

**RESOURCE CONSERVATION AND RECOVERY**

**Current Reports**

**U.S. ENVIRONMENTAL PROTECTION AGENCY**

**September 1978**

**(Inside pages are recyclable)**

For sale by the Superintendent of Documents  
U.S. Government Printing Office, Washington DC 20402

## CONTENTS

	<u>Page</u>
INTRODUCTION	1
OVERVIEW	1
General Information	1
Planning for Resource Recovery	5
Resource Conservation and Recovery Act	6
RESOURCE CONSERVATION	8
General Information	8
Packaging	9
Beverage Containers	10
Resource Conservation Committee	11
TECHNOLOGY AND MARKETS	13
General Information	13
Source Separation and Paper Recycling	14
Materials Recovery	18
Energy Recovery	20
Codisposal of Solid Waste and Sewage Sludge	23
ORDER BLANK	Inside back cover

## INTRODUCTION

Listed in this bibliography is a compilation of published and unpublished resource conservation and recovery information. Most of it has recently been developed by the U.S. Environmental Protection Agency. Unless otherwise indicated, items may be obtained by completing the order blank on the inside back cover and mailing it to the address shown. The order number is in the first column of the listing.

Current Reports is published by the Office of Solid Waste, Resource Recovery Division. Please send any comments or recommendations to Jane Stieber, Environmental Protection Agency (WH-563), Washington, DC 20460.

For technical assistance or other information, please contact the nearest EPA Regional Office. An EPA regional map, with addresses of solid waste management representatives, is provided on the inside front cover.

## OVERVIEW

### General Information

- 353 RESOURCE RECOVERY AND SOURCE REDUCTION: SECOND REPORT TO CONGRESS.  
Environmental Protection Agency, March 1974. 112 p.  
Presents findings from EPA studies about resource recovery and source reduction.
- 448 RESOURCE RECOVERY AND WASTE REDUCTION: THIRD REPORT TO CONGRESS.  
Environmental Protection Agency, 1975. 96 p.  
Examines policy issues, reviews technological progress, summarizes city and State activities, and reviews EPA studies and investigations for 1974.

- 600 RESOURCE RECOVERY AND WASTE REDUCTION: FOURTH REPORT TO CONGRESS. Environmental Protection Agency, 1977. 142 p.  
Examines policy issues, updates solid waste generation and recycle estimates, reviews technological developments, and summarizes city, State and Federal Government activities in R&D, Guidelines and implementation of resource recovery and waste reduction programs during 1975-76.
- 344 RECYCLING AND THE CONSUMER. Environmental Protection Agency, 1974. 12 p.  
An introduction to recycling and source reduction and what the individual can do to promote them.
- 378 ENERGY CONSERVATION THROUGH IMPROVED SOLID WASTE MANAGEMENT. Lowe, R.A., Appendices by M. Loube and F. A. Smith, April 1974. 39 p. ERRATA SHEET. 1976. 4 p.  
Summarizes the potential energy conservation benefits from source reduction, energy recovery, materials recycling, and improved solid waste collection. Summarizes energy recovery technologies and energy recovery activities in U.S. communities.
- 390 DECISION-MAKER'S GUIDE IN SOLID WASTE MANAGEMENT. Environmental Protection Agency, 1976. 158 p.  
A series of two- to five-page discussions of approximately thirty solid waste management topics including resource recovery, separate collection, and waste reduction.
- 393 STATE SOLID WASTE MANAGEMENT AGENCIES. July 1977. 7 p.  
List of above, updated periodically.
- 403 RECYCLING AND THE CONSUMER. Environmental Protection Agency, 1974. 2 p.  
Two-sided sheet with information about recycling as well as illustrations of five recyclable materials which can be made into a mobile.
- 432 NATIONWIDE SURVEY OF WASTE REDUCTION AND RESOURCE RECOVERY ACTIVITIES. McEwen, L.B. 1977. 78 p.  
A summary of progress in resource recovery projects throughout the United States. Updated periodically.
- 443 COMPARATIVE ESTIMATES OF POST-CONSUMER SOLID WASTE. Smith, Frank A. 1975. 18 p.  
Presents a comparison of the quantity and composition of municipal solid waste.

- 445 A SOLID WASTE ESTIMATION PROCEDURE: MATERIAL FLOWS APPROACH.  
Smith, Fred L. 1975. 56 p.  
Presents estimates of household and commercial solid waste generation.
- 482 RESOURCE RECOVERY PLANT COST ESTIMATES: A COMPARATIVE EVALUATION OF FOUR RECENT DRY-SHREDDING DESIGNS. Smith, Frank A.  
October 1975. 20 p.  
A standardized evaluation of cost estimates for four dry-shredding facilities.
- 498 THE QUANTITY AND COMPOSITION OF POST-CONSUMER SOLID WASTE: MATERIAL FLOW ESTIMATES FOR 1973 and BASELINE FUTURE PROJECTIONS.  
Smith, Frank A.. Reprinted from Waste Age, March 1976. 5 p.  
Presents EPA's estimates of household and commercial waste generation and recycling for 1973, both in terms of material composition and product sources.
- 501 RESOURCE RECOVERY: THE INDUSTRY AND ITS CAPACITY. Hopper, R.  
1976. 92 p.  
A survey of the resource recovery industry and its ability to meet the rising demand for resource recovery processing equipment. (See also #539 below)
- 505 WASTE REDUCTION AND RESOURCE RECOVERY: THERE IS ROOM FOR BOTH.  
Humber, N. Reprinted from Waste Age, November 1975.  
Defines terms and explains how resource recovery, source separation and waste reduction can work together.
- 539 THE RESOURCE RECOVERY INDUSTRY. Hopper, R. and C. Ganotis.  
Reprinted from Environmental Science & Technology, May 1976.  
Presents a profile of the resource recovery industry and its projections for the future. This journal article is a summary of #501 above.
- 560 EPA AND MUNICIPAL RESOURCE RECOVERY. Meyers, S. Reprinted from NCRR Bulletin, Summer 1976.  
Review of EPA's role in relation to municipal resource recovery.
- 570 A REVIEW OF ENERGY RECOVERY TECHNOLOGIES. Levy, S.J. and S.A. Lingle  
Reprinted from Waste Age, November 1976.  
Current status of development of energy recovery from solid waste.
- 601 RECYCLING. Chapter 8 from Government and the Nation's Resources: Report of the National Commission on Supplies and Shortages.  
December 1976. 155-172 p.  
The findings of the NCSS on recycling policies.
- 620 RESOURCE RECOVERY IMPLEMENTATIONS, A STATUS REPORT. Levy, S.J. and L.B. McEwen. Reprinted from Resource Recovery and Energy Review, January -- February 1977.  
A summary of the implementation of resource recovery by communities in the U.S.

- 632 THE IMPACT OF SOURCE SEPARATION AND WASTE REDUCTION ON THE ECONOMICS OF RESOURCE RECOVERY FACILITIES. Skinner, J.H. Reprint from Resource Recovery & Energy Review, March/April 1977. 5 p.  
Discusses how the economics of resource recovery facilities would be affected by the source separation of recyclable materials and by waste reduction activities.
- 690 RESOURCE RECOVERY; RECOVERING WASTES. U.S. Environmental Protection Agency. Reprinted from EPA Journal, February 1978. 2 p.  
Brief status report on eight EPA demonstration projects in the field of resource recovery from municipal solid waste.
- 697 CITIZENS IN ACTION; SOLID WASTE PROJECT. Environmental Action Foundation. Garbage Guide, No. 1, 1978. 4 p.  
Discusses citizen involvement in solid waste matters and the Public Participation Guidelines.
- BASLINE FORECASTS OF RESOURCE RECOVERY. Midwest Research Institute. March 1975. 376 p. Distributed by the National Technical Information Service, U.S. Department of Commerce, Springfield, Va. 22151. Publication No. PB-245 924.  
Forecasts to 1990 the quantity of waste generation, the recovery of resources and specific materials from municipal solid waste, the total recoverable quantity of seven specific materials and sources of generation for residential, commercial, and industrial wastes.
- GOVERNMENT AND THE NATION'S RESOURCES, REPORT OF THE NATIONAL COMMISSION ON SUPPLIES AND SHORTAGES. December 1976.  
Distributed by the Superintendent of Documents, U.S. Government Printing Office, Washington, D.C. 20402. No. 052-003-00271-0. \$2.20/copy.  
The findings of the NCSS on the range of materials policy issues particularly those relating to shortages and scarcities.
- ENERGY IN SOLID WASTE: A CITIZEN'S GUIDE TO SAVING. Citizens Advisory Committee on Environmental Quality, 1975. 38 p.  
Distributed by the Superintendent of Documents, U.S. Government Printing Office, Washington, D.C. 20402. No. 4000-00319. \$1.25/copy, 25% discount on orders of 100 or more.  
Discusses ways citizens can reduce waste generation and facilitate the recovery, recycling and reuse of resources in solid waste.

## Planning for Resource Recovery

RESOURCE RECOVERY PLANT IMPLEMENTATION: GUIDES FOR MUNICIPAL OFFICIALS.  
A series of 8 publications covering all aspects of the planning and procurement process for resource recovery. They are:

- 533 PLANNING AND OVERVIEW. Lowe, R.A. and A. Shilepsky. 1976. 34 p.  
Discusses three major steps--study, selection, and procurement--leading to implementation of resource recovery with emphasis on significant issues and problems.
  - 550 TECHNOLOGIES. Levy, S.J. and H.G. Rigo. 1976. 81 p.  
A review of various technologies available to recover energy and resources from municipal solid waste.
  - 496 RISKS AND CONTRACTS. Randol, R. 1976. 52 p.  
Examines risks in resource recovery and possible risk allocations. Case studies of contractual arrangements in Milwaukee, Nashville, and Bridgeport.
  - 499 MARKETS. Garbe, Y. and S.J. Levy. 1976. 47 p.  
Discusses the markets for energy and material products recovered from municipal solid waste.
  - 493 ACCOUNTING FORMAT. Sussman, D. 1976. 17 p.  
Presents a standardized accounting procedure for resource recovery facilities.
  - 471 FINANCING. Randol, R. 1975. 20 p.  
Discusses alternatives for financing resource recovery facilities.
  - 495 PROCUREMENT. Shilepsky, A. 1976. 66 p.  
Discusses the process of preparing a Request for Proposal and evaluating the responses.
  - 470 FURTHER ASSISTANCE. Hawkins, D. 1975. 29 p.  
Provides sources for information on resource recovery.
- 466 RESOURCE RECOVERY: CAREFUL SYSTEM PLANNING AND MATERIALS MARKET ANALYSIS ESSENTIAL. Humber, N. In Solid Waste Management Today . . . Bringing About Municipal Change. Reprinted from Nation's Cities, April 1975.  
Discusses major considerations which must be studied before undertaking resource recovery--technology, markets, procurement, intergovernmental relations, financing.



- 505 WASTE REDUCTION AND RESOURCE RECOVERY: THERE IS ROOM FOR BOTH.  
Humber, N. Reprinted from Waste Age, November 1975.  
(See Overview -- General Information for description.)
- 552 RESOURCE RECOVERY RFP AND CONTRACT SUMMARIES. Hawkins, D. 1976.  
54 p.  
Summaries of 12 requests for proposals (RFP's), 5 contracts and  
a letter of intent issued by cities, counties and States for  
resource recovery projects.
- 567 RESOURCE RECOVERY PLANNING: AN OVERVIEW OF THE IMPLEMENTATION  
PROCESS. National League of Cities. 1976. 21 p.  
A brief discussion of issues to assist local officials  
in preparing and mobilizing the investigation of local  
resource recovery opportunities. This is a short version  
of #533 above.
- 604 CAREFUL MANAGEMENT: KEY TO RESOURCE RECOVERY. Lowe, R. A. and  
E. Sano. Reprint from State and County Administrator,  
September -- October 1976, 2 p.  
Discusses advance planning and strong supervision for  
municipal-scale resource recovery projects.
- 606 LEGAL: HOW COMMUNITIES CAN OVERCOME (LEGAL) OBSTACLES TO RESOURCE  
RECOVERY PROJECTS. Hopper, R. Reprint from Solid Waste  
Management-Refuse Removal Journal, January 1977. 2 p.  
An article describing legal prerequisites for various procurement  
strategies.

#### Resource Conservation and Recovery Act

- 171 RESOURCE CONSERVATION AND RECOVERY ACT OF 1976, PUBLIC LAW 94-580,  
94th Congress, S. 2150 -- October 21, 1976. 47 p.  
Act provides technical and financial assistance for the  
development of management plans and facilities for the  
recovery of energy and other resources from discarded materials.  
The Act also provides for the safe disposal of discarded  
materials, and to regulate the management of hazardous waste.
- 563 THE RESOURCE CONSERVATION AND RECOVERY ACT OF 1976; A brief look  
at Public Law 94-580. 1977. 3 p.  
A summary of RCRA, #171 above, in pamphlet form.
- 564 THE RESOURCE CONSERVATION AND RECOVERY ACT OF 1976; A summary of  
Public Law 94-580. 1976. 8 p.  
Summary of RCRA, #171 above.

- 566 EVERYBODY'S BUSINESS -- THE RESOURCE CONSERVATION AND RECOVERY ACT OF 1976. Meyers, S. Presented at 5th National Congress on Waste Management Technology and Resource and Energy Recovery, Dallas, December 1976. 13 p.  
Speech describing background and provisions of RCRA.
- 576 THE RESOURCE CONSERVATION AND RECOVERY ACT OF 1976 (PUBLIC LAW 94-580); ISSUES FOR DISCUSSION. February 1977. 10 p.  
Discusses issues of RCRA, #171 above.
- 579 RESOURCE CONSERVATION AND RECOVERY ACT OF 1976; INTENT TO DEVELOP RULEMAKING. Federal Register, 40 CFR, Ch. 1, February 17, 1977. 1 p.  
Agency contact point and advice for development of these rulemakings and reports.
- 580 THE RESOURCE CONSERVATION AND RECOVERY ACT OF 1976 (PUBLIC LAW 94-580); PROVISIONS FOR DISCUSSION. February 1977. 17 p.  
Describes provisions of RCRA for use in making presentations.
- 607 THE RCRA AND STATE GOVERNMENT. Hickman, H. L. Reprinted from Waste Age, January 1977. 2 p.  
Discusses those provisions of RCRA most directly related to developing State solid waste management programs.
- 615 IDENTIFICATION OF REGIONS AND AGENCIES FOR SOLID WASTE MANAGEMENT; INTERIM GUIDELINES. Federal Register, Title 40, Ch.1, Part 255. May 16, 1977. 5 p.  
Presents criteria and procedures to assist State and local governments in identifying regions and agencies for developing and implementing a State solid waste management plan.
- 623 THE RESOURCE CONSERVATION AND RECOVERY ACT OF 1976: HOW WILL IT IMPACT ON RESOURCE RECOVERY AND CONSERVATION? Humber, N., and S. Lingle. Reprint from Waste Age, April 1977.  
Discusses provisions and issues of RCRA.
- 637 IMPLEMENTATION OF THE RESOURCE CONSERVATION AND RECOVERY ACT OF 1976; INTERIM REGULATIONS. Federal Register, Title 40, Ch. 1, Parts 30, 35, 40, 45. October 20, 1977. 9 p.  
Amendments to above Parts of the current EPA regulations governing grants and other Federal assistance promulgated in accordance with the provisions and requirements of the Solid Waste Disposal Act, as amended by RCRA of 1976.
- 663 EPA ACTIVITIES UNDER THE RESOURCE CONSERVATION AND RECOVERY ACT OF 1976; ANNUAL REPORT TO THE PRESIDENT AND THE CONGRESS, FISCAL YEAR 1977. Office of Solid Waste, U.S. Environmental Protection Agency, 1978. 80 p.  
First annual report on EPA activities under RCRA summarizing in detail the programs for Fiscal Year 1977. Outlines solid waste problems, program objectives, legislative considerations, and plans for Fiscal Year 1978.

## RESOURCE CONSERVATION

### General Information

- SOURCE REDUCTION FACT SHEET.  
Periodic publication presenting innovative approaches to waste reduction.
- 416 RED OWL STORES. Environmental Protection Agency. 1975.  
Reuse of grocery containers.
- 447 INTERNATIONAL PAPER AND WELLS DAIRY. Environmental Protection Agency. 1975.  
Redesigned milk carton to conserve paper fiber and energy in production.
- 353 RESOURCE RECOVERY AND SOURCE REDUCTION: SECOND REPORT TO CONGRESS. Environmental Protection Agency. March 1974. 112 p.  
(See Overview for description)
- 448 RESOURCE RECOVERY AND WASTE REDUCTION: THIRD REPORT TO CONGRESS. Environmental Protection Agency. 1975. 96 p.  
(See Overview for description)
- 600 RESOURCE RECOVERY AND WASTE REDUCTION: FOURTH REPORT TO CONGRESS. Environmental Protection Agency. 1977. 142 p.  
(See Overview for description)
- 456 REDUCE. League of Women Voters Educational Fund Publication. 1975. 47 p.  
Highlights targets for waste reduction, possible approaches, expected impacts and activity by industry, legislatures, EPA, and the public.
- 460 WIN THE WAR ON WASTE. Train, Russel. Presented at the Third National Congress on Waste Management Technology and Resource Recovery, November 14, 1974. 15 p.  
Presents EPA policy on solid waste management and waste reduction. Advocates industry initiatives in reducing waste generation.
- 461 PROCEEDINGS: 1975 CONFERENCE ON WASTE REDUCTION. Environmental Protection Agency. 1975. 152 p.  
Transcripts of speeches, questions and answers on government, industry, labor and public perspectives on waste reduction, technical options for reducing product waste and beverage container legislation.

- 500 REDUCE THE INCENTIVE TO WASTE. Skinner, J.H. Presented at the 80th National Meeting, American Institute of Chemical Engineers, Boston, September 8, 1975. 9 p.  
Discusses the need for waste reduction and the Federal role in waste reduction.
- 601 RECYCLING. Chapter 8 from Government and the Nation's Resources, Report of the National Commission on Supplies and Shortages. December 1976.  
(See Overview -- General for description)
- 632 THE IMPACT OF SOURCE SEPARATION AND WASTE REDUCTION ON THE ECONOMICS OF RESOURCE RECOVERY FACILITIES, Skinner, J. H. Reprinted from Resource Recovery & Energy Review, March/April 1977. 5 p.  
(See Overview -- General Information for description)
- STOPPING WASTE BEFORE IT STARTS. Peterson, C. Reprinted from Technology Review, February 1977. 1 p. Distributed by the Resource Recovery Division (WH-563), Office of Solid Waste, U.S. Environmental Protection Agency, Washington, D.C. 20460.  
Addresses waste reduction issues.

#### Packaging

- 364 ENVIRONMENTAL PROTECTION, RESIDUAL MANAGEMENT, AND RESOURCES. Darnay, A.J. March 1974.  
Information on packaging waste reduction.
- 437 AN EVALUATION OF THE EFFECTIVENESS AND COSTS OF REGULATORY AND FISCAL POLICY INSTRUMENTS ON PRODUCT PACKAGING. Bingham, J.H. et al. 1974, 301 p.  
Evaluates regulations which would require use of recycled materials in packaging and several types of taxes on packaging.
- 442 PACKAGING SOURCE REDUCTION: CAN INDUSTRY AND GOVERNMENT COOPERATE? Claussen, E.L. Presented at the Packaging Institute Annual Forum, October 1974. 17 p.  
Discusses pros and cons of reducing packaging waste.
- AN EVALUATION OF THE IMPACT OF DISCRIMINATORY TAXATION ON THE USE OF PRIMARY AND SECONDARY RAW MATERIALS. Booz-Allen and Hamilton, Inc. Distributed by the National Technical Information Service, U.S. Department of Commerce, Springfield, Va. 22151. Publication No. PB-240 988.  
Describes and quantifies the value of current Federal tax policy as it relates to competition between virgin and secondary materials.

## Beverage Containers

- 405 RESOURCE AND ENVIRONMENTAL PROFILE ANALYSIS OF NINE BEVERAGE CONTAINER ALTERNATIVES. U.S. Environmental Protection Agency, 1974. 178 p.  
Analyzes seven different impact categories for each manufacturing and transportation step in the life of a beverage container.
- 459 STATEMENT BEFORE SUBCOMMITTEE ON THE ENVIRONMENT, SENATE COMMITTEE ON COMMERCE. Quarles, J., Jr. May 7, 1974. 14 p.  
Presents EPA position on beverage container legislation.
- 462 QUESTIONS AND ANSWERS ON RETURNABLE BEVERAGE CONTAINERS FOR BEER AND SOFT DRINKS. Environmental Protection Agency, June 1975. 9 p.  
Gives answers to frequently asked questions on deposit legislation and its impacts.
- 463 SOLID WASTE MANAGEMENT-GUIDELINES FOR BEVERAGE CONTAINERS. Federal Register, September 20, 1976. (40 CFR Part 244).  
Guidelines for implementing a deposit system on beverage containers sold on Federal facilities.
- 487 BEVERAGE CONTAINERS: THE VERMONT EXPERIENCE. Loube, M. 1975. 16 p.  
Analyzes the impact of the Vermont beverage container legislation.
- 531 PRICE SURVEY OF BEVERAGES IN REFILLABLE AND NONREFILLABLE CONTAINERS. Peterson, C. October 1976. 33 p.  
Summary of price comparison survey of beverages in refillable and nonrefillable containers.
- 532a YOSEMITE TEST OF BEVERAGE CONTAINER NEWS RELEASE. July 1976. 1 p.  
News release stating progress on test implementation of beverage guidelines on a Federal facility.
- 572 UNTRASHING YOSEMITE PARK. Pierce, C. Reprinted from EPA Journal, October 1976.  
Review of the Yosemite National Park's experience with returnable beverage containers.
- 690 RESOURCE RECOVERY; REFUND AT FT. KNOX. U.S. Environmental Protection Agency. Reprinted from EPA Journal, February 1978. 1 p.  
Discusses beverage container recycling at Ft. Knox and 9 other Defense Department bases.

TESTIMONY BEFORE THE MARYLAND GOVERNOR'S BEVERAGE TASK FORCE.  
Butler, H.P. April 27, 1977. Distributed by the Resource  
Recovery Division (WH-563), Office of Solid Waste, U.S.  
Environmental Protection Agency, Washington, D.C. 20460.  
Testimony presents data on returnable beverage container  
systems.

YOSEMITE NATIONAL PARK BEVERAGE CONTAINER DEPOSIT EXPERIMENT;  
FINAL REPORT. Research Triangle Institute. 1977. 43 p.  
Distributed by the National Technical Information Service,  
U.S. Department of Commerce, Springfield, Va. 22151.  
Publication No. PB-270 266.  
Reviews and analyzes the operational and economic  
aspects of a returnable beverage container system at a  
Federal facility.

#### Resource Conservation Committee

- 618 IMPLEMENTATION PLAN FOR THE RESOURCE CONSERVATION COMMITTEE.  
Resource Conservation Committee. April 1977. 89 p.  
First report to the President and Congress mandated by the  
Resource Conservation and Recovery Act of 1976 (see #171,  
Overview -- Resource Conservation and Recovery Act) presenting  
the framework for the Committee's activities for 18 months.
- 654 TRANSCRIPT; PUBLIC MEETING OF THE RESOURCE CONSERVATION COMMITTEE ON  
BEVERAGE CONTAINER DEPOSIT LEGISLATION, WASHINGTON, D.C.,  
OCTOBER 19, 1977. U.S. Environmental Protection Agency, 1978.  
Transcript of proceedings of the above meeting including written  
statements of speakers and additional statements for the Record.
- 662 TRANSCRIPT; PUBLIC MEETING OF THE RESOURCE CONSERVATION COMMITTEE ON  
SOLID WASTE PRODUCT CHARGE ISSUE, WASHINGTON, D.C.,  
NOVEMBER 17, 1977. U.S. Environmental Protection Agency, 1978.  
430 p.  
Transcript of proceedings of the above meeting. Written statements  
of speakers are included.
- 664 TRANSCRIPT; PUBLIC MEETING OF THE RESOURCE CONSERVATION COMMITTEE ON  
SOLID WASTE PRODUCT CHARGE ISSUE, PORTLAND, OREGON,  
NOVEMBER 21, 1978. 290 p.  
Transcript of proceedings of the above meeting. Written statements  
of speakers are included.
- 672 TRANSCRIPT; PUBLIC MEETING OF THE RESOURCE CONSERVATION COMMITTEE  
ON SOLID WASTE PRODUCT CHARGE ISSUE, CINCINNATI, OHIO,  
NOVEMBER 18, 1977. U.S. Environmental Protection Agency,  
1978. 53 p.  
Transcript of proceedings of the above meeting including  
written statements of speakers.

COMMITTEE FINDINGS AND STAFF PAPERS ON NATIONAL BEVERAGE CONTAINER DEPOSITS OF THE RESOURCE CONSERVATION COMMITTEE. Resource Conservation Committee, January 1978. 105 p. Distributed by the Resource Recovery Division (WH-563), Office of Solid Waste, U.S. Environmental Protection Agency, Washington, D.C. 20460. Second report to the President and Congress mandated by RCRA describes the Committees activities for 6 months and presents the committee's first substantive findings and recommendations.

STATEMENT OF HONORABLE BARBARA BLUM, DEPUTY ADMINISTRATOR, ENVIRONMENTAL PROTECTION AGENCY, BEFORE THE CONSUMER SUBCOMMITTEE OF THE SENATE COMMITTEE ON COMMERCE, SCIENCE, AND TRANSPORTATION. January 25, 1978. Distributed by Resource Recovery Division (WH-563), Office of Solid Waste, U.S. Environmental Protection Agency, Washington, D.C. 20460. Testimony on National beverage container deposit legislation. Contains Resource Conservation Committee findings on beverage container deposits.

STATUS REPORT ON SOLID WASTE DISPOSAL CHARGE ANALYSIS. Resource Conservation Committee, July 1978. 160 p. Distributed by the Resource Recovery Division (WH-563), Office of Solid Waste, U.S. Environmental Protection Agency, Washington, D.C. 20460. Third report to the President and Congress mandated by RCRA, describes Committee's activities since second report. Contains preliminary staff papers on solid waste disposal charges and a discussion of the status of pending Committee activities.

## TECHNOLOGY AND MARKETS

### General Information

- 378 ENERGY CONSERVATION THROUGH IMPROVED SOLID WASTE MANAGEMENT.  
Lowe, R.A. Appendices by M. Loube and F.A. Smith.  
April 1974. 39 p. ERRATA SHEET. 1976. 4 p.  
(See Overview -- General Information for description)
- 438 RECYCLED MATERIALS MARKETS: FEBRUARY 1975 -- A SUMMARY.  
Lingle, S.A. April 1975. 8 p.  
Provides a brief review of the market demand for materials recovered from municipal solid waste. Reviews market conditions during 1973-1974 period and describes factors underlying longer term trends in recycled materials markets.
- 458 ANAEROBIC DIGESTION OF SOLID WASTE AND SEWAGE SLUDGE TO METHANE.  
Hitte, S.J. 1975. 13 p.  
A discussion of the biological conversion of solid waste to methane. Discusses markets, current research, benefits, economics, and environmental impacts.
- 490 SOLID WASTE MANAGEMENT GUIDELINES -- GUIDELINES FOR RESOURCE RECOVERY FACILITIES. Federal Register, September 21, 1976 (40 CFR Part 245).  
A regulation that requires Federal agencies that are involved with solid waste disposal activities to establish or utilize resource recovery facilities to dispose of the waste and recover the material and energy contained in the waste.
- 499 RESOURCE RECOVERY PLANT IMPLEMENTATION: GUIDE FOR MUNICIPAL OFFICIALS-MARKETS. Garbe, Y., and S.J. Levy. 1976. 74 p.  
(See Overview -- Planning for description)
- 518 MARKET LOCATIONS FOR RECOVERED MATERIALS. Howard, S. 1976. 88 p.  
Contains lists of actual or potential users of recycled paper, steel, glass, and aluminum. Certain key data is presented when available for each facility, including whether they use recycled materials and their yearly capacity.
- 528 DEMONSTRATING RESOURCE RECOVERY. EPA (Staff). Reprinted from Waste Age, June 1976.  
A summary of EPA's resource recovery demonstration projects. Discusses problems encountered and gives current status.
- 550 RESOURCE RECOVERY PLANT IMPLEMENTATION: GUIDE FOR MUNICIPAL OFFICIALS-TECHNOLOGIES. Levy, S.J. and H.G. Rigo. 1976. 81 p.  
(See Overview -- Planning for description)



- 570 A REVIEW OF ENERGY RECOVERY TECHNOLOGIES. Levy, S.J. and S.A. Lingle.  
Reprinted from Waste Age, November 1976.  
(See Overview -- General Information for description.)
- 600 RESOURCE RECOVERY AND WASTE REDUCTION. FOURTH REPORT TO CONGRESS  
Environmental Protection Agency. 1977. 142 p.  
(See Overview -- General Information for description.)
- 620 RESOURCE RECOVERY IMPLEMENTATIONS, A STATUS REPORT. Levy, S.J. and  
L. McEwen. Reprinted from Resource Recovery and Energy Review,  
January -- February 1977.  
(See Overview -- General Information for description.)
- 638 A NEW ENGLAND RECYCLING DIRECTORY. Environmental Protection Agency,  
Region I. 1977. 49 p.  
Discusses aspects to consider in implementing a recycling  
program. Lists N.E. solid waste management programs,  
communities with recycling programs, and N.E. markets for  
purchasing these products.
- 690 RESOURCE RECOVERY; RECOVERING WASTES. U.S. Environmental  
Protection Agency. Reprinted from EPA Journal, February 1978.  
2 p.  
(See Overview -- General Information for description)

#### Source Separation and Paper Recycling

- 343 THE NATIONAL BUYERS GUIDE TO RECYCLED PAPER. Environmental  
Educators, Inc. October 1973. 208 p.  
Directory of paper companies and their distributors who  
manufacture products containing recycled paper. Products  
and recycled contents are listed.
- 381 SEPARATING PAPER AT THE WASTE SOURCE. Lingle, S.A. April 1974.  
16 p.  
Discussion of techniques for separate collection of newspaper,  
corrugated, and office wastepaper, as well as associated  
market, environmental and conservation issues.
- 397 TRENDS IN WASTEPAPER EXPORTS AND THEIR EFFECTS ON DOMESTIC MARKETS.  
Smith, F.L., Jr. 1974. 17 p.  
An economic evaluation of the impact of wastepaper exports on  
domestic paper markets.
- 400 A NEW LOOK AT THE ECONOMICS OF SEPARATE REFUSE COLLECTION.  
SCS Engineers and EPA staff. Reprinted from Waste Age,  
May/June 1974.  
Discusses the economic implications of separate refuse  
collection.

- 420 PAPER RECYCLING IN THE UNITED STATES. Lingle, S.A. Reprinted from Waste Age, Nov. 1974. 4 p.  
An overview of the wastepaper market in the United States, covering supply, demand and price.
- 446 WHAT YOU CAN DO TO RECYCLE MORE PAPER. Environmental Protection Agency. 1975. 12 p.  
Guide for citizens interested in ways to recycle paper.
- 465 PAPER RECYCLING 1973: A DRAMATIC YEAR IN PERSPECTIVE. Lingle, S.A. In Fiber Conservation and Utilization: Proceedings; Pulp and Paper Seminar, Chicago, May 1974. Reprinted, San Francisco, Miller Freeman Publications, Inc., 1975. 11 p.  
Discusses four key issues in the recycled paper markets in 1973.
- 473 MATERIALS RECOVERY: SOLID WASTE MANAGEMENT GUIDELINES FOR SOURCE SEPARATION. Federal Register, April 23, 1976. (40 CFR Part 246)  
Guidelines for source separation in Federal facilities.
- 486 RESIDENTIAL PAPER RECOVERY: A MUNICIPAL IMPLEMENTATION GUIDE. Hansen, P. 1975. 26 p.  
Discusses municipal separate collection in terms of methods of collection, public vs. private collection, success factors, pilot vs. full-scale programs, and mandatory vs. voluntary separation.
- 510 DEMONSTRATION MULTI-MATERIAL SOURCE SEPARATION IN SOMERVILLE AND MARBLEHEAD, MASSACHUSETTS. Hansen, P. and Resource Planning Associates. Reprinted from Waste Age, Feb. 1976.  
Describes two demonstration projects, funded in part by EPA, where source separated materials are collected for recycling.
- 511 WASTEPAPER RECYCLING: REVIEW OF RECENT MARKET DEMAND AND SUPPLY. Smith, Fred. Reprinted from Pulp & Paper, Sept. 1975.  
Discusses the causes and patterns of unstable U.S. wastepaper market during 1973 to 1975; foresees little to prevent future fluctuations.
- 551 SOURCE SEPARATION: THE COMMUNITY AWARENESS PROGRAM. Resource Planning Associates. 1976. 81 p.  
Describes the public education campaign conducted to kick-off the source separation programs in Somerville and Marblehead, Mass.

- 553 RESIDENTIAL PAPER RECOVERY: A COMMUNITY ACTION PROGRAM.  
National Center for Resource Recovery, Inc. 1976. 20 p.  
Describes how to conduct a public education campaign  
implementing a community source separation program..  
This is a companion document to #486 above.
- 571 OFFICE PAPER RECOVERY: AN IMPLEMENTATION MANUAL. SCS Engineers.  
1977. 53 p.  
Describes how to implement high-grade paper recovery programs.
- 575 RESOURCE RECOVERY THROUGH MULTI-MATERIAL SOURCE SEPARATION.  
Hansen, P. Reprinted from Waste Age, October 1976.  
Review of Somerville and Marblehead, Mass., source separation  
demonstrations.
- 616 USE IT AGAIN, SAM; THE FEDERAL GOVERNMENT HIGH-GRADE PAPER RECOVERY  
PROGRAM. Environmental Protection Agency, 1977. 4 p.  
Pamphlet describing the Government's high-grade office-paper  
recycling program, the "Use It Again, Sam" plan.
- 622 WASTE PAPER; A NEW LOOK AT RECYCLING. Report on conference held  
by Citizens' Advisory Committee on Environmental Quality  
(Washington, D.C.) May 1977. 88 p.  
Resume of conference and resulting recommendations.
- 642 THE LITTLE TOWN THAT COULD. Sullivan, M. Reprinted from  
Conservation News January 15, 1978. 5 p.  
The story of successful source separation in Nottingham,  
New Hampshire.
- 666 PAPER PROFITS; SOLID WASTE PROJECT. Environmental Action Foundation  
Garbage Guide, No. 9, 1977. 4 p.  
Discusses high-grade office paper recovery.
- 671 CURBING TRASH; COMMUNITY GUIDE. Valdes-Cogliano, S.J. League of  
Women Voters Education Fund, 1977. 6 p.  
Discusses curbside separate collection.
- 675 SAVE A PAPER, WARM A HOME. Awner, A. Reprinted from Conservation  
News, January 15, 1978. 4 p.  
Discusses recycling newspaper, its future, and its secondary  
use as a home insulator.
- 678 SOURCE SEPARATION, SMALL-SCALE PYROLYSIS WORK WONDERS FOR THE  
TOWN OF PLYMOUTH. Reprinted from Solid Waste Systems,  
May-June 1977. 3 p.  
Report of Plymouth's solution to solid waste problems with  
an overview of happenings in other New Hampshire communities.

ANALYSIS OF SOURCE SEPARATE COLLECTION OF RECYCLABLE SOLID WASTE. (2 vols.) SCS Engineers. 1974. Distributed by the National Technical Information Service, U.S. Dept. of Commerce, Springfield, Va. 22151. Publication Nos. PB-239 775 and PB-239 776.

Final report of detailed case studies of separate collection and recycling centers. Discusses economics, equipment, public response and other influencing factors.

OPTIMIZATION OF OFFICE PAPER RECOVERY SYSTEMS. SCS Engineers. 1977. 82 p. Distributed by the National Technical Information Service, U.S. Dept. of Commerce, Springfield, Va. 22151. Publication No. PB-264 214.

Gives an overview of office paper recovery programs and companies through recycling methods: the dual waste basket, central container and desk top container systems.

ANALYSIS OF DEMAND AND SUPPLY FOR SECONDARY FIBER IN THE U.S. PAPER AND PAPERBOARD INDUSTRY. (3 vols.) A.D. Little, Inc. Distributed by the National Technical Information Service, U.S. Dept. of Commerce, Springfield, Va. 22151. Publication Nos. PB-250 758; PB-250 905; PB-250 802.

Compiles a comprehensive technical and economic data bank of information on the U.S. pulp and paper industry with specific attention to the role of secondary fiber in the industry.

EVALUATION OF A COMPARTMENTALIZED REFUSE COLLECTION VEHICLE FOR SEPARATE NEWSPAPER COLLECTION. SCS Engineers. 1976. 94 p. Distributed by the National Technical Information Service, U.S. Dept. of Commerce, Springfield, Va. 22151. Publication No. PB-257 969.

Presents information on the economic viability of a compartmentalized refuse collection vehicle for separate newspaper collection.

A NEW LOOK AT RECYCLING WASTE PAPER. Citizens' Advisory Committee on Environmental Quality. 1976. 88 p. Distributed by the Superintendent of Documents, U.S. Government Printing Office, Washington, D.C. 20460. No. 040-000-00369-0. \$1.55/copy, 25% discount for orders of 100 or more.

Report on a conference held May 11, 1976, sponsored by NCCR, involving key people knowledgeable on the subject of the recycled-paper problem.

WASTEPAPER RECYCLING. 12 p.  
WASTEPAPER RECYCLING FOR COMMERCE AND INDUSTRY. 12 p.  
WASTEPAPER RECYCLING FOR CIVIC AND CHARITABLE GROUPS 12 p.  
OFFICE WASTEPAPER RECYCLING. 12 p.  
Distributed by the American Paper Institute, Paper Stock  
Conservation Committee, 260 Madison Avenue, New York, N.Y.  
10016.  
Four brief brochures outlining considerations for starting  
municipal, civic, office or industrial paper collection  
programs.

### Materials Recovery

- 408 THE FRANKLIN, OHIO, DEMONSTRATION PROJECT: WET PROCESSING SOLID WASTES  
FOR RESOURCE RECOVERY. Arella, D.G. 1974. 26 p.  
A summary description of the Franklin, Ohio demonstration  
project--equipment, process flow, and economics.
- 491 MINERAL RECOVERY FROM WASTES. Garbe, Y. 1975. 14 p.  
Summary report of technology which was to be demonstrated  
at Lowell, Massachusetts, including equipment description,  
process flow and economics. Explanation of Lowell withdrawal  
from grant.
- 558 COLOR SORTING WASTE GLASS AT FRANKLIN, OHIO. Garbe, Y.M. Reprinted  
from Waste Age, September 1976.  
An evaluation of the waste glass color sorting subsystem at the  
Franklin, Ohio, resource recovery demonstration project.
- 559 MAGNETIC SEPARATION -- RECOVERY OF SALABLE IRON AND STEEL FROM  
MUNICIPAL SOLID WASTE. National Center for Resource Recovery.  
1977. 24 p.  
Overview of recovery of ferrous metals from waste.
- 577 RE-REFINING WASTE LUBRICATING OIL: THE FEDERAL PERSPECTIVE.  
McEwen, L. Reprinted from Resource Recovery Magazine,  
November -- December 1976. 4 p.  
A discussion of the re-refining industry and the impact of  
recent Federal actions.
- 600 RESOURCE RECOVERY AND WASTE REDUCTION: FOURTH REPORT TO CONGRESS.  
Environmental Protection Agency, 1977. 142 p.  
(See Overview -- for description.)

- 682 THE RECOVERY OF MAGNETIC METALS FROM MUNICIPAL SOLID WASTE. National Center for Resource Recovery, Inc. November 1977. 59 p. Discussion of recovery of magnetic metals from municipal solid waste by front-end processing.
- 690 RESOURCE RECOVERY; INDUSTRIAL WASTE-PROBLEM OR PROFIT. Collins, Darby.  
631 Reprinted from EPA Journal, February 1978. 1 p. Brief discussion of a waste exchange program run by the St. Louis Regional Commerce and Growth Association.
- 688 INDUSTRIAL WASTE EXCHANGE; FACT SHEET. Hill, R.P. 1978. 5 p. Provides facts about industrial waste exchanges including EPA's current list.
- A TECHNICAL, ENVIRONMENTAL AND ECONOMIC EVALUATION OF THE "WET PROCESSING SYSTEM FOR THE RECOVERY AND DISPOSAL OF MUNICIPAL SOLID WASTE." Systems Technology Corporation. 1975. Distributed by the National Technical Information Service, U.S. Dept. of Commerce, Springfield, Va. 22151. Publication No. PB-245 674. An evaluation of the hydrasposal and fiber recovery systems developed by Black Clawson Co. for an EPA demonstration facility in Franklin, Ohio.
- A TECHNICAL AND ECONOMIC STUDY OF WASTE OIL RECOVERY. Teknekron, Inc. Distributed by the National Technical Information Service, U.S. Dept. of Commerce, Springfield, Va. 22151. Publication No. PB-251 716. A summary of Federal programs affecting waste oil and a technical and economic analysis of the re-refining industry.
- TIRE RECYCLING AND REUSE INCENTIVES. International Research and Technology Corporation. Distributed by the National Technical Information Service, U.S. Dept. of Commerce, Springfield, Va. 22151. Publication No. PB-252 602. Identifies alternatives for recycling tires plus possible incentive schemes.
- ENVIRONMENTAL IMPACTS OF VIRGIN AND RECYCLED STEEL AND ALUMINUM. Calspan Corporation. Distributed by the National Technical Information Service, U.S. Dept. of Commerce, Springfield, Va. 22151. Publication No. PB-253 487. A technical and economic assessment comparing the impacts of using virgin and recycled steel and aluminum.
- MATERIALS RECOVERY FROM POST-CONSUMER SOLID WASTE. Levy, S.J. Presented at the Third Annual U.S. -- Japan Conference on Solid Waste Management, May 12-14, 1976. 33 p. Distributed by the Resource Recovery Division (WH-563), Office of Solid Waste, U.S. Environmental Protection Agency, Washington, D.C. 20460. Discusses materials recovery equipment and promising approaches to glass, metals and paper by source separation and separate collection.

## Energy Recovery

- 264 ENERGY RECOVERY FROM WASTE. Lowe, R.A. November 1973. 24 p.  
Describes the St. Louis energy recovery demonstration,  
funded in part by EPA, where solid waste is processed and  
used as a supplementary fuel in power plant boilers.
- 387 INTERIM PROGRESS REPORT: REFUSE AS A SUPPLEMENTARY FUEL FOR POWER  
PLANTS. NOVEMBER 1973 THRU MARCH 1974. Sutterfield, G.W.  
City of St. Louis, Missouri, July 1974. 25 p.  
This third interim report summarizes the operation experience  
from November 1973 thru March 1974, providing a technical  
description of added equipment and summarizing operating  
problems and costs incurred during this period.
- 417 PYROLYSIS OF MUNICIPAL SOLID WASTE. Levy, S.J. Reprinted from  
Waste Age, Oct. 1974. 6 p.  
Describes pyrolysis in general and the pyrolysis systems  
being developed and built by several private companies.
- 442 SAN DIEGO COUNTY DEMONSTRATES OIL PYROLYSIS. Levy, S.J. 1975.  
27 p.  
Describes the San Diego County pyrolysis demonstration  
project where a 200 ton per day plant will convert organic  
solid waste into an oil-like liquid fuel.
- 467 USE OF SOLID WASTE AS A FUEL BY INVESTOR OWNED ELECTRIC UTILITIES:  
PROCEEDINGS. EPA/EDISON ELECTRIC INSTITUTES MEETING. Edited  
by R.A. Lowe. July 1975. 27 p.  
Discusses technical aspects, air pollution, economics and  
financing, and contract negotiations and terms for using  
solid waste as a supplementary fuel in electric utilities.
- 537 BALTIMORE PYROLYSIS PLANT STATUS REPORT. Sussman, D. Reprinted  
from Waste Age, July 1976.  
A status report on the Baltimore demonstration project covering  
the period of January 1-June 30, 1976.
- 537 AIR EMISSIONS FROM SOLID WASTE-FIRED STEAM GENERATORS IN THE U.S.  
Sussman, D. Reprinted from Waste Age, July 1976.  
A list with discussion compiled from various sources of  
particulate emission data from 100 percent solid waste-fired  
steam generators.
- 581 EPA RESOURCE RECOVERY DEMONSTRATION: SUMMARY OF AIR EMISSIONS  
ANALYSES. Holloway, J.R. Reprinted from Waste Age, August 1976.  
Summary of St. Louis RDF project particulate, and bacterial and  
virus emissions testing at processing plant, and particulate  
and gaseous emissions at power plant.

- 582 DEMONSTRATION OF PYROLYSIS AND MATERIALS RECOVERY IN SAN DIEGO, CALIFORNIA. Garbe, Y.M. Reprinted from Waste Age, December 1976. 4 p.  
Updated status report on the progress of the San Diego project.
- 602 THE UTILIZATION OF SOLID WASTE FOR THE GENERATION OF ELECTRIC POWER. Sussman, D. January 1977. Reprint of Electrical and Electronic Engineers (IEEE) Power Engineering Society.  
General overview for the generation of energy.
- 605 CAN NASHVILLE'S STORY BE PLACED IN PERSPECTIVE? McEwen, L.B. and S.J. Levy. Reprinted from Solid Waste Management, August 1976.  
An evaluation of the technical problems encountered by the Nashville Thermal Transfer Corporation's waterwall incineration facility.
- 641 A TECHNICAL EVALUATION OF THE BALTIMORE LANDGARD SYSTEM. Helmstetter, A.J. and D.B. Sussman. Reprint of paper presented at the 1977 annual meeting of the American Institute of Chemical Engineers. November 1977.  
General discussion of the Baltimore demonstration project.
- 678 SOURCE SEPARATION, SMALL-SCALE PYROLYSIS WORK WONDERS FOR THE TOWN OF PLYMOUTH. Reprinted from Solid Waste Systems, May-June 1977. 3 p.  
(See Technology and Markets - Source Separation and Paper Recovery for description).
- 690 RESOURCE RECOVERY; FUEL GAS FROM SOLID WASTE. U.S. Environmental Protection Agency. Reprinted from EPA Journal, February 1978. 1 p.  
Discusses methane recovery at Mountain View, California.
- SYSTEMS EVALUATION FOR REFUSE AS A LOW SULFUR FUEL. Envirogenics and EPA Staff. 1971. (2vols.) Distributed by the National Technical Information Service, U.S. Dept. of Commerce, Springfield, Va. 22151. Publication Nos. PB-209 271 and PB-209 272.  
These volumes assess the fuel properties of refuse and the mechanics and technology involved with the utilization of refuse as a fuel.
- SOLID WASTE AS FUEL FOR POWER PLANTS. Horner & Shifrin. 1973. 146 p. Distributed by the National Technical Information Service, U.S. Dept. of Commerce, Springfield, Va. 22151. Publication No. PB-220 316.  
Summarizes a 1969 study for the City of St. Louis that determined the technical and economic feasibility of burning municipal solid waste as supplementary fuel in large suspension-fired utility boilers.



ST. LOUIS/UNION ELECTRIC REFUSE FIRING DEMONSTRATION AIR POLLUTION TEST REPORT. Midwest Research Institute. August 1974. Distributed by the National Technical Information Service, U.S. Dept. of Commerce, Springfield, Va. 22151. Publication No. PB-237 630. The result of EPA's air emission test conducted in December 1973 as part of the St. Louis energy recovery demonstration.

WHERE THE BOILERS ARE. Gordian Associates. May 1974. 329 p. Distributed by the National Technical Information Service, U.S. Dept. of Commerce, Springfield, Va. 22151. Publication No. PB-239 392. Identifies the location and important design characteristics of electric utility boilers that have potential capacity for using waste as a supplemental fuel. Indicates how much waste could be burned each day in each boiler.

ST. LOUIS REFUSE PROCESSING PLANT: EQUIPMENT, FACILITY, AND ENVIRONMENTAL EVALUATIONS. Midwest Research Institute. 1975. Distributed by the National Technical Information Service, U.S. Department of Commerce, Springfield, VA. 22151. Publication No. PB-243 634. Describes partial results of test and evaluations at the St. Louis facility from September 1974 to January 1975. Includes energy balance, performance evaluation, operating costs, particulate emission tests, evaluation of plant washdown water and a plant sound survey.

STUDY OF THE FEASIBILITY OF FEDERAL PROCUREMENT OF FUELS PRODUCED BY SOLID WASTE. A.D. Little, Inc. Distributed by the National Technical Information Service, U.S. Dept. of Commerce, Springfield, Va. 22151. Publication No. PB-255 695. A list with discussion of Federally-owned steam generators and their capability of using solid waste as a supplemental fuel.

REVIEW OF THE STATUS OF PYROLYSIS AS A MEANS OF RECOVERING ENERGY FROM MUNICIPAL SOLID WASTE. Levy, S.J. Presented at the Third Annual U.S.-Japan Conference on Solid Waste Management May 12-14, 1976. 29 p. Distributed by the Resource Recovery Division (WH-563), Office of Solid Waste, U.S. Environmental Protection Agency, Washington, D.C. 20460. A technical review of four pyrolysis systems currently being marketed in the United States.

USE OF REFUSE-DERIVED SOLID FUEL IN ELECTRIC UTILITY BOILERS. Lingle, S.A. and J.R. Holloway. Presented at the Fifth National Congress on Waste Management Technology and Resource Recovery sponsored by the National Solid Waste Management Association, Dallas, Texas, December 9, 1976. Distributed by the Resource Recovery Division (WH-563), Office of Solid Waste, Washington, D.C. 20460. Discusses the status of electricity utility use of solid waste as a supplemental boiler fuel, the concerns of the utilities and a method for estimating value of solid waste as a fuel.

## Co-Disposal of Solid Waste and Sewage Sludge

- 667 "CO-DISPOSAL" FOR SOLID WASTES AND SEWAGE SLUDGE. Sussman, D.B.  
Reprinted from Waste Age, July 1977. 3 p.  
Summary of the operating systems that dispose of both sewage  
sludge and solid waste.
- 686 THERMAL METHODS FOR THE CO-DISPOSAL OF SLUDGES AND MUNICIPAL  
RESIDUES. Sussman, D.B. and H.W. Gershman. Presented at the  
Fifth National Conference on Acceptable Sludge Disposal  
Techniques, Orlando, Florida, January 31-February 2, 1978.  
Summary of the operating systems that dispose of both  
sewage sludge and solid waste. Assessment of RDF potential in  
municipal sludge incinerators.
- 687 CO-DISPOSAL OF SEWAGE SLUDGE AND SOLID WASTES -- IT WORKS.  
Sussman, D.B. Reprinted from The American City and County,  
October 1977. 4 p.  
Summary of the operating systems that dispose of both sewage  
sludge and solid waste.
- A REVIEW OF TECHNIQUES FOR INCINERATION OF SEWAGE SLUDGE WITH  
SOLID WASTES. Roy F. Weston, Inc. 1976. Distributed by  
the National Technical Information Service, U.S. Dept. of  
Commerce, Springfield, Va. 22151. Publication No. EPA 600/  
2-76-268. 223 p.  
Review of sludge disposal techniques with emphasis on  
incineration.

SW-536.3  
μσ 1404c