

United States
Environmental Protection
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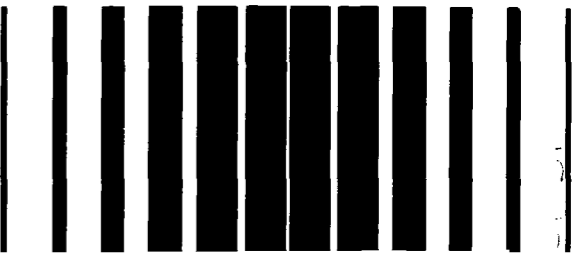
American Society of
Civil Engineers (ASCE)

Technology Transfer

Fine Pore Aeration Systems

Philadelphia, PA — August 15-16, 1989
Chicago, IL — November 13-14, 1989
San Francisco, CA — November 16-17, 1989

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United States
Environmental Protection
Agency

Center for Environmental Research
Information
Cincinnati, OH 45268

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EPA Fine Pore Seminar Series
c/o Eastern Research Group, Inc.
6 Whittamore Street
Arlington, MA 02174

Background and Purpose

More than 1,300 municipal and industrial wastewater treatment facilities in the U.S. now use fine pore aeration. The technology remains relatively new in North America and new materials and configurations continue to be developed. In 1985, the U.S. Environmental Protection Agency, in cooperation with the American Society of Civil Engineers (ASCE), undertook a major study to evaluate fine pore diffused aeration in both clean and process waters, including conducting field studies at a number of municipal wastewater treatment facilities employing fine pore aeration. A new EPA Technology Transfer design manual on fine pore aeration will be published this year.

This seminar series is cosponsored by EPA and ASCE and is based on the new Technology Transfer manual. It will provide designers, end users, and regulators with information on the nature of the fine pore aeration devices; design, cost, and performance data; and related O&M requirements to promote the intelligent application of this technology. The seminar is not designed for those who have no working knowledge of wastewater treatment technology.

Registration

There is no registration fee and you may register for any one of the three seminars. We recommend, however, that you choose the seminar to be given closest to your EPA region since both regional and State personnel will be participating in the sessions. Attendance is limited so register early. A confirmation letter will be sent to all registrants. For further information contact Ms. Karen Natsios, Seminar Coordinator, 617-648-7810.

Hotel Information

Arrangements have been made for a block of rooms at each hotel where seminars are to be held. Special rates are available to seminar attendees. Make your reservations directly with the hotel and mention that you are attending the EPA seminar to receive the special guest room rate. Please note the cutoff date for obtaining the special rate listed below.

Seminar Locations and Dates

The Hershey Philadelphia Hotel
Broad Street at Locust
Philadelphia, PA 19107
215-893-1600
August 15-16, 1989
Cutoff Date: July 8, 1989

The Ambassador West
1300 North State Parkway
Chicago, IL 60610
312-787-7900
November 13-14, 1989
Cutoff Date: October 23, 1989

The Holiday Inn Golden Gateway
1500 Van Ness Avenue
San Francisco, CA 94109
415-441-4000
November 16-17, 1989
Cutoff Date: October 23, 1989

Seminar Program

First Day

- 8:00 a.m. **Registration**
8:30 a.m. **Welcome**
8:35 a.m. **Introduction**
Richard C. Brenner, EPA RREL,
Cincinnati, OH
9:00 a.m. **Description of Fine Pore Aerators**
William C. Boyle, University of Wisconsin -
Madison, WI
9:45 a.m. **Break**
10:15 a.m. **Diffuser Characterization**
David T. Redmon, Ewing Engineers,
Milwaukee, WI
11:00 a.m. **Performance in Clean Water**
Robert Baillod, Michigan Tech,
Houghton, MI
12:00 a.m. **Lunch**
1:30 p.m. **Process Application**
William C. Boyle
2:15 p.m. **Fouling**
James Marx, Donohue and Associates,
Milwaukee, WI
3:00 p.m. **Break**
3:30 p.m. **Performance Under Process Conditions**
William C. Boyle
4:30 p.m. **Operation/Maintenance**
James Marx
5:00 p.m. **Adjourn**

Second Day

- 8:30 a.m. **System Design**
Glen Daigger/Fred Marotte/
Brooks Newbry, CH2M Hill, Denver, CO
10:15 a.m. **Break**
10:45 a.m. **Design Problem Introduction**
Hugh Campbell, E. I. du Pont de Nemours
& Co., Newark, DE
11:00 a.m. **Work on Design Problem**
Hugh Campbell
12:00 a.m. **Lunch**
1:30 p.m. **Discussion of Design Problem**
Hugh Campbell & CH2M Hill
2:30 p.m. **Control Systems**
Gordon Speirs, Environment Canada,
Burlington, Ontario, Canada
3:00 p.m. **Case Histories**
H. David Stensel, University of
Washington, Seattle, WA
3:45 p.m. **Question/Answer Session**

FINE PORE AERATION TECHNOLOGY —U.S. Environmental Protection Agency—

For registering at the following seminars (check preference)

- Philadelphia, PA — August 15-16, 1989 Chicago, IL — November 13-14
 San Francisco, CA — November 16-17, 1989

Name and Title _____

Organization _____

Address _____

City, State, Zip Code _____

Telephone _____