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

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


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

Bibliography: p. 127-143.


**SPECIALIZED TEXTS**


Sponsored by the Metallurgical Society of AIME and others. Contributions from Recycling Congress 1982. Includes bibliographical references.

Includes bibliographical references. Contents: v. 1. Primary processing.--v. 2. Final processing.

Bibliography: p. 37-44.

Bibliography: p. 259-265.

Includes bibliographies.

"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:

TP9.E685 1978*  
See articles under "Fuels from waste," "Recycling (Introduction)," "Recycling (Glass)," "Recycling (Paper)," etc.

TD9.E5 1983*  
See articles under "Management of solid waste," "Recycling waste materials," "Environmental health," etc.

Bibliography: p. 495-503.


BIBLIOGRAPHIES


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.
SELECTED CONFERENCE PROCEEDINGS

TD796.2.B56 1987


Includes bibliographies.

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 Laboratory and others."
Includes bibliographies.

TD794.5.R4566 1988

Includes bibliographies.

TD794.5.R459 1982
Includes bibliographical references.
Sorting of household waste and thermal treatment of waste.

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


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.


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 Online (CD-ROM) MicRR
SELECTED DISSERTATIONS (available in Microform Reading Room)


UMI Microfiche DA8725992

Collation of the original: 232 p.

**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-)**

  X049.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.U51654 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-)**

  Z12223.S185 N&CPR, MRR

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


At head of title: 99th Congress, 1st session. Committee print.
"Printed for the use of the Senate Committee on Environment and Public Works."


Bibliography: p. 122.


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-) Z7913.17*  
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, Tex.)  
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-) A13.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
- Solid Waste Report TD795.S63
- Technology Review T171.M47*
- Waste Age TD795.W37

REPRESENTATIVE JOURNAL ARTICLES


Sellden, Neil. The rise and fall of recycling: has the re-usable ethic been thrown away? *Environmental action*, v. 18, Jan./Feb. 1987: 12-16. HC110.E5E496


**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-)
- 27916.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.


This report provides an overview of the entire nine-volume Municipal Waste Combustion Study (EPA/530-SW-87-021 A-I).


**Available in microform collection, Science Reading Room.

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


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.