



NH Water Works Association Newsletter

Issue 106

September 2014

NHWWA's Fall Trade Show/Exposition Coming October 29

NHWWA's Drinking Water Trade Show/Expo will take place at the Grappone Center in Concord on Wednesday, October 29, 2014. This is NH's premier drinking water event – where drinking water professionals and others interested in drinking water issues, products and services have “all in one place” access to the experts.

In June, exhibitors received a packet detailing the exhibit registration procedure, arrival and set up times and other information. A general mailing will be sent in early September to all NHWWA members, certified operators, and pump installers in New Hampshire. The mailing will include registration information and related details. You can also register on line.

There will be approximately 60 exhibitors. Also, there will be 17 seminars that take place throughout the day. Some of the topics that will be discussed are: emerging contaminants, conservation, chemical delivery, maintenance, and much more.

The event is designed for operators, managers, engineers, superintendents, water commissioners, water system owners, consultants, and other professionals, and all those interested in drinking water issues, products and services.

There is no charge to attend the exhibits only.

For additional information, please e-mail NHWWA at: nhwwa@worldpath.net or Patricia Beavers, Trade Show/Expo Coordinator at beaves@sover.net or check out our website nhwwa.org.



Above: a scene from the 2013 Trade Show/Expo. The 2014 Trade Show/Expo will be held Wednesday, October 29 at the Grappone Center in Concord.

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Member News

Daniel R. Wojcik started at Pennichuck in June of 2012 as a Water Treatment Plant Operator. In November of 2013, Dan accepted the position of Pennichuck Water Service Corporation (PWSC) --- "Maintenance and Service Coordinator". Dan is responsible for maintenance activities in the 80 Community Water Systems that are contract operated by PWSC. Prior to working at Pennichuck, Dan worked for the Dracut, MA. Water Department.

Dan is a 2005 graduate of Bishop Guertin High School in Nashua and a 2009 graduate of the University of Massachusetts – Amherst, MA. He earned his Distribution 3 and Treatment 2 certifications. Dan resides in Lowell, MA.

Marco Philippon, past president of NHHWA, is the new Superintendent of Concord's Water Treatment Plant. Marco was previously the operations manager for the Westford Water Department in Massachusetts and prior to that he was a Project Manager for Weston & Sampson, Inc., a Distribution Manager for Pennichuck Water Works, and an Engineering Coordinator for Consumers NH Water Company.

In June of 2014 **Ian Rohrbacher** accepted the position of Chief Water Treatment Operator for the City of Rochester. He is responsible for the water treatment and storage systems; oversees the cross connection control program; and directs the planning and operations for a 5MGD conventional surface water plant, 0.9MGD groundwater treatment plant, 5 pumping stations, and the City's 3 reservoirs contained within the Berry River Watershed.

Ian has a background in electrical and computer engineering and entered the drinking water industry in 2001 as a distribution mechanic for the City of Somersworth. In 2006 he transferred into the treatment plant and was responsible for the operation and maintenance of both an upflow clarifier and ballasted sand clarifier. He holds grade 4 treatment and grade 3 distribution certifications, is a licensed Backflow inspector & tester, and currently serves on the Board of Directors for the New Hampshire Water Works Association.

He joyfully spends his free time with his wife Michelle and their four children on their small hobby farm.

Eugene (Gene) Forbes was recently appointed as Water Division Director of NH Department of Environmental Services. Director Forbes takes the place of Harry Stewart who retired in June.

Continued on page 4...

Water System Construction

Rochester Water Department will soon begin a \$1.8M upgrade of its water treatment plant. The project includes rehabilitation of the filters, upgrading the chemical feed system and more.



Newmarket Water Works is replacing the 1,700 feet of transmission water main to its Great Hill Water Tank with 16 inch diameter ductile iron pipe. This replaces 10 inch cast iron pipe installed in 1894. The cost of this project is approximately \$1 M.

Belmont Water Department has embarked on a meter replacement project – to radio read meters. Also, it has been awarded a \$15,000 (matching) Asset Management Grant from the NHDES.

Exeter Water Department will be adding iron and manganese treatment and an upgrade to its Gilman, Lary Lane, and Stadium wells. Removal of arsenic from the Lary Lane well is also an objective. The cost of this project is \$3.8 M.

Merrimack Village District will soon be in the construction phase of it high pressure green sand filtration system for the number 7 and 8 wells. The system uses continuously regenerated green sand, anthracite coal and filter sand. The cost of this project is \$4.3 M. Construction should begin in late summer and be complete in summer 2015.

North Conway Water Precinct recently replaced 780 feet of 6 inch cast iron water main with 8 inch ductile iron on Amherst Hill Road. The precinct is also replacing 3,500 feet of 6 inch asbestos cement and cast iron pipe with 8 inch ductile iron pipe. This is on Crown Ridge Road. NCWP now requires exterior poly wrap on all Precinct water projects. The estimated cost of these two sections of main is \$720,000, and the work is being done in house. After these projects North Conway will have 90% of its 48 miles of water main less than 20 years old! NCWP hopes to complete another 700 feet of cast iron replacement with ductile iron replacement this fall.

Manchester Water Works recently covered a 4 MG reservoir with a new floating vinyl cover at a cost of \$400,000. MWW will also be replacing 6,000 feet of 6 inch and 8 inch water main this summer.

Continued on page 3...



2015 Legislative Program

2014 was a successful, albeit busy year with legislation and particularly administrative rules reauthorization, and once again NHWWA played an important role in these processes. The Legislative Action Committee thanks all those members who played an active role – especially for your technical expertise, professional expertise and financial support. Thanks especially to those who took the time to review the hundreds of pages of administrative rules and for your suggestions and comments.

A full 2014 legislative and administrative rules report will be included in the Summer Journal.

In August, your packet of information regarding the 2015 NHWWA Legislative Program will be arriving. Please keep in mind the importance of NHWWA’s continued participation in the legislative and rule making process and sign up for the 2015 program. Please don’t just ride on the coattails of the “other water systems”. We are in this together!

The registration form to sign up for the 2015 program that you will receive should be returned to NHWWA by September 15. Participating members will receive monthly legislative updates, which include bill status and a schedule of upcoming public hearings and House and Senate work sessions. More importantly, your financial support helps pay for the legislative agent’s time and effort to attend hearings, testify, and in general advocate for NHWWA and the public drinking water industry.

The cost after 24 years is still only \$.10 per service connection (\$100 minimum). So for example, if your water system has 2,000 service connections, your annual fee will be only \$200. For support members, the annual fee is a flat \$250. For more information, contact Steve Del Deo, legislative agent at 603-415-3959, or email at nhwwa@worldpath.net.

NHWWA Legislative Committee:

David Paris, Manchester Water Works
John Boisvert, Pennichuck Water Works
Carl McMorrان, Aquarion Water Company
Philip Bilodeau, Concord General Services Dept.
Brian Goetz, City of Portsmouth
Steve Del Deo, Legislative Agent

Water System Construction continued...

The Town of Hillsborough has treated its surface water supply with slow sand filtration using free chlorine for disinfection for about 20 years. The water system has regularly exceeded standards for chlorinated disinfection byproducts – both total trihalomethanes (TTHM) and haloacetic acids (HAA5).

After several years of trying various control methods, the Town retained Hoyle, Tanner & Associates in 2011 to investigate two proposed treatment approaches: 1) post-filtration with granular activated carbon; and, 2) UV disinfection followed by chloramination.

Bench and pilot-scale testing results favored the UV/chloramine approach. In 2012 and 2013, the Town procured the UV equipment directly and awarded a separate installation contract. In June 2014, the UV and chloramine systems were completed and placed on-line. Quarterly sampling taken about 3 weeks later resulted in a TTHM reduction from a long-term average of about 140 to 12 µg/L at the compliance sampling location. Similarly, HAA5 was reduced from a long-term average of about 66 to 17 µg/L – both well within compliance limits. The total cost of the project was under budget at about \$820,000 including equipment, installation and engineering for the 1 MGD system and was financed under the NHDES SRF program.

NHWWA Calendar of Events

Here are some of the NHWWA’s fall and winter events:

<u>When</u>	<u>What</u>	<u>Where</u>
September 4	Technical Meeting	Manchester
October 2, 9, 16	Exam Prep Course	Dover
October 9	Backflow Refresher	Concord
October 29	Trade Show/Expo	Concord
November 6	Annual/Technical Meeting	Concord
November 19	Operator Training	Meredith
December 3	Operator Training	Concord
December 9, 11	Effective Surface Water Treatment	Manchester

Also view upcoming meetings and events at NHWWA’s website at nhwwa.org.

Meritorious Achievement Award

Nominations for the 2014 Meritorious Achievement Award are now being accepted. As a member of NHHWA you have the opportunity to nominate a co-worker, associate, colleague, friend, client or any member of NHHWA whose past, recent or current accomplishments deserve to be recognized.

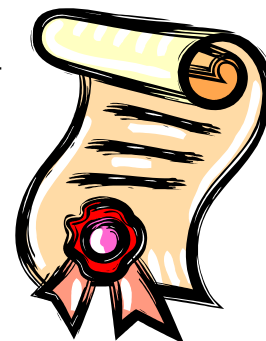
To nominate someone, simply access the NHHWA website (nhhwa.org), fill out the application found under the "About Us" tab, and then e-mail it back to us or send it regular mail. Please include a detailed description of the nominee's accomplishments in the drinking water field.

Nominees can be office, field and plant workers, operators, managers and commissioners, engineers, consultants, sales representatives or other drinking water related folks. To be considered, a nominee must have

been a member in good standing for at least the past year.

Accomplishments may be in the areas of outstanding service to a water utility or the drinking water community, outstanding work in the drinking water industry in general, volunteer efforts, or methods of improving drinking water service.

Please submit nominations to NHHWA no later than September 26, 2014. Nominees will be reviewed by the NHHWA's Board of Directors, the award recipient will be chosen by the Directors, and the award presented at the January joint meeting with NEWWA.



Member News continued...

Director Forbes has a wide variety of experience in the fields of civil and environmental engineering, including the design and management of drinking water, wastewater, stormwater, solid waste and utility systems. He most recently worked at Hoyle, Tanner and Associates, Inc. as an Executive Vice President and Manager of the company's environmental group. He holds a Master's Degree in Business Administration from NH College, a Master's in Civil Environmental Engineering from UNH, and a Bachelor's in Structural Civil Engineering. He is a registered professional engineer in NH, VT, FL, MA, ME and NY.



Construction Day 2014 stop at Nashua's combined sewer overflow facility project.

NHHWA wishes to thank the following companies for their sponsorship of the 2014 Construction Day/Field Trip.

Andrew J. Sharpe, P.E., LLC
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Geosphere Environmental Management, Inc.
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Lewis Engineering, PLLC & Lewis Water Services, LLC
Pennichuck Water Works
Provan & Lorber, Inc.
R.E. Prescott Co., Inc.
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Secondwind Water Systems, Inc.
Smith Pump
Statewide Aquastore, Inc.
Tata & Howard, Inc.
Tighe & Bond
Underwood Engineers, Inc.
Weston & Sampson Engineers, Inc.
Wright-Pierce Engineering

**Thank you for your generosity
and continued support!**

Concord Water Conservation

By Josh Worthen, Water Conservation Technician for the City of Concord

The concept of water conservation in New England seems to take most residents by surprise, since New England has an abundance of large lakes, ponds, and rivers that are used for recreational purposes and sources of municipal drinking water. As the population continues to increase, water resources are strained from our society's norm of immaculate yards, household appliances that use reckless amounts of water, and everyday life. The New Hampshire Department of Environmental Services (NHDES) has been proactive with this issue by requiring people to build conservation programs and to practice leak detection in their infrastructure. The City of Concord was proactive in creating and developing the first Water Conservation Technician position in NH to help NHDES with their mission.

What is a water conservation technician? A Water Conservation Technician for the City of Concord General Services Department is an employee who educates the public on water saving practices, works with the metering and backflow testing crew, the distribution pipeline staff, performs digital leak detection surveys, communicates with the treatment plant on water concerns, and prepares reports and water audits for administration and City Council. The end goal is to promote and implement water conservation practices for the preservation of our water source, Penacook Lake.

Recently, the NH DES Water Conservation Program recommended that the City of Concord become a pro-

motional partner with the U.S. Environmental Protection Agency (EPA) WaterSense Program. Since becoming a partner with WaterSense, the EPA has been providing resources and promotional tools to help the City of Concord convince the public that the water saving devices (WaterSense labeled products) actually work! Other "low-flow" devices have been on the market for years, but often they have performed poorly. The WaterSense program has third party certification on all devices branded as WaterSense labeled products certifying that they perform as well or better than their water wasting counterparts.

In the end, practicing leak detection and promoting water conservation to residential and commercial customers ultimately will conserve water in Penacook



Exeter Breaks Ground on New Treatment Plant

The Town of Exeter held a groundbreaking ceremony for the new Lary Lane Groundwater Treatment Plant on July 10, 2014. Local and state officials, design engineers and contractors were at the Lary Lane site to celebrate the start of construction of the new drinking water treatment plant, associated water mains, and well refurbishment.

This \$6.35 million project, which includes design and construction costs, was approved by voters at the 2012 Exeter Town Meeting after a groundwater withdrawal approval process that started back in 2008. The Town applied for and received a low interest loan with 20% debt forgiveness from the Drinking Water State Revolving Fund administered by the NH Department of Environmental Services.

The new plant will treat 1.5 million gallons of ground-

water per day. Greensand pressure filters with the addition of ferric chloride will reduce iron, manganese and arsenic below drinking water standards. Other treatment processes include pH adjustment, corrosion inhibition and disinfection. Approximately 6,000 linear feet of water transmission mains will also be constructed on Lary Lane, Court Street, Crawford Avenue and Gilman Park.

The treatment plant was designed by the Portsmouth office of Weston & Sampson Engineers, Inc., headquartered in Peabody, MA, and will be constructed by Apex Construction, Inc. of Rochester, NH. The water main portion of the project will be constructed by D & C Construction Co., Inc., of Rockland, Mass.

The new plant is anticipated to be complete and producing drinking water by the fall of 2015.

Thank you to the following for contributing to this newsletter:

Rick Skarinka, NHDES

Jill Lavoie, Merrimack Village District

Josh Worthen, Concord Water Department

Welcome New Members

Support

David Cedarholm, Tighe & Bond

Utility

Abenaki Water Company, Plainville CT

Job Listings on NHWWA Website

As a service to its members, NHWWA is now posting job openings on the NHWWA website. If you have an opening please send information to Sue Kowalski at nhwwa@worldpath.net or if you are looking for a job, click on the *Job Listings* tab on our website; nhwwa.org

New Hampshire Water Works Association

18 North Main Street, Suite 308
Concord, NH 03301
Tel. (603) 415-3959
E-mail: nhwwa@worldpath.net
Website: nhwwa.org

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Editor: Stephen J. Del Deo
Layout, Design & Production:
Susan Kowalski

civil & environmental engineering



25 Vaughan Mall Portsmouth, NH ph 603.436.6192
99 North State Street Concord, NH ph 603.230.9898
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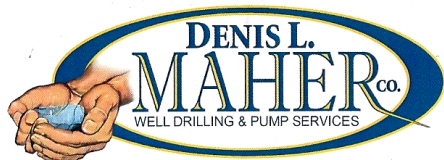
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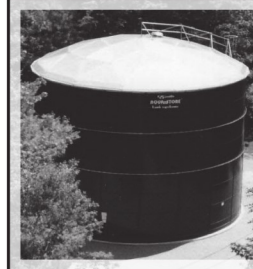
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