LETTER FROM THE CHAIR  By Dennis L. Ciemniecki

Did you notice something different about this issue of Pipeline? AWWA has created a new branding theme which includes an updated logo, wave, and tag line. Your Section Trustees feel it is a fresh and improved look and enthusiastically agreed to begin using it as well. Our new tag line, “Dedicated to New Jersey’s most important resource” reflects the Association’s new strategy to engage the full water use cycle. The organization’s knowledge base and strong reputation on watershed management, treatment, and distribution of potable water will now be leveraged more to include the management and technical challenges in waste water collection, treatment, discharge, and reuse – in essence, the full

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INSTITUTE IN DRINKING WATER TREATMENT

UPCOMING EVENTS

AWWA NJ INVITES YOU TO THE 79TH ANNUAL CONFERENCE
March 18 – 21, 2014
Trump Taj Mahal Hotel & Casino
Atlantic City, NJ

2014 NJ Section Annual Conference Schedule
Trump Taj Mahal, Atlantic City

CLICK HERE TO SEE CONFERENCE SCHEDULE

Water For People Runs 26.2 Miles and Is Already Preparing for Spring
By Michael Johnson

On a cold windy fall day, November 2 to be exact, seven (7) runners for Team Water For People tackled the five (5) Boroughs and participated in the running of the ING NYC Marathon. Each team member fundraised for Water For People and as a result raised over $15,000!

Regulatory Update
Perfluorinated Chemicals as Emerging Drinking Water Contaminants
By Gloria B. Post, Ph.D., D.A.B.T. and Judith B. Louis, Ph.D., NJDEP Office of Science

Perfluorinated chemicals (PFCs) are a group of man-made chemicals with many commercial and industrial applications.

2014 NJ Section Annual Conference Schedule
Trump Taj Mahal, Atlantic City
Letter from the Chair (continued from page 1)

water use cycle. This is both relevant and good for our Section because 54% of our members are involved with both water and wastewater services. Watch for the branding to expand to our published materials, seminars, conferences, and website during 2014.

It is just weeks until the opening day of the Annual Conference! Registration is now open, so if you have not yet signed up, don’t delay. In fact, why not register right after you read this exciting issue of Pipeline! Whether you will be a first time attendee or like so many, “a regular,” the conference offers everything you value: thought leadership; training contact hours; exhibits featuring the latest technology, equipment, services and materials; networking with both peers and regulators; all in an atmosphere of professional development and friendship. This year, there is also a special offer for full conference attendees to save 20% on their registration at ACE14 in Boston. Check out all the details later in this issue.

Whether you will be a first time attendee or like so many, “a regular,” the conference offers everything you value: thought leadership; training contact hours; exhibits featuring the latest technology, equipment, services and materials; networking with both peers and regulators; all in an atmosphere of professional development and friendship. This year, there is also a special offer for full conference attendees to save 20% on their registration at ACE14 in Boston. Check out all the details later in this edition of Pipeline or on the Section website, www.njawwa.org. Kudos and many thanks once again to all the Committee members who work so hard to both organize and deliver a great conference experience. Special thanks to the Committee Chairs / Co-Chairs: Conference – Alex Wells and Julie Puskar; Technical Program – Bill Gettings; Registration – Mike Piemontesi; Manufacturers & Associates – Wally Burdalski and Bob Waldele.

By now, the slate of nominations for Section Officers and Trustees to be elected at the Conference should have arrived by mail. It is great to see so many of our members step forward to volunteer their skills and abilities to lead our Section. During the Business Meeting at the Conference, you will also be asked to vote on proposed changes to the Section’s Bylaws. Briefly summarized, a member working group collaborated throughout much of 2013 to prepare and receive Trustee approval for changes to the Section Officer, Trustee, and Director election process that will standardize our process to identify candidates and, when needed, conduct elections in a way that permits a greater participation by our membership. The Trustees voted to recommend these changes, and with your approval, the revisions will be on the June 2014 agenda for the Association’s Board approval and adoption. Many thanks to Dave Scheibner in leading the working group to thoughtful changes that will improve our Section’s governance.

To help the Section meet your needs, please participate in the upcoming survey seeking more complete information on our membership characteristics. Improved data will help us understand and prepare for the demographic challenge we will face over the coming 10-years as the “baby boomers” retire. Age group and gender data is largely absent from our membership survey responses. Please strongly consider furnishing this in order for the Section’s leadership to have the best, most complete data set possible when assessing strategies to meet your needs in the near future.

On the Legislative front in Washington, DC, our Section wrote letters in November urging select Congressional leaders to support the Water Infrastructure Finance and Improvement Authority (WIFIA) as

House and Senate conferees began work on a final Water Resources Development Act (WRDA). Additionally, Senators Menendez and Booker received letters in December urging them to quickly adopt and pass H.R. 3588, the Community Fire Safety Act, a bipartisan bill approved by the House. The letters (available at https://www.njawwa.org/legislative) pointed out concern that an interpretation of the Reduction of Lead in Drinking Water Act by the U.S. Environmental Protection Agency was inconsistent with Congress’ intent in passing the Lead Act. I am pleased to say the water industry’s support of H.R. 3588 convinced EPA to reverse its interpretation and keep fire hydrants exempt from the lead-free requirements of the Act. Thanks to Steve Specht and the Water Utility Council for their assistance.

Given my term ends in March, this will be my last letter to you as Section Chair. Over the past year, I feel we have advanced on each of the three key themes important to our Section’s future: understanding and planning for changes in our membership demographics, providing events and services most valued by you, and actively gaining and retaining members to grow our Section. For example, our programs continue to change and adapt to meet the needs of our current membership. The Section has retained over 68% of last year’s new members demonstrating that our events, services, and resources are indeed providing value to our growing membership (which increased 0.6% to 1,270 this year). While difficult to measure the impact on any legislative process in Washington, I remain proud to have participated with your support in the public involvement on important issues such as infrastructure financing. The Section has been a resource to various media outlets and provided testimony at various State hearings that all served to increase AWWA NJ’s presence and influence in New Jersey.

Our collective success is due to the dedication and efforts of the entire Board of Trustees; our Section Manager, Mona Cavalcoli; Committee Chairs / Co-Chairs; and all that have worked to serve our membership and mission. In preparing to “pass the gavel”, thank you for the opportunity to serve AWWA NJ and you, its members. Carol Walczyk will succeed me as Section Chair. Know that she is a bright, knowledgeable and a well-organized water industry leader who has my absolute confidence in leading our Section forward. Congratulations, Carol!

Dennis L. Ciemniacki is President of Strategic Performance Consulting, LLC and Chair of the NJ Section.
The Technical Program Committee has been working hard since August to prepare for March’s annual conference, “Delivering Water Efficiency through Innovation.” This year’s technical sessions will focus on forward-looking means to improve management and operations efficiency of water supplies, treatment processes, and pumping. The presentations will also g replacement projects.

Keep an eye out for theme-focused sessions on infrastructure renewal, innovation, energy efficiency, and sustainability. With three concurrent technical sessions on Wednesday and Thursday, annual favorites focusing on treatment, operations, and regulatory issues are not to be missed. If you are looking for operator TCHs, New Jersey PE CPCs or New York PE PDHs, we have you covered.

In an effort to be mindful of issues we face every day whether we are YPs or retired professionals, operators or engineers, vendors or regulators, presentations on safety and ethics round out the program.

We will kick off the technical program with our Pre-conference Workshop titled “The Future of Water” where we will get unique perspectives what’s to come in the areas of water research, technology, finance, communications, and procurement.

One of the Technical Program Committee’s goals is to deliver as much meaningful technical content as possible and maximize our members’ time spent in Atlantic City. With this in mind, the program committee has added a special Design/Build workshop to Tuesday’s agenda that will run concurrently with our Pre-conference Workshop.

**Something New**

In an effort to continue to meet the needs of the Section membership, this year’s Annual Conference will include a new session on Tuesday. In association with the Design Build Institute of America (DBIA), the conference will include an expanded Tuesday program that will focus on alternative project delivery methods that are being implemented both locally and nationally on water and wastewater projects. The program will cover the basics of alternative project delivery, review the legal aspects of execution of projects using design build, and provide some actual experiences from New Jersey utilities on how they have implemented design build on their projects. The session will provide valuable information for utility managers, engineers, operators, and administrative staff.

The Design Build session will start at 10:00 am on Tuesday and will conclude with a roundtable discussion ending at 4:15 pm. A total of 5 TCH credits will be provided for DBIA members. Credits for New Jersey Professional Engineer and Operators licenses have been applied for, and approval is expected.

William S. Gettings, P.E., BCEE, MBA is a Project Director at AECOM and Chair of the Technical Program Committee.
### 2014 NJ Section Annual Conference Schedule (continued)

**Wednesday, March 19, 2014**

<table>
<thead>
<tr>
<th>Time</th>
<th>Session B – Session Master: Ron Von Autenried</th>
<th>Session C – Session Master: Joe Stanley</th>
<th>Session D – Session Master: Bill Hahn</th>
</tr>
</thead>
<tbody>
<tr>
<td>6:00 AM – 7:00 AM</td>
<td>3K Fun Run/Walk on the Boardwalk</td>
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<tr>
<td>8:45 AM – 3:45 PM</td>
<td>Technical Presentations</td>
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<tr>
<td>8:00 AM – 4:00 PM</td>
<td>Exhibits Open</td>
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<tr>
<td>8:00 AM – 5:00 AM</td>
<td>Vendor Lounge Open</td>
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<tr>
<td>8:45 AM – 12:45 PM</td>
<td>Student Poster Session</td>
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<tr>
<td>8:00 AM – 2:30 PM</td>
<td>Speaker Ready Room Open</td>
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</tbody>
</table>

**REGULATORY I**
Location: Tiara B  
PO: Von Autenried  
APO: Capuzzi, Buchwald • 1.5 TCHs

**INFRASTRUCTURE RENEWAL**  
Location: Diamond AB  
PO: Applegate  
APO: Stanley, Dugandzic • 1.5 TCHs

**OPERATIONS I**  
Location: Diamond CD  
PO: Tompeck  
APO: Hahn, Kutzing • 1.5 TCHs

<table>
<thead>
<tr>
<th>Time</th>
<th>Session B – Session Master: Ron Von Autenried</th>
<th>Session C – Session Master: Joe Stanley</th>
<th>Session D – Session Master: Bill Hahn</th>
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</thead>
<tbody>
<tr>
<td>9:15 AM – 9:45 AM</td>
<td>72: Operator Role in Asset Management – Alan Dillon, NJDEP</td>
<td>31: Proactive Approach to PCCP Condition Assessment – Case Study – Eduard Pudlewski, Pure Technologies</td>
<td></td>
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<tr>
<td>10:15 AM – 10:30 AM</td>
<td>Break (Coffee &amp; Soda) • Exhibit Area</td>
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</table>

**REGULATORY II**  
Location: Tiara B  
PO: Capuzzi  
APO: Von Autenried, Buchwald • 1.5 TCHs

**TREATMENT I**  
Location: Diamond AB  
PO: Stanley  
APO: Applegate, Tompeck • 1.5 TCHs

**PIPELINE REHAB.**  
Location: Diamond CD  
PO: Kutzing  
APO: Dugandzic, Hahn • 1.5 TCHs

<table>
<thead>
<tr>
<th>Time</th>
<th>Session B – Session Master: Ron Von Autenried</th>
<th>Session C – Session Master: Joe Stanley</th>
<th>Session D – Session Master: Bill Hahn</th>
</tr>
</thead>
<tbody>
<tr>
<td>10:30 AM – 11:00 AM</td>
<td>74: A Renewed Focus on Inspections at Community Water Systems – Kristen Tedesco, NJDEP</td>
<td>19: Groundwater + Surface Water: The Twain Meet – Michael Simon, Jr. and Alec Miltig, Fl Crew Engineers, Inc.</td>
<td>21: Rehabilitate or Replace, Ten Years of Trenton Water Experience – Michael Alkand and Peter Giammona FI, Hatch Matt MacDonald</td>
</tr>
<tr>
<td>11:00 AM – 11:30 AM</td>
<td>73: What the UCMR3 Data is Telling Us – Sandra Kristzmann, NJDEP</td>
<td>16: Neshaminy Water Treatment Plant Design and Construction – Mark Tompeck, Hatch Matt MacDonald</td>
<td>26: Leak Stabilization of the Delaware Aqueduct – Marc Santon FI, Hazen &amp; Sawyer, PC and Vazyl Kravtsyk FI, NYCDEP</td>
</tr>
<tr>
<td>12:00 NOON – 1:30 PM</td>
<td>Lunch in the Exhibit Area • Grand Ballroom</td>
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</table>

**UV DISINFECTION**  
Location: Tiara B  
PO: Feldman  
APO: Buchwald, Selders • 1.0 TCHs

**RESIDUALS**  
Location: Diamond AB  
PO: Tompeck  
APO: Applegate, Stanley • 1.0 TCHs

**OPERATIONS II**  
Location: Diamond CD  
PO: Frissora  
APO: Von Autenried, Hahn • 1.0 TCHs

<table>
<thead>
<tr>
<th>Time</th>
<th>Session B – Session Master: Ron Von Autenried</th>
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<th>Session D – Session Master: Bill Hahn</th>
</tr>
</thead>
<tbody>
<tr>
<td>1:30 PM – 2:00 PM</td>
<td>49: UV Applications in Groundwater Disinfection – Christopher Groth FI and Chengyu Shen, HDR HydroQual</td>
<td>20: Impact of Backwash Wastewater Treatment on Operation of a 45 MGD Water Treatment Plant – Brian Dougerry, Hatch Matt MacDonald</td>
<td>51: Calcium Hypochlorite: Fact or Fiction? – Kelly Bauer FI and Greg Cormann, Axiall Corporation</td>
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</table>
2014 NJ Section Annual Conference Schedule (continued)

<table>
<thead>
<tr>
<th>Time</th>
<th>Activity</th>
</tr>
</thead>
<tbody>
<tr>
<td>2:30 PM – 2:45 PM</td>
<td>Break (Coffee &amp; Soda) • Exhibit Area</td>
</tr>
<tr>
<td>WATER QUALITY</td>
<td>Location: Tiara B</td>
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<tr>
<td>CONSTRUCTION</td>
<td>Location: Diamond AB</td>
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<tr>
<td>STORAGE I</td>
<td>Location: Diamond CD</td>
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<td></td>
<td>Location: Tiara B</td>
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<tr>
<td></td>
<td>PO: Stanley</td>
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<td></td>
<td>APO: Tompeck, Applegate</td>
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<td>14: Moving a Mountain: the Franklin Lakes Water Storage Tank – Carol Wielczyk, Hatch Most MacDonald</td>
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<td></td>
<td>Location: Diamond AB</td>
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<tr>
<td></td>
<td>PO: Capuzzi</td>
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<td></td>
<td>APO: Frissora, Von Autenried, Capuzzi</td>
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<tr>
<td>3:15 PM – 3:45 PM</td>
<td>68: Enhanced Water Quality Monitoring at Super Bowl XLVIII – John Dykson, United Water</td>
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<td></td>
<td>Location: Tiara B</td>
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<tr>
<td></td>
<td>PO: Capuzzi</td>
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<tr>
<td></td>
<td>APO: Frissora, Von Autenried, Capuzzi</td>
</tr>
<tr>
<td>3:45 PM – 4:00 PM</td>
<td>Break (Coffee &amp; Soda) • Location: Exhibit Area</td>
</tr>
<tr>
<td>4:00 PM – 5:30 PM</td>
<td>Trustees’ Meeting and OPERATORS’ BOWL Organized by Small Systems &amp; Operators Committee • Location: Tiara B</td>
</tr>
<tr>
<td>5:30 PM – 6:30 PM</td>
<td>Students Bowl • Location: Tiara B</td>
</tr>
<tr>
<td>9:00 PM</td>
<td>Hangin at Margaritaville Organized by Membership Services Committee • Location: Margaritaville</td>
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Thursday, March 20, 2014

<table>
<thead>
<tr>
<th>Time</th>
<th>Activity</th>
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<tbody>
<tr>
<td>7:30 AM – 8:30 AM</td>
<td>Interfaith Breakfast</td>
</tr>
<tr>
<td>8:00 AM – 1:30 PM</td>
<td>Registration Open</td>
</tr>
<tr>
<td>8:00 AM – 8:30 AM</td>
<td>Exhibits Open</td>
</tr>
<tr>
<td>8:00 AM – 8:45 AM</td>
<td>Continental Breakfast in the Exhibit Area</td>
</tr>
<tr>
<td>8:00 AM – 2:30 PM</td>
<td>Speaker Ready Room Open</td>
</tr>
<tr>
<td>8:00 AM – 2:00 PM</td>
<td>Vendor Lounge Open</td>
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</table>

Session E – Session Master: Eileen Feldman

<table>
<thead>
<tr>
<th>Topic</th>
<th>Speaker</th>
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</thead>
<tbody>
<tr>
<td>SOCIAL MEDIA</td>
<td>Location: Diamond C</td>
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<tr>
<td></td>
<td>PO: Von Autenried</td>
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<tr>
<td></td>
<td>APO: Von Autenried, Hahn</td>
</tr>
<tr>
<td>8:45 AM – 9:15 AM</td>
<td>1: No Water, No Power, No Media: Just Facebook – Peter Eschbach, NJ American Water</td>
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<td></td>
<td>Location: Diamond AB</td>
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<td></td>
<td>PO: Hutson</td>
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<td></td>
<td>APO: Selders, Dugandzic</td>
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<tr>
<td>9:15 AM – 9:45 AM</td>
<td>76: Big Ideas with Big Impact For Not So Big Utilities – Maureen Duff, American Water and Peter Eschbach, NJ American Water</td>
</tr>
<tr>
<td>9:45 AM – 10:30 AM</td>
<td>Vendor Appreciation Coffee Break - No Food • Exhibit Area</td>
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</tbody>
</table>

Session F – Session Master: Joe Frissora

<table>
<thead>
<tr>
<th>Topic</th>
<th>Speaker</th>
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</thead>
<tbody>
<tr>
<td>INFRASTRUCTURE MGMT</td>
<td>Location: Diamond C</td>
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<td></td>
<td>PO: Fell</td>
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<tr>
<td></td>
<td>APO: Von Autenried, Hahn</td>
</tr>
<tr>
<td>10:30 AM – 11:00 AM</td>
<td>79: Preparing Utilities for Climate Change: EPA’s CREAT 2.0 Software Tool – Daniel D’Agostino FI, U.S. EPA Region 2</td>
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<tr>
<td>SURFACE WATER</td>
<td>Location: Diamond AB</td>
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<td></td>
<td>PO: Clauhs</td>
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<tr>
<td></td>
<td>APO: Selders, Schneider</td>
</tr>
<tr>
<td>11:00 AM – 11:30 AM</td>
<td>52: Built to Last: A review of 10 years of Operation of the Clyde Potts Microfiltration Plant – John Civardi, Hatch Most MacDonald and John Civardi, Hatch Most MacDonald and Paul Kozakiewicz, SMCMUA</td>
</tr>
<tr>
<td>TREATMENT II</td>
<td>Location: Diamond D</td>
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<tr>
<td></td>
<td>PO: Capuzzi</td>
</tr>
<tr>
<td></td>
<td>APO: Frissora, Dugandzic</td>
</tr>
<tr>
<td>11:30 AM – 12:00 NOON</td>
<td>83: Using All Hazard Analyses (J-100) to Assess Risk and Develop a System Resilience Index – Scott Pea and Bob McClelland, American Water</td>
</tr>
<tr>
<td>11:30 AM – 12:00 NOON</td>
<td>84: Eliminating the Ripening Spike and Saving Water – Optimizing Filter Backwash – Jay Jackson, Hazen &amp; Sawyer, PC, and Barry Parsons, City of Greensboro, NC</td>
</tr>
<tr>
<td>12:00 NOON</td>
<td>85: When “Simple” Iron Removal Isn’t Simple – Lindsey Olom and Nicole Wiley, American Water</td>
</tr>
<tr>
<td>12:00 NOON</td>
<td>63: Development of DAF as a Premier Water Treatment Clarification Process – Bill Clunie, AECOM</td>
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### 2014 NJ Section Annual Conference Schedule (continued)

<table>
<thead>
<tr>
<th>Time</th>
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<th>Location</th>
<th>Presenters</th>
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</thead>
<tbody>
<tr>
<td>12:00 NOON</td>
<td>Lunch in the Exhibit Area • Grand Ballroom</td>
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<tr>
<td>12:00 NOON</td>
<td>Past Chairs &amp; Leadership Luncheon (invitation only) • Room (TBD)</td>
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</table>

#### Ethics
- **Location**: Diamond C
- **PO**: Kurzing
- **APO**: Hahn, Hutson • 1.0 TCHs

#### Sustainability
- **Location**: Diamond AB
- **PO**: Stanley
- **APO**: Fissora, Clauhs • 1.0 TCHs

#### Reservoirs
- **Location**: Diamond D
- **PO**: Applegate
- **APO**: Fell, Selders • 1.0 TCHs

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<th>Location</th>
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<tbody>
<tr>
<td>1:30 PM – 2:00 PM</td>
<td>86: Engineering and Ethics: Doing the Right Thing, Every Time – Albert Capuzzi, Jacobs Engineering</td>
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<tr>
<td>1:30 PM – 2:00 PM</td>
<td>48: Climate Change and Water Treatment: Impacts on Design and Operations – William Becker, Hazen &amp; Sawyer, PC</td>
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<tr>
<td>1:30 PM – 2:00 PM</td>
<td>36: Eliminating PVWC’s Uncovered Finished Water Reservoirs – A Tale of Many Obstacles – Richard Gallick and Joseph Bella, PVWC</td>
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<tr>
<td>2:00 PM – 2:30 PM</td>
<td>82: Ethics Considerations for Engineers – Michael Witt, Chasen Leyner &amp; Lamparello, PC</td>
<td></td>
<td></td>
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<tr>
<td>2:00 PM – 2:30 PM</td>
<td>55: As Good as Gold: The Envision™ Infrastructure Rating System and First-Ever Awarded Project – Julie Stein, HDR Engineering Inc.</td>
<td></td>
<td></td>
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<tr>
<td>2:00 PM – 2:30 PM</td>
<td>62: Cyanobacteria in Reservoirs: Causes, Consequences, Controls – Bob Kortmann, Ecosystem Consulting Service</td>
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<tbody>
<tr>
<td>2:30 PM – 2:45 PM</td>
<td>Break</td>
<td>Diamond C</td>
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#### Research
- **Location**: Diamond C
- **PO**: Hamill
- **APO**: Schneider, Hahn • 1.5 TCHs

#### System Evaluation
- **Location**: Diamond AB
- **PO**: Dugandzic
- **APO**: Clauhs, Selders • 1.5 TCHs

#### Energy Efficiency
- **Location**: Diamond D
- **PO**: Fell
- **APO**: Applegate, Stanley • 1.5 TCHs

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<th>Time</th>
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<tbody>
<tr>
<td>2:45 PM – 3:15 PM</td>
<td>40: Optimizing Biofiltration for Improved Treatment Performance and Decreased Operational Costs – Chance Lauderdale, HDR Engineering Inc.</td>
<td>Diamond C</td>
<td></td>
</tr>
<tr>
<td>3:15 PM – 3:45 PM</td>
<td>4: Sustainability of Lower Energy Costs Utilizing Proper Pipeline Materials – Roy Mundy II, McWane Company</td>
<td>Diamond C</td>
<td></td>
</tr>
<tr>
<td>3:45 PM – 4:15 PM</td>
<td>67: Localized Treatment for DBPs Using In Tank Spray Stripping – Harold Reed, American Water</td>
<td>Diamond C</td>
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<tr>
<td>6:00 PM – 10:00 PM</td>
<td>ANNUAL AWARDS RECEPTION, featuring the Section band, “Water Hammer” • Tiara Room</td>
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### The Interfaith Prayer Breakfast

By John Civardi

The twelfth annual prayer breakfast will be held at this year’s Annual Conference. The prayer breakfast will begin at 7:15 am on Thursday March 20. As members of the American Water Works Association, we are dedicated to protecting the lives of citizens through the supply of a safe and uninterrupted water source. Natural phenomena such as hurricanes, droughts, and extremely cold temperatures had a severe impact on the delivery of potable water, and despite our best efforts, we sometimes cannot control the future. These problems have been solved through the efforts of water professionals, and in part through the prayers of dedicated individuals. The events of September 11, 2001, have changed the way water is treated and delivered. We now recognize, more than ever, how fragile life is and how much we need each other.

Prayer breakfasts are regular events for many organizations. The Senate and the House of Representatives each continue to hold their own weekly breakfast to discuss problems, both personal and national, in the spirit of fellowship and prayer. Members of Congress meet in the spirit of peace and faith. All members of Congress are welcome at the breakfast, regardless of their political or religious affiliation. Sincere seekers, as well as the deeply devoted, all on a common journey, gather to try understand the place of faith in their lives and to discover how to love God and one’s fellow man.

The AWWA NJ prayer breakfast is open to people of all faiths. The breakfast will open with a non-denominational prayer thanking God for his blessings and his bounty. We will also ask God to provide our members with the courage and wisdom to continue to protect our environment. A guest speaker, Mr. Michael Barnes, will then share a personal story where his faith has made a difference in his life in the hope that his experience will bring others comfort in their quest for understanding man’s place in the world. Finally, we will provide a forum for people to introduce themselves and share experiences or comments they may have. A continental breakfast outside the gathering area will be provided.

All members and their families are welcome to attend the breakfast. For more information about the breakfast please contact John Civardi at (973) 912-2418 or john.civardi@hatchmmott.com. Additional information will also be available at conference registration desk.

John Civardi is a Vice President at Hatch Mott MacDonald and Chair of the Retired Professionals Committee.
2014 NJ Section Annual Conference
(continued)

Second Annual Water Taste Test Competition

Hosted by the Public Information Committee  By Kathleen Udasco

Once again, the Public Information Committee will hold a water taste test at the AWWA NJ Annual Conference. The taste test will take place on Wednesday, March 19 between 11:00 am to 2:00 pm. Utilities and municipalities are invited to participate to see who has the best tasting water in the State. Last year’s winner was the Township of Livingston, who looks to reclaim their title for another year.

This year’s winner will not only receive the distinguished honor of best tasting water in New Jersey, they will also be invited to participate in the “Best of the Best” water taste test held at the Annual Conference and Exposition (ACE.) The sponsored winner can participate in the national water taste test held at ACE as long as they qualify for and comply with all AWWA taste test criteria. The maximum amount allotted would be $1,200 which would reimburse the winning representative for travel, accommodation, and registration. ACE will be held in Boston this June.

If interested in participating in this year’s contest water taste test, please reach out to Kathleen Udasco at kathleen.udasco@amwater.com.

Kathleen Udasco is a Communications Coordinator at New Jersey American Water and Chair of the Public Information Committee

Exhibit Space for the 79th Annual conference is currently sold out!

If you are interested in exhibit space, please contact Mona Cavalcoli at 866-436-1120 or mona@njawwa.org to be placed on the waiting list.

Currently Registered Exhibitors:

- A.C. Schultes, Inc.
- AP Certified Testing, LLC
- Aqua America, Inc
- Aqua Metrology Systems
- Aqua Smart, Inc
- Aquabotix
- ARKEMA Inc
- Atlantic States
- Avante International Technology
- Ay McDonald
- Badger Meter
- BECK, Harold & Sons, Inc
- Carner Bros
- Carus Corporation
- CIM East Coast, Inc.
- CME Associates
- Coastal Technical Sales Inc.
- Complete Control Services, Inc.
- Coyne Environmental Services
- Delta Cooling Towers, Inc.
- DN Tanks
- Dutchland, Inc
- Dyer Sales
- Eagle Microsystems, Inc
- Envirolutions, LLC
- E.S.R.C. Tanks Inc
- Fisher Tank Company
- Fleet Pump
- Floyd S. Salsor Jr. & Associates
- Fluid Imaging Technologies
- Ford Meter Box Co., Inc.
- G.P. Jager & Associates
- G.P. Jager & Associates Inc./Lonza
- G.P. Jager & Associates Inc./MicrOclor & Tank Shar
- G.P. Jager/H2O Controls, Inc.
- Garden State Laboratories
- GCF, Inc.
- GE Analytical Instruments
- GE Intelligent Platforms
- Geiger Pump and Equipment Co.
- H2M Architects & Engineers
- Hach
- Harper Control Solutions, Inc.
- Harper Haines Fluid Control, Inc.
- HD Supply Waterworks
- Henkels & McCoy, Inc
- Hungerford & Terry Inc.
- J. Fletcher Creamer & Son Inc
- J.T. Seeley & Co. Inc.
- Kershner Environmental Tech, LLC
- Klenzoid, Inc
- Koester Associates
- KTME Associates Inc.
- Layne Christensen Company
- Lowell Corp
- LWC Services
- Maser Consulting
- Montana Construction
- Mueller Company
- Mueller Systems
- Mumford-Bjorkman Associates
- Municipal Maintenance Co.
- National Metering Services, Inc.
- New Jersey American Water
- North East Technical Sales
- P3 Generator Services
- PCS Pump and Process
- Pollardwater
- Preload Inc.
- Primary Flow Signal
- Pyrz Water Supply Co
- QC Laboratories
- Rapid Pump & Meter
- Raritan Group
- Repair Technology
- Rio Supply, Inc
- Riordan Materials Corporation
- Rockwell Automation
- Sanexen Environmental Services
- Shannon Chemical Corporation
- Smith-Blair Inc
- Suburban Consulting Engineers
- T&M Associates
- Tank Industry Consultants
- Underground Solutions, Inc.
- Utilitronics
- Utility Service Company
- Valve Tech Sales
- Van Note-Harvey Associates, PC
- Victaulic
- Water Loss Systems, Inc
- Water Remediation Technology (WRT)
- Waterworks Supply Co. Inc.
- Xylem Water Solutions, USA, Inc.
# 2014 Annual Conference Individual Registration Form

Please complete one form per individual registrant and mail completed form with your payment to the address listed at the bottom of the form.

AWWA Member Number: ________________
NJ Operator License # ________________
Badge Name: __________________________
Full Name: ____________________________
Company/Utility: _______________________
Address: ______________________________
City: __________________ State: _______ Zip Code: ______
Email: ________________________________
Phone: ________________________________ Fax: __________________

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OPTIONAL FEES:
Additional Reception Ticket | $75 | $75 | $75

$50 OFF REGISTRATION IF YOU WORK FOR A:
Utility, Regulatory Agency, Educational Institution, Government Agency, OR
If your company is an AWWA NJ Sponsor.
Does not apply to Student, Retiree 1-Day, or Spouse/Guest registrations
* Full registration includes tickets to Annual Awards Reception on Thursday evening and Section Breakfast on Friday.
** Speakers registering for the full conference (more than 1 day) are required to pay full registration rates.

Additional/Individual meal tickets are available for purchase via this form or on site at the conference.

Payment Information: Select Payment Method below. If paying with credit card, provide card information and sign.

☐ Check Enclosed ☐ Municipal P.O. # ____________________ Credit Card ( VISA ☐ MC ☐ AX ☐ )

Name on Card: ____________________________________________
Credit Card Number: ____________________________ Exp Date __________
Billing Address, including Zip: ____________________________
Signature: ____________________________________________

Complete all information and mail with your payment to AWWA NJ at 38 E Ridgewood Ave, PMB 183, Ridgewood, NJ 07450. No faxes accepted.
Our Strategic Plan  By Joe Stanley

The Strategic Planning Committee has been working very hard to generate a draft Section Strategic Plan that can be circulated to the other committees and Trustees for their collective input. We have looked at the overall organizational structure of the committees and will make recommendations regarding their re-alignment to promote increased interaction, grouping committees by their function.

We are also recommending an increased focus of the various committees on ethics. As an organization, we want to be the preeminent authority of water in NJ. We then have a responsibility to undertake our work in an ethical manner. That is not to suggest that we currently aren't conducting our work utilizing moral principles. However, it is important to reinforce the culture that most of us were raised under, “to do the right thing.” The product of our work touches the lives of millions of people, who put their trust in us every day that the water which comes from their tap is clean and safe.

We also want to make sure that the Section partners with our regulators to promote the public's trust in our drinking water. We propose that various committees can work with these groups for our mutual benefit.

We also want to have committees focus on attracting younger individuals to our industry and to help develop them into true water professionals, whether working as mechanics, operators, customer service representatives, engineers, or managers. It is our responsibility to promote our industry as a place where one can have a long and satisfying career.

To accomplish all of this in the relatively short period of time, our committee has been meeting monthly. I am very fortunate to have members who are willing to work towards our common goal. Please be on the lookout for the draft Strategic Plan as it gets circulated. After all, it is a document that sets the goals for our entire organization. Hopefully, I will see you at the Annual Conference in March and will be willing to answer any questions that you may have as would any other member of our committee.

Joe Stanley is a Vice President at Hatch Mott MacDonald, a Life Member of AWWA, and Chair of the Strategic Planning Committee.
Thank you to the team and a brief recap of their stories which is each unique in its own way:

• **Joe Goodwill, Massachusetts (Time 3:36:49)** – Joe is a former Water For People Committee NJ volunteer. Joe held to his word that he would be our first team member if Water For People did partner with the marathon. Joe is true to his word, ran well, and raised a lot of money. Joe was the top fundraiser and proudly wore his Team Water For People shirt all 26.2 miles. We wish him continued success as he completes his doctorate at the University of Massachusetts.

• **Nona Suarez, Philippines (Time 5:08:11)** – Nona calls herself the turtle because of pace, but she is still a marathoner! Nona knows first-hand the challenges of safe drinking water in developing countries and also her home country of the Philippines. While most after the marathon turned thoughts to recovery and resting, Nona returned home only to the need for relief. While in NYC for the marathon, the eastern side of the Philippines was struck with typhoons. Nona and friends are safe, but others were not so fortunate. If you haven’t done so, please consider helping, relief is still real and needed there. You can help at www.redcross.org.

• **Jenny Guivens, Colorado (Time 4:35:04)** – Jenny lives near the Water For People headquarters and has reached out to the committee in her home state. Jenny celebrated her birthday in style by running for Team Water For People at the NYC marathon. Living in Colorado, she is not used to running on concrete, she runs mostly on trails. She also wasn’t used to running to catch a taxi. It was a unique experience for her and her family and she was proud to be a part of an iconic marathon like NYC and ran the marathon as her warm up for other marathons.

• **Hillary Kelley, New York (Time 3:23:58)** – Hillary says her competitive spirit started early with her dad. Her dad passed away from Creutzfeldt–Jakob disease (CJD) and she continued to run raising money to fight CJD. You can help at http://www.cjdfoundation.org/. This year, she joined Team Water For People to run and says that she might have lost touch with reality in the latter miles, but still managed to beat her brothers time and qualify for the Boston Marathon! While some would disagree, she thought the race was a party and wants a front row seat every year. Her enthusiasm and positive attitude is infectious and helped her to reach her running and fundraising goals.

• **Derek Mackendrick, Canada (Time 4:23:16)** – Derek’s reason for running is a great one; he joined to run the NYC marathon for Team Water For People because his wife was running the marathon and he didn’t want to be left out. He was not left out and met the fundraising goals that will mean that people in developing countries will not be left out of having clean water as well.

• **Peter Radosta, New York (Time 3:49:45)** – Peter was the Water For People marathon veteran and has the most experience running marathons. Peter had obtained entry into the marathon on his own but fundraised for Water For People since he works in the water industry and recognizes the positive impact that Water For People is having. He wanted to say thanks to all of the Water For People team members for their participation in this wonderful event and in supporting a great cause. He also wanted to send a special thanks to Michael Johnson for bringing the team together and providing weekly inspiration in the team’s training. The NYC Marathon is a very special event and he was honored to have been part of the team.

• **Michael Johnson, New Jersey (Time 3:15:01)** – Being a volunteer for the Water For People committee and an avid runner, I had pursued on the behalf of the committee, the possibility of partnering with the marathon for quite some time. Partnering with the marathon has elevated Water For People to a national stage where millions of people can see the work that is needed and that is being done to change this. Every runner/marathoner knows the importance of water during a race. In fact, every runner couldn’t imagine running without it. The message is getting across one step at a time.

Thank you to Jessica Kretch, Carmen Tierno, Sandy Kutzing and the NY Committee for their help in this new venture. Water For People will again partner with the New York Road Runners and be offering spots for runners to participate in the 2014 TCS NYC Marathon (formerly called ING NYC Marathon). If you are interested in running as a team member of Water For People, you can contact Michael Johnson at msj@bsjinc.com. Available spots go quick so don’t delay if you are interested.

It may still be winter but it doesn't stop us from looking ahead to spring. And it is time once again for Water For People to turn its efforts to the American Water Works Association (AWWA) – New Jersey Annual Conference to be held in Atlantic City, NJ on March 18-21, 2014. As in past years, Water For People will be hosting a Drop in the Bucket Auction held during the conference. Vendors donate items that are displayed at the conference and Water For People sells raffle tickets to patrons who can win some great prizes. If you would like to participate and donate an item,
Meet Our Incoming Section Chair, Carol Walczyk  
By Sophia Heng

Carol Walczyk will succeed Dennis Ciemniecki as the next chair of the AWWA NJ Section. Born and raised in New York and a daughter of a former NYCDEP Assistant Commissioner, Carol attended Cooper Union where she graduated with a Bachelor’s degree in Civil Engineering.

Carol has twenty-five years of experience in the water engineering industry specializing in facility permitting and regulatory compliance. Recently, she has been appointed to the position of Vice President within Hatch Mott MacDonald. With her dedication to service and outreach, Carol initiated and oversees Hatch Mott MacDonald’s Corporate Social Responsibility program.

Outside of work, Carol enjoys cooking, hiking, running and spending time with her husband and two children. Occasionally, Carol can be found dancing the fox trot with her husband at social functions!

Sophia Heng is an Engineer at Hatch Mott MacDonald and Chair of the Student Affairs Committee.

Water For People Runs 26.2 Miles and Is Already Preparing for Spring  
(continued from page 10)

whether you attend the conference or not, the only requirements are that the item be worth more than $75 and you notify us by Friday, March 7. If you would like to participate or have additional questions, you can contact Jessica Kretch at kretchja@cdmsmith.com.

To get you into the mood for warmer weather, Water For People will be putting on various events that you can participate or sponsor at. If golf is your thing, then consider attending or sponsoring at the 10th Annual Golf outing to be held May 5 at the Royce Brook Golf Club, Hillsborough, NJ. For attending or sponsoring, you can contact Carmen Tierno at carmen.tierno@amwater.com.

Kick-start your new year’s resolution off by planning to run the sixth annual Run For Water 5K, Manalapan, NJ. The date and time are being confirmed but look for it in the middle of June. If you would like more information about attending or sponsoring, you can contact Michael Johnson at msj@bsjinc.com.

With the football season complete, it can only mean that the baseball season is around the corner. Consider attending or sponsoring at the Trenton Thunder Water For People night on July 25, 2014. For more information about attending or sponsoring, you can contact Nick DeVechcis at nicholas.devecchis@amwater.com.

The Water For People Committee is always looking for new members to assist with planning events. Please contact Michael Johnson if you are interested in joining the committee.

Michael Johnson is an Associate at Buck, Seifert & Jost, Inc. and the Chair of the Water For People Committee.

In Memoriam Paul Denning

Paul Denning, Production Manager for NJ American Water at the Canoe Brook Water Treatment Plant, passed away on January 30, 2014 at the age of 48. Paul started his 20-year water career with Elizabethtown Water as an inspector and was instrumental in the recently completed Canoe Brook Water Treatment Plant project.

Paul was a Marine Corps veteran, having served two tours of duty in Iraq and was still serving as a reservist, where he was actively involved in training. Paul was a volunteer firefighter for the Whitehouse Fire Company for many years and was also a coach for the Readington Baseball League.

Paul is survived by Christine his wife of 20 years, his daughter Marcella, and son Paul Nicholas.
They are of interest as emerging drinking water contaminants because of their frequent detection in drinking water, extreme environmental persistence, and potential health effects. Their structure consists of a totally fluorinated carbon chain of varying length and a charged functional group, such as carboxylic or sulfonic acid (see Figure). Although the eight carbon compounds, perfluorooctanoic acid (PFOA, C8) and perfluorooctane sulfonate (PFOS), were used in the largest amounts and are the most thoroughly studied, current attention focuses on a wider range of PFCs. Several long-chain PFCs (PFOA, PFOS, perfluorononanoic acid [PFNA, C9], and perfluorohexane sulfonate [PFHxS]) are persistent in the human body with half-lives of several years and are found in the blood of virtually all U.S. residents. Shorter chain PFCs and other types of polyfluorinated compounds that are excreted more rapidly and are generally less toxic have been introduced to replace these long-chain PFCs. However, like longer chain PFCs, these replacements also do not degrade in the environment.

Human are exposed to PFCs from many sources including consumer products, food, and drinking water. Unlike other persistent and bioaccumulative organic pollutants (such as dioxins and PCBs) that are not of major concern as drinking water contaminants, PFCs are water-soluble. Even relatively low drinking water concentrations of biologically persistent long-chain PFCs can substantially increase total human exposure. For example, continued exposure to 0.04 ug/L (40 ng/L) PFOA in drinking water results in doubling of the blood serum level (on average), from the general population mean blood serum level of about 4 ug/L to about 8 ug/L (a 100% increase). Human exposure to biologically persistent long-chain PFCs has been associated with numerous health effects in the general population, communities with contaminated drinking water, and/or exposed workers. In experimental animals, PFCs cause liver, developmental, immune, neurobehavioral, hormonal, and metabolic toxicity, with similarities and differences in effects and varying potencies among the individual compounds. Chronic exposure to PFOA and PFOS caused tumors in rodents, and PFOA was described as a likely human carcinogen by the USEPA Science Advisory Board and was linked to two types of cancer in communities with drinking water exposure. The potential for other PFCs to cause tumors has not been studied. PFCs pass from the pregnant mother to the fetus and are present in human breast milk; exposure of infants and children is generally higher than in adults. These exposures before birth and in early life are relevant to potential developmental effects, which are sensitive endpoints for toxicity for some PFCs.

PFCs can reach drinking water from industrial sources via discharge to surface water, migration of a groundwater plume from the industrial site, and by air emission followed by deposition onto the soil at distances of several miles from the source and migration through the soil to groundwater. Other sources include discharges from wastewater treatment plants, release of aqueous firefighting foams containing PFCs at airports, military facilities, and firefighter training sites, and land application of contaminated biosolids (sludge). PFCs can be removed from drinking water by granular activated carbon or reverse osmosis, but are not effectively removed by conventional water treatment processes.

To our knowledge, New Jersey is the only state to have conducted statewide drinking water monitoring studies of PFCs. Raw and/or finished water from 60 NJ public water supplies (PWS) were tested in 2005–13 in two NJDEP studies and additional sampling by public water supplies. PFOA was found in 60% and PFOS in 43% of these PWS (at >0.004-0.005 ug/L; 4-5 ng/L), with maximum levels of 0.28 ug/L (280 ng/L) for PFOA and 0.061 ug/L (61 ng/L) for PFOS. Raw (and finished, in some cases) water from 31 of these PWS was also monitored for eight additional PFCs. Between one and eight PFCs were detected (>5 ng/L) in raw water from 74% of these PWS, at totals of 0.005-0.33 ug/L (5-330 ng/L). Perfluorononanoic acid (PFNA, C9) was found at higher concentrations in New Jersey (up to 0.15 ug/L; 150 ng/L) than in drinking water studies from other locations around the world. Possible sources of PFCs were identified at some sites, but are unknown for others. Nationwide monitoring of finished water for six PFCs is being conducted in 2013–2015 under the USEPA Unregulated Contaminant Monitoring Rule 3 (UCMR3). The UCMR3 Reporting Levels are 0.01-0.09 ug/L (10–90 ng/L), much higher than the Reporting Levels of 2.5-5 ng/L achieved by the commercial laboratories used in the NJDEP studies.

PFCs are currently not regulated in drinking water by USEPA or New Jersey. PFOA and PFOS are on the USEPA Contaminant Candidate List 3 (CCL3) for consideration of possible future regulation. If a decision to regulate is made, adoption of an MCL is at least several years away. New Jersey has developed a guidance level of 0.04 ug/L (40 ng/L) for PFOA intended to be protective for chronic (lifetime) exposure. USEPA has developed Provisional Short-term Health Advisories of 0.4 ug/L (400 ng/L) for PFOA and 0.2 ug/L (200 ng/L) for PFOS intended to be protective of short-term exposures. Future work is needed to develop health-based drinking water levels for individual PFCs, as well as for the mixtures of PFCs found in drinking water.

For more information or copies of the following publications, please contact Gloria Post at gloria.post@dep.state.nj.us.

Resources
Report from the Section Director  By Mark Tompeck

The AWWA Winter Board meeting was held in Austin, TX from January 17 through 19, 2014. It was a great opportunity to get caught up on all of the exciting things that are happening throughout AWWA and the Sections. I would like to share with you a couple of important items that have been on-going at the Association over the last eight months or so.

Strategic Plan

In June 2013, the AWWA Board adopted a new Strategic Plan that has as its vision, “A better world through better water”. A copy of the AWWA Strategic Plan can be found at http://www.awwa.org/about-us/strategic-plan.aspx. The Strategic Plan is simple in form, but contains a comprehensive array of core principles and strategic goals/objectives. One of the more important additions to the strategic vision of the Association is “total water solutions” and the recognition that “water is water”, whether it be typical water supply sources, drinking water, wastewater, reclaimed water, or stormwater. As part of the Organizational Stewardship goal, AWWA will effectively and efficiently use its resources to serve its members and the water community. To achieve this goal, the Association will increase investments not only in the long standing drinking water areas, but also in the area of total water solutions. More often we are seeing applications of indirect and direct potable water reuse and the capture of stormwater for treatment and reuse for a variety of purposes including industrial water supply and irrigation. AWWA will be taking a leadership role in implementing a total water solutions approach in the years ahead, as highlighted in the Associations new tagline, “Dedicated to the world’s most important resource”. As noted in the Chair’s message, the NJ Section has adopted a version of the Association’s tagline as part of our new branding effort, “Dedicated to New Jersey’s most important resource”.

The Core Principles of the Association Strategic Plan include the following:
* Protect Public Health
* Pursue Excellence
* Provide Value
* Safeguard the Environment
* Act with Integrity
* Foster Diversity and Inclusion

I think that you will all agree that the above core principles are well aligned with the way we water professionals (whether we are operators, utility companies, engineers, service providers, equipment manufacturers, or customer service) do our jobs every day and the principles apply to our Section as well. Please take a few minutes to look at the Strategic Plan including the Strategic Goals and Objectives and think about how they align with your job and involvement with AWWA.

Special Presidential Panel (SP2)

The Special Presidential Panel was created by our current Past President Charlie Anderson, when he was President in 2012-13. SP2 identified five focus areas that the Panel would investigate to foster improvement for AWWA and the Sections. The five focus areas include:
* Branding
* Education
* Memberships
* Communications
* Finances

Each of these focus areas has a separate committee (known as Subject Matter Area Committee (SMAC)), that is working on identifying and solving some problems that are intended to improve the relationship between the Association and Sections and add member value. You may be aware that our own Mona Cavalcoci serves as the Chair of the Membership SMAC and has been working hard with her committee to address issues related to the recruitment and retention of AWWA members.

Some of the SP2 Committees are more advanced than others. For example, the NJ Section has already begun to adopt the new branding that has been distributed by the Association and you will begin to see it on all types of documents (including this edition of PipeLine). It is anticipated that a final report including recommendations from each SMAC will be presented to the AWWA Board of Directors at ACE 14 in Boston this June. I look forward to sharing the findings and recommendations of SP2 with all of you in future Pipeline articles.

An AWWA Initiative Brought to the Section

In recent years, AWWA has been partnering with other organizations to bring added value to our membership through joint conferences. The most visible partnership has been with the American Membrane Technology Association (AMTA). For many years, both AWWA and AMTA held separate conferences and several years ago AWWA/AMTA decided to partner on a joint conference. This year’s conference will be held from March 10 through 14 in Las Vegas, NV.

Last year AWWA Executive Director, David LaFrance, was a keynote speaker at the Design Build Institute of America (DBIA) Water-Wastewater conference. The DBIA Water-Wastewater conference focuses on various forms of alternative project delivery that are being applied specifically to the water and wastewater sectors. DBIA has asked AWWA to be an active participant in the DBIA conference and AWWA is currently exploring ways to participate.

In order to bring the AWWA collaboration initiative with DBIA to the NJ Section, a special technical session has been developed for the 2014 Annual Conference with the DBIA Liberty Region. The special session on Alternative Project Delivery will provide attendees with a broad view of significant changes that are taking place in how projects are being delivered. While the number of design build (DB) projects in New Jersey has been relatively small, the DB form of project delivery is growing rapidly. The special technical session will take place on Tuesday at the Annual Conference beginning at 10:00 am and concluding at 4:15 pm (5 TCHs). The session will appeal to a wide cross section of our membership including water system managers, financial, administrative, engineering, operations, and construction professionals. Please refer to Tuesday conference schedule in this issue for a general agenda for the session. The special technical session will be a great learning experience and you are encouraged to attend.

Goodbye to a Colleague

On January 30th, I received an e-mail telling me about the passing of Paul Denning, who worked for NJ American Water. I had the privilege of knowing and working with Paul over the years and was saddened to learn of his passing. My first reaction was that life isn’t fair and only the good die young. Paul exemplified what it meant to work in the water business, a selfless person who gave willingly to others. I met Paul many years ago and was initially struck by his “get it done” attitude. He was not one for excuses on why something couldn’t be done, but instead focused his time and energy on solving problems and making things better. I suppose that type of attitude came from his service to our Country as a US Marine, in which he dedicated many years serving and training others. Those of you who know Paul know that he was a private man who was dedicated to his family. Paul will be greatly missed by all who had the honor of knowing and working with him. My deepest condolences go out to Paul’s family, friends and co-workers at NJ American Water.

Mark Tompeck is a Senior Vice President at Hatch Mott MacDonald, a Life Member of AWWA, and Section Director.
Answers to Last Issue’s “Test Your Water Knowledge” Crossword

Cryptosporidium – A waterborne protozoan that forms cysts and causes acute gastrointestinal illness in humans

Distillation – The process of separating the water from the organic and inorganic contaminants through a combination of evaporation (or vaporization), cooling and condensation

Filter – A device installed as part of the water system through which water flows for the purpose of removing turbidity, taste, color, iron or odor

Check Valve – A valve which will allow water to pass in one direction but will close and prevent flow (backflow) in the opposite direction

Chloramines – Chemical complexes formed from the reaction between ammonia and chlorine being used to disinfect many municipal water supplies

Bacteria – Single-celled organisms which lack well-defined nuclear membranes and other specialized functional cell parts and reproduce by cell division or spores

Aquifer – A natural water-bearing formation which is found below the surface of the earth

Aqueous – Containing water; watery

Hardness – A common quality of water which contains dissolved compounds of calcium and magnesium and sometimes other divalent and trivalent metallic elements

Membrane – A thin sheet or surface film, either natural or man-made of microporous structure that performs as an effluent filter of particles down to the size range of chemical molecules and ions

Oxidizing Agent – A chemical substance that gains electron (is reduced) and brings about the oxidation of other substances in chemical oxidation and reduction (redox) reactions

Ozonation – The process of feeding ozone into a water supply for the purpose of decolorization, deodorization, disinfectant or oxidation

Parts per Billion – A measure proportion by weight which is equivalent to one unit weight of solute (dissolved substance) per billion unit weights of the solution

Retention – Contact time

Slurry – A thin watery mixture of a very fine insoluble substance

Turbidity – The amount of small particles of solid matter suspended in water as measured by the amount of scattering and absorption of light rays caused by the particles

Velocity – The time measurement of linear motion (flow) in a given direction

Water Table – The level of the top of the zone of groundwater saturation

Yield – The amount of product water produced by a water treatment process

Transpiration – The process of plants giving off watery vapor from their leaves and other surfaces

Have an Idea for Research?

Let us know and we will help get it to the Water Research Foundation. Just fill out this short form and e-mail it to the section manager, mona@njawwa.org. A member of the Research and Technical Transfer Committee will contact you for more details.

Name ____________________________________________

Phone Number ________________________________

E-mail Address ________________________________

Issue/Research Idea

________________________________________________________________________

________________________________________________________________________

May someone from the Research and Technical Transfer Committee contact you? □ Yes □ No

Name ____________________________________________

Phone Number ________________________________

E-mail Address ________________________________

Issue/Research Idea

________________________________________________________________________

________________________________________________________________________

May someone from the Research and Technical Transfer Committee contact you? □ Yes □ No
2014 AWWA Individual Application

Section 1 Member Information

☐ Mr.  ☐ Ms.  ☐ Mrs.  ☐ Dr.
Name _____________________________________________________
Title _____________________________________________________
Company Name _____________________________________________
Is your company a member of AWWA?  ☐ Yes  ☐ No
Company Member number (if known) ____________________________
☐ Home  ☐ Business
Address ___________________________________________________
City _______________________________________________________
State/Province________ Zip/Postal code________ Country________
Phone _____________________________________________________
Email _____________________________________________________
Were you referred by an AWWA member?  ☐ Yes  ☐ No
Referring Member ____________________________
Member # (if known) ____________________________

Section 3A Annual Dues

☐ Individual Active $174
An individual, such as a water utility employee, municipal official, public health professional, engineer, scientist, educator, consultant, or other person interested or serving in the field of water supply. (02)

☐ Young Professional $99
A special discount for first-year dues for individuals interested or serving in the field of water supply, who are age 35 or younger, or new to the water industry. (YP2014)

☐ Operations/Administrative $72
An individual employed in any operating or administrative position by a water utility that has 1,000 or fewer service connections or any employee below the supervisory level in a utility that has more than 1,000 service connections. (06)

☐ Student $25
A student enrolled in a minimum of nine credit hours (or the equivalent) of accredited classes. (14)

Signature________________________________________ Date________
By signing this application, you certify that you have selected the appropriate membership category.

Section 2 Payment

Annual Dues—Section 3A $________________________
Section Assessment*—Section 3B $________________________
Additional Section Option*—Section 3C $________________________
Total $________________________

*If applicable

Payment Method
☐ Check enclosed
(make payable to AWWA, US currency only, drawn from a US bank)
☐ American Express  ☐ MasterCard
☐ Discover  ☐ Visa

Card Holder Name ____________________________________________
Card Number __________________________________________________
Expiration Date _______________________________________________

Your membership will be activated when payment is received.

Section 3B Section Assessments

AWWA has 43 local Sections in North America. You are automatically enrolled in a Section based on your address. Some Sections require additional fees to better serve their local members. The Section assessment is required if your address is located in one of the following areas:

<table>
<thead>
<tr>
<th>State/Province</th>
<th>Individual/Operational</th>
<th>Additional</th>
</tr>
</thead>
<tbody>
<tr>
<td>Alaska, Colorado, Minnesota, Missouri, New Mexico, North Carolina, Ontario, Wyoming</td>
<td>$9</td>
<td>$4</td>
</tr>
<tr>
<td>Alberta, Arizona, Illinois, Kentucky, Manitoba, Northwest Territories, Saskatchewan, Tennessee, Texas, Wisconsin</td>
<td>$17</td>
<td>$7</td>
</tr>
<tr>
<td>Florida, Georgia, Indiana, Iowa, South Carolina</td>
<td>$35</td>
<td>$14</td>
</tr>
<tr>
<td>California, Maine, Massachusetts, Nevada, New Hampshire, Rhode Island, Vermont</td>
<td>$70</td>
<td>$29</td>
</tr>
</tbody>
</table>

Section 3C Additional Section Options

In addition to your Section membership, you may join other AWWA sections. There is a $33 multi-section fee, plus the assessment fee for the second section. Please call 1.800.926.7337 for more information.

MORE
Section 4  Tell Us About Yourself

All applicants must complete this section.

What one business activity best describes your company?  
(Please check only one)
- A  Public Water Supply Utility—Municipally Owned
- B  Public Water Supply Utility—Investor Owned
- C  Government—Federal, State, Local
- D  Consulting Firm
- E  Contractor
- F  Private Industrial System or Water Wholesaler
- G  Manufacturer of Equipment & Supplies (including representatives)
- H  Distributor of Equipment & Supplies (including representatives)
- I  Educational Institutions (faculty & students), Libraries and other related organizations
- J  Fully Retired
- K  Research Lab
- L  Other allied to the field (please specify) ________________________

What one category best describes your job title?  
(Please check only one)
- A  Executive (General Manager, Commissioner, Board Member, City Manager, Municipal Superintendent, Mayor, President, Vice President, Owner, Partner, Director, etc.)
- B  Management/Non-Engineering (Division Head, Section Head, Manager, Department Head, Comptroller, etc.)
- C  Design and Engineering/Both Managerial and Non-Managerial (Chief Engineer, Civil, Mechanical, Electrical, Environmental, or Field Engineer, Planning Manager, System Designer, etc.)
- D  Scientific/Non-Managerial (Chemist, Biologist, Biophysicist, Researcher, Analyst, etc.)
- E  Purchasing (Purchasing Agent, Procurement Specialist, Buyer, etc.)
- F  Operations (Foreman, Operator, Maintenance Crewman, Service Representative, etc.)
- G  Marketing & Sales/Non-Managerial (Market Analyst, Marketing Representative, Salesperson, Sales Representative, etc.)
- H  Professorial (Educator, Teacher, etc.)
- L  Other (please specify) ________________________

What one category best describes your field served/principal activity?  
(Please check only one)
- A  Both Water Supply & Wastewater
- B  Water Supply Only
- C  Wastewater Only
- D  Other

What areas of the water and wastewater industry are of current interest to you?  
(Please check all that apply)
- A  Asset Management
- B  Backflow/Cross Connection
- C  Climate Change
- D  Conservation/Efficiency
- E  Customer Service
- F  Desalination
- G  Design/Construction
- H  Distribution/Plant Ops.
- I  Drought
- J  Emergency Preparedness/Security
- K  Groundwater
- L  Laboratory
- M  Membrane Treatment
- N  Public Health
- O  Public Info./Communications
- P  Regulatory Issues
- Q  Reuse
- R  Small Systems
- S  Stormwater
- T  Training/Career Development
- U  Utility Management
- V  Wastewater
- W  Water Loss
- X  Water Quality/Treatment
- Y  Water Research
- Z  Water Resources/Planning
- [  Workforce Strategies
- \  Young Professionals

Dues and Section assessment rates valid through December 31, 2014. Dues are not deductible as charitable contributions for income tax purposes. The following is for USPS periodical mailing requirements only. In some AWWA Sections, a portion of the Section allotment equal to 50% or more of the domestic subscription rate charged for the Section periodical will be allocated toward a subscription to that periodical. Allocation for each publication recipient authorized—Journal—American Water Works Association—$50; Op/flow—$16. Members with APO/FPO addresses will receive e-periodicals only. Print periodicals may be purchased for an additional fee. NOTE: Members’ phone numbers and email addresses are protected under AWWA’s Privacy Policy.
March 1—31, 2014

Women’s HISTORY Month

**Spouse. Colleague. Leader.** AWWA and our members celebrate Women’s History Month. Women’s History Month recognizes the contributions of women who have broken the precast mold of history within our industry and paved the way for women to occupy every possible space within the world of water.

Join us in paying tribute to the many contributions that women have made to our industry, country, and world.
Institute in Drinking Water Treatment
AUGUST 4-6, 2014
Course Location: Hotel Northampton, 36 King Street, Northampton, MA

Registration is now open for the 24th Annual Institute in Drinking Water Treatment.

Course Topics
Regulations, particles, natural organic matter and micropollutants, emerging contaminants, chemical & UV disinfection, coagulation, clarification (sedimentation and dissolved air flotation), activated carbon adsorption, granular media and membrane filtration, desalting membranes, ozonation, advanced oxidation processes, Fe and Mn control, conceptual design principles and applications, and case studies.

The course should be of interest to those dealing with water supply and treatment. It is intended for consulting engineers and scientists; water utility personnel including superintendents, managers, and operators from moderate size and larger utilities; engineers and scientists from state and federal water regulatory agencies; engineers and scientists from industries related to drinking water treatment; and professors who teach water supply and treatment courses.

Faculty
Institute Faculty are professors at UMass-Amherst, all with over 35 years of research, teaching, and professional experience:

David A. Reckhow’s expertise includes natural organic matter, disinfection byproduct control, emerging contaminants, and ozonation.

James K. Edzwald’s expertise includes coagulation, dissolved air flotation, seawater pretreatment for desalination, filtration, removal of TOC and DBP precursors, and control of protozoan pathogens.

John E. Tobiason’s expertise includes particles in water, coagulation, media and membrane filtration, and manganese control.

Registration
Early registration is open until May 15, 2014 at $950; after May 15 the fee is $1150 with deadline of July 15. The registration covers all instructional costs, course notes, continental breakfast, coffee breaks, and an evening reception. Lodging is not included. Payment by credit card may be made online at the Institute website (https://sites.google.com/site/instdwt/) or by check (made out to “Drinking Water Treatment Institute”). For additional information, see the Institute website or contact Professor Reckhow.

Scholarships
Scholarships are available to Assistant Professors and Student and Post-Doctoral researchers. These reduce the registration fee to $500. Contact Professor Reckhow for application forms: dreckhow@gmail.com.
United Water Toms River – Dedication Ceremony and Open House  By Jane Kunka

United Water dedicated its new main office and operations center at 1451 Route 37 West, Suite 2, Toms River with a ribbon cutting ceremony and open house on Tuesday, November 12, 2013.

It is the first time in 100 years that the company moved from its original downtown Toms River location due to significant damage from Hurricane Sandy.

Jane Kunka is the Public Affairs Manager for United Water Toms River and a member of the Water For People Committee.

Helping to Cut the Ribbon Photo (left to right): Maureen Stankowitz, President – Toms River/Ocean County Chamber of Commerce; Jim Mastrokalos, Director of Operations – United Water South Jersey Division; Mary-Anna Holden, Commissioner – NJBPU; Bertrand Camus, CEO – United Water and SUEZ ENVIRONNEMENT North America; Thomas Kelaher, Mayor – Township of Toms River; David Stanton, President – United Water Regulated Services; John Hollenbach, Vice President and General Manager – United Water Mid-Atlantic Region

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Deadline: May 30, 2014

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