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## ABSTRACT

Municipal solid waste refers to waste materials generated by residential, commercial, and institutional sources, and consists predominantly of paper, glass, metals, plastics, and food and yard waste. Within the definition of the Solid Waste Disposal Act, municipal solid waste does not include sewage sludge or hazardous waste. The three main options for management are storage in landfills, recycling, and incineration. This guide is intended for those who wish to review the literature on many aspects of municipal solid waste management, but especially reflects an emphasis on recycling and incineration with energy recovery. This document includes bibliographies under some of the following headings: (1) "Introductions to the Topic"; (2) "Subject Headings" (used by the Library of Congress, under which books on municipal solid waste management, recycling, and resource recovery can be located); (3) "Basic Texts"; (4) "Specialized Texts"; (5) "Dictionaries, Encyclopedias and Handbooks"; (6) "Bibliographies"; (7) "Conference Proceedings" (8) "Selected Conference Proceedings" (9) "Directories and Trade Catalogs"; (10) "Dissertations"; (11) "Selected Dissertations"; (12) "Government Publications"; (13) "Selected Government Publications"; (14) "Abstracting and Indexing Services"; (15) "Journals"; (16) "Representative Journal Articles"; (17) "Technical Reports"; (18) "Selected Technical Reports"; (19) "Selected Materials"; and (20) "Additional Sources of Information." (CW)

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## MUNICIPAL SOLID WASTE MANAGEMENT: RECYCLING, RESOURCE RECOVERY, AND LANDFILLS Compiled by Teresa Meikle

TB 89-4

December 1989

**SCOPE:** Municipal solid waste refers to waste materials generated by residential, commercial, and institutional sources, and consists predominantly of paper, glass, metals, plastics, food waste, and yard waste. Within the definition of the Solid Waste Disposal Act, municipal solid waste does not include sewage sludge or hazardous waste (see TB 83-3). The collection and disposal of municipal solid waste is usually the responsibility of local government. The three main options for management are storage in landfills, recycling, and incineration. In recent years, landfilling has become more expensive as site capacities are exceeded, regulations become more stringent, and citizens oppose new site locations. Thus, more attention is being given to recycling (also called "salvage" or "waste reprocessing"), and to incineration with energy recovery. The term "resource recovery" originally referred to any method of recovering materials or energy from waste, but now usually refers to the generation of electricity by burning solid waste in a "resource recovery facility."

This guide lists works on many aspects of municipal solid waste management, but especially reflects the current emphasis on recycling and incineration with energy recovery. Not intended to be a comprehensive bibliography, it is designed--as the name of the series implies--to put the reader "on target."

### INTRODUCTIONS TO THE TOPIC

O'Leary, Philip R., Patrick W. Walsh, and Robert K. Ham. Managing solid waste. *Scientific American*, v. 259, Dec. 1988: 36-42. **T1.S5 and Pamphlet box\***

Underwood, Joanna D., Allen Hershkowitz, and Maarten de Kadt. *Garbage: practices, problems & remedies*. New York, INFORM, c1988. 25 p. **TD788.U43 1988 and Pamphlet box\***

\*Available in reference collection, Science Reading Room

ED317410

SE05/325

White, Peter T. The fascinating world of trash. **National geographic**, v. 163, Apr. 1983: 424-457.

**Gl.N27 and Pamphlet box\***

SUBJECT HEADINGS used by the Library of Congress, under which books on municipal solid waste management, recycling, and resource recovery can be located in most card, book, and online catalogs include the following:

REFUSE AND REFUSE DISPOSAL (Highly relevant)

May use geographic subdivisions, e.g., REFUSE AND REFUSE DISPOSAL--JAPAN; REFUSE AND REFUSE DISPOSAL--NEW YORK METROPOLITAN AREA

RECYCLING INDUSTRY (Relevant)

RECYCLING (WASTE, ETC.) (Relevant)

See also RECYCLING under specific materials, e.g., WASTE PAPER--RECYCLING; GLASS WASTE--RECYCLING; PLASTIC SCRAP--RECYCLING

Note: for geographical breakdowns of these topics, it is necessary to search ALUMINUM--geographic area--RECYCLING

REFUSE AS FUEL (Relevant)

REFUSE COLLECTION (Relevant)

REFUSE DISPOSAL FACILITIES (Relevant)

REFUSE DISPOSAL INDUSTRY (Relevant)

RESOURCE RECOVERY FACILITIES (Relevant)

SANITARY LANDFILLS (Relevant)

WASTE PRODUCTS AS FUEL (More general)

ASH DISPOSAL (Related)

FACTORY AND TRADE WASTE (Related)

INCINERATION (Related)

LITTER (TRASH) (Related)

PACKAGING--ENVIRONMENTAL ASPECTS (Related)

SALVAGE (WASTE, ETC.) (Related)

WASTE DISPOSAL IN THE OCEAN (Related)

WASTE DISPOSAL SITES (Related)

See also WASTE DISPOSAL under types of facilities, plants, industries, etc., e.g., CONSTRUCTION INDUSTRY--WASTE DISPOSAL

WASTE PAPER (Related)

### BASIC TEXTS

Coming full circle: successful recycling today. New York, Environmental Defense Fund, 1988. 162 p. **Pamphlet box\***  
Bibliography: p. 127-143.

Melosi, Martin V. **Garbage in the cities: refuse, reform, and the environment, 1880-1980.** College Station, Tex., Texas A&M University Press, c1981. 268 p. (Environmental history series, no. 4) **TD788.M45 1981**  
Bibliography: p. 243-259.

- Neal, Homer A., and J. R. Schubel. **Solid waste management and the environment: the mounting garbage and trash crisis.** Englewood Cliffs, N.J., Prentice-Hall, c1987. 240 p.  
Bibliography: p. 221-234. **TD788.N43 1987\***
- Shea, Cynthia Pollock. **Mining urban wastes: the potential for recycling.** Washington, Worldwatch Institute, c1987.  
58 p. (Worldwatch paper, no. 76) **TD794.5.S477 1987**  
Bibliography: p. 49-58.  
Author's name on title page: Cynthia Pollock.

### SPECIALIZED TEXTS

- Abert, James Goodear. **Municipal waste processing in Europe: a status report on selected materials and energy recovery projects.** Washington, World Bank, 1985. 157 p. (UNDP project management report, no. 4; World Bank technical paper, no. 37; Integrated resource recovery series, no. 4)  
Includes bibliographies. **TD794.5.A4 1985**
- Alter, Harvey. **Materials recovery from municipal waste: unit operations in practice.** New York, M. Dekker, c1983.  
264 p. (Pollution engineering and technology, no. 24)  
Includes bibliographical references. **TD794.5.A425 1983**
- Hershkowitz, Allen, and Eugene Salerni. **Garbage management in Japan: leading the way.** New York, INFORM, c1987. 131 p.  
Bibliography: p. 125-126. **TD789.J3H47 1987**
- Kirshner, Dan, and Adam C. Stern. **To burn or not to burn: the economic advantages of recycling over garbage incineration for New York City.** New York, Environmental Defense Fund, 1985. 101 p.  
Includes tables. **HD4484.N7K57 1985**
- Managing solid wastes in developing countries.** Edited by John R. Holmes. Chichester, England; New York, Wiley, c1984.  
304 p. **TD790.M36 1984**  
Includes bibliographical references.
- Morris, David J., and Brenda Platt. **Garbage disposal economics: a statistical snapshot.** Washington, Institute for Local Self-Reliance, 1987. 101 p.  
Bibliography: p. 97-101. **HD4483.G37 1987**

**Recycling international: recovery of energy and material from residues and waste.** Edited by Karl J. Thomé-Kozmiensky. Berlin, Freitag für Umwelttechnik, c1982. 935 p.

TD794.5.R435 1982\*

Sponsored by the Metallurgical Society of AIME and others.

Contributions from Recycling Congress 1982.

Includes bibliographical references.

**Resource recovery from municipal solid wastes.** Luis F. Diaz, George M. Savage, and Clarence G. Golueke. Boca Raton, Fla., CRC Press, c1982. 2 v.

TD794.5.R455 1982\*

Includes bibliographical references.

Contents: v. 1. Primary processing.--v. 2. Final processing.

Seldman, Neil N., and Lawrence R. Martin. **An environmental review of incineration technologies.** Washington, Institute for Local Self-Reliance, c1986. 128 p.

TD195.I52S45 1986

Bibliography: p. 37-44.

**Small-scale municipal solid waste energy recovery systems.**

Gershman, Brickner & Bratton, Inc. New York, Van Nostrand Reinhold, c1986. 272 p.

TD796.2.S63 1986

Bibliography: p. 259-265.

Tillman, David A., Amadeo J. Rossi, and Katherine M. Vick. **Incineration of municipal and hazardous solid wastes.** San Diego, Academic Press, c1989. 343 p.

TD1062.T55 1989

Includes bibliographies.

Turner, R. Kerry. **Household waste: separate collection and recycling.** Paris, Organisation for Economic Co-operation and Development; Washington, OECD Publications and Information Center, distributor, 1983. 141 p.

TD794.5.T87 1983

"The study was carried out by Mr. R. K. Turner (University of East Anglia) for the Waste Management Policy Group ... of the OECD Environment Committee."--p. 3.

Bibliography: p. 136-141.

**DICTIONARIES, ENCYCLOPEDIAS, and HANDBOOKS that contain information on municipal solid waste management include:**

**Dictionary of environmental protection technology: in four languages, English, German, French, Russian.** Compiled by Egon Seidel. Amsterdam, New York, Elsevier, 1988.

527 p.

TD169.3.D53 1988\*

**Encyclopedia of chemical technology.** 3rd ed. New York, Wiley, c1978-1984. 31 v. **TP9.E685 1978\***

See articles under "Fuels from waste," "Recycling (Introduction)," "Recycling (Glass)," "Recycling (Paper)," etc.

**Encyclopedia of environmental science and engineering.** Edited by J. R. Pfafflin and E. N. Ziegler. 2nd rev. and updated ed. New York, Gordon and Breach Science Publishers, c1983. 3 v. **TD9.E5 1983\***

See articles under "Management of solid waste," "Recycling waste materials," "Environmental health," etc.

**Environmental impact statement glossary: a reference source for EIS writers, reviewers, and citizens.** Edited by Marc Landy. New York, IFI/Plenum, c1979. 537 p. **TD194.6.E63\***  
Bibliography: p. 495-503.

Gilpin, Alan. **Environmental planning: a condensed encyclopedia.** Park Ridge, N.J., Noyes Publications, c1986. 348 p. **HC79.E5G52 1986**

Patrick, P. K. **Glossary on solid waste.** Copenhagen, World Health Organization, Regional Office for Europe, 1980. 92 p. **TD785.5.P37 1980**

Scott, John S., and Paul G. Smith. **Dictionary of waste and water treatment.** London, Boston, Butterworths, 1981. 359 p. **TD9.S37 1981**

Sittig, Marshall. **Metal and inorganic waste reclaiming encyclopedia.** Park Ridge, N.J., Noyes Data Corp., 1980. 591 p. (Pollution technology review, no. 70; Chemical technology review, no. 175) **TD794.5.S56**

**The Solid waste handbook: a practical guide.** Edited by William D. Robinson. New York, Wiley, c1986. 811 p. Includes bibliographies. **TD897.S565 1986\***

Vincent, Lois. **Solid waste terminology (English-French).** Ottawa, Canada, Federation of Canadian Municipalities, Translation Bureau; Hull, Quebec, Canada, Available from Canadian Govt. Pub. Centre, Supply and Service Canada, c1981. 100, 96 p. (Terminology bulletin, 167) Bibliography: p. 81-100. **TD785.5.V56 1981**

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- Gunter, John D., and William Carl Jameson. **The ecological impact of solid waste.** Monticello, Ill., Council of Planning Librarians, 1973. 17 p. (Council of Planning Librarians. Exchange bibliography, no.406) Z5492.C68 no. 406
- Koehler, Cortus T. **Solid waste management: a bibliography.** v. 1- Monticello, Ill., Vance Bibliographies, 1988- (Public administration series--bibliography, P-2342- ) Z5862.2.F32K64 1988  
Contents: v. 1. 1920-1950.--v. 2. 1960's.--v. 3. 1970's.--
- Miller, E. Willard, and Ruby M. Miller. **Environmental hazards --solid wastes: a bibliography.** Monticello, Ill., Vance Bibliographies, 1985. 43 p. (Public administration series--bibliography, P-1613) Z5862.2.F32M55 1985
- Recycling from municipal refuse: a state-of-the-art review and annotated bibliography.** Sandra Johnson Cointreau and others. Washington, World Bank, 1984. 214 p. (World Bank technical paper, no. 30; Integrated resource recovery series, no. 1) Z7914.R2R43 1984\*  
Bibliography: p. 25-31, 189.
- Shreve, Betsy. **Recycling as a municipal solid waste management strategy: a bibliography on key issues for local community planning.** Chicago, CPL [Council of Planning Librarians] Bibliographies, c1983. 8 p. (CPL bibliography, no. 114) Z7914.R2S49 1983
- United States. Environmental Protection Agency. **Available information materials on solid waste management: total listing, 1966 to 1979.** Washington, U.S. Environmental Protection Agency, 1979. 240 p. Z5853.S22U4285 1979a  
"An environmental protection publication (SW-203) in the solid waste management series."
- Vance, Mary A. **Refuse disposal: a bibliography.** Monticello, Ill., Vance Bibliographies, 1981. 55 p. (Public administration series--bibliography, P-876) Z5853.S22V364

CONFERENCE PROCEEDINGS can be identified using:

- British Library. Lending Division. Index of Conference Proceedings Received (1974-) Z7403.B8b\*  
Does not index individual papers.
- Conference Papers Index (1973-) Z7403.C84\*  
Indexes individual papers.

Directory of Published Proceedings. Series SEMT: Science/engi-  
neering/ medicine/technology (1965-) Z7409.D56\*

Does not index individual papers.

Index to Scientific & Technical Proceedings (1978-) Z7403.I4\*

Indexes individual papers.

Proceedings in Print (1964-) Z5063.A2P7\*

Does not index individual papers.

SELECTED CONFERENCE PROCEEDINGS

**Biotechnological advances in processing municipal wastes for  
fuels and chemicals.** Edited by A. A. Antonopoulos. Park  
Ridge, N.J., Noyes Data Corp., 1987. 488 p.

TD796.2.B56 1987

"Proceedings of the Symposium on Biotechnological  
Advances in Processing Municipal Wastes for Fuels and  
Chemicals held in Minneapolis, Minn., on Aug. 15-17, 1984,  
and sponsored by the U.S. Department of Energy's Division  
of Energy from Municipal Waste and by Argonne National  
Laboratory's Energy and Environmental Systems Division."

Originally published: Washington, U.S. Dept. of Energy,  
1985.

Includes bibliographies.

**Environment and solid wastes: characterization, treatment, and  
disposal.** Edited by Chester W. Francis, Stanley I. Auerbach;  
technical editor, Vivian A. Jacobs. Boston, Butterworths,  
c1983. 498 p.

TD785.E58 1983

"Proceedings of the Fourth Life Sciences Symposium,  
environment and solid wastes. Gatlinburg, Tennessee,  
October 4-8, 1981, sponsored by Oak Ridge National Labora-  
tory and others."

Includes bibliographies.

**Resource recovery of municipal solid wastes.** Peter J. Knox,  
editor. New York, American Institute of Chemical Engineers,  
1988. 197 p. (AIChE symposium series, no. 265, v. 84)

TD794.5.R4566 1988

Papers presented at the 1988 AIChE Spring National  
Meeting in New Orleans.

Includes bibliographies.

**Reuse of solid waste: proceedings of a conference on the  
practical implications of the reuse of solid waste.**  
Organized by the Institution of Civil Engineers, held in  
London on 11-12 November 1981. London, T. Telford, 1982.  
154 p.

TD794.5.R459 1982

Includes bibliographical references.



**Sorting of household waste and thermal treatment of waste.**  
Edited by M. P. Ferranti and G. L. Ferrero. London, New York, Elsevier Applied Science Publishers; New York, Sole distributor in USA and Canada, Elsevier Applied Science Publishers, c1985. 521 p. **TD794.5.S67 1985**

"Proceedings of the information symposium under the EEC programme on recycling of urban and industrial waste, Luxembourg, 25-27 September 1984."  
Includes bibliographies.

**Technology Exchange Program. Plastics recycling as a future business opportunity: proceedings, Technology Exchange Program, Plastics Institute of America.** 1987- Lancaster, Pa., Technomic Pub. Co. annual. **HD9661.U6T43a**  
First conference held in 1986.

### DIRECTORIES AND TRADE CATALOGS

**Recoup's American recycling market: ARM.** Ogdensburg, N.Y., Venture Publications Ltd., 1985- annual. **HD9975.U5R4\***  
Contains over 14,000 listings of materials recycling companies, recycling centers, equipment dealers, etc.

**Resource recovery information service.** Washington, Gershman, Brickner & Bratton, 1985. 1 v. (various pagings)  
**TD794.5.R4564 1985**

**Resource recovery yearbook directory & guide.** New York, Governmental Advisory Associates, 1984- biennial.  
**TD794.5.R458\***

**Waste age. Waste industry buyer guide.** Washington, National Solid Wastes Management Association, 1985- annual.  
**HD9975.U5W37**

DISSERTATIONS can be located by using the following indexes:

Comprehensive Dissertation Index (1973- annual)  
**Z5053.X472 MicRR, MRR**

Dissertation Abstracts International (1938- monthly)  
**Z5053.D57 MicRR**

Series A--The Humanities and Social Sciences.

Series B--The Sciences and Engineering.

Dissertation Abstracts Ondisc (CD-ROM) **MicRR**

SELECTED DISSERTATIONS (available in Microform Reading Room)

- Abraham, Thomas John, Jr. **The conversion of municipal solid waste to chemicals.** Ann Arbor, Mich., University Microfilms, 1985. 2 microfiche, 4 x 6 in.  
UMI Microfiche DA608249  
Collation of the original: 165 p.  
Bibliography: p. 160-164.  
Thesis (doctoral)--University of Tennessee, Knoxville, 1985.  
Abstracted in Dissertation Abstracts, v. 47B, Aug. 1986: 709.
- De Young, Raymond Kurt. **Some psychological aspects of resource conservation: the role of intrinsic motivation in recycling.** Ann Arbor, Mich., University Microfilms, 1984. 2 microfiche, 4 x 6 in.  
UMI Microfiche AAC8422217  
Collation of the original: 120 p.  
Bibliography: p. 113-120.  
Thesis (doctoral)--University of Michigan, Ann Arbor, 1984.  
Abstracted in Dissertation Abstracts, v. 45A, Jan. 1985: 2278.
- Korfiatis, George Panayiotis. **Modeling the moisture transport through solid waste landfills.** Ann Arbor, Mich., University Microfilms, 1984. 3 microfiche, 4 x 6 in.  
UMI Microfiche AAC8424121  
Collation of the original: 263 p.  
Bibliography: p. 203-212.  
Thesis (doctoral)--Rutgers, The State University of New Jersey, New Brunswick, 1984.  
Abstracted in Dissertation Abstracts, v. 45B, Jan. 1985: 2290.
- Ontiveros, Jean-Luc. **A comparison of the composition and properties of municipal solid waste incinerator ashes based on incinerator configuration and operation.** Ann Arbor, Mich., University Microfilms, 1989. 4 microfiche, 4 x 6 in.  
UMI Microfiche DA8903437  
Collation of the original: 356 p.  
Bibliography: p. 233-234.  
Thesis (doctoral)--Rutgers, The State University of New Jersey, New Brunswick, 1988.  
Abstracted in Dissertation Abstracts, v. 49B, May 1989: 4928.

Rodenbaugh, Karl Hase. **Groundwater monitoring program development, implementation, and evaluation: presentation of a case study at a solid waste landfill.** Ann Arbor, Mich., University Microfilms, 1987. 3 microfiche, 4 x 6 in.

UMI Microfiche DA8725992

Collation of the original: 232 p.

Bibliography: p. 179-189.

Thesis (doctoral)--University of California, Los Angeles, 1987.

Abstracted in Dissertation Abstracts, v. 48B, Mar. 1988: 2594.

GOVERNMENT PUBLICATIONS can be located in the following indexes:

American Statistics Index (1974-)

Z7554.U5A46 MicRR, N&CPR, SSRR

See: Recycling of Waste Materials  
Refuse and Refuse Disposal

CIS Index to Publications of the United States Congress

(1970-)

KY49.C62 MicRR, N&CPR, SSRR

See: Recycling of Waste Materials  
Names of laws, e.g., Resource Conservation and Recovery Act, Solid Waste Disposal Act, etc.

Index to Current Urban Documents (1972-)

Z7165.U5I654 MicRR, N&CPR

See: Recycling (Wastes, etc.)  
Refuse and Refuse Disposal  
Resource Recovery  
Sanitary Landfills

Monthly Catalog of United States Government Publications

(1895-)

Z1223.A18\* N&CPR

See: Salvage (Waste, etc.)  
Recycling (Waste, etc.)  
Refuse and Refuse Disposal  
Resource Recovery Facilities

Monthly Checklist of State Publications (1955-)

Z1223.5.A1U5 N&CPR, MRR

See: Recycling (Waste, etc.)  
Refuse and Refuse Disposal  
Resource Recovery Facilities  
Sanitary Landfills

SELECTED GOVERNMENT PUBLICATIONS

United States. **The Solid Waste Disposal Act: as amended by the Hazardous and Solid Waste Amendments of 1984 (Public Law 98-616), the Safe Drinking Water Act Amendments of 1986 (Public Law 99-339), and the Superfund Amendments and Reauthorization Act of 1986 (Public Law 99-499).** Washington, U.S. Govt. Print. Off., 1987. 138 p. (S. prt., 99-215)  
KF3816.R4A3 1987

At head of title: 99th Congress, 1st session. Committee print.

"Printed for the use of the Senate Committee on Environment and Public Works."

United States. Congress. House. Committee on Energy and Commerce. Subcommittee on Health and the Environment. **Control of air pollution from municipal waste incinerators: hearing before the Subcommittee on Health and the Environment of the Committee on Energy and Commerce, House of Representatives, One Hundredth Congress, first session on H.R. 2787 ... July 2, 1987.** Washington, U.S. Govt. Print. Off., 1988. 229 p.  
KF27.E553 1987

Bibliography: p. 122.

United States. Congress. House. Committee on Energy and Commerce. Subcommittee on Transportation, Tourism, and Hazardous Materials. **Municipal waste disposal crisis: hearings before the Subcommittee on Transportation, Tourism, and Hazardous Materials of the Committee on Energy and Commerce, House of Representatives, One Hundredth Congress, first session, March 19, May 6, and June 5, 1987.** Washington, U.S. Govt. Print. Off., 1987. 400 p.

KF27.E5585 1987c

United States. Environmental Protection Agency. **Patent abstracts: United States solid waste management, 1945-1969.** Compiled by John A. Connolly and Sandra E. Radinsky. Washington, U.S. Govt. Print. Off., 1973. 452 p. (Public Health Service publication, no. 1793, suppl. A; Solid waste management series, SW-77)  
TD793.U612

United States. Environmental Protection Agency. **Solid waste disposal facility criteria. Federal register, v. 53,** Aug. 30, 1988: 33314-33422.  
KF70.A2

Proposed rule affecting 40 CFR Parts 257 and 258.

ABSTRACTING AND INDEXING SERVICES that index relevant journal articles and other literature are listed below. Some terms are suggested as aids in searching. (See also indexes for locating dissertations, government publications, conference proceedings and technical reports, listed in other sections of this Tracer Bullet.)

Applied Science and Technology Index (1913-) Z7913.I7\*

See: Landfills  
Refuse, Utilization of  
Refuse as Fuel  
Refuse Grinders  
Refuse Incinerators  
Waste Paper  
Waste to Energy Plants  
Containers--Re-use  
Plastics Waste

Engineering Index (1884-) Z5851.E62\*

See: Recycling  
See also Recycling under specific materials and processes, e.g. Plastics--Recycling, Glass--Recycling, Refuse Disposal--Recycling  
Refuse Disposal--(more than 20 subheadings, including geographic subheadings, such as --Japan, --Minnesota, --Dallas, Tx.)  
Refuse Incinerators  
Sanitary Landfills  
Waste Disposal--Incineration  
Energy Resources--Waste Utilization  
Fuels--Refuse Derived Fuels

Environment Abstracts Annual (1971-) GF1.E553\*

(Formerly published with companion volume Environment Index, 1971-1987.)

See: Solid Waste Equipment  
Solid Waste Energy  
Solid Waste Reprocessing, etc.  
Recycling  
Recycled (name of material, e.g. Recycled Glass, Recycled Aluminum, etc.)  
Resource Recovery  
Incineration  
Landfill, Sanitary

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Note: Consult reference librarian for location of abstracting and indexing services in the Science Reading Room.

**Environmental Periodicals Bibliography (1972-) Z5863.E57E58\***

See: Landfill  
Recycling  
Refuse  
Resource Recovery  
Solid Waste Incineration  
Waste Reduction  
Waste Separation  
Waste, Solid, Municipal  
See also: name of material, e.g., Plastic, Aluminum

**General Science Index (1978-) Z7401.G46\***

See: Fills (Earthworks)  
Refuse as Fuel  
Refuse Incinerators  
Waste, Utilization of

**Magazine Index (1980-) Available in several formats at LC**

See: Refuse and Refuse Disposal  
Recycling Industry  
Recycling (Waste, etc.)  
See also: name of material, e.g.,  
Plastics--Recycling  
Resource Recovery Facilities  
Sanitary Landfills

**Pollution Abstracts (1970-) TD172.P65\***

See: Landfills  
Municipal Wastes  
Recycling  
See also: name of material, e.g.,  
Plastics, Recycling  
Recycling Plants  
Refuse  
Refuse Collection  
Refuse Derived Fuels  
Resource Recovery Plants  
Solid Wastes  
Incineration

**Public Affairs Information Service Bulletin (1915-) Z7163.P9**

See: Sanitary Landfills  
Recycling (Waste, etc.)  
Refuse Disposal  
Refuse Incinerators

**Readers' Guide to Periodical Literature (1900-) AI3.R45**

See: Filling (Earthwork)  
Recycling (Waste, etc.)  
Refuse and Refuse Disposal  
Refuse as Fuel  
See also: name of city, e.g., Islip (N.Y.)--Sanitary  
Affairs

JOURNALS that often contain articles on solid waste management, recycling, and resource recovery include:

- The American City & County HT101.A5  
BioCycle S661.C6  
Environmental Science & Technology TD180.E5  
Management of World Wastes TD791.S665  
(continues Solid Waste Management)  
Plastics Recycling Update N&CPR (current issues only)  
Public Works TD1.P8  
Resource Recycling: North America's Recycling Journal  
TD794.5.R4585  
Solid Waste Report TD795.S63  
Technology Review T171.M47\*  
Waste Age TD795.W37  
Waste Management & Research: the Journal of the International  
Solid Wastes and Public Cleansing Association, ISWA  
TD896.W35

REPRESENTATIVE JOURNAL ARTICLES

- Belevi, H., and P. Baccini. Long-term behaviour of municipal solid waste landfills. Waste management & research, v. 7, Mar. 1989: 43-56. TD896.W35
- Budiansky, Stephen, and Robert F. Black. Tons and tons of trash and no place to put it. U.S. news & world report, v. 103, Dec. 14, 1987: 58-62. JK1.U65
- Child, David, Gail A. Pollette, and Herbert W. Flosdorf. Waste stream analysis. Waste age, v. 17, Nov. 1986: 183-192. TD795.W37
- Darcey, Susan. Open markets welcome recyclables. Management of world wastes, v. 31, Aug. 1988: 40-44. TD791.S665
- Goldoftas, Barbara. Recycling: coming of age. Technology review, v. 90, Nov./Dec. 1987: 28-35, 71. T171.M47
- Hershkowitz, Allen. Burning trash: how it could work. Technology review, v. 90, July 1987: 26, 28-34. T171.M47
- Marcus, Jerry Z., and Ronald J. Mills. Emissions from mass burn resource recovery facilities. Risk analysis, v. 8, Sept. 1988: 315-327. T174.5.R55
- Morrow, Darrell R., and others. Overview of plastics recycling. Tappi journal, v. 70, Dec. 1987: 138-143. TS1080.T3

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**TECHNICAL REPORTS** and other types of literature are indexed in the following:

**EPA Publications Bibliography (1977-) Z5863.P7U58a\***

Suggested key words:

Landfills  
Municipal Solid Wastes  
Municipal Wastes  
Recycling  
Sanitary Landfills  
Solid Waste Management

**Government Reports Announcements and Index (1946-)  
Z7916.G78\***

**NTIS Title Index on Microfiche (1964-) Uncataloged\***

Suggested key words:

Municipal Solid Waste  
Recycled Materials  
Recycling  
Resource Recovery Facilities  
Solid Waste Disposal  
Solid Waste Management  
Solid Wastes Disposal  
Waste Energy Utilization  
Waste Processing, etc.



SELECTED TECHNICAL REPORTS

- Characterization of products containing lead and cadmium in municipal solid waste in the United States, 1970 to 2000.** Prepared by Franklin Associates, Ltd., for U.S. Environmental Protection Agency, Municipal Solid Waste Program. Prairie Village, Kan., Franklin Associates, Jan. 1989. 221 p. (EPA/530-SW-89-015A) **PB89-151039\*\***
- Franklin, Marjorie A. Characterization of municipal solid waste in the United States, 1960 to 2000 (Update 1988).** Prepared for U.S. Environmental Protection Agency. Prairie Village, Kan., Franklin Associates, Mar. 1988. 43 p. (EPA/530-SW-88/033) **PB88-232780\*\***
- Greene, Stephen. Municipal waste combustion study: report to Congress.** Prepared for U.S. Environmental Protection Agency, Office of Solid Waste and Emergency Response. Research Triangle Park, N.C., Radian Corp., June 1987. 172 p. (EPA/530-SW-87/021A) **PB87-206074\*\***  
This report provides an overview of the entire nine-volume Municipal Waste Combustion Study (EPA/530-SW-87-021A-I).
- McGuire, R. H., W. W. Hughes, and W. L. Rathje. Garbage project on recycling behavior.** Prepared for National Science Foundation. Tucson, University of Arizona, Feb. 1982. 113 p. (NSF/CEE-82145) **PB85-181527\*\***
- National survey of solid waste municipal landfill facilities.** Submitted to U.S. Environmental Protection Agency, Office of Solid Waste. Rockville, Md., Westat, Sept. 1988. 74 p. (EPA/530-SW-88-034) **PB89-118525\*\***
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- Sellers, Jere. Feasibility of tax incentives for purchases of recycling equipment or recycled products.** Prepared for Illinois Department of Energy and Natural Resources. Prairie Village, Kan., Franklin Associates, May 1987. 170 p. (ILENR/RE-EA-87/06) **PB87-199709\*\***

**\*\*Available in microform collection, Science Reading Room.**

United States. Environmental Protection Agency. **Report to Congress: solid waste disposal in the United States.** Washington, Environmental Protection Agency, Office of Solid Waste and Emergency Response, Oct. 1988. 2 v. (EPA/530-SW-88-011 and EPA/530/SW-88-011B)

**PB89-110381 and PB89-110399\*\***

**SELECTED MATERIALS** available in the Science Reading Room pamphlet boxes include:

Glenn, Jim, and David Riggle. Where does the waste go? **BioCycle**, v. 30, Apr. 1989: 34-39.

Goldstein, Nora. A guide to solid waste composting systems. **BioCycle**, v. 30, Jan. 1989: 38-47.

Grogan, Pete, and Ruth Bell. Local impact of state recycling laws. **BioCycle**, v. 30, May 1989: 50-55.

**Municipal incinerators: 50 questions every local government should ask.** Written by R. W. Beck and Associates, Engineers, and Spiegel & McDiarmid, Attorneys. Washington, National League of Cities, 1988. 54 p.

**Residential paper recovery: a community action program.** Written and illustrated for the Office of Solid Waste by the National Center for Resource Recovery, Inc., under Grant No. T-900516-01-0. Washington, U.S. Govt. Print. Off. [1977?] 20 p. (SW-553)

**Why waste a second chance? a small town guide to recycling.** Washington, National Center for Small Communities, c1989. 41 p.  
Bibliography: p. 39-40.

#### **ADDITIONAL SOURCES OF INFORMATION**

Center for Plastics Recycling Research  
Rutgers University  
P.O. Box 909  
Piscataway, New Jersey 08854  
Telephone: (201) 932-3683  
Technical information.

Environmental Action Foundation  
Solid Waste Alternatives Project  
1525 New Hampshire Avenue, N.W.  
Washington, D.C. 20036  
Telephone: (202) 745-4897  
Publications and information on waste reduction and recycling. Send self-addressed stamped envelope for more information.

Environmental Defense Fund  
257 Park Avenue South  
New York, New York 10010  
Telephone: (212) 505-2100, (202) 387-3500  
Provides information on legislative interests,  
publications.

Institute for Local Self-Reliance  
2425 18th Street, N.W.  
Washington, D.C. 20009  
Telephone: (202) 232-4108  
Publications, information, and technical assistance relating  
to waste management projects. Library open to the public by  
appointment.

Institute of Scrap Recycling Industries  
1627 K Street, N.W.  
Washington, D.C. 20006-1704  
Telephone: (202) 466-4050  
Information services for municipalities and industries which  
collect and sell recycled materials, including paper, glass,  
plastic and metal scrap.

National Recycling Coalition  
1101 30th Street, N.W., Suite 305  
Washington, D.C. 20007  
Telephone: (202) 625-6406  
Provides information, technical assistance to communities.  
Quarterly newsletter. Holds annual national recycling  
congress.

National Solid Wastes Management Association  
1730 Rhode Island Avenue, N.W., Suite 1000  
Washington, D.C. 20036  
Telephone: (202) 659-4613  
Research, information, speakers bureau. Publishes trade  
magazines and directories.

U.S. Environmental Protection Agency  
Office of Solid Waste and Emergency Response  
401 M Street, S.W.  
Washington, D.C. 20460  
Telephone: Superfund hotline (202) 382-3000, (800) 424-9346  
Distributes publications, interprets regulations.