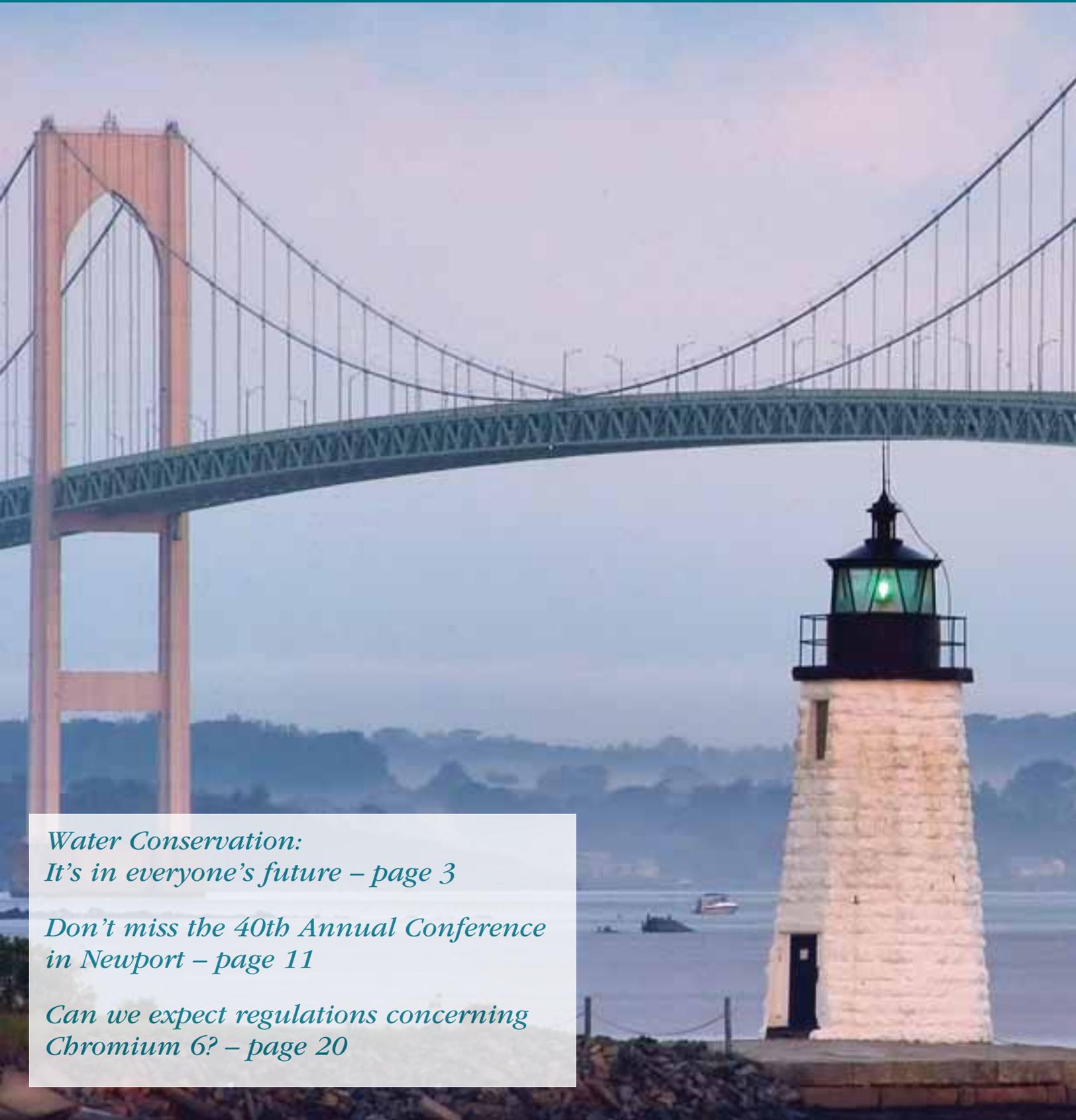


InFlow-Line

The Magazine of the CT Section American Water Works and the Connecticut Water Works Associations



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It's in everyone's future – page 3*

*Don't miss the 40th Annual Conference
in Newport – page 11*

*Can we expect regulations concerning
Chromium 6? – page 20*

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Volume 6 – Number 2

ISSN 1937-7056 (print)

ISSN 1937-7053 (online)

Published four times a year by The Connecticut Section American Water Works and the Connecticut Water Works Associations.

Layout and Art Direction:
Darci D'Aleo of D'Aleo Design

Direct editorial and advertising inquiries to
Bill Large, Editor

InFlow-Line

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On the cover: Goat Island Light in Newport Harbor. The Hyatt Regency Newport on Goat Island is the site of the 40th Annual Joint Conference.

From the CWWA President

Stream Flow Heads for Spring Vote

Although the legislative session has been dominated by battles over the state budget and how to address a \$3.7 billion deficit, water issues sparked some interest at the state Capitol as well.

On February 28, CWWA representatives participated in a "facilitated discussion" with the state Department of Environmental Protection and other stakeholders to try to resolve differences about stream flow regulations. CWWA is working to develop a balanced approach to regulating stream flow that does not jeopardize the amount of water needed for public health, safety, agriculture and economic development.

Given that DEP has indicated that it intends to pursue a phased implementation approach to stream flow, CWWA introduced legislation to try to build in protections for safe yield and margin of safety and address other ongoing concerns. Although opponents of the legislation criticized the bill for trying to restart the clock on stream flow negotiations, the legislation simply tried to address concerns raised by lawmakers when they rejected the regulations last December.

Another bill was introduced which would have expanded the scope of the stream flow regulations to specifically include groundwater withdrawals. Regulating groundwater withdrawals under the proposed stream flow regulations will impose tremendous hardships on communities and industries, such as agriculture and golf courses that rely heavily on groundwater supplies.



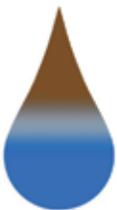
The revised regulations are expected to be resubmitted to the legislature's Regulations Review Committee on April 5. The committee will then vote on them on April 26. At the time this article went to press, we didn't have information on whether the regulations were revised to achieve the necessary balance between protecting aquatic life and providing for other public water supply needs. Watch those e-mails for up-to-the-minute information on this issue!

Other issues before the legislature include:

- Hexavalent Chromium – Requires public water suppliers to test for the presence of Hexavalent Chromium (see related story);
- Recreational Use Liability – Extends liability protections to recreational lands owned by towns, special districts and regional water companies that are currently available to private lands;
- Road Cuts – Imposes burdensome requirements on utilities that perform road excavations to repair infrastructure;
- Shut-offs – Prohibits utilities from terminating service in households with a child under 24 months

As always, we rely on the expertise of our members to craft informed positions on these issues. We look forward to providing members with a legislative wrap-up at the CTAWWA/CWWA Spring Meeting.

Dave Medd, Aquarion Water Company



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Every Drop Counts Promoting Water Conservation

By: Elizabeth Gara
Executive Director, CWWA

As stewards of the state's water resources, Connecticut's public water suppliers recognize the importance of promoting conservation to preserve and protect water supplies to meet the future public health and safety needs of the state. Water companies are also required to incorporate conservation practices in their water supply plans, which must be prepared and submitted to the state Department of Public Health (DPH) on a regular basis. Coupled with the increased use of more water efficient products and appliances, these efforts have been successful in reducing per capita consumption of water in the state as well as reducing unaccounted for water loss.

But a number of issues have sparked discussions about the need to do more to conserve water supplies. Concerns about the adequacy of water supplies in some communities; difficulties in developing new sources of supply; efforts to require water companies to release significant quantities of water into rivers and stream; and public support for reducing energy and water consumption have put a sharp focus on the need to promote greater water conservation.

Reducing Water Loss

In addition to encouraging consumers to conserve water, water companies are getting more aggressive about reducing leaks and replacing infrastructure to reduce water main breaks and water loss within the system. For example, Aquarion Water Company uses dedicated leak detection crews that compare current use in zones to historical use, allowing them to best

direct their efforts to address potential leaks, according to Erik Bernard of Aquarion Water Company.

Brad Kargl of East Lyme Water Department indicated that they recently completed a system-wide leak detection program and are looking to do this on a three-year cycle. It is also investigating a town-wide meter replacement program which would allow meter readings from a fixed-base network to track usage daily and find problems quickly.

Wallingford Public Utilities completed a leak detection survey in 2007 and repaired 7 main leaks, 7 service leaks, 29 hydrant leaks and 1 zone valve leak, according to its Water Conservation Action Plan. They intend to perform another survey in 2012.

East Hampton Water Pollution Control Authority also offers leak detection services which include a report that summarizes projected water savings, implementation cost estimates, and payback period estimates.

Robert Longo of Bristol Water Department noted, "We use meters with visual leak detectors to assist customers in determining if a leak is present. We periodically perform full system leak detection and regularly perform leak detection when inspecting hydrants."

Water Meter Management

Water Meter Management has also been a very effective tool in reducing overall water consumption. In East Hampton, water is presently metered upon withdrawal from each well and all water customers are metered. Water meter testing, calibration, repair, and replacement are also budget priorities.

The South Central Connecticut Regional Water Authority's (RWA) 20-year budget includes plans for



deployment of Advanced Metering Infrastructure and District Metered Areas to enhance their understanding of water usage and ability to adopt programs to assure wise use of water.

Water Audits

According to Vincent Susco of East Hampton Water Pollution Control Authority, water use audits are conducted to evaluate areas in which peak demands can be reduced and to estimate the amount of the reductions. Potential recommendations of a water use audit might include recycling, reuse, process changes, replacement or retrofitting, and other efficiency measures.

Aquarion Water Company also has a very active Conservation Committee that, among other things, has focused on providing commercial/industrial and residential water customers with audit guidance and kits to give the information they need to conserve water. Some utilities, such as RWA are also using the new water audit approach recommended by AWWA its manual M36, "Water Audits and Loss Control Programs". The manual details new methods for measuring water efficiency and for water loss control to assist utilities with identifying the causes and cost of their water loss, and prioritize actions to combat water loss.

Continued on page 4

Every Drop Counts (continued)

Promoting the Use of Water Efficient Appliances & Equipment

Many water companies are also active participants in EPA's Water Sense Program which is aimed at encouraging consumers to use water-efficient appliances and equipment, such as low flow toilets, showerheads and bathroom sinks. State law also establishes efficiency standards for showerheads, faucets, toilets and urinals sold in the state. A number of water companies include information on these products on their website or in customer notices.

Water Pricing & Conservation

Despite these efforts, some lawmakers have suggested that water companies have a disincentive to promote water conservation because their revenues are directly tied to water consumption – and they have a point. How can ratemaking mechanisms

encourage rather than penalize water companies that succeed in reducing water consumption?

Water Pricing is already being used as a water conservation practice by a number of utilities throughout the country. Water pricing strategies may be effective in reducing peak demands due to outdoor or seasonal uses. It may also be effective in reducing long-term average demands. The three typical fee structures for water supply are inclining block structure, uniform structure, and declining block structure.

Because East Hampton operates several small community water systems a Uniform Rate Structure has been deemed to be most effective. Uniform rates are based on the assumption that every unit of water is of equal value. Thus, the unit price of water is constant

“... some lawmakers have suggested that water companies have a disincentive to promote water conservation because their revenues are directly tied to water consumption – and they have a point.”

so that the more water you use, the more you pay. Wallingford Water also uses a uniform rate. East Lyme Water has moved to an inclining block rate structure to promote conservation and provides notices and information on conservation with their billing notices.

CWWA is also talking with lawmakers about options to promote greater water conservation, such as:

- Allowing the Water Infrastructure and Conservation Adjustment mechanism to be used for the installation of meters and equipment to promote water conservation which will allow more timely price signals
- Requiring DPUC to authorize rates and charges for water companies that promote water conservation through various mechanisms
- Supporting programs at the utility level that offer customers incentives, rebates or retrofits for more water efficient fixtures and appliances; and
- Encouraging municipal and regional water authorities, in establishing their rates and charges, to consider measures that promote water conservation.

Working with lawmakers and public officials, Connecticut water companies have made tremendous strides in promoting water conservation. We look forward to building on those efforts to better preserve and protect Connecticut's public water supplies. 💧

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DYK Incorporated and Natgun Corporation Announce Merger

The merger combines two highly-respected prestressed concrete tank builders and creates the ultimate resource for liquid storage tanks in the water, waste-water, chilled water, and environmental industries.

The leaders of DYK and Natgun recognized the opportunity of the merger; to leverage the strengths and resources of both companies to enhance growth of the prestressed concrete tank industry. The joining of DYK and Natgun is an equal 50-50 merger resulting in a debt-free privately held company.

Initially, the two companies will continue to operate under their existing names, DYK and Natgun, as Divisions of the parent company DN Tanks. Importantly, both companies will continue providing quality service to our customers, supporting the design and construction of prestressed concrete tanks.

Why are the two companies merging?

Natgun and DYK are two highly respected companies who design and construct prestressed concrete liquid storage tanks serving the water, waste-water, and environmental industries. There are many similarities between our companies, including company values, strong industry reputations, priority for customer satisfaction, superior quality, and talented employees.

The leaders of Natgun and DYK recognized the opportunities of the merger; to leverage the strengths and resources of both companies providing the best value to our clients. The company leaders also recognized greater long-term opportunities for its employees.

Will Natgun and DYK continue to exist?

Yes, for the immediate future, both companies will continue to operate as divisions of the newly formed DN Tanks. As the integration process evolves, the two will become a single operating company, DN Tanks.

Who will run the new company?

As part of the formation of the parent company DN Tanks, a four member Board of Directors was established. The Board is comprised of two members from Natgun, Charles Crowley and Bill Crowley, and two members from DYK, Bill Hendrickson and Dave Gourley.

Charles Crowley and Bill Hendrickson will serve as Co-CEO's of DN Tanks. Senior Managers from both organizations will be part of the DN Tanks leadership team.

DN Tanks is a true 50/50 merger resulting in a debt-free privately held company.

Will any jobs be eliminated as a result of the merger?

No positions will be eliminated as a result of the merger. The integration process will provide new opportunities for many current DYK and Natgun employees to enhance their careers within the new organization. The merger also positions DN Tanks to attract additional talented professionals within the industry.

What type of tank will DN Tanks construct?

The decision as to what type of prestressed concrete tank is constructed for each project will be driven by customer preference.

DYK and Natgun specialize in AWWA D110, Type I and Type III tanks. Both products are recognized for assured long-term performance.

Continued on page 6

DYK Incorporated and Natgun Corporation Announce Merger (continued)

With the extensive experience brought to the industry by this merger, DN Tanks will be positioned to offer its customers any type of AWWA D110 tank, and ultimately to provide the best value for each project.

Will changes be necessary for projects designed and ready to bid?

No, for most projects, changes should not be necessary and they should proceed to bidding as specified. If a review of project requirements results in a value-engineering suggestion due to the combined resources of Natgun and DYK, we will present appropriate recommendations for consideration, and assist with modifications.

Will DYK and Natgun bid on the same projects?

In certain instances, where alternative types of prestressed concrete tanks are specified, the circumstances may result in bids or proposals from both companies as tank subcontractors.

The two companies will work together, sharing resources to provide the owner the most cost-effective solution and the best value for their storage needs. The formation of DN Tanks will provide enhanced ability to compete with other tank types.

Who will my sales representative be? Will there be any changes?

Initially, your contacts will not change. The same Natgun and DYK sales people will be actively involved with tank projects in their respective areas. As the company integration process continues, some territorial realignment may occur, to provide expanded sales coverage and to better client services.

What geographical areas will the company serve?

As divisions of DN Tanks, DYK and Natgun will continue to promote, and construct prestressed concrete tanks in

the geographic areas of the U.S. currently served by both companies. The company will also continue to develop tank business internationally.

What changes can owners and engineers expect for projects currently under contract?

There will be no changes for any projects currently under contract by either company, in engineering, field personnel, scheduling, or project administration.

Where do I go for information about the companies, the merger and about DN Tanks?

A new website has been created, dntanks.com. At that site, visitors can view the newly released web video which presents and explains the basis for the merger, as well as the vision for DN Tanks. The web site also presents the recent press release as well as these "Frequently Asked Questions." Links to DYK (www.dyk.com) and Natgun (www.natgun.com) are available to access additional information regarding prestressed concrete tanks offered by both companies.

Inquiries are welcomed at either company for additional information. Clients are invited to communicate with their current company contacts at any time.

Telephone or email inquiries can also be made with:

Tom Christie, Vice President-Sales/Natgun

972-823-3300

tchristie@natgun.com

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No-Lead Brass Is In Your Future!

By David L. LeBlanc



tion of "lead free" as

Manufacturers and importers will no longer be able to sell within the United States product that does not meet the new standard.

It is confusing to some that up until now the legal definition of "lead free" referred to the normal water works brass used for over 100 years. That brass by specification C83600 can contain as much as 8% lead but in practice has been a nominal 5%. It is often referred to as "85-5-5-5 (eighty five three five) brass" for the nominal percents of its components – 85% copper and 5% each of lead, tin and zinc. The newer alloys being used by some over the last decade contain much less lead, typically 0.25% and now more commonly 0.1%. These low lead content alloys are commonly referred to as "no-lead" brass though in reality there is always some lead in the alloy. The new lower lead alloys substitute Bismuth and or Selenium for most of the lead.



call no-lead brass. Starting in 2014 the entire country will be required to use a no-lead alloy, or any other material that does not have more than 0.25% lead content. The wording of the new law names pipes, pipe fittings, plumbing fitting and fixtures, which includes water works brass, as well as components used in meter settings such as brass nipples, meter spuds and connectors and service valves. Some of these components are not made from 85-5-5-5 depending on the manufacturer and many are import products.

There are some exceptions included in the text of the new law. The first exception is the items noted in the last paragraph includ-



ing backflow preventers that are used exclusively for nonpotable services such as manufacturing, industrial processing, irrigation, outdoor watering, or any other uses where the water is not anticipated to be used for human consumption. Water meter test benches fall into this category since the water used to test meters is not later used as drinking water. Products that do contact water that are exempt from the 0.25% limit include toilets, bidets, urinals, fill valves, flushometer valves, tub fillers, shower valves, service saddles, or water main gate valves that are 2 inches in diameter or larger. It is interesting to note that both Vermont and Maryland do not exempt service saddles. This exemption in practice applies to brass saddles. Some soil conditions require the use of brass saddles for their anti-corrosion properties but it is not practical to make a tapping saddle from no-lead brass because of the mechanical properties of lower lead alloys. So the California law and the new Federal law allow brass saddles made from 85-5-5-5 to be used and in reality very little of the brass in a saddle contacts water.

What does this mean for municipalities, water districts, water companies and contractors in the future? For the next three years they can conduct business as usual using products they have come to rely on for many decades. At some point the end users will have to start transitioning their inventory from 85-5-5-5 brass to a no-lead alloy. When California and Vermont made the switch in 2010 distributors in those states had to purge their inventory of 85-5-5-5 products. Some even took back unused items from end users in exchange for a no-lead counterpart. They were able to do this because there were 48 other states where it could be sold. This will not be the case in January of 2014. Distributors will no longer have an outlet for the old brass. Most will face the same problem with their own inventory and should start buying only no-lead parts from their manufacturers well in advance of 2014. Everyone should formulate a long-range plan to phase out 85-5-5-5 brass from his or her accepted product specifica-

"Starting in 2014 the entire country will be required to use a no-lead alloy, or any other material that does not have more than 0.25% lead content."

tion and use up as much of that product on hand prior to 2014. Lack of planning will result in unsellable and unusable material sitting on the shelf when the deadline arrives.

As a side note, the scrap value of that old brass will be a lot less than it is today. 85-5-5-5 brass cannot be used to make no-lead brass. The lead content is so high that it cannot be melted and diluted to make the 0.1% alloy. Also, there is no economically feasible way to remove the lead to make the brass acceptable as re-melt feedstock. Since the major brass manufacturers will devote the high percent of their capacity to making no-lead brass there will be little if any demand for 85-5-5-5 scrap at the major suppliers of brass ingot to the waterworks and plumbing manufacturing segments. Right now



the no-lead parts sell for anywhere from 20-45% more than the 85-5-5 counterpart. Major factors that drive the higher price include more expensive raw material, slower machining times due to the mechanical properties and initial tooling costs for casting in the same part in the new alloy. The most common items have already been tooled and are being made in no-lead brass. Items unique to one specifying authority will have to be retooled when that first no-lead order is placed. Those users will see a long than normal lead-time on that first order as opposed to what they have been used to in the past. Even some larger key-style valves will no longer be available, again because the mechanical properties of no-lead brasses make them unpractical for use.

Some cities and towns in New England have already gone to no-lead alloys in anticipation of such a law eventually being enacted. Bangor, ME, Springfield, MA and Cambridge, MA are the three major ones in New England that already require no-lead brass. It is up to each controlling authority and end user to determine how best to plan for the coming change so as to minimize the financial impact on their budget. The waterworks brass manufacturers have all gone through the learning curve and made the investments to increase their output of no-lead brass as the market demands. Keep in mind there are people in 47 states that are pondering how and when to make the change to no-lead brass to beat the deadline. You should at least be considering it as well.



David L. LeBlanc is District Manager for the Ford Meter Box Company. He can be reached at dleblanc@fordmeterbox.com 

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ACE Registration

Registration is now open for the American Water Works Association's (AWWA) 2011 Annual Conference & Exposition (ACE11), June 12-16, in Washington, D.C.

The world's water community will gather at the Walter E. Washington Convention Center to explore the future of safe water, gain insight into cutting-edge research and best practices, and experience the latest products and services available to the water community.

More information at www.awwa.org/ACE11/index.cfm

From the CTAWWA Chair

With all of the recent media coverage of supposed potentially harmful chemicals and elements being found in drinking water these days, it's a wonder anyone still drinks tap water at all. Pharmaceuticals of all sorts are showing up in some supplies, high lead levels are still causing problems for certain communities; perchlorate... rocket fuel, has been detected... yes, rocket fuel! EPA's long-standing fluoride dosage recommendations are now being reconsidered, hexavalent chromium, the chemical made famous by Erin Brockovich (used in metal plating and corrosion inhibitors), is now being found in a number of systems, and the list goes on. I think the fact that people still drink tap water is very telling.

Recent advances in analytical technology have allowed for the detection of many previously undetected drinking water contaminants at concentrations in the parts per billion (ppb) range (1 part per billion is equivalent to approximately 1 sec. in 32 yrs.). As science continues to help us improve the accuracy of drinking water contaminant detection, we will continue to find even more contaminants of concern; and, as time goes on, new chemicals will be produced that may ultimately pollute our water supplies in ways we might not ever imagine (latest count, approximately 30,000 chemicals are used in commerce). In the same way that science has helped us to create our current environmental problems we must also rely upon science to help rid the environment of pollution's potentially damaging effects and help answer one of the most important questions we, as water professionals, will be asked: how does all of this affect my health?



Risk Analysis and the Rats

Risk analysis, the determination of the probability and severity of an undesirable occurrence, has always fascinated me and I can't think of a more complicated

application of risk analysis than trying to assess how drinking water contaminants affect human health. The more I peek behind the "risk analysis" curtain, the more I realize that risk analysis is as much an art as it is a science, and, even at times, just pure educated guessing. I don't know about you, but I am a bit bewildered by epidemiological studies that try to equate the long term chronic health effects of humans consuming trace amounts of chemicals with the short term effects of rats being force-fed excessively high doses of these chemicals. Oh well, so much for biostatistics; the point I am trying to make here is that it is likely that little or none of the health effect information you will ever read is absolute.

"How many rats do you think have given their lives for these "astonishing" scientific breakthroughs?"

Special interest groups develop "science" based studies to promote their cause and the media often chooses to take this information and portray it as fact, even when it is not. After all, what can make news more interesting than a story that evokes widespread panic?

We have all probably seen at least one scientific study that totally contradicts the findings of another. For

example, most of us can remember when scientific studies proved drinking coffee, eating chocolate and drinking alcohol was bad for our health. Well, recent studies show that they all might actually be beneficial for our health if consumed in moderation. How many rats do you think have given their lives for these "astonishing" scientific breakthroughs?

People do rationalize the information they read and hear, and because health effects determinations can and do change over time, I think we are naturally skeptical about health effects information from the start. Further compounding this skepticism is our awareness that the media can also mislead us. Let's face it; there are only so many things any of us can worry about, so our attention needs to go to those things that present the highest and most immediate perceivable threat, like the pit bull living across the street. The reality is that stringent regulatory control and oversight works to ensure the safety of drinking water, the lack of a profit motive for public utilities and tight utility control for private utilities also helps, but most important, I believe water industry professionals ascribe to an unspoken oath to protect public health and the environment above all else. Somehow I think most people get that.

Granted, we don't live in a perfect world, regulations will never be totally comprehensive, regulated utilities will receive drinking water violations, and a portion of the population will continue to drink their water from unregulated private wells (approximately 15% today). There will probably always be an element of risk associated with drinking water somewhere at some time, but, is anything in this world really risk free? I watched a televised news story not too long ago that revealed the dangers of taking a shower and how a fall in the tub could cause serious injury and possibly even death! Did you know you can choke to death on a single kernel of popcorn too? We all need to understand risk from the proper perspective and make our decisions accordingly. I for one will never jump out of an airplane with a parachute on my back.

People's decisions about drinking water risks are probably more complex than other routine risk decisions. In fact, the complexity of drinking water contaminant issues almost forces people to blindly trust or not trust that the water industry is doing the right thing to protect their health. I think the fact that most people still drink tap water says a lot for our industry.

William J. Kennedy
Chair, CTAWWA 2010-2011



CONNECTICUT SECTION AWWA AND CONNECTICUT WATER WORKS ASSOCIATION

40th ANNUAL JOINT CONFERENCE
Wednesday, May 25, 2011 to Friday, May 27, 2011



JOIN US for the 2011 ANNUAL JOINT CONFERENCE as we return to the Hyatt Regency Hotel and Spa, on beautiful Goat Island, Newport, RI.

****** Training Contact Hours (TCH) will be offered for educational credits ****
during the Wednesday and Thursday sessions.**

In today's tough economic times, CTAWWA is doing its part to help companies save money. The conference fees have remained the same and we selected a location that is within 2 hours of New Haven. The conference committee has also negotiated an excellent nightly room price for all conference attendees. We will also be offering TCHs for the technical sessions. Another great reason to attend this year's conference.

The conference will continue to feature a full array of interesting technical sessions, industry updates and conference events that will benefit all attendees, including an AWWA/Section Forum, which will be facilitated by AWWA Vice-President John Donahue. Conference registration begins at 11:00 a.m. on Wednesday, May 25, 2011 followed by a buffet luncheon at 11:30 a.m. As in the past, we are grateful to have the Associates Committee sponsoring the Wednesday luncheon and the keynote speaker.

In this section of *InFlow-Line*, you will find:

- **Conference Agenda:** The Conference Agenda details the times and topics of technical sessions.
- **Conference Registration:** The Conference Registration Form should be completed and returned with the appropriate registration fees by Wednesday, May 4, 2011. Golf and Bocci are available on Thursday afternoon. Please indicate on the registration form if you are interested in participating in either of these activities. Please note, the golf fee includes greens fees, cart, box lunch and prizes and is not refundable.
- **Technical Session Registration:** Registration Form for the Technical Sessions only.
- **Hotel Registration:** The Hotel Registration Form must be completed and returned to the Hyatt Regency Newport, with the appropriate deposit, by Wednesday, May 4, 2011. The Hyatt is also offering online registration. See registration form for details. Breakfast, dinner, taxes and fees are included in the room cost. The number of rooms available are limited and will be available on a first come, first serve basis. Hotel registrations forms must be sent directly to the Hyatt Regency Newport.
- **Sponsorship Opportunities:** Companies are offered the opportunity to sponsor different portions of the conference. From coffee hour to social hour, there are many options to choose from. Please see the attached sponsorship form for details. Completed forms are to be sent to the CTAWWA Treasurer by Wednesday, May 4, 2011 to meet publication deadlines.

CTAWWA accepts all major credit cards and you can register for the conference on-line. Please visit our website www.ctawwa.org for details.

We look forward to seeing you at the Hyatt Regency Newport in May.
2011 Conference Committee

CTAWWA / CWWA
40th Annual Joint Conference

CONFERENCE AGENDA

Wednesday, May 25

Special Note:

Training Contact Hours (TCH) are available for educational credits for the Wednesday Afternoon (3.5* TCH) and Thursday Morning (2.5* TCH) Sessions

11:00 a.m. **Registration**

11:30 a.m. **Luncheon** – Sponsored by the Associates Committee

1:00 p.m. **Luncheon Speaker**
Peter Borden, Executive Director, SVF Foundation

2:00 p.m. **Technical Session Begins**

2:00 p.m. **Welcoming Remarks**
William Kennedy, CTAWWA Chair and Dave Medd, CWWA President

2:15 p.m. **National Update**
John Donahue, Vice-President, AWWA
Marcey Munoz, CTAWWA National Director

2:30 p.m. **CWWA – Regulatory Update**
Betsy Gara, CWWA Executive Director
CWWA Legislative Chairs: Carlene Kulisch, Maureen Westbrook and Guy Russo

3:30 p.m. **Providence Water Proactive Pipe Program - Aqueduct Assessment and Maintenance**
Ian W. Mead, P.E., BCEE Principal, CDM

4:00 p.m. **“What I Wish Somebody Had Told Me Before Selecting New Utility Technology – Best Practices from 3 Water Utility Case Studies”**
John Hoggard, Utility Planning Network

4:30 p.m. **"What is WICA and How Does It Work; The Impact on CWC's Infrastructure Replacement Program."**
Daniel Lesnieski, Connecticut Water Company

5:00 p.m. **Riverbank Filtration Collector Wells Develop 20 MGD Supply**
Henry C. Hunt, Layne Christensen Company

5:30 p.m. **Technical Session Adjourns**

6:30 p.m. **Reception, Dinner and Awards Banquet**

* TCH hours pending approval from CT-DPH
Agenda subject to change

CTAWWA / CWWA *40th Annual Joint Conference*

CONFERENCE AGENDA

Thursday, May 26

- 7:30 a.m. **Breakfast Meeting** – CWWA Board
- 8:00 a.m. **AWWA / Section Forum** – Facilitated by John Donahue, Vice-President, AWWA
- 9:00 a.m. **Technical Session Begins**
- 9:00 a.m. **360 Degree Review of Connecticut Water Leadership**
Kristen Johnson, The Connecticut Water Co
- 9:30 a.m. **Stage 2 Disinfection By-Product Compliance Planning in Mystic CT**
Peter B. Galant, P.E., Tighe & Bond
Gary S. Kaminski, Process Aquarion Water Company
- 10:00 a.m. **The Real Efficiency of Your Pumps – Beyond VFDs**
Jen Muir, P.E., JKMuir, LLC
- 10:30 a.m. **Below Grade Storage Basins – Underground but not Forgotten**
Peter J. Grabowski, P.E., Tighe & Bond, Elizabeth G. Baldwin, P.E., Tighe & Bond
Carlos Cruz, The Metropolitan District
- 11:30 a.m. **Technical Session Adjourns**
- 7:00 p.m. **Reception and Dinner**

Friday, May 27

- 8:00 a.m. **Breakfast Meeting** - CTAWWA / CWWA Boards
- 9:00 a.m. **“National Residential Water Usage Trends, Connecticut Trends, and RWA’s Demand Analysis”**
Ted Norris, South Central Connecticut Regional Water Authority
- 10:00 a.m. **Revenue Protection at Aquarion Water Company**
Jean Dyer, Aquarion Water Company
- 10:45 a.m. **Break**
- 11:00 a.m. **Water for People - Activity Update**
Water for People Committee
- 11:15 a.m. **WFP SMARTS Game**
Len DeJong, Aquarion Water Company of CT
- Noon **Closing Comments and Adjournment**
Jack Keefe, CTAWWA Chair
Ted Norris, CWWA President

FEATURED SPEAKER

John Donahue Vice-President American Water Works Association



John is the General Manager of the North Park (Ill.) Public Water District, a groundwater system with 25,000 customers. He continues to hold water and wastewater operator licenses and advocates for operator involvement.

An AWWA member since 1987, John has been an active member of the Illinois Section for more than 20 years. He was honored in 2009 with the Fuller Award and now represents the Section on the AWWA Board of Directors. He has served as Section chair, vice-chair and district trustee and has chaired the Teleconference, Nominating, and Meter Madness committees. In addition, he has served as a member of the Manufacturers Advisory and Water Utility Councils—participating in the AWWA Fly-In—and of the Bylaws, Fuller Award, and ACE10 Planning Committees.

At the Association level, Donahue is co-vice-chair of the Distribution Plant Operations Division, liaison to the Water Loss Control Committee and member of the ACE10 Technical Program, Distribution System Symposium Planning, and *Opflow* Best Paper Evaluation and Meter Madness committees, as well. Previously, he chaired the Heroism Award Committee and served on the Operator Involvement Committee.

He is past-president of the Kane County Water Association and the Northeast Illinois Association of Water Pollution Control Operators. Donahue also belongs to numerous other professional organizations

John and his wife Debbie reside in Roscoe, Illinois.

WEDNESDAY'S LUNCHEON SPEAKER

Mr. Peter Borden Executive Director, SVF Foundation, Newport

In 1999 Peter Borden was hired as the project manager for Swiss Village, and charged with the mission of restoring thirteen stone buildings while creating a conservation program for North American livestock. Now, 12 years later, Borden is the Executive Director of the Swiss Village Farm Foundation, or SVF Foundation. Collaborating with Tufts' Cummings School of Veterinary Medicine to cryo-preserve germplasm of rare and endangered breeds of livestock, SVF now has over 50,000 samples preserved, and is thought to be the only privately funded semen and embryo cryo-repository for endangered breeds of livestock in the US, or possibly the world. Peter will be speaking about "Preserving Endangered Livestock Species, the story of Newport's SVF Foundation" His talk will detail the Foundation's mission to collect and cryopreserve germplasm, the restoration of one of Newport's historic estates and the narrowing diversity in animal agriculture.



CTAWWA & CWWA 40th Annual Joint Conference

Hyatt Regency Newport
May 25-27, 2011

Full Conference Registration Form

Includes Technical Sessions

Name: _____ Spouse/Guest: _____

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E-Mail: _____ Phone #: _____

**Note: Hotel registration includes overnight accommodations, dinners, breakfasts, taxes and gratuities.
Hotel registrations must be made directly with the hotel using the enclosed form.**

CONFERENCE FEES (Per person): Circle choices

Registration Member (Before May 4, 2011) \$175

Registration Member (After May 4, 2011) \$200

Registration Spouse/Guest \$50

18-Hole Golf Tournament: Circle choices

Price includes greens fee, cart, box lunch and prizes. Please note: Registration fee is NOT refundable.

Golf: Member \$90

Box Lunch Selection (circle one): Roast Beef Turkey Ham

Golf Spouse/Guest \$90

Box Lunch Selection (circle one): Roast Beef Turkey Ham

To arrange for golf teams: Contact Dan Lesniewski at (800) 428-3985 ext. 3078 Fax (860) 669-9326

Bocci Tournament:

Bocci: Member \$10

Bocci: Spouse/Guest \$10

Please note: Lunch is on your own for bocci participants.

TOTAL OF ALL CIRCLED ITEMS _____

Please note: CTAWWA accepts all major credit cards. To make payment by credit card, please fill out the following information and fax to (203) 725-0445. Otherwise a check can be mailed to the address below. To register online with a credit card, please visit our website: www.ctawwa.org

ADVANCED REGISTRATION is required for the conference.

Please return this form with your check payable to: "CTAWWA" and mail to:

CTAWWA
Pam Monahan, Executive Manager
72 Rockland Avenue
Waterbury, CT 06708

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CTAWWA & CWWA 40th Annual Joint Conference

Hyatt Regency Newport
May 25-27, 2011

Registration for Technical Sessions ONLY

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Wednesday Afternoon Technical Session..... \$50

Thursday Morning Technical Session \$50

Both Wednesday Afternoon and Thursday Morning Technical Sessions..... \$100

WEDNESDAY LUNCHEON:

Wednesday Afternoon Luncheon..... \$25

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Please note: CTAWWA accepts all major credit cards. To make payment by credit card, please fill out the following information and fax to (203) 725-0445. Otherwise a check can be mailed to the address below. To register online with a credit card, please visit our website: www.ctawwa.org

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Pam Monahan, Executive Manager
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CTAWWA & CWWA 40th Annual Joint Conference

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May 25-27, 2011

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Your sponsorship will be listed in the Annual Conference Program Booklet, and signboards will be strategically placed during the Annual Conference.

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If the guest room will be shared by more than one person, please include the names of the additional occupants. Check out time is 11:00 AM. Guest rooms are available for check in after 4:00 PM.

Reservations may be guaranteed by a major credit card or advanced deposit. If you do not cancel your reservation seventy-two (72) hours prior to the day of arrival, you will either forfeit your deposit or the first night's room and tax will be charged to your credit card. **BE SURE TO ASK YOUR RESERVATION AGENT FOR A CANCELLATION NUMBER WHEN CANCELING.**

Group Name: CT Section American Waterworks
 Arrival: May 25, 2011 Departure: May 27, 2011

Reservations must be received by: Wednesday, May 4, 2011

Reserve online: <https://resweb.passkey.com/go/ctawwa11>
 (Online rate does not include tax. Tax will be added upon making reservation)

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Water For People

Marks 20 Years of Supporting Access to Safe Drinking Water, Improved Sanitation, and Hygiene Education in Developing Countries



On February 28, 2011, Water For People) marked its 20th anniversary of working to create a world where all people have access to safe drinking water and improved sanitation, and where no one suffers or dies from a water- or sanitation-related disease. In 1991, the American Water Works Association founded Water For People with this vision in mind and now the organization works in 11 developing countries in Asia, Africa, Central America, and South America.

Water For People's unique business-oriented approach and its commitment to providing full coverage for everyone within a region coupled with monitoring and evaluation continue to set it apart from other development organizations. Partnerships with local governments, civil society and institutions, plus the private sector, including emerging entrepreneurs are the hallmarks of Water For

People's work to provide the foundation for communities and municipalities to become self-reliant in providing their own water and sanitation services.

"We are very grateful for the outstanding support that the North American water and wastewater community has given us over the years," said Ned Breslin, Water For People CEO. "Through the passion, dedication, and hard work of Water For People's partners, supporters, and volunteers we have helped transform the lives of hundreds of thousands of people. But this is only a glimpse of what we can achieve in the future. We celebrate this day, but we don't lose sight of our larger goal to continue fostering locally-based partnerships and utilizing innovative solutions so that everyone has access to safe water and sanitation." 💧



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State Lawmakers Seek to Regulate Chromium 6

Many in the water industry are watching what's happening on the federal level relative to the regulation of Hexavalent Chromium, otherwise called Chromium 6. A recent report by the Environmental Working Group focused a lot of attention on this issue.

In addition to what's happening on the federal level, state lawmakers in Connecticut are also weighing in on the debate, introducing a bill to require the state to adopt regulations by January 2012 setting standards and requiring public water systems to test drinking water for the presence of Chromium 6.

Tom Barger of the South Central Connecticut Regional Water Authority (RWA) testified on HB-6401 bill on behalf of CWWA, pointing out that, "Although this proposal is certainly well-intentioned, it is premature to require the state Department of Public Health (DPH) to set standards and require public water systems to test drinking water for the presence of Hexavalent Chromium for a number of reasons. First, the U.S. Environmental Protection Agency (EPA) is in the process of performing a review, in accordance with its rigorous scientific, risk-based protocol, to determine if new standards for Hexavalent Chromium need to be established and, if so, what the appropriate standards should be. Once it determines that the standards should be revised, it must develop approved methods for testing and certify laboratories to use them before the occurrence data can be generated. EPA is not expected to conclude this review prior to January 2012."

"Although this proposal is certainly well-intentioned, it is premature to require the (DPH) to set standards and require public water systems to test drinking water for the presence of Hexavalent Chromium for a number of reasons."

- Tom Barger, South Central Connecticut Regional Water Authority

The recent Environmental Working Group Report which generated a number of news articles indicated that the concentrations of Hexavalent Chromium in water were quite low, less than 1 part per billion. Recognizing that the Environmental Working Group's analyses were not performed using an EPA approved methodology which would have included peer review, quality control and quality assurance protocols relative to sample collection and testing, EPA has concluded that additional work is needed before any requirements are imposed upon public water systems.

RWA's Barger also pointed out that laboratory operators in Connecticut have indicated that they do not currently have the capacity to test for the presence of Hexavalent

Chromium with meaningful results. Monitoring specifically for the presence of Hexavalent Chromium requires certain analytical instrumentation and methodologies which very few laboratories in the country are set up to perform in order to detect the presence of the compound at 0.02 ppb with a reporting limit of 0.06 ppb. EPA is in the process of contacting drinking water laboratories across the country in an effort to further establish national drinking water laboratory capacity.

Is Hexavalent Chromium a public health concern? Although there is no federal standard regarding Hexavalent Chromium in drinking water, public water suppliers, including those in Connecticut, are required to test for total chromium, which includes Hexavalent Chromium, at a level of 100 parts per billion or 0.100 parts per million. According to fact sheet published on DPH's website, there is no record of any Connecticut public water system ever having exceeded the current federal standard for total chromium. As such, "there is no imminent concern regarding the presence of Hexavalent Chromium."

In addition, Connecticut is one of only two states nationwide that preclude the use of water for public water supply that is downstream from a wastewater plant, which ensures that Connecticut's public water supplies are a higher quality source than most other states.

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Connecticut Water Company also submitted testimony regarding the bill, pointing out that it is unnecessary for the state to legislate individual drinking water standards, as called for under HB-6401. In Connecticut, DPH has primacy over public water supplies - the authority to implement the federal Safe Drinking Water Act (SDWA) within Connecticut and must, under current law, adopt standards at least as stringent as U.S. EPA's and make sure water systems meet these standards. When EPA finalizes its rule relative to Hexavalent Chromium, Connecticut's public water suppliers will be required to comply with it without the need for additional legislation.

The Connecticut Conference of Municipalities also raised concerns with the bill, pointing out that the EPA's recommendations are based on a flawed report by the Environmental Working Group. Recognizing that EPA has a defined process in place to determine what should be regulated and how, CCM urged lawmakers to establish a task force to examine this issue before taking further action.

CWWA is meeting with lawmakers on the committee to discuss concerns about moving forward with legislation before these issues are addressed and EPA concludes its review. EPA has a well-defined process for setting the safe level of all

parameters that occur in public drinking water which relies on sound science in the development of both water quality monitoring data and health effects data.

According to CWWA's Executive Director, Elizabeth Gara, "Connecticut's public water suppliers are committed to ensuring the quality and safety of public water supplies and comply with rigorous state and federal laws and regulations which protect the public health and safety of our customers. We will fully comply with EPA's determination relative to monitoring and testing for Chromium 6 but are concerned that it is premature for the state to move forward with legislation at this time." 💧

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mmunoz@themdc.com



Guidelines for Use of Mini-Horizontal Directional Drilling for Placement of HDPE Pipe, including Water Applications

Dr. Lawrence M. Slavin

Introduction

User-friendly guidelines for the placement of high density polyethylene (HDPE) pipe with mini-horizontal directional drilling equipment have recently been developed by the Plastics Pipe Institute (PPI). Technical Report TR-46, "Guidelines for Use of Mini-Horizontal Directional Drilling for Placement of High Density Polyethylene Pipe", represents a comprehensive set of information which is directly applicable to water applications. The new document is intended to provide information analogous to that provided in ASTM F 1962, "Standard Guide for Use of Maxi-Horizontal Directional Drilling for Placement of Polyethylene Pipe or Conduit Under Obstacles, Including River Crossings", but at a level appropriate for the less complex mini-HDD technology and typical project characteristics.

TR-46 reflects the latest industry information, but also includes new information not readily available elsewhere, or in a convenient format, and is readily available to the public via the web-site of the Plastics Pipe Institute at <http://plasticpipe.org/pdf/tr-46-hdd-guidelines.pdf>.

Figures 1 and 2 illustrate typical mini-horizontal directional drilling (mini-HDD) equipment and pilot boring and back-reaming operations, including placement (pullback) of the product pipe, such as for water applications.

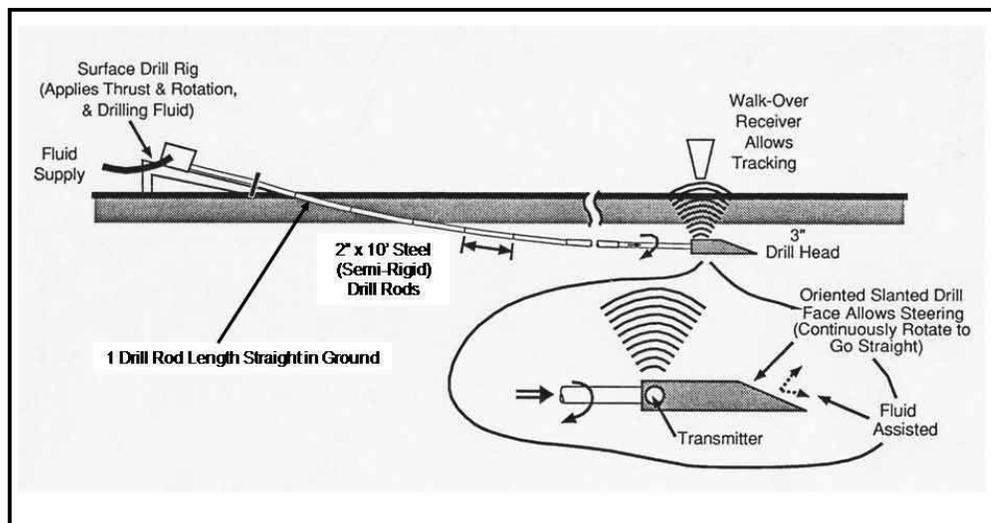


Figure 1 Typical Mini-HDD Equipment and Pilot Boring Process
(Source: Outside Plant Consulting Services, Inc.)

Mini-horizontal directional drilling (mini-HDD) is typically employed for boring segments less than 600 feet in length, at depths up to 15 feet, and placing pipes up to 12 inches diameter. In contrast, maxi-HDD technology is capable of accurately boring holes thousands of feet in length, and placing pipes of 48 inches or greater, at depths up to 200 ft. Maxi-HDD machines may weigh as much as 30 tons, or greater, and is appropriate for placing pipes under large rivers or other major obstacles.

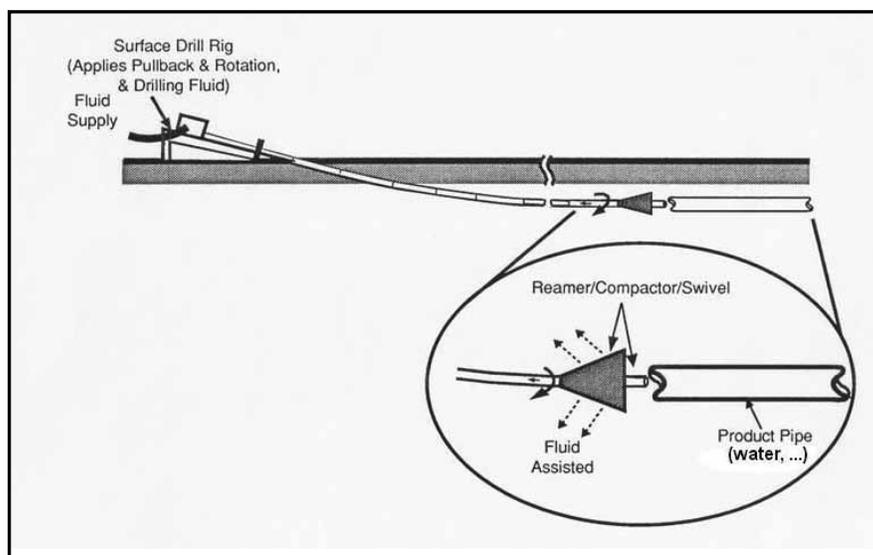


Figure 2 Typical Mini-HDD Back-Reaming and Pipe Pullback Process
(Source: Outside Plant Consulting Services, Inc.)

Description

Technical Report TR-46 contains ten main chapters or sections, as briefly described below, supplemented by several appendices.

Scope, Related Industry Standards and Terminology (Sections 1, 2 and 3)

TR-46 addresses planning, design, drill rig setup, and installation practices for the placement of polyethylene pipe using mini-HDD equipment. The primary focus is on commonly used high density polyethylene (HDPE) pipe with a material designation code of either PE3608 or PE4710. Information is also provided for pipe of medium density polyethylene (MDPE) PE2406/2708 material. Depending on the diameter, polyethylene pipe may be supplied in continuous lengths on a reel or discrete segments which would typically be fused together in the field. In addition to water supply applications, such pipe may be used for conveying various other fluids (natural gas, oil, etc.), as well as conduits for containing utility cables.

Preliminary Site Investigation (Section 4)

The general feasibility of utilizing mini-HDD technology for placing the proposed pipeline(s) must be determined prior to any proposed construction activities. Such a preliminary investigation is required to gain an understanding of the local characteristics in order to help ensure a cost-effective, efficient and, above all, safe operation. Of particular importance, and as addressed in other sections of the guidelines, is the awareness of existing utilities in the vicinity of the proposed pipeline and the need to maintain minimum specified clearances during the construction process.

Safety and Environmental Considerations (Section 5)

Safety is a primary concern, during any activity, including construction utilizing mini-HDD equipment and procedures. Potential safety issues fall into two general categories: (1) those directly related to the setup and operation of the mini-HDD equipment, and (2) those associated with the proper location, identification and marking procedures intended to avoid contacting and damaging existing utilities. Section 5 of TR-46 addresses the first category, providing practices to avoid or minimize equipment-related risks during mini-HDD operations.

Regulations and Damage Prevention (Section 6)

Section 6 of TR-46 addresses the second category of potential safety issues, focusing on procedures to eliminate or reduce hazards associated with damaging existing utilities, including during the initial boring or back-reaming operations. Recommended practices include “call-before-you dig” (811); properly locating and marking existing utilities, as well as exposing such utilities at anticipated crossings with the bore path; avoiding mechanized digging within the required tolerance zone; and the use of Subsurface Utility Engineering.

Pipe Design and Selection Considerations (Section 7)

In comparison to ASTM F 1962, which is generally intended for use by experienced engineers for major maxi-HDD installations, TR-46 contains a convenient calculation method appropriate for persons with various backgrounds, including the operators of mini-HDD equipment and/or the utility engineers. In particular, the procedure presented provides a means of selecting the pipe strength to avoid collapse due to hydrostatic pressure at the desired placement depth, as well as to withstand the required pulling loads during installation.

Bore Path Planning and Drill Rig Setup (Section 8)

TR-46 addresses the planning of the bore path, consistent with meeting the requirements of the project owner, including placement depth, and also provides corresponding drill rig setup information. Figure 3 illustrates a typical mini-HDD bore vertical profile trajectory, including occasional pits along the route, as may be required for pipe splicing, completing lateral connections, or to expose existing utilities. Figure 3 designates certain points along the bore path and their relative distances from the drill rod entry or exit points. These distances are a function of the entry angle and drill rod characteristics (e.g., allowable bend radius), and determine the setup location and space requirements in which to perform and complete the pipe installation.

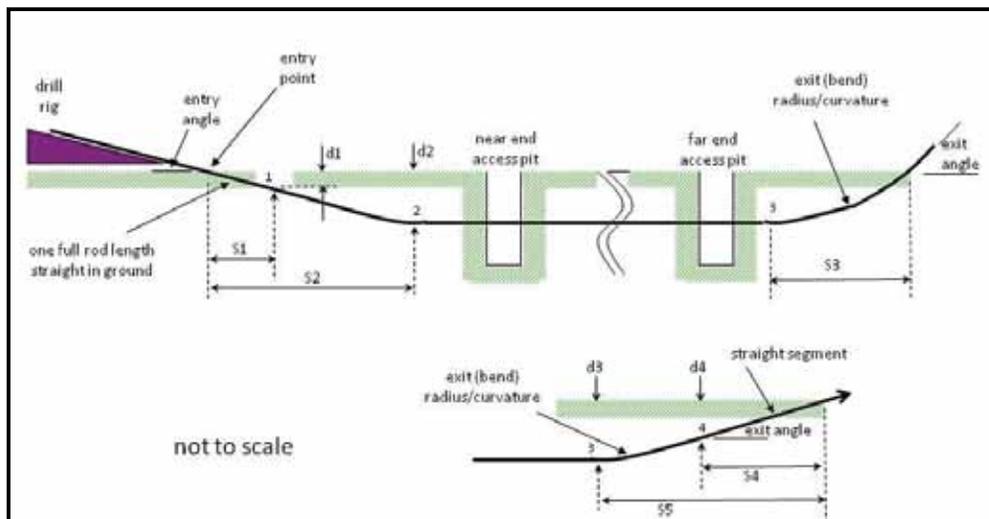


Figure 3 Drill Rig Setup and Related Distances

(Source: Outside Plant Consulting Services, Inc.)

Implementation (Section 9)

It is beyond the scope of the TR-46 guidelines to provide detailed operational procedures for the various mini-HDD and auxiliary equipment, which is generally available from the manufacturers or other sources. However, proper procedures are described for pilot boring, tracking, steering, reaming and pullback operations, as well as pipe handling and connection, record keeping.

Continued on page 24

Guidelines for Use of Mini-Horizontal Directional Drilling for Placement of HDPE Pipe, including Water Applications (continued)

Completion (Section 10)

Following installation of the pipe, it is necessary to confirm the viability of the new facility, provide a permanent record of the actual placement location, and ensure final site cleanup. In particular, the integrity of the pipes should be appropriately verified, depending upon the application, and the owner's specifications. For water applications, any mud or debris that may have entered the pipe must be expelled, and the pipeline flushed, and the system pressurized and checked for leakage.

Appendices (A - F)

The ten main sections outlined above are supported by six appendices which provide examples of the application of the information described in Sections 7 and 8, as well as the theoretical basis for their development.

Although the TR-46 guidelines are primarily described with respect to mini-HDD operations, guidelines for the use of midi-HDD machines and associated practices may be obtained from the present TR-46 document, and/or ASTM F 1962, depending upon the particular application and the judgment of the contractor or engineer.

Dr. Lawrence (Larry) M. Slavin is Principal of Outside Plant Consulting Services, Inc. (OPCS). Until 2001, Larry was Director of the Network Facilities, Components and Energy group at Telcordia Technologies (formerly Bellcore), following a long career at AT&T/Lucent Bell Laboratories in the development of telecommunications distribution technology. He has been instrumental in the development of directional drilling standards, including ASTM F 1962, as well as the development of several ASCE manuals for the trenchless installation of buried pipelines. He can be reached at lslavin@ieee.org



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2011 Connecticut Section AWWA Associates Committee General Scholarship Program

Thanks to the generosity of the Associates Committee and
especially the Section Enhancers

Applications are now being accepted for the CT Section AWWA Associates Committee General Scholarship Program, from CT Section AWWA members or their children/dependents, who have not previously been awarded a CT Section AWWA scholarship. High School seniors and students currently enrolled in an education program beyond the secondary level in a 2 year, 4 year or graduate program are eligible. Student members of CT AWWA are also eligible.

Awards will be based on academic performance, participation in school and community activities, application completeness and autobiographical sketch.

To be considered for this year's award, applications must be received by April 15, 2011.

Applicants must submit a completed application form and the following information:

- **A transcript of your high school record and college record, if applicable**
- **A typed and signed autobiographical sketch highlighting:**
 - Your accomplishments, interests, hobbies, future plans; and**
 - The name of the last book you read, why you read it, and its significance to you.**
- **Identify a person (not a relative) who has most influenced you and explain why.**
- **Identify any special circumstances that you wish to be considered that may distinguish you from other applicants. These may include but are not limited to obstacles you have overcome, academic goals, interests, advancements, financial constraints, etc.**

For an application and additional information, please visit www.ctawwa.org

Completed applications must be returned to:

Associates Committee Scholarship Program
c/o Leonard Assard
Heitkamp, Inc
PO 730
99 Callender Rd
Watertown, CT 06795

**2011 CT Section AWWA
Associates Committee General Scholarship Application**

Personal Data

Name: Last _____ First _____ Middle Initial: _____
 Permanent Home Address: _____
 Phone Number: () _____ Email Address: _____
 CTAWWA Relationship: (Name) _____ Relationship: _____
 Relationship's AWWA member # _____

Academic Data

High School Data

High School: _____ Graduation Year: _____
 City: _____ State: _____
 Class Rank _____ of _____

College Data

Plan to attend: _____ Currently attend: _____
 Type of school: 2 Year 4 Year Graduate Other
 Major: _____ Anticipated Graduation Year: _____

Employment History (past two years)

(1) Name of Employer: _____
 City: _____ State: _____ Type of Job: _____
 Dates of Employment: from _____ to _____ Average no. of hours per week: _____

(2) Name of Employer: _____
 City: _____ State: _____ Type of Job: _____
 Dates of Employment: from _____ to _____ Average no. of hours per week: _____

Extracurricular Activities

School

Describe up to four school activities (clubs, sports, etc.) that are most significant to you that you have participated in during the past two years.

Name of Activity	Leadership Position	Year(s)

Community

Describe up to four community activities (community service, volunteerism, etc.) that are most significant to you that you have participated in during the past two years.

Name of Activity	Year(s)

Academic awards or honors received: _____

Applicant's Signature

Date

In addition to the completed questionnaire, a complete application **MUST** include:

- **A transcript of your high school record and college record, if applicable**
- **A typed and signed autobiographical sketch highlighting:**
 - Your accomplishments, interests, hobbies, future plans; and**
 - The name of the last book you read, why you read it, and its significance to you.**
- **Identify a person (not a relative) who has most influenced you and explain why.**
- **Identify any special circumstances that you wish to be considered that may distinguish you from other applicants. These may include but are not limited to obstacles you have overcome, academic goals, interests, advancements, financial constraints, etc.**

Scholarships may vary in amount and will be awarded to high school seniors or candidates currently enrolled in an educational program beyond the secondary level who are members or children/dependents of **an individual member of the Connecticut Section AWWA**. Students who have received a CT Section AWWA Enhancer Scholarship in a prior year are **NOT** eligible. Awards will be based on academic performance, participation in school and community activities, application completeness and your autobiographical sketch. The scholarship award winners will be announced in May at the section joint annual meeting with the Connecticut Water Works Association.

If there are any questions about the process, please contact Leonard Assard, at 860-274-5468, lassard@eheitkamp.com

To be considered for this year's award, applications must be received by end of business, Friday, April 15, 2011.

BE SURE TO MARK THE ENVELOPE: "Associates Committee General Scholarship Application"

Completed applications **MUST** be directed to:

Associates Committee Scholarship Program
c/o Leonard Assard
Heitkamp, Inc
PO 730
99 Callender Rd
Watertown, CT 06795

2011 Connecticut Section AWWA Associates Committee Waterworks Career Scholarship Program

Thanks to the generosity of the Associates Committee and especially the Section Enhancers up to \$2,000.00 will be awarded to a student pursuing a career in the waterworks field

Applications are now being accepted for the CT Section AWWA Associates Committee Waterworks Career Scholarship Program, from CT Section AWWA members or their children/dependents. Student members of the CT Section AWWA meeting the criteria below are also eligible. This scholarship is open to undergraduate students entering their junior or senior year or graduate students enrolled in an accredited water related program of study.

Awards will be based on academic performance, participation in school and community activities, application completeness and autobiographical sketch.

To be considered for this year's award, applications must be received by April 15, 2011.

Applicants must submit a completed application form and the following information:

- **A transcript of your college record.**
- **A typed and signed autobiographical sketch highlighting:**
 - What piqued your interest in your chosen field,**
 - What you plan to do in the future,**
 - Your accomplishments, interests, hobbies; and**
 - The name of the last book you read, why you read it, and its significance to you.**
- **Identify a person (not a relative) who has most influenced you and explain why.**
- **Identify any special circumstances that you wish to be considered that may distinguish you from other applicants. These may include but are not limited to obstacles you have overcome, academic goals, interests, advancements, financial constraints, etc.**

For an application and additional information, please visit www.ctawwa.org

Completed applications must be returned to:

Associates Committee Scholarship Program
c/o Leonard Assard
Heitkamp, Inc
PO 730
99 Callender Rd
Watertown, CT 06795

**2011 CT Section AWWA
Associates Committee Waterworks Career Scholarship Application**

Personal Data

Name: Last _____ First _____ Middle Initial: _____
 Permanent Home Address: _____
 Phone Number: () _____ Email Address: _____
 CTAWWA Relationship: (Name) _____ Relationship: _____
 Relationship's AWWA member # _____

Academic Data

High School Data

High School: _____ Graduation Year: _____
 City: _____ State: _____
 Class Rank _____ of _____

College Data

Currently attend: _____
 Type of school: 4 Year Graduate Other
 Major: _____ Anticipated Graduation Year: _____

Employment History (past two years)

(1) Name of Employer: _____
 City: _____ State: _____ Type of Job: _____
 Dates of Employment: from _____ to _____ Average no. of hours per week: _____

(2) Name of Employer: _____
 City: _____ State: _____ Type of Job: _____
 Dates of Employment: from _____ to _____ Average no. of hours per week: _____

Extracurricular Activities

School

Describe up to four school activities (clubs, sports, etc.) that are most significant to you that you have participated in during the past two years.

Name of Activity	Leadership Position	Year(s)

Community

Describe up to four community activities (community service, volunteerism, etc.) that are most significant to you that you have participated in during the past two years.

Name of Activity	Year(s)

Academic awards or honors received: _____

Applicant's Signature

Date

In addition to the completed questionnaire, a complete application **MUST** include:

- **A transcript of your college record.**
- **A typed and signed autobiographical sketch highlighting:**
 - What piqued your interest in your chosen field,**
 - What you plan to do in the future,**
 - Your accomplishments, interests, hobbies; and**
 - The name of the last book you read, why you read it, and its significance to you.**
- **Identify a person (not a relative) who has most influenced you and explain why.**
- **Identify any special circumstances that you wish to be considered that may distinguish you from other applicants. These may include but are not limited to obstacles you have overcome, academic goals, interests, advancements, financial constraints, etc.**

Scholarships may vary in amount and will be awarded to college level junior, senior or graduate level candidates currently enrolled in an accredited Civil Engineering or other water related educational program who are members or children/dependents of **an individual member of the Connecticut Section AWWA**. Student members of the CT Section AWWA are also eligible. The scholarship award winners will be announced in May at the section joint annual meeting with the Connecticut Water Works Association.

If there are any questions about the process, please contact Leonard Assard, at 860-274-5468, lassard@eheitkamp.com

To be considered for this year's award, applications must be received by end of business, Friday, April 15, 2011.

BE SURE TO MARK THE ENVELOPE: "Waterworks Career Scholarship Application"

Completed applications **MUST** be directed to:

Associates Committee Scholarship Program
c/o Leonard Assard
Heitkamp, Inc
PO 730
99 Callender Rd
Watertown, CT 06795

COMPLIANCE CORNER



The state Department of Public Health has several items of interest on its website. For more information, go to "What's New" on the Drinking Water Section's website at www.ct.gov/dph.

Revised Guidelines for Disinfection

The Drinking Water Section has updated and revised the Technical Guidelines For Determining Disinfection "CT" When Using Chlorine For Disinfection of Groundwater Sources Of Supply. The revisions focus on updating the definition "CT" and the "first customer" location.

New Guidance Documents Available for Public Water Systems

The Drinking Water Section has finalized two guidance documents – Guidance on the Activation of an Inactive Source of Supply and the Interim Measures Standard Operating Procedure. The Guidance on the Activation of an Inactive Source of Supply outlines the regulatory requirements for getting approval from the Drinking Water Section for the activation of an inactive source of supply. The Interim Measures Standard Operating Procedure establishes standard procedures to be followed when an incident or condition that poses an imminent, substantial or immediate risk to public health occurs or exists. The two documents are listed under the Technical Guidance for Public Water Systems section of the Drinking Water Section website.

Hexavalent Chromium in Drinking Water Fact Sheet

A Hexavalent Chromium in Drinking Water Fact Sheet which summarizes issues raised relative to hexavalent chromium (CrVI) and its detection in public water supplies as reported in the recently published Environmental Working Group report, as well as information recently provided by the US Environmental Protection Agency (EPA). In particular, this fact sheet focuses on what it means for drinking water in Connecticut.

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December, 2010 Holiday Party

(Photos by Kathy Fortin. Photo enhancement by Dave Kuzminski)



Betsy Gara decided to take advantage of the free dockage and arrived by boat.



Not to be outdone, Pam Monahan also arrived in her boat, which was slightly bigger than Betsy's.



The traditional "red tie" holiday photo.



Luncheon is served.

On December 10, CWWA and CTAWWA held its annual holiday party in New Haven. This luncheon is the associations' way of saying thanks to many of the people who contributed their time and expertise during the year.

This year, both associations met at RWA for board meetings in the morning and then regrouped at Sage American Grill, which is located directly on New Haven harbor. The view was spectacular and the food just as good.

Connecticut Section American Water Works Association

164 Water Street
Norwalk, Connecticut 06854
(203) 866-4446

To: Connecticut Section AWWA Members
From: Kathy Fortin, Secretary
Date: March 31, 2011
Subject: Election of Section Officers

Listed below is the proposed 2011-2012 slate of Officers for the Connecticut Section AWWA:

Chair	One Year Term	Jack Keefe
Vice Chair	One Year Term	Ray Baral
Past Chair (a)	One Year Term	Bill Kennedy
Secretary	One Year Term	Kathy Fortin
Treasurer	One Year Term	Kevin Barber
2nd Year Trustee (b)	2nd of a Two Year Term	Steve Melanson
1st Year Trustee	Two Year Term	Fred Rogers
National Director (c)	Three Year Term	Marcey Munoz

(a) Automatic appointment; no vote required

(b) Serving the 2nd of a two-year term; no vote required

(c) Serving the 2nd of a three-year term; no vote required

Article VII and VIII of the Section's By-laws govern the election and nominations process and may be viewed at our web site, www.ctawwa.org (select "About Us" and "Standard Practice Manual"). Any questions may be directed to Kathy Fortin at South Norwalk Electric and Water, 164 Old Boston Road, Wilton, CT 06897, or e-mail to kfortin@snew.org

If no further nominations are received by April 20, 2011, I will cast a ballot for the above slate and issue a notice to the membership via the next available issue of the Section magazine.

Other Board Positions for 2011-2012

Trustee at Large	Tom Loto
Trustee at Large	Steve Rugar
Administrative & Policy Council Chair	Peter Bocciarelli
Associates Council Chair	Mark Anderson
Education & Public Affairs Council Chair	Steve Melanson
Technical & Standards Council Chair	Cindy Gaudino
Water Utility Council Chair	John Herlihy

Officers of the Board have voted to approve the Other Board Positions whose terms shall begin at the annual meeting in May.

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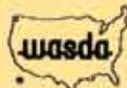
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