



Project Summary

Proceedings: 1989 International Conference on Municipal Waste Combustion

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The proceedings document presentations at the International Conference on Municipal Waste Combustion (MWC), held April 11-14, 1989, in Hollywood, Florida. The objective of the Conference was to provide an effective international forum for the exchange and transfer of information on municipal solid waste incineration, ash disposal, and related economic, political, social, and technical issues.

This Project Summary was developed by EPA's Air and Energy Engineering Research Laboratory, Research Triangle Park, NC, to announce key findings of the research project that is fully documented in a separate report of the same title (see Project Report ordering information at back).

The Conference

The International Conference on Municipal Waste Combustion (MWC), sponsored by the United States Environmental Protection Agency and Environment Canada, was held in Hollywood, Florida, April 11-14, 1989. This international forum provided for the transfer and exchange of technical information on municipal solid waste (MSW) incineration and ash treatment/disposal. Participating organizations included the Air and Waste Management Association (formerly APCA), the American Society of Mechanical Engineers, and the World Health Organization. The conference enabled professionals to meet and share ideas related to the planning, design, construction, operation, and maintenance of MWC facilities. This forum was also relevant to those involved in the regulation and research and development of

new technologies addressing pollution problems related to MSW incineration.

The Conference proceedings consist of four volumes and include papers examining relevant technical, regulatory, and social issues from the perspective of defining problems and proposing solutions, as well as describing experiences, forecasting trends, and reporting new and improved technologies. Papers and panel presentations included:

International Overviews; MWC Planning and Maintenance; Ash Characterization and Leaching; Risk and Health Effects; MWC Performance; Ash Treatment, Utilization, and Disposal; Sampling and Analysis; Residue Issues and Research Needs; Combustion Technology; Economic and Social Issues; Flue Gas Cleaning; Materials Recovery and Recycling; Quality Assurance/Quality Control; and Challenges of the '90s.

Conference registrants exceeded 400 and represented 22 countries. Three keynoters examined waste management from the U.S., Canadian, and European perspectives. Panelists addressed: (1) residue issues and research needs and (2) waste management challenges of the 1990s. The 88 technical papers were presented in three concurrent sessions.

Volume 1 contains papers from:

- Session 0:
Keynote Addresses
- Session 1:
International Overviews
- Sessions 2A/2B/2C:
MWC Planning and Maintenance/Ash Characterization and Leaching I/Risk and Health Effects I



- Sessions 3A/3B/3C:
MWC Performance I/Ash Characterization and Leaching II/Risk and Health Effects II

Volume 2 contains papers from:

- Sessions 4A/4B/4C:
MWC Performance II/Ash Treatment and Utilization, and Disposal I/Sampling and Analysis I
- Sessions 5A/5B/5C:
MWC Performance III/Ash Treatment and Utilization, and Disposal II/Sampling and Analysis II

- Session 6:
Panel Discussion: Residue Issues and Research Needs

Volume 3 contains papers from:

- Sessions 7A/7B/7C:
Combustion Technology I/Economic and Social Issues I/Flue Gas Cleaning I
- Sessions 8A/8B/8C:
Combustion Technology II/Economic and Social Issues II/Flue Gas Cleaning II

Volume 4 contains a list of attendees and papers from:

- Sessions 9A/9B/9C:
Materials Recovery and Recycling I/Economic and Social Issues III/Flue Gas Cleaning III
- Sessions 10A/10B/10C:
Materials Recovery and Recycling II/Combustion Technology II/Flue Gas Cleaning IV
- Sessions 11A/11B/11C:
Quality Assurance/Quality Control/Ash Treatment, Utilization, and Disposal III/Flue Gas Cleaning V
- Session 12:
Panel Discussion: Challenges of the '90s

Theodore G. Brna is the EPA Project Officer (see below).

The complete report, entitled "Proceedings: 1989 International Conference on Municipal Waste Combustion," (Set Order No. PB 92-174655/AS; Cost, \$170.00) consists of four volumes:

Volume 1 (Order No. PB92-174663/AS; Cost: \$ 50.00) documents presentations from Sessions 0, 1, 2, and 3.

Volume 2 (Order No. PB92-174671/AS; Cost: \$ 50.00) documents presentations from Sessions 4, 5, and 6.

Volume 3 (Order No. PB92-174689/AS; Cost: \$ 50.00) documents presentations from Sessions 7 and 8.

Volume 4 (Order No. PB92-174697/AS; Cost: \$ 50.00) documents presentations from Sessions 9, 10, 11, and 12.

All costs are subject to change. The set and all volumes of the report will be available only from:

*National Technical Information Service
5285 Port Royal Road
Springfield, VA 22161
Telephone: 703-487-4650*

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