



N.H. Department of Environmental Services Drinking Water Source Protection Conference

In-Person - Day 1 - Tuesday, May 24, 2022 (9:00 am-1:30 pm)
Virtual - Day 2 - Wednesday, May 25, 2022 (9:00 am-2:30 pm)

Conference registration is available at the
American Ground Water Trust's registration
page: www.agwt.org



4.0 Technical Credit Hours for NH Water Works Operators

AGENDA – DAY 1: In-person

Edward Cross Training Complex
722 Riverwood Drive
Pembroke, NH 03275

MAY 24, 2022

- 9:00-9:15 am** **WELCOME, CONFERENCE OVERVIEW**
Pierce Rigrod, Supervisor, Drinking Water and Groundwater Bureau, NHDES
- 9:15-9:30 am** **OPENING REMARKS AND AWARDS**
Robert R. Scott, Commissioner, NHDES
- 9:30-9:45 am** **LEGISLATIVE AND POLICY UPDATES**
Brandon Kernen, Administrator, Drinking Water and Groundwater Bureau, NHDES
- 9:45-10:30 am** **SOURCING AND FATE OF PER- AND POLYFLUOROALKYL SUBSTANCES (PFAS) IN MUNICIPAL WASTEWATER TREATMENT SYSTEMS**

Dr. Paula Mouser, Associate Professor of Civil and Environmental Engineering

Discussion of contributing signatures of PFAS in “sewersheds” and PFAS fate in treatment facilities. Specifically, the talk will cover concentrations and mass loading entering the facility, and fractionation of measured PFAS within the facility into sludge and effluent phases. It will touch on the influence of temperature and biological processes on transformation of PFAS inter terminal products, and implications for regulatory policy.

10:30-11:00 am **Break**

REGISTER ONLINE: www.agwt.org

11:00-11:45 am-Breakout Sessions

Land Conservation as Source Protection	Source Water Threat Assessment	Municipal Stormwater Management
<p>The best way to protect your source: Land conservation. Funding opportunities are better than ever</p>	<p>A Rising Tide Lifts All Boats: New Hampshire’s Statewide Source Water Risk Assessment and What It Could Mean for Local Water Utilities</p>	<p>Exploring Alternative Funding Options for Stormwater Management in Dover, NH: A Stakeholder-Driven Process and First Step in Building Community Support</p>
<p>This presentation will familiarize you with the basics of protecting land through conservation easements and deed restrictions, help you identify partner organizations who can protect the land, and show how the funding sources that are now available in New Hampshire. You will learn about the Drinking Water and Groundwater Trust Fund, Aquatic Resource Mitigation (ARM) Fund, the Land and Community Heritage Program (LCHIP), and the New Hampshire Source Water Protection Partnership which help provide matching funds.</p>	<p>The treatability of potential contaminants was evaluated at a conceptual level for each NH Public water source. Risk scores were developed based on chemical storage, tank inspection and spill history information. Learn how this information may be used to enhance source water protection, and risk mitigation efforts such as those required by American Water Infrastructure Act.</p>	<p>City of Dover will showcase a 14-month effort to secure funding for stormwater management projects to improve water quality, reduce flooding, protect drinking water sources, and potentially alleviate drought impacts.</p>
<p>Paul Susca, Supervisor – Planning, Protection & Assistance, NHDES, Drinking Water and Groundwater Bureau</p>	<p>Margaret Kearns, Director of Water Resources, Corona Environmental Consulting</p>	<p>Ben Sweeney, CFM, Watershed Management Specialist, NHDES; Gretchen Young, PE, Environmental Projects Manager for the City of Dover</p>

11:45-12:45 pm-Lunch

12:45-1:30 pm-Breakout Sessions

Land Conservation as Source Protection	Reducing Contamination Threats	Municipal Source Water Protection
<p>NH Source Water Protection Partnership: Updates on the RCPP in 2022</p>	<p>Reducing the Use of Salt on Roads and Parking Areas is no Longer a Choice in Merrimack...It Simply Has to Happen!</p>	<p>Will Your Local Regulations Protect Drinking Water in the Future?</p>
<p>The NH Source Water Protection Partnership was awarded a \$6.8 million RCPP land conservation grant from NRCS in April 2021. This brief presentation will showcase the plans the Partnership has been developing for conservation easements and riparian restoration projects to protect NH’s source water and aquarian habitats as well as outreach activities</p>	<p>The Merrimack Village Water District (MVD) relies exclusively on groundwater to supply one billion gallons of water annually to over 9,300 connections in Merrimack, New Hampshire, from six high-yield wells. Over the past 30 years, sodium and chloride levels have increased in all the MVD production wells on average over 300%. This discussion will focus on the importance to reduce the salt load in NH to improve the quality of local groundwater resources.</p>	<p>Protecting local drinking water resources at the local level is critical to preserving safe drinking water for the long-term. But will your local regulations hold up to the challenges of shifting precipitation patterns, increased development pressure or rising groundwater? This session will review model land use regulations that help increase community resiliency on a variety of topics, including ensuring the quality and availability of local water supplies.</p>
<p>Lauren Zielinski, NH Water Resources Program Manager, Merrimack River Watershed Council</p>	<p>James Emery, P.G. Principal, District Manager and Sr Hydrogeologist, Emery & Garrett Groundwater Investigations, GZA</p>	<p>Jennifer Rowden, Land Use Program Manager, Rockingham Planning Commission</p>