Data Summary of Municipal Solid Waste Management Alternatives

Volume XII: Numerically Indexed Bibliography

SRI International
Menlo Park, California

National Renewable Energy Laboratory
A Division of Midwest Research Institute
Operated for the U.S. Department of Energy
Under Contract No. DE-AC02-83CH10093
Data Summary of Municipal Solid Waste Management Alternatives

Volume XII: Numerically Indexed Bibliography

SRI International
Menlo Park, California

NREL Technical Monitors: Bimleshwar Gupta
Philip Shepherd

National Renewable Energy Laboratory
(formerly the Solar Energy Research Institute)
1617 Cole Boulevard
Golden, Colorado 80401-3393
A Division of Midwest Research Institute
Operated for the U.S. Department of Energy
under Contract No. DE-AC02-83CH10093

Prepared under subcontract no: RF-1-1103

October 1992
This report, *Data Summary of Municipal Solid Waste Management Alternatives*, comprises 12 separately bound volumes. Volume I contains the report text. Volume II contains supporting exhibits. Volumes III through X are appendices, each addressing a specific MSW management technology. Volumes XI and XII contain project bibliographies. The document control page at the back of this volume contains contacts for obtaining copies of the other volumes.

<table>
<thead>
<tr>
<th>Volume</th>
<th>Contents</th>
<th>Document Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>I</td>
<td>Report Text</td>
<td>TP-431-4988A</td>
</tr>
<tr>
<td>II</td>
<td>Exhibits</td>
<td>TP-431-4988B</td>
</tr>
<tr>
<td>III</td>
<td>Appendix A Mass Burn Technologies</td>
<td>TP-431-4988C</td>
</tr>
<tr>
<td>IV</td>
<td>Appendix B RDF Technologies</td>
<td>TP-431-4988D</td>
</tr>
<tr>
<td>V</td>
<td>Appendix C Fluidized-Bed Combustion</td>
<td>TP-431-4988E</td>
</tr>
<tr>
<td>VI</td>
<td>Appendix D Pyrolysis and Gasification of MSW</td>
<td>TP-431-4988F</td>
</tr>
<tr>
<td>VII</td>
<td>Appendix E Material Recovery/Material Recycling Technologies</td>
<td>TP-431-4988G</td>
</tr>
<tr>
<td>VIII</td>
<td>Appendix F Landfills</td>
<td>TP-431-4988H</td>
</tr>
<tr>
<td>IX</td>
<td>Appendix G Composting</td>
<td>TP-431-4988I</td>
</tr>
<tr>
<td>X</td>
<td>Appendix H Anaerobic Digestion of MSW</td>
<td>TP-431-4988J</td>
</tr>
<tr>
<td>XI</td>
<td>Alphabetically Indexed Bibliography</td>
<td>TP-431-4988K</td>
</tr>
<tr>
<td>XII</td>
<td>Numerically Indexed Bibliography</td>
<td>TP-431-4988L</td>
</tr>
</tbody>
</table>
COMPLETE LIST OF REFERENCES


COMPLETE LIST OF REFERENCES


COMPLETE LIST OF REFERENCES


COMPLETE LIST OF REFERENCES


COMPLETE LIST OF REFERENCES


COMPLETE LIST OF REFERENCES


### COMPLETE LIST OF REFERENCES


COMPLETE LIST OF REFERENCES

161 Steele, C. "Methane Gas is Rising in Power," Consulting-Specifying Engineer, September 1987, pp. 96-100.


166 Chilton, J. and K. Chilton, "Municipal Landfill Risks: How Real are They?" Source unknown.


COMPLETE LIST OF REFERENCES


COMPLETE LIST OF REFERENCES


COMPLETE LIST OF REFERENCES


250 Sedlock, J.T., "Bottle Bills: Recycling's Boon...or Doom?" Waste Age, October 1990, pp. 58-59.


<table>
<thead>
<tr>
<th>Reference Number</th>
<th>Title and Details</th>
</tr>
</thead>
</table>
COMPLETE LIST OF REFERENCES


COMPLETE LIST OF REFERENCES


300 Combs, S., "Too Good to be True?" Recycling Times, vol 2, no. 13, p. 11.


COMPLETE LIST OF REFERENCES


COMPLETE LIST OF REFERENCES


COMPLETE LIST OF REFERENCES


357 State of New Jersey, Department of Environmental Protection, Emergency Solid Waste Assessment Task Force, August 1990.


<table>
<thead>
<tr>
<th>Reference Number</th>
<th>Reference Details</th>
</tr>
</thead>
</table>
COMPLETE LIST OF REFERENCES


393 Stevens, B.J., "How to Figure Curbside's Cost," Waste Age, February 1989, 4 p.


401 "A Look at Small-Scale System Vendors," Waste Age, November 1988, p. 69-.


wTe CORPORATION 30
COMPLETE LIST OF REFERENCES


### COMPLETE LIST OF REFERENCES

<table>
<thead>
<tr>
<th>Number</th>
<th>Reference</th>
</tr>
</thead>
</table>


COMPLETE LIST OF REFERENCES


COMPLETE LIST OF REFERENCES


COMPLETE LIST OF REFERENCES


512 National Technical Information Service, Composting of Municipal and Sewage Wastes (Jan 70 - May 90), Citations from the COMPENDEX Database, PB90-872086, Jun 1990.

COMPLETE LIST OF REFERENCES


526 O’Leary, P.R., RefCoM Environmental Assessment, University of Wisconsin-Madison, 1989.

COMPLETE LIST OF REFERENCES


COMPLETE LIST OF REFERENCES


COMPLETE LIST OF REFERENCES


589 Correspondence and papers on the Sorain-Ceccini System, 1986.


COMPLETE LIST OF REFERENCES


COMPLETE LIST OF REFERENCES


COMPLETE LIST OF REFERENCES


<table>
<thead>
<tr>
<th>Number</th>
<th>Author(s)</th>
<th>Title</th>
<th>Conference Details</th>
</tr>
</thead>
</table>
COMPLETE LIST OF REFERENCES


COMPLETE LIST OF REFERENCES


COMPLETE LIST OF REFERENCES


COMPLETE LIST OF REFERENCES


## COMPLETE LIST OF REFERENCES

<table>
<thead>
<tr>
<th>Reference Number</th>
<th>Reference</th>
</tr>
</thead>
</table>
COMPLETE LIST OF REFERENCES


739 Michigan Department of Natural Resources, Trip Report: European Study Tour - Composting and Recycling, Belgium, Germany, Switzerland. October 1987.


742 Cornell Waste Management Institute, Background Materials: Composting of MSW, June 1991.


COMPLETE LIST OF REFERENCES


762 Portage, City of, Wisconsin Brochure.

763 Reidel Environmental Technologies, Inc. Literature.


766 Gaston County, NC, Request For Proposals to Develop a Materials Recovery Facility To Serve Gaston County, North Carolina, 22 Sep 1989.
<table>
<thead>
<tr>
<th>Reference Number</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>780</td>
<td>Personal Communication with M. Bobinski, DPW Director, Concord, NH, 1991.</td>
</tr>
</tbody>
</table>


796 Superburn Systems, Ltd., Fluidized Bed Combustion Brochure, Vancouver, B.C.


COMPLETE LIST OF REFERENCES


COMPLETE LIST OF REFERENCES


817 Intergovernmental Solid Waste Disposal Association, Champaign County Solid Waste Management Plan, Part II - Source Reduction, Champaign, Illinois.


819 Intergovernmental Solid Waste Disposal Association, Champaign County Solid Waste Management Plan, Part IV - Facilities, Siting Criteria and System Costs, Champaign, Illinois.

820 Intergovernmental Solid Waste Disposal Association, Champaign County Solid Waste Management Plan, Part V - Compilation of Public Comments and Responses, Champaign, Illinois.


COMPLETE LIST OF REFERENCES


COMPLETE LIST OF REFERENCES


<table>
<thead>
<tr>
<th>Reference Number</th>
<th>Reference</th>
</tr>
</thead>
<tbody>
<tr>
<td>869</td>
<td>Personal communication with Daniel F. Moats, former Plant Manager, Columbus, Ohio Project, 1991.</td>
</tr>
</tbody>
</table>
Complete List of References


886 Personal Communication With M. Bruner, Solid Waste Authority of Palm Beach, 24 October 1991.

887 Kiser, J.V., "...The Rest of the Story is Good!," Waste Age, November 1989, 5 p.


COMPLETE LIST OF REFERENCES

893 Personal Communication With Dr. Marc Bruner, Director Of Environmental Programs, West Palm Beach Authority, Fl, 24 October 1991.


### Document Control Page

<table>
<thead>
<tr>
<th>1. NREL Report No.</th>
<th>2. NTIS Accession No.</th>
<th>3. Recipient's Accession No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>NREL/TP-431-4988L</td>
<td>DB92016433</td>
<td></td>
</tr>
</tbody>
</table>

### 4. Title and Subtitle

Data Summary of Municipal Solid Waste Management Alternatives. Volume XII: Numerically Indexed Bibliography

### 5. Publication Date

October 1992

### 7. Author(s)

SRI International

### 8. Performing Organization Rept. No.

### 9. Performing Organization Name and Address

SRI International
333 Ravenswood Ave.
Menlo Park, CA 94025-3493

### 10. Project/Task/Work Unit No.

WM21.1010

### 11. Contract (C) or Grant (G) No.

(C) RF-1-11003
(G)

### 12. Sponsoring Organization Name and Address

National Renewable Energy Laboratory
1617 Cole Blvd.
Golden, CO 80401

### 13. Type of Report & Period Covered

Subcontract Report

### 15. Supplementary Notes

NREL Technical Monitor: Bimleshwar Gupta and Philip Shepherd (303) 231-1760

### 16. Abstract (Limit: 200 words)

The overall objective of the study in this report was to gather data on waste management technologies to allow comparison of various alternatives for managing municipal solid waste (MSW). The specific objectives of the study were to:

1. Compile detailed data for existing waste management technologies on costs, environmental releases, energy requirements and production, and coproducts such as recycled materials and compost.
2. Identify missing information necessary to make energy, economic, and environmental comparisons of various MSW management technologies, and define needed research that could enhance the usefulness of the technology.
3. Develop a data base that can be used to identify the technology that best meets specific criteria defined by a user of the data base.

Volume I contains the report text. Volume II contains supporting exhibits. Volumes III through X are appendices, each addressing a specific MSW management technology. Volumes XI and XII contain project bibliographies.

### 17. Document Analysis

a. Descriptors

municipal waste; waste to energy; resource recovery; recycling

b. Identifiers/Open-Ended Terms

c. UC Categories

249

### 18. Availability Statement

National Technical Information Service
U.S. Department of Commerce
5285 Port Royal Road
Springfield, VA 22161

### 19. No. of Pages

74

### 20. Price

A04

Form No. 0069B (6-30-87)