

# Challenges to Providing Safe Drinking Water in the Midwest:

## A Symposium

Location: Drake University, Des Moines, IA

Thursday, September 21, 2017

8:00 – 8:45 am	Registration, Continental Breakfast and Social Time
8:45 – 9:00 am	<u>Opening of Symposium</u> Peter S. Thorne, Professor and Head, Department of Occupational & Environmental Health; Director, Environmental Health Sciences Research Center, University of Iowa College of Public Health
9:00 – 10:00 am	<u>Keynote address: Facing the Reality of Water Quality Policy in Iowa: High Hopes Meet Hard Truths</u> (Peter Thorne, Introduction & Moderator) Neil Hamilton, Professor of Law, Drake University
10:00 – 10:15 am	Break
10:15 – 11:45 am	<u>Plenary Session: Health Impacts of Nitrate in Drinking Water</u> Moderator: Catherine Zeman, Professor of Health Promotion & Education, University of Northern Iowa  <i>History of Nitrate in Iowa Water: Surveillance and Risk Assessment</i> Peter Weyer, Director, Center for Health Effects of Environmental Contamination, University of Iowa  <i>Nitrate in Drinking Water and Cancer Risk</i> Mary Ward, Senior Investigator, Division of Cancer Epidemiology and Genetics, National Cancer Institute  <i>Nitrate in Drinking Water and Adverse Reproductive Outcomes</i> Jean Brender, Professor Emeritus, Texas A&M Health Science Center School of Public Health  Panel discussion: speakers
11:45 – 1:00 pm	Luncheon <i>New Technologies and Approaches for Mitigating Unregulated Contaminants in Drinking Water</i> <u>Luncheon Speaker:</u> Sally Guitérrez, Director, Environmental Technology Innovation Cluster Development and Support Program, U.S. EPA Office of Research and Development

1:00 – 2:30 pm

Plenary Session: *Health Impacts from Drinking Water Treatment*

Moderator: Peter Thorne

*Overview of Drinking Water Treatment and By-product Compounds*

David Cwiertny, Associate Professor, Department of Civil & Environmental Engineering, University of Iowa

*How Can We Improve Disinfection By-Products Exposure Assessment*

John Nuckols, Professor Emeritus, Department of Environmental & Radiological Health Sciences, Colorado State University

*Water Treatment Industry and Utility Perspective*

Ed Moreno, Former Director (retired), Iowa City Water Department

Panel discussion: speakers

2:30 – 2:45

Break

2:45 – 4:45

Plenary Session: *New and Emerging Drinking Water Threats*

Moderator: Dana Kolpin, Research Hydrologist, U.S. Geological Survey

*A Pilot Study of Endocrine Disrupting Chemicals in Iowa Public Drinking Water*

Rena Jones, Investigator, Division of Cancer Epidemiology & Genetics, National Cancer Institute

*Harmful Algal Blooms – Impacts on Iowa Water Sources*

Mary Skopec, Executive Director, Iowa Lakeside Laboratory Regent Resource Center

*Harmful Algal Blooms – Ecologic Impacts*

Steve Ensley, Clinical Associate Professor, Veterinary Diagnostic Laboratory, Iowa State University

*Neonicotinoid Insecticides*

Greg LeFevre, Assistant Professor, Department of Civil & Environmental Engineering, University of Iowa

Panel discussion: speakers

4:45 pm	Closing Remarks for Day 1, Day 2 preview: Peter Weyer
5:00 – 8:00 pm	Social Hour and Conference Banquet

**Friday, September 22, 2017**

8:00 – 8:30 am	Registration, Continental Breakfast and Social Time
8:30 – 9:30 am	<p><u>Keynote address: <i>Drinking Water from the Source to the Tap: Ordering our Priorities</i></u> (Joe Bolkcom, Introduction &amp; Moderator)</p> <p>Jerry Schnoor, Professor and Co-Director, Center for Global and Regional Environmental Research, University of Iowa</p>
9:30 – 9:45 am	Break
9:45 – 11:45 am	<p><u>Plenary Session: <i>Communicating with the Public on Drinking Water Issues</i></u></p> <p>Moderator: Kylah Hedding, Assistant Professor, School of Journalism &amp; Mass Communication, University of Iowa</p> <p><i>Iowa Water Quality Information System</i></p> <p>Christopher Jones, Research Engineer, IIHR – Hydrosience &amp; Engineering</p> <p><i>How the Media Communicates Water Quality Issues</i></p> <p>Kathie Obradovich, Political Columnist, Des Moines Register</p> <p><i>Community Engagement on Water Quality</i></p> <p>Emily Holley, Communications Director, Iowa Environmental Council</p> <p><i>Consumer Confidence Reports</i></p> <p>Shelli Lovell, Iowa Regional Utilities Association</p> <p>Panel Discussion: speakers</p>
11:45 – 12:00 pm	<u>Symposium Wrap-Up</u> : Peter Thorne