

# Minnesota Ground Water Association Fall Conference

November 13, 2007

University of Minnesota Continuing Education & Conference Center - St. Paul, MN

## Addressing Ground-Water Issues for the Next Generation

7:30am Registration

8:00 Opening remarks--**Jeff Stoner**, President MGWA

8:15 Historical notes about MGWA and Minnesota Ground Water: the past 25 years—**Jim Lundy**, Minnesota Dept of Health

8:30 ***Hydrogeologic Frameworks--Unfolding the mysteries of karst***

*A Borehole Perspective*

**Roger Renner**, EH Renner & Sons Well Drilling and B.J. Bonin, WSB & Associates, Inc.

*Hypogenic Karst and its Implications for Minnesota Hydrogeology*

**Kelton Barr**, Braun Intertec and Alexander Klimchouk, Ukrainian Institute of Speleology and Karstology

*Using Geochemistry to Sort out Bedrock Aquifer Frameworks*

**Bob Tipping**, Minnesota Geological Survey

9:30 Question and Answer panel discussion about future expectations with the speakers  
Moderator: **Scott Alexander**, University of Minnesota

10:00 Break (refreshments in upper lobby)

10:30 ***Ground-Water Issues Continuing into the Future***

*Lasting Effects of the Hastings Area Nitrate Study*

**Jill Trescott**, Dakota County

*Planning For Ground-Water Supplies in the Twin Cities Metropolitan Area*

**Chris Elvrum**, MCES

*The Life Hydraulic: Fluid Ethics Amid Uncertainty*

**Ray Wuolo**, Barr Engineering

11:30 Question and Answer panel discussion about future expectations with the speakers  
Moderator: **Stu Grubb**, Emmons & Olivier Resources

12:00 **Lunch provided**

1:00 MGWA business, **Jeff Stoner**

1:30 **Keynote**—Global and Interconnected Trends on Social and Technical Development For The Future—**Jack Bacon**, Futurist

2:30 **Break (refreshments in upper lobby)**

3:00 ***Tools and Dollars***

*Integrating Hydrogeologic Tools in Unconsolidated Aquifer Settings: Finding the Tortuous Pathways*—**Jim Berg**, MDNR

*Understanding The Fate of Ground-Water Contaminants: Redefining Natural Attenuation*

**Mark Ferrey**, Minnesota Pollution Control Agency

*Continuing Evolution of Minnesota's Ground-Water Legislation*

**John Helland**, MN Legislative Analyst

4:00 Question and Answer panel discussion about future expectations with the speakers  
Moderator: **Geoff Delin**, US Geological Survey

4:30 Adjourn



## MGWA 25th Anniversary Celebration

Ticket Event

- 5:00 MGWA Reception
- 6:00 Banquet—University of Minnesota Continuing Education & Conference Center
- 6:30 Dinner Speaker—A Futurist Perspective—**Jack Bacon**

### **Continuing Education**

This conference is designed to meet the criteria for continuing education for professionals licensed by the MN Board of [AELSLAGID](#).

This conference is approved for 6 continuing education credits for Minnesota Well License Renewals by the MN Department of Health. MDH asks that you sign in to register for those credits.