



Department of Environmental Services Drinking Water Source Protection Workshop

Friday, April 30, 2010

Grappone Conference Center
Concord, New Hampshire

8:45 AM – 4:00 PM

Sponsored by:

American Ground Water Trust
Concord, New Hampshire



Register Online: www.agwt.org

Registration Fee: \$ 30.00

Exhibit Table Fee: \$100.00

AGENDA

8:45 - 9:00 am **Welcome, Annual Source Protection Award and Workshop Overview**

- ◆ **Paul Susca, Source Water Protection, DES**
- ◆ **Thomas S. Burack, DES Commissioner**

9:00 – 9:45

Expanding the Role of Municipalities in Managing Consumptive Water Use

In a major departure from the current framework in which only the State has clear authority to regulate consumptive water withdrawals and after years of study, the Groundwater Commission is assessing an approach it has developed for municipalities to regulate water use based upon resource availability and local planning and development objectives. The municipality's ability to do this would hinge on DES approval of a local plan.

- ◆ **Bill McCann, Society for the Protection of NH Forests, HB 1353 Subcommittee of the NH Groundwater Commission**

9:45 - 10:30

Chloride Trends in Groundwater and Surface Water in the Northern United States

This USGS investigation, published in 2009, looked at surface water in 15 northern states and groundwater in 19 states from 1991 to 2004. The study found that there are multiple sources of chloride in groundwater in both urban and agricultural areas. Not surprisingly, the density of major roads was among the factors associated with higher chloride levels in surface water. Increasing trends in chloride over time were potentially related to a variety of land use factors, including road deicing, wastewater discharges, drinking water treatment, and landfill leachate

- ◆ **John Mullaney, Supervisory Hydrologist, United States Geological Survey**

10:45 - 11:15 **BREAK / REFRESHMENTS**

11:15 – 12:00

How can Community-Based Social Marketing (CBSM) be used to Protect Local Water Resources?

A primer on CBSM, examples of CBSM techniques, and the basics of how to apply them to measure and build support for local water resources protection.

- ◆ **Dr. Brian Eisenhauer, Plymouth State University and**
- ◆ **Nick Stevenson, Graduate M.S. Env. Science & Policy, Plymouth State Univ.**

12:00 - 1:00

LUNCH

1:00 - 3:30 PM Afternoon Sessions – Break-out – 4 Concurrent Tracks

Surface Water	Groundwater	Community-Based Source Water Protection	Best Management Practices
1:00 – 1:45 PM			
<p>Study of the Consumptive Water Use Capacity of the Bloody Brook Watershed</p> <p>An assessment of existing and future water use and development of a strategy to maintain stream baseflow in the Bloody Brook River sub-watershed.</p> <p>◆ Brandon Kernan, Source Protection, DES</p>	<p>Arsenic in Groundwater: Occurrence and Health Implications in New Hampshire</p> <p>Arsenic-related research and outreach activities by Dartmouth Toxic Metals Research Program, including a 15-minute video concerning exposure to low doses of arsenic from private wells in New Hampshire.</p> <p>◆ Laurie Reynolds Rardin, Dartmouth College; Keith Robinson, Director NH/VT, USGS</p>	<p>Protecting Groundwater in Campton, NH Through State Reclassification</p> <p>Summary of Campton's experience to reclassify an important and how to implement a best management practices program to minimize contamination from potential groundwater hazards.</p> <p>◆ Nicholas Sceggell, Source Protection Specialist, Granite State Rural Water; DES</p>	<p>Practical Measures for Reducing Salt Application on Roads and Private Lots</p> <p>This session will summarize best management practices used by DOT and local DPWs to significantly reduce salt use.</p> <p>◆ Steve Gray, NH DOT District Engineer (retired)</p>
1:45 - 2:30 PM			
<p>Protecting Water Quality During Timber Harvesting</p> <p>Learn techniques that protect water quality during timber harvesting. This session will include a sneak preview of the second edition of <i>Good Forestry in the Granite State</i>.</p> <p>◆ Karen Bennett, Extension Forestry Specialist, UNH Coop Extension; Ron Klemarczyk, Forester, FORECO</p>	<p>Mapping Potential Areas for Future Community Water Supply Wells: Statewide Trends and Local Experience</p> <p>How to identify areas potentially favorable for large community wells, with a view to protecting future water supplies.</p> <p>◆ Dan Sundquist, Director of Land Conservation Planning, SPNHF; Laura Alexander, Asst Professor, Env. Studies, Colby-Sawyer</p>	<p>Shepherding Water Protection Ordinances Through the Municipal Process: Success Stories in Seacoast Region</p> <p>Case studies and lessons learned concerning how to raise local awareness, build support and conduct successful voter outreach campaigns for local water resources protection.</p> <p>◆ David Kellam, Project coordinator, Piscataqua Region Estuaries Partnership</p>	<p>Managing Forests to Maintain Pristine Surface Water</p> <p>Applying forest management principles and practices to protect water quality within the Quabbin</p> <p>◆ Thom Kyker-Snowman, Natural Resource Specialist, MA DRC</p>
2:30 - 2:45 PM BREAK			
2:45 – 3:30 PM			
<p>Protecting Drinking Water in Canaan Street Lake Watershed</p> <p>Development of a watershed protection plan and follow-up work to protect Canaan's largest public water supply, supported by a DES source water protection grant</p> <p>◆ Town of Canaan, Center for the Environment, Plymouth State University</p>	<p>A Municipal Private Well Testing Ordinance: Guidance and Model Language</p> <p>A new model ordinance to establish local requirements for private well water quality and yield testing.</p> <p>◆ Pierce Rigrod, DES Source Protection</p>	<p>GET WET! Community-based Groundwater Monitoring, Research, Outreach, and Public Education</p> <p>A community-based monitoring and research program, "GET WET!" (Groundwater Education Through Water Evaluation & Testing) to obtain groundwater data and better inform residents about groundwater quality in their communities.</p> <p>◆ Teresa Thornton, PhD Student, University of Maine School of Forest Resources</p>	<p>Containing Chemical Spills Before They Affect Your Water Supply</p> <p>Quick and effective spill response is important to protect water supplies. This session will overview the steps and resources needed for effective spill control and containment and high light portable containment devices used to minimize releases to surface or groundwater.</p> <p>◆ Les Cartier, NH Fire Marshall's Office; UltraTech International Rep</p>
3:30 - 4:00 PM EVALUATIONS & NETWORKING			

