environmental Tobacco Smoke

F

FBI = Federal Bureau of Investigation
FDA = US Food and Drug Administration
FEM = Forum on Environmental Measurements, EPA
FFRRO = Federal Facilities Restoration and Reuse Office, EPA
FHWA = Federal Highway Administration, US DOT
FIFRA = Federal Insecticide, Fungicide and Rodenticide Act
FIZ Karlsruhe = Fachinformationszentrum Karlsruhe
FINDS = Facility Information Data System
FIRE = Factor Information Retrieval
FR = Federal Register
FSC = Forest Stewardship Council
FWS = US Fish and Wildlife Service

G

GBIF = Global Biodiversity Information Facility
GCDIS = Global Change Data and Information System
GCMD = Global Change Master Directory
GEO = Global Environmental Outlook, UN Environmental Program
GHG = Greenhouse Gas
GIS = Geographic Information Systems
GPO = US Government Printing Office
GSA = US General Services Administration
GSFC = Goddard Space Flight Center, NASA

H

HSDB = Hazardous Substances Data Bank
HRS = Hazard Ranking System

HTMA = Hatfield Municipal Township Authority

I

ICAO = International Civil Aviation Organization
IDLH = Immediately Dangerous Life or Health
IESNA = Illuminating Engineering Society of North America
IISD = International Institute for Sustainable Development
IOM = Institute of Medicine
IPDL = International Property Digital Library
IPC = International Programs Center, US Census Bureau
IPCC = Intergovernmental Panel on Climate Change
IRIS = Integrated Risk Information System
ISBN = International Standard Book Number
ISO = International Organization for Standardization (formerly = International Standards Organization)
ISSN = International Standard Serial Number
IT = Information Technology
ITER = International Toxicity Estimates for Risk
IUCN = International Union for the Conservation of Nature

J

JICST = Japan Information Center of Science and Technology

L

LCCN = Library of Congress Call Number
LCV = League of Conservation Voters
LEED = Leadership in Energy and Environmental Design
LOC = Library of Congress
LTER Network = Long Term Ecological Research Network

M

MIT = Massachusetts Institute of Technology
MCGL = Maximum Contaminant Goal Level
MCL = Maximum Contaminant Level
MMWR = Morbidity and Mortality Weekly Report
MSDS = Material Data Safety Sheet

N

NAAEE = North American Association for Environmental Education
NAE = National Academy of Engineering
NAICS = North American Industry Classification System
NAL = National Agricultural Library, USDA
NAP = National Academies Press
NARA = US National Archives and Records Administration
NAS = National Academy of Sciences
NASA = National Aeronautics and Space Administration
NBS = National Biological Service, USGS
NBII = National Biological Information Infrastructure
NCBI = National Center for Biotechnology Information, NIH
NCEA = National Center for Environmental Assessment
NCEAS = National Center for Ecological Analysis and Synthesis
NCER = National Center for Environmental Research, EPA
NCI = National Cancer Institute, NIH
NEEF = National Environmental Education Foundation
NEETF = National Environmental Education and Training Foundation, EPA
NEIC = National Enforcement Investigations Center, EPA
NEJAC = National Environmental Justice Advisory Council, EPA
NEMI = National Environmental Methods Index
NEPA = National Environment Policy Act
NEPIS = National Environmental Publications Internet Site, EPA
NHEERL = National Health and Environmental Effects Research Laboratory, EPA
NCBI = National Center for Biotechnology Information
NGO = Non-Governmental Organization
NIEHS = National Institute of Environmental Health Sciences, NIH
NIH = US National Institutes of Health
NIL = Nanoparticle Information Library, NIOSH
NIOSH = National Institute for Occupational Safety and Health
NISIC = National Invasive Species Information Center
NIST = National Institute of Standards and Technology
NLM = National Library of Medicine, NIH
NMAM = NIOSH Manual of Analytical Methods
NMFS = National Marine Fisheries Service, NOAA
NNI = National Nanotechnology Initiative
NPDES = National Pollutant Discharge Elimination System
NPL = National Priorities List
NOAA = National Oceanic and Atmospheric Administration
NPPR = National Pollution Prevention Roundtable
NRC = National Research Council
NRMRL = National Risk Management Research Laboratory, EPA
NSCEP = National Service Center for Environmental Publications, EPA
NSTC = National Science and Technology Council, OSTP
NTIS = National Technical Information Service

NTP = National Toxicology Program, NIH
NWF = National Wildlife Federation

O

OAP = Office of Atmospheric Programs, EPA
OAQPS = Office of Air Quality Planning and Standards, EPA
OAR = Office of Air and Radiation, EPA
OCFO = Office of the Chief Financial Officer, EPA
OECA = Office of Enforcement and Compliance Assurance, EPA
OECD = Organisation for Economic Co-operation and Development
OEE = Office of Environmental Education, EPA
OEJ = Office of Environmental Justice, EPA
OLS = Online Library System, EPA
OMB = Office of Management and Budget, EOP
OMIM = Online Mendelian Inheritance in Man
OPP = Office of Pesticide Programs, EPA
OPPT = Office of Pollution Prevention and Toxics, EPA
OPPTS = Office of Prevention, Pesticides and Toxic Substances, EPA
ORD = Office of Research and Development, EPA
OHEA = Office of Health and Environmental Assessment, EPA
ORNL = Oak Ridge National Laboratory
OSA = Office of Science Advisor, EPA
OSC = On-Scene Coordinators
OSHA = US Occupational Safety and Health Administration
OSRTI = Office of Superfund Remediation and Technology Innovation, EPA
OSTP = US Office of Science and Technology Policy
OSW = Office of Solid Waste, EPA
OSWER = Office of Solid Waste and Emergency Response, EPA
OTA = Office of Technology Assessment, EPA
OTAQ = Office of Transportation and Air Quality, EPA
OUST = Office of Underground Storage Tanks, EPA
OW = Office of Water, EPA
OWOW = Office of Wetlands, Oceans, and Watersheds, EPA

P

P2 = Pollution Prevention
P2RX = Pollution Prevention Resource Exchange
PCT = Patent Cooperation Treaty
PCSD = President's Council on Sustainable Development
PDF = Portable Document Format
PHS = Public Health Services
PPIC = Pollution Prevention Information Clearinghouse, EPA

PTO = US Patent and Trademark Office

R

RA = Remedial Action

RAGS = Risk Assessment Guidance for Superfund

R&D = Research and Development

RCRA = Resource Conservation and Recovery Act

RCRIS = Resource Conservation and Recovery Information System

RD = Remedial Design

RFF = Resources For the Future

RMP = Risk Management Plan

ROE = Report on the Environment

ROD = Record of Decision

RPM = Remedial Project Managers

RPPC = RCRA Permit Policy Compendium

RSC = Royal Society of Chemistry

RTECS = Registry of Toxic Effects of Chemical Substances

S

SAAR = Seasonally Adjusted Annual Rate of Sales

SAB = Science Advisory Board

SAE = Society of Automotive Engineers

SCDM = Superfund Chemical Data Matrix

SCRAM = State Consolidated RCRA Authorization Manual

SCRD = State Coalition for Remediation of Drycleaners

SDWA = Safe Drinking Water Act

SEC = US Securities and Exchange Commission

SEER = Surveillance, Epidemiology and End Results, National Cancer Institute, NIH

SIC = Standard Industrial Classification

SIRI = Safety Information Resources, Inc.

SNNI = Safer Nanomaterials and Nanomanufacturing Initiative

SOC = Selected OSW Correspondence

SPC = Science Policy Council, OSA, EPA

SSL = Soil Screening Level

STN = Scientific and Technical Information Network

T

TIP = Technology Innovation Program

TOXNET = TOXicology Data NETwork

TRI = Toxics Release Inventory, EPA

TSCA = Toxic Substances Control Act
TTN = Technology Transfer Network, EPA

U

UN = United Nations
UNDP = United Nations Development Programme
UNEP = United Nations Environment Programme
UNSD = United Nations Statistics Division
US = United States
USACE = US Army Corps of Engineers
USDA = US Department of Agriculture
USGBC = US Green Building Council
USGS = US Geological Survey

W

WDC = World Data Center
WEF = Water Environment Federation
WHO = World Health Organization
WIPO = World Intellectual Property Organization
WMD = Weapons of Mass Destruction
WRI = World Resources Institute

Appendix C - Publishers and Distributors

The list of publishers and distributors in this section was compiled from the resources in this document and is not intended to represent a comprehensive list of sources for environmental information. The EPA does not endorse commercial entities nor advocate their use.

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National Environmental Education Foundation

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