



Department of Environmental Services Drinking Water Source Protection Workshop

Friday, May 1, 2009

Grappone Conference Center
Concord, New Hampshire

9:00 AM – 4:00 PM

Registration Fee: \$25.00

Exhibit Table Fee: \$100.00

Register Online:

www.agwt.org

Sponsored by:
American Ground Water Trust
Concord, New Hampshire



AGENDA

9:00 - 9:15 am **Welcome, Annual Source Water Protection Award and Workshop Overview**

◆ **Paul Susca, Source Water Protection, DES**

9:15 - 9:30 **Developing A Roadmap for The State's Water Resources: The State Water Plan**
Summary of work underway to develop a comprehensive state water plan 2009 Drinking Water Source Protection Award

◆ **Thomas S. Burack, Commissioner, DES**

9:30 - 10:00 **First Steps to a State Water Plan: The Primer**
Overview and findings from The Primer

◆ **Paul Susca, Source Water Protection Program, DES**

10:00 - 10:45 **Sustainable Use of the Merrimack River as a Public Water Supply**
What is the capacity of the river to serve as a water supply?
Is the water quality a major impediment?
Should we be planning to further use the Merrimack River as a water supply?

◆ **Kirk Westphal, CDM, Inc.**

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

11:15 - 12:00 **A Cluster of Amyotrophic Lateral Sclerosis (Lou Gerhig's Disease) in Close Proximity to Two Lakes in Enfield, NH, USA with Known Blooms of Potentially Toxic Cyanobacteria**
Review of a Dartmouth study of the ecological and water quality issues and potential human health impacts associated with cyanobacteria in NH and VT lakes

◆ **Prof. James F. Haney, Dept of Biological Sciences, UNH; Dr. Tracie Caller, Neuroscience Center at Dartmouth**

12:00 - 1:00 **LUNCH**

1:00 - 2:30pm **Afternoon Sessions – Break-out – 4 Concurrent Tracks**

Surface Water	Groundwater	Special Topics	Land Management & Regulation
<p>1:00 - 1:45</p> <p>The Exeter River Assessment and Watershed-based Plan: Science and Tools for Protecting Surface Water Supplies</p> <p>Update on the development of fluvial and land use information in preparation of watershed plans to protect the Exeter River.</p> <p>◆ Sally Soule, DES Watershed Bureau</p>	<p>1:00 - 1:45</p> <p>Effects of Water-Use Increases and Potential Climate Change on Ground-Water Availability, Seacoast, New Hampshire</p> <p>Summary of report concerning water availability in the seacoast projected out to 2025 given population increases and climate change impacts.</p> <p>◆ Tom Mack, United States Geological Survey</p>	<p>1:00 - 1:45</p> <p>The Importance of Achieving “Water Awareness” in New Hampshire’s Schools</p> <p>Overview of the importance of education as a key component to the success of source water protection.</p> <p>◆ Christine Destremes, Environmental Artist and Andrew Stone, ED, AGWT</p>	<p>1:00 - 1:45</p> <p>Landscaping at the Water’s Edge: An Ecological Approach</p> <p>Review of UNH Extension’s “how to” guidebook for landscaping practices that minimize water quality impacts associated with shoreland development.</p> <p>◆ Jeffrey Schloss, UNH Cooperative Extension</p>

<p>1:45 - 2:30</p> <p>Implementing Source Water Protections in the Nashua River Watershed</p> <p>Review of an EPA targeted source water protection program involving NH and MA communities and state government.</p> <p>◆ Mark Archambault, Nashua River Watershed Association</p>	<p>1:45 - 2:30</p> <p>Development of Rock Blasting BMPs to Protect Groundwater Resources</p> <p>Review of a new DES document concerning blasting and mitigating groundwater quality issues.</p> <p>◆ Brandon Kernen, DES Source Protection Program</p>	<p>1:45 - 2:30</p> <p>Advances in the Use of Porous Pavement: Maintenance and Management Issues</p> <p>Summary of installation, maintenance and performance issues; review of cases in NH.</p> <p>◆ Dr. Robert Roseen, UNH – Stormwater Center</p>	<p>1:45 - 2:30</p> <p>Conservation Finance: How Towns Find and Use Funds for Land Conservation</p> <p>Summary of the currently available financing for local land conservation efforts.</p> <p>◆ Chris Wells, Center for Land Conservation Assistance, SPNHF</p>
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2:30 - 2:45 **BREAK**

<p>2:45 - 3:30</p> <p>Water Supply Watershed Buffer Gap Analysis</p> <p>Statewide analysis of riparian buffer protection within water supply watersheds and potential use as a targeting tool for local watershed managers.</p> <p>◆ Pierce Rigrod, Source Protection Program, DES</p>	<p>2:45 - 3:30</p> <p>Groundwater Discharge: Common Pollutants and Best Management Practices</p> <p>Summary of commonly found pollutants in commercial /industrial activities and review of typical practices (BMPs).</p> <p>◆ Mitch Locker, Groundwater Discharge Program Manager, DES</p>	<p>2:45 - 3:30</p> <p>Compliance with Groundwater Protection Ordinances</p> <p>Case study of permitting a shopping center in an aquifer protection district (included designing an engineered wetland and modeling impacts of treated storm water on ground water quality).</p> <p>◆ David Maclean, P.G. Senior Associate, Geolnsight, Inc.</p>	<p>2:45 - 3:30</p> <p>Changes to the State Alteration of Terrain Rules</p> <p>Review of the significant rule changes that include protections for drinking water resources.</p> <p>◆ Ridge Mauck, AOT Program Manager, DES</p>
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3:30 - 4:00 **EVALUATIONS & NETWORKING**



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