# AVAILABLE INFORMATION MATERIAL!



# SOLID WASTE MANAGEMENT

# **Available Information Materials**

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# TO THE USER This new revised edition of Solid Waste Management; Available Information Materials is the first edition to be typeset by computer, and you will note various typographical errors. In order not to delay publication, they will be corrected in the March 1975 edition. U.S. Environmental Protection Agency An environmental protection publication (SW-58.22) in the solid waste management series.

# foreword

The importance of collecting and making available the information pertaining to solid-waste-related research, demonstration projects, and other activities was emphasized by the specific authorization contained in Section 204(b) of the Solid Waste Disposal Act, Public Law 89–272. The present booklet lists publications and other available educational materials that have been collected or published by the U.S. Environmental Protection Agency in response to this directive.

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## SOLID WASTE MANAGEMENT

### Available Information Materials

The solid waste management information materials available from the U.S. Environmental Protection Agency (EPA) are from various sources. There are EPA publications and other materials reporting on results of the research, development, and demonstrations in progress, which are authorized by the Solid Waste Disposal Act of 1965, as amended by the Resource Recovery Act of 1970. This far-reaching Federal program of grants and contracts has generated solid-waste-related projects in many fields. The reports from the grantees and contractors are being published by EPA as soon as available. Presentations and policy statements by key personnel and results of technical investigations conducted by EPA staff are printed by EPA, or submitted to professional journals so that the reports will reach the most appropriate audience. In the latter case, reprints are frequently purchased and distributed by EPA. Conference proceedings, findings of various commissions and study groups, and other collateral literature are also made available as supplies permit. Certain of the items have been grouped in various combinations in special information kits.

In addition to the almost 400 titles that are available from EPA or the Superintendent of Documents, approximately 150 EPA reports on solid waste management are available for purchase from the Department of Commerce National Technical Information Service (NTIS). These reports on grant and contract activities are issued through NTIS to make the data quickly available to the technical community.

In the present edition of this publication, we would like to call to your attention the author and subject indexes, since this is the first time that the Office of Solid Waste Management Programs (OSWMP) has been able to offer these aids to users of this catalog. The subject index was prepared by Miss Julie Larsen, Biospherics, Inc., under contract no. 68–01–2600.

Please note also that the order numbers at the left margin indicate active publications still available, which may be ordered by using one of the order forms at the end of this volume—these order forms may be photocopied for your convenience.

In gathering and publishing this information on solid waste management, EPA hopes to assist those engaged in the task of finding ways to manage the Nation's burden of solid wastes while at the same time contributing to efforts for resource and energy conservation and land protection. The Agency hopes, too, that by indicating the breadth of the solid waste management field, additional people may be attracted—as investigators, as engineers, as managers—wherever their talents fit. And, most important, we hope that the American citizen will see in the publications and other materials available here evidence of progress made and of the need for highest-priority effort in response to the solid-waste-related legislation enacted by the Congress.

# oswmp publications

### OSWMP Order Nos.\*

- 1. Abstracts; selected patents on refuse handling facilities for buildings. J. A. Connolly, ed. Public Health Service Publication No. 1793. Washington, U.S. Government Printing Office, 1968. [320 p.]
- 2. Applying technology to unmet needs; report on the solid waste problem. Technology and the American economy; report of the Commission. National Commission on Technology, Automation, and Economic Progress. Appendix v.5. Washington, U.S. Government Printing Office, 1966. 12 p.
- 8. Composting developments in the United States. J. S. Wiley and O. W. Kochtitzky. *Compost Science*, 6(2):5-9, Summer 1965. [Reprinted, Washington, U.S. Government Printing Office, 1968.] 5 p.
- 9. Concept and design of the joint U.S. Public Health Service-Tennessee Valley Authority Composting Project, Johnson City, Tennessee. J. S. Wiley, F. E. Gartrell, and H. G. Smith. [Cincinnati], U.S. Department of Health, Education, and Welfare, 1968. 14 p.
- 11. Development of construction and use criteria for sanitary landfills; an interim report. County of Los Angeles, Department of County Engineer and Engineering-Science, Inc. Cincinnati, U.S. Department of Health, Education, and Welfare, 1969. [267 p.]
- 14. Evaluation of the Melt-Zit high-temperature incinerator; operation test report, August 1968. E. R. Kaiser. Cincinnati, U.S. Department of Health, Education, and Welfare, 1969. [ll6 p.]
- 15. Experimental composting research and development; joint U.S. Public Health Service—Tennessee Valley Authority Composting Project, Johnson City, Tenn. Washington, U.S. Government Printing Office, 1968. Flyer. 6 p.
- 21. International Research Group on Refuse Disposal (IRGRD); information bulletin numbers 1–12, November 1956 to September 1961. J. S. Wiley, ed. Washington, U.S. Government Printing Office, 1969. 308 p.
- International Research Group on Refuse Disposal (IRGRD); information bulletin numbers 13-20, December 1961 to May 1964. J. S. Wiley, ed. Washington, U.S. Government Printing Office, 1969.
   274 p.
- 26. The national solid wastes survey; an interim report. R. J. Black, A. J. Muhich, A. J. Klee, H. L. Hickman, Jr., and R. D. Vaughan. [Cincinnati], U.S. Department of Health, Education, and Welfare, [1968]. 53 p.
- 28. Preliminary data analysis; 1968 national survey of community solid waste practices. A. J. Muhich, A. J. Klee, and P. W. Britton. Public Health Service Publication No. 1867. Washington, U.S. Government Printing Office, 1968. 483 p.
- 30. Proceedings; the Surgeon General's Conference on Solid Waste Management for Metropolitan Washington, July 19–20, 1967. L. Weaver, ed. Public Health Service Publication No. 1729. Washington, U.S. Government Printing Office. 194 p.
- 33. Quad-City solid wastes project; an interim report, June 1, 1966 to May 31, 1967. Cincinnati, U.S. Department of Health, Education, and Welfare, 1968. [181 p.]

<sup>\*</sup> See order form for OSWMP publications in back of catalog.

- 35. Refuse collection and disposal; an annotated bibliography, 1954–1955. L. Weaver. Public Health Service Publication No. 91. Washington, U.S. Government Printing Office, 1956. 32 p. Suppl. B.
- 36. Refuse collection and disposal; an annotated bibliography, 1956–1957. E. R. Williams. Public Health Service Publication No. 91. Washington, U.S. Government Printing Office, 1958. 48 p. Suppl. C.
- Refuse collection and disposal; an annotated bibliography, 1958–1959. E. R. Williams and R. J. Black.
   Public Health Service Publication No. 91. Washington, U.S. Government Printing Office, 1961.
   73 p. Suppl. D.
- 38. Refuse collection and disposal; an annotated bibliography, 1960–1961. R. J. Black and P. L. Davis. Public Health Service Publication No. 91. Washington, U.S. Government Printing Office, 1963. Revised 1966. 69 p. Suppl. E.
- Refuse collection and disposal; an annotated bibliography, 1962–1963. R. J. Black, J. B. Wheeler, and W. G. Henderson. Public Health Service Publication No. 91. Washington, U.S. Government Printing Office, 1966. 134 p. Suppl. F.
- 40. Refuse and litter control in recreation areas. L. Weaver. *Public Works*, 98(4):126–128, 160, Apr. 1967. Reprinted, Washington, U.S. Government Printing Office, 1967. 4 p.
- 44. The role of packaging in solid waste management, 1966 to 1976. A. Darnay and W. E. Franklin. Public Health Service Publication No. 1855. Washington, U.S. Government Printing Office, 1969. 205 p.
- 45. Safe and sanitary home refuse storage. [R. J. Black.] Public Health Service Publication No. 183. Washington, U.S. Government Printing Office. Revised 1962, 1968. Flyer. 6 p.
- 47. Sanitary landfill facts. T. J. Sorg and H. L. Hickman, Jr. 2d ed. Public Health Service Publication No. 1792. Washington, U.S. Government Printing Office, 1970. 30 p.
- 48. Solid waste/disease relationships; a literature survey. T. G. Hanks. Public Health Service Publication No. 999-UIH-6. Washington, U.S. Government Printing Office, 1967. 179 p.
- Solid waste handling in metropolitan areas. [W. E. Gilbertson, R. J. Black, L. E. Crane, and P. L. Davis.] Public Health Service Publication No. 1554. Washington, U.S. Government Printing Office, 1966. 41 p.
- 55. Solid waste management/composting; European activity and American potential. S. A. Hart. Public Health Service Publication No. 1826. Washington, U.S. Government Printing Office, 1968. 40 p.
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- 77. Solid waste—a natural resource? R. P. Lonergan and E. M. Herson. *In* Man and the quality of his environment; Western Resources Papers, 1967. J. E. Flack and M. C. Shipley, *eds.* [Boulder], University of Colorado Press, 1968. p. 107–120.
- Solid wastes handling. R. J. Black. In Environmental aspects of the hospital. v.2. Supportive departments. Public Health Service Publication No. 930-C-16. Washington, U.S. Government Printing Office, 1967. p. 20-27. Reprinted as Solid wastes handling [in hospitals]. Cincinnati, U.S. Department of Health, Education, and Welfare, 1968. 9 p.
- 82. Utilization and disposal of poultry manure. J. S. Wiley. Cincinnati, U.S. Department of Health, Education, and Welfare, 1969. 14 p.
- 85. Summaries of solid waste management contracts, July 1, 1965— June 30, 1970. H. H. Connolly, comp. Public Health Service Publication No. 1897. Washington, U.S. Government Printing Office, 1969. 46 p.

- 86. An accounting system for sanitary landfill operations. E. R. Zausner. Public Health Service Publication No. 2007. Washington, U.S. Government Printing Office, 1969. 18 p.
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- 91. Conversion of organic solid wastes into yeast; an economic evaluation. F. H. Meller. Public Health Service Publication No. 1909. Washington, U.S. Government Printing Office, 1969. 173 p.
- 93. Observations of continental European solid waste management practices. M. E. Jensen. Public Health Service Publication No. 1880. Washington, U.S. Government Printing Office, 1969. 46 p.
- 94. Master plan for solid waste collection and disposal; tri-parish metropolitan area of New Orleans; final report on a solid waste management demonstration. Albert Switzer & Associates, Inc., and Greenleaf/Telesca. Public Health Service Publication No. 1932. Washington, U.S. Government Printing Office, 1969. [359 p.]
- 95. Dismantling railroad freight cars; a study of improved methods with application to other demolition problems. D. M. Butler and W. M. Graham. Public Health Service Publication No. 1850. Washington, U.S. Government Printing Office, 1969. 32 p.
- 101. Let DARE make your solid-waste decisions. A. J. Klee. American City, 85(2):100-103, Feb. 1970.
- 104. Industrial and agricultural solid wastes and problems involved in their disposal. T. J. Sorg. *Public Health News* (New Jersey), 51(3):67-69, Mar. 1970.
- 105. Kenilworth model sanitary landfill; interim report on a solid waste demonstration project, December 1967—January 1969. Department of Sanitary Engineering, District of Columbia. Washington, U.S. Government Printing Office, 1969. [127 p.]
- 106. Automobile scrapping processes and needs for Maryland; a final report on a solid waste demonstration. Management Technology, Inc. Public Health Service Publication No. 2027. Washington, U.S. Government Printing Office, 1970. 64 p.
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- 117. Proposals for a refuse disposal system in Oakland County, Michigan; final report on a solid waste demonstration grant project. Jones & Henry Engineers Limited. Public Health Service Publication No. 1960. Washington, U.S. Government Printing Office, 1970. 146 p.
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- PB-234 715 Franklin, Ohio's solid waste disposal and fiber recovery demonstration plant; final report. v.1. A. M. Kinney, Inc. U.S. Environmental Protection Agency, 1974. [63 p.]
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- PB-234 944 Study of solid waste management practices in the pulp and paper industry. Gorham International, Inc. U.S. Environmental Protection Agency, 1974. [185 p.]
- PB-234 945 Middletown's municipal solid waste management system; a case study. Applied Management Sciences. U.S. Environmental Protection Agency, 1974. [109 p.]

#### exhibits

For information on exhibits, write to Solid Waste Information Materials Control Section, U.S. Environmental Protection Agency, Cincinnati, Ohio 45268. Please include your phone number and address.

- Help preserve the good earth. Permanent exhibit 6 ft. x 6 ft. Shipping wt., 1,100 lbs. U.S. Environmental Protection Agency, 1970. Rev. 1972.
- Protect the good earth. Portable exhibit, 3 panels, 2 ft. x 2-1/2 ft. Carrying wt., 35 lbs. U.S. Environmental Protection Agency, 1972.
- Solid waste—a valuable resource. Permanent exhibit, 6 panels, 3–1/3 ft. x 5 ft. Shipping wt., 500 lbs. U.S. Environmental Protection Agency, 1973.

### films

The following solid waste management films may be purchased or borrowed from the National Audiovisual Center, General Services Administration, Washington, D.C. 20409.

- A day at the dump. 15 minutes, 16-mm motion picture, sound, color, 1968. The story of how open dumping and burning came to an end at the Kenilworth dump in Washington, D.C., and how the former cinder patch is becoming a garden spot. Borrow only.
- The green box. 17 minutes, 16-mm motion picture, sound, color, 1970. The residents of Chilton County, Alabama, switched from rat-infested open dumps to a trash collection system utilizing green boxes that were emptied every second day. Portrays an approach specifically tailored for rural areas. Cleared for TV. Borrow only.
- In the bag. 19 minutes, 16-mm motion picture, sound, color, 1969. Describes the advantages of the brown paper sack in refuse storage, collection, and disposal. Shows that the brown bag is versatile for many settings and easily handled by householders, collectors, and landfill or incinerator operators. Cleared for TV. Borrow only.
- Mt. Trashmore. 3 minutes, 16-mm motion picture, TV news feature, sound, color, 1972. A novel approach to the solid waste disposal problem. Virginia Beach decided to combine its trash with that from neighboring communities—and to build a large sanitary landfill on top of the ground. When finished, Mt. Trashmore will become a full-scale municipal recreation area providing boating, swimming, fishing, a 10,000-seat amphitheater, and even an official soapbox-derby coasting ramp. Borrow only.
- Portrait of the san-man. 16 minutes, 16-mm motion picture, sound, 1974. A low-budget cinema verite film based on actual interviews with the men who collect New York City's tons of garbage every day. Cleared for TV. Borrow only.
- The realities of recycling. 38 minutes, 16-mm motion picture, sound, color, 1971. Examines technology of recycling glass, aluminum, and steel containers; paper; and old car hulks. Cleared for TV. Purchase: National Audiovisual Center, \$154.50. Borrow: National Audiovisual Center.
- Recycling. 21 minutes, 16-mm motion picture, sound, color, 1971. Shows some emerging techniques on reuse, recovery, and recycling of resources—how materials now ending up as municipal solid waste may be used to extend the supply of natural resources. Cleared for TV. Purchase: National Audiovisual Center, \$89.75. Borrow: National Audiovisual Center.

Sanitary landfill: one part earth to four parts refuse. 24 minutes, 16-mm motion picture, sound, color, 1969. Describes the well-planned landfill—from site selection to use of the completed fill. Designed with technical audiences in mind; includes consideration of equipment types, climate, operating procedures, and topographical and soil conditions. Cleared for TV. Purchase: National Audiovisual Center, \$97.75. Borrow: National Audiovisual Center.

The stuff we throw away. 22 minutes, 16-mm motion picture, sound, color, 1970. Describes the enormous burdens that communities face in collecting and disposing of solid wastes. Covers in less detail the information included in "What's new in solid waste management." Cleared for TV. Purchase: National Audiovisual Center, \$93.75. Borrow: National Audiovisual Center.

The third pollution. 23 minutes, 16-mm motion picture, sound, color, 1966. Describes 1966 solid waste disposal and the attendant problems of air and water pollution. Helped call attention to the solid waste problem in the early days of the environmental movement. Borrow only.

The village green. 15 minutes, 16-mm motion picture, sound, color, 1974. Documents a successful and self-sustaining recycling center in New York City sponsored by the Environmental Action Coalition. Cleared for TV. Borrow only.

What's new in solid waste management? 37 minutes, 16-mm motion picture, sound, color, 1970. A look at solid waste management 5 years after initiation of the Federal research and demonstration program. Describes new techniques available for controlling and processing solid waste—equipment, management techniques, alternative systems, etc. Cleared for TV. Purchase: National Audiovisual Center, \$146.75. Borrow: National Audiovisual Center.

## miscellaneous

#### Information kits

(Request by title of kit from Solid Waste Information Materials Control Section, U.S. Environmental Protection Agency, Cincinnati, Ohio 45268.)

Concerned citizens. [Contains information on solid waste management and citizen participation, resource recovery, solid waste management programs, studies, and information sources.]

Resource recovery—I. [General information on recycling and resource recovery.]

Resource recovery—II. [Highly technical information on recycling and resource recovery.]

Students information. [General information on solid waste management.]

- 351. Sanitary landfill synopsizer. J. E. Delaney and J. M. Sweeten. [Cincinnati], U.S. Environmental Protection Agency, 1972. [Pocket-size calculator and instructions.]
- 393. State solid waste management agencies. [Cincinnati], U.S. Environmental Protection Agency, Mar. 1974. 6 p. [List.]

## Training programs

Operation responsible: safe refuse collection. 20 minutes, 16-mm motion picture, sound, color, 1972. [Part of training program that includes an instructor's manual with 24 color slides, 35-mm and a descriptive flyer.] Available only from National Audiovisual Center, General Services Administration, Washington, D.C. 20409.

Sanitary landfill—you're the operator. 22 minutes, 16-mm motion picture, sound, color, 1972. [Part of a training program that includes instructor's and trainee's manuals, 216 color slides, 35-mm; and a descriptive flyer.] Available from National Audiovisual Center, General Services Administration, Washington, D.C. 20409. A few sets of this training program are available on a free loan basis to government agencies from Solid Waste Information Materials Control Section, U.S. Environmental Protection Agency, Cincinnati, Ohio 45268.

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