

Environmental Engineering

1985

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FOREWORD

The 1985 National Conference on Environmental Engineering is sponsored by the Environmental Engineering Division (EED) of the American Society of Civil Engineers. Cooperating sponsors include the Department of Civil Engineering at Northeastern University, the Boston Society of Civil Engineers/Section (ASCE) and the New England Water Pollution Control Association. The work of many individuals, especially the Local Organizing Committee and the National Abstract Review Committee have resulted in these Proceedings. On behalf of the Division and the cooperating sponsors, I welcome you to Boston and hope that both the Conference and these *Proceedings* prove to be professionally rewarding to you.

The purpose of the annual Conference is to pursue scientific knowledge and promote sound engineering judgement and practice in the solution of environmental engineering problems. The program is arranged so as to include all areas of environmental engineering as defined by the EED. The four major technical committees (AIR, NOISE AND RADIATION MANAGEMENT; SOLID WASTE MANAGEMENT; WATER POLLUTION MANAGEMENT; AND WATER SUPPLY AND RESOURCE MANAGEMENT) aided in defining the current technical areas of interest to the environmental engineering profession. Additional direction was given from other EED subcommittees, task committees, and the Local Organizing Committee. These collective efforts have resulted in the following 29 technical sessions that address the broad field of environmental engineering.

A major theme in this years conference is the impact that toxic and other hazardous materials have on the environment. The topics covered in their *Proceedings* include; Domestic and Industrial Wastewater Treatment; Water Quality Modeling; Groundwater Contamination; Transport and Treatment; Sludge Dewatering and Management; Air Quality Problems; Environmental Assessments; Environmental Auditing; Infrastructure Management; Wastewater Collection Systems; Low-level Radioactive Waste Control; Energy Recovery Systems; Landfill Controls; Water Treatment Technologies; and Small System Management.

The call for papers resulted in many excellent abstracts being submitted on all aspects of environmental engineering. As a result the number of sessions was expanded in order to meet the objective of the conference. However, even with the expanded sessions, many good papers could not be included in the program due either to topic area or to other limitations.

All papers published in the *Proceedings* are subject to ASCE Conference review procedures. They are eligible for appropriate awards and open to discussion as per ASCE-Environmental Engineering Division Journal regulations.

The success of the Conference and the quality of the *Proceedings* are attributable to the efforts of many people. First to all those who submitted abstracts, and established the high level of technical material from which the Conference and *Proceedings* evolved, we wish to express our appreciation. Through your efforts, a continued improvement in environmental engineering practice is possible. Secondly, to the dedicated the authors and presenters, who in sharing their results with us, have helped the profession grow.

Special appreciation is given to members of the Technical Committees, the National Abstract Review Committee, the Sessions Program Committee, the Executive Committee, and ASCE National Headquarters for their assistance in organizing, planning, and assisting in the many details of the Conference. Also a special thank you to Louise Morganti, Richard Waterman, and the many other volunteers involved in the coordination of the Conference.

The success of the Conference is attributed to the cumulative efforts of the numerous individuals and groups to which the Conference Chairman, ASCE, and the environmental engineering profession are indebted.

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