

14th Annual WATER RESOURCES SEMINAR

November 23-24, 1981
Earle Brown Center for
Continuing Education
St. Paul Campus
University of Minnesota

Presented by:
Department of Conferences
Continuing Education and
Extension
University of Minnesota

In cooperation with:
Water Resources Technical
Committee
American Society of Civil
Engineers
Minnesota Section

A program of Continuing
Education for Engineers
and Scientists

Program Description

The Minnesota Water Resources Seminar provides an opportunity for practicing engineers, planners, public officials and interested private citizens to examine current issues and topics affecting our region's water resources. The seminar combines educational formats of general sessions, panel discussions, and small workshops which allow participants to explore their own areas of interest.

Highlights of the Seminar include:

- Presentations on Current Topics in Minnesota Water Resources
- A Session on Current National and Minnesota Water Issues
- Concurrent Workshops:
 - I. Modeling of Bridges and Encroachments Using HEC2
 - II. Improving Water Quality Through Pond Detention
 - III. Stream Crossing Design Using Risk Assessment and/or Risk Analysis
- A Panel Discussion on Legal Liabilities of Water Project Design
- Poster Sessions

GENERAL INFORMATION

The Seminar will be held on November 23-24, 1981 at the Earle Brown Center for Continuing Education on the St. Paul campus of the University of Minnesota. A map detailing the location will be sent to all registrants. Registration will be at noon on Monday, November 23, with sessions lasting until 5:00 p.m. There will be a social hour with concurrent poster sessions from 5:00-6:00 p.m., with dinner and a short evening program following. On Tuesday, November 24 sessions will run from 8:30 a.m. to 4:30 p.m.

PARKING AND ACCOMMODATIONS

A block of rooms has been reserved at the Holiday Inn-Roseville, 2540 North Cleveland Avenue, St. Paul, Minnesota 55113. Please make your own reservations by calling (612)636-4567 at least two weeks prior to the Seminar. Be sure to mention that you are participating in the Water Resources Seminar. Rates are \$35-41 per night. The hotel is located approximately five miles from the Earle Brown Center.

Parking is available directly in front of the Center for \$.60/day, and across the street for \$.35/day.

PROGRAM SCHEDULE

Monday, November 23

- 12:00 noon Registration
- 1:00 p.m. Seminar Introduction
Fred Jenness
Minnesota Pollution Control Agency
- 1:15 Keynote Address
Water and Energy: Resources in Crisis
Dr. Joseph Rossillon, Executive
Director, Freshwater Biological
Research Foundation
- 2:00 "Water for Life" - Slide Presentation
by Freshwater Foundation
- 2:15 Current Topics in Minnesota Water
Resources
- A. Hydropower
Ron Visness, Assistant Director,
Minnesota Energy Agency
- 3:00 Break and Poster Sessions
- 3:30 B. Hazardous Waste and Groundwater
John N. Holck
Michael Kanner
Solid and Hazardous Waste Divi-
sion, Minnesota Pollution Control
Agency
- 4:00 C. Water-Related Energy Requirements
of Minnesota's Peatland Exploita-
tion
Roger Aiken, Energy Systems
Analyst, Synergistic Design and
Engineering, Inc.
- 4:30 D. Acid Rain
Dr. John Wood, Professor of
Biochemistry, Freshwater Bio-
logical Research Foundation
- 5:00 Poster Sessions and Reception
- 6:00 Mount St. Helens: Eruption and
Recovery
Lawrence Magura, Portland District
U.S. Army Corps of Engineers
Moderator: Helmer "Bud" Johnson
- 8:00 Adjourn

Tuesday, November 24

- Current Water Issues
Moderator: Warren White
- 8:30 a.m. National
Bruce Rickerson
American Society of Civil Engineers
- 9:15 Minnesota
Dr. George R. Blake, Director,
Water Resources Center, University
of Minnesota
- 10:00 Break
- 10:15 CONCURRENT WORKSHOPS
- I. Modeling of Bridges and
Encroachments Using HEC2
Patrick Foley, Hydraulic Engi-
neer, U.S. Army Corps of
Engineers
Moderator: C. Edward Bowers
- II. Improving Water Quality Through
Pond Detention
Frank Pafko, Acting Chief,
Environmental Development Unit,
Minnesota Department of Trans-
portation
Wendell Scheib, Soils Mechanic
Engineer, Soil Conservation
Service
Moderators: Mike Gillen
Dick Herold
- III. Stream Crossing Design Using
Risk Assessment and/or Risk
Analysis
David Halvorson, Hydraulics
Engineer, Minnesota Department
of Transportation
Moderators: Alan Fandrey
Mark Schumacher
- 12:00 noon Lunch
- 1:00 p.m. REPEAT WORKSHOPS
- 3:00 Break

