



N.H. Department of Environmental Services

Virtual Drinking Water Source Protection Conference

Day 1 - Wednesday, May 19, 2021 (9:00 am – 2:30 pm)
Day 2 - Thursday, May 20, 2021 (9:00 am – 3:00 pm)

Conference registration is available at the American Ground Water Trust's registration page: www.agwt.org (click on "Events")

In partnership with the
American Ground Water Trust



5.0 Technical Credit Hours for NH Water Works Operators & Pump Installers

DAY 1 May 19, 2021 Agenda

- 9:00 - 9:15 AM **WELCOME, CONFERENCE OVERVIEW**
Pierce Rigrod, Supervisor, Drinking Water and Groundwater Bureau, NHDES
- 9:15 - 9:30 AM **OPENING REMARKS**
Robert R. Scott, Commissioner, NHDES
- 9:30 – 9:45 AM **LEGISLATIVE AND POLICY UPDATES**
Brandon Kernen, Administrator, Drinking Water and Groundwater Bureau, NHDES

CLIMATE AND SOURCE WATER

9:45 am – 10:45 am

Stories from the Field: Climate Impacts on Public Water Systems

This moderated session will include a series of short presentations and discussion of climate-related impacts on public water systems and options to manage those impacts.

Speakers: Jason Gagnon, Water Precinct Superintendent, North Conway
April Talon, Town Engineer, Durham
Ben Crowder, Water Treatment Facility Manager, Keene
Antony Cavaliere, Superintendent of Utilities, Jaffrey

10:45 am – 11:45 am

Climate Change: Making the Connections

This session will discuss the various climatic changes occurring globally and nationally, and the impacts we are experiencing here in NH. Local data from New Hampshire Climate Assessments and predicted future trends will be presented. The session will include discussion of impacts to drinking water sources and systems.

Speaker: Sherry Godlewski, Resilience and Adaptation Manager, NHDES

11:45 am – 12:15 pm LUNCH BREAK

**Source Water Protection Awards
12:15 pm – 12:30 pm**

**12:30 pm – 1:30 pm
Climate Change and Water in New Hampshire: The view from
the Water Division Director**

The Water Division Director is responsible for the dams, drinking water, groundwater, wetlands, Alteration of Terrain / storm water and subsurface regulation, wastewater and watersheds across the state. With this broad range of responsibilities for water, and the potential impacts on the people of New Hampshire, the Director will give an overview of key views, conclusions, approaches and concerns he and his team have for the future.

Speaker: Thomas O'Donovan, Director, Water Division, NHDES

**1:30 pm – 2:30 pm
Building Resiliency in Uncertain Times: Water Audits and Controlling for Losses**

Aging infrastructure and increasingly intense weather patterns have water utilities across the country focused on resiliency more than ever. This presentation will focus on one of many strategies for building resiliency: controlling water losses. An overview will be provided of one of the most popular tools for analyzing water loss, the American Water Works Association's Free Water Audit Software. To follow, there will be examples of how to use audit results to control water losses and potentially bring in more revenue. Participants will leave with a basic understanding of how to do a water audit, utilize data to inform water loss control management decisions, and obtain resources to assist with implementing water loss control strategies.

**Speakers: Kelsey Vaughn, Water Conservation Program, NHDES
Stacey Herbold, Water Conservation and Water Use Registration and Reporting
Program Manager, NHDES**



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DAY 2

May 20, 2021

Agenda

PUBLIC HEALTH, SOURCE PROTECTION AND PUBLIC EDUCATION

9:00 am – 9:45 am

Results from New Hampshire's First Environmental Exposure Surveillance Study

The 2019 NH Tracking and Assessment of Chemical Exposures (TrACE) Study is a statewide public health surveillance study looking at many different metals, pesticides, per- and polyfluoroalkyl substances (PFAS) found in drinking water, and other chemicals such as tobacco smoke and the degree to which they are present in blood, urine and other biological samples provided by NH residents.

Speakers:

Amanda Cosser, Biomonitoring NH Administrator, NH Dept of Health & Human Services
Nicholas Shonka, Environmental Health Data Analyst, NH Dept of Health & Human Services

9:45 am – 10:30 am

Using State and Federal Funds to Conserve Your High-Priority Water Supply Lands

Learn how to find state and federal land conservation funding from the Land and Community Heritage Investment Program (LCHIP), USDA Natural Resources Conservation Service (NRCS), and other programs. The session will discuss how to find "matching funds" necessary to obtain funding through the state's Drinking Water and Groundwater Trust Fund. Details regarding the Tuckaway Farm project in Lee, NH will be shared as an example of how to maximize obtaining state and federal funding to help protect Durham's source of drinking water.

Speakers:

Brian Hotz, VP for Land Conservation, Society for the Protection of New Hampshire Forests
Paula Bellemore, Natural Resource Specialist, Land & Community Heritage Investment Program

BREAK 10:30 am – 10:45 am

10:45 am – 11:30 am

Portsmouth Partners with the Southeast Land Trust to Protect Properties Around the Bellamy Reservoir with Assistance from the Drinking Water and Groundwater Trust Fund

This session will go through the steps taken to target and acquire two large undeveloped parcels around the Bellamy Reservoir. The city developed a weighted matrix to analyze conservation value and partnered with the Southeast Land Trust to obtain funding from the state Drinking Water and Groundwater Trust Fund. In total, 179 acres of land has been acquired and protected to better protect the Bellamy Reservoir.

Speakers:

Brian F. Goetz, Deputy Director of Public Works, City of Portsmouth

Allan Pratt, Water Resources Manager, Public Works Department, City of Portsmouth

11:30 am – 12:15 pm LUNCH BREAK

12:15 pm -1:00 pm

**Hydrology, Wetlands, and Hydraulics of the Monkey Pond Subwatershed:
An Integrative Approach to Watershed Management and Restoration Planning**

Excessive stormwater loading in New Hampshire's Lake Waukegan has long been a water quality concern. This study sought to better understand the processes of sedimentation and phosphorous loading in the lake. Drawing on results from ecological, hydraulic, and hydrology assessments, this integrative study illustrates the importance of considering hydraulic and wetland function in tandem when assessing potential watershed restoration and enhancement.

Speakers:

Nicholas Sceggell, Project Manager, DuBois & King, Inc.

Grace Glynn, Field Naturalist/Wetland Scientist, Dubois & King, Inc.

Patricia Tarpey, Executive Director, Lake Winnepesaukee Association

1:00 pm – 3:00 pm

Community Engagement: The Key To Achieving Source Water Protection

Awareness, information, and education are key elements of communication that are needed to involve citizens and local officials in source water protection. This workshop will discuss effective methods for community engagement and provide examples of successful outreach and communication strategies that help achieve local support. The workshop will focus on protection of drinking water sources used by New Hampshire municipalities, community water systems and private well owners. There will be a 15-minute break in the middle of the workshop.

Speakers:

Andrew Stone, Executive Director, American Ground Water Trust

Matt Howe, Executive Director, Green Mountain Conservation Group

Malin Clyde, Community Volunteer State Specialist, UNH Cooperative Extension

Jon Balanoff, Executive Director, Acton Wakefield Watersheds Alliance

Emily Vulgamore, Sourcewater Specialist, Granite State Rural Water

Tom Gross, Saco Headwaters Alliance