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# **President's Welcome**



It is my pleasure to welcome you to Palm Springs and the AWT 2019 Annual Convention & Exposition. What I enjoy so much about the convention is getting to spend three days with experts in our industry. Over the next few days, we can attend educational workshops and technical sessions presented by distinguished professionals and discuss the latest research with prominent industry leaders at the learning lounges. And who knows who you'll bump into at the commercial corners, in the

elevator, or just waiting in line for coffee. You can look forward to an invigorating convention over the next few days.

While you are here, be sure to take advantage of all that the convention has to offer. This year's program is an exciting combination of advances in technology, research, and business. Also, visit the record number of exhibitors this year, and tap into the latest resources at the exposition to gain the insight necessary to grow your business. Lastly, don't miss the Annual Awards Dinner, where we can celebrate our industry leaders.

On behalf of AWT's board of directors, welcome to AWT's 2019 Annual Convention & Exposition!

David Wagenfuhr AWT President



# **Mayor's Welcome**



# City of Palm Springs

Office of the City Council Mayor Robert Moon • Mayor Pro Tem Geoff Kors I.R. Roberts • Lisa Middleton • Christy Holstege 3200 E. Tahquitz Canyon Way • Palm Springs, California 92262 Tel: 760.323.8200 • Fax: 760.323.8207 • TDD 760.864.9527 • www.palmspringsca.gov

September 2019

On behalf of the city of Palm Springs, we are pleased to welcome you back for the 2019 AWT Annual Convention, September 11-14, 2019. The Palm Springs Convention Center and the Renaissance Palm Springs are both excited to host you!

We are thrilled that Palm Springs was chosen again for your Annual Convention, and just as your conference attendance has grown over the past seven years, so has Palm Springs. We invite you to explore and experience our city while you are here. You will find it is a beautiful and culturally rich community with thriving retail areas, an abundance of restaurants, and attractive public spaces. We are confident you will find the city of Palm Springs "Like No Place Else!"

Congratulations to all who planned this impressive convention, and thanks to all of you for your commitment to the water treatment industry. Best wishes for a great event and for success in the coming year.

Sincerely,

Robert Moon, Mayor

Geoff Roma

Geoff Kors, Mayor Pro Tem

Lisa Middleton, Council Member

ChotyHold -

Christy Holstege, Council Member

J.R. Roberts, Council Member

Post Office Box 2743 • Palm Springs, California 92263-2743



# **AWT Board of Directors**

President David Waaenfuhr Water Engineering, Inc., Mead, NE

President-Elect Thomas F. Brandvold, CWT Premier Water & Energy Technology, Inc. Jacksonville, FL

Secretary Michael L. Bourgeois, CWT Chemco Products Company, Paramount, CA

Treasurer Matt Jensen, CWT Watertech of America, Inc., Greenfield, WI

Immediate Past President Marc Vermeulen, M.Sc., CWT Hawkstone Solutions, Carvel, AB, Canada

# **AWT Committees**

**Business Resources Committee** Mike Standish Radical Polymers, Chattanooga, TN

**Bylaws/Nominations/Policies Committee** Michael L. Bourgeois, CWT Chemco Products Company, Paramount, CA

**Certification Committee** James McDonald, PE, CWT Chem-Aqua, Inc., Irving, TX

**Charity Task Force** Michelle Farmerie GLA Water Consultants, Inc., Moon Township, PA

**Convention Committee** Thomas F. Brandvold, CWT Premier Water & Energy Technology, Inc. Jacksonville, FL

**Education Committee** Bruce T. Ketrick Sr., CWT Guardian CSC, York, PA

Online Training Module Curriculum Task Force Casey Walton, B.ChE., CWT Walton Technologies LLC, Monmouth, ME

**Online Training Module Design Task Force** Pam Simmons ProMinent Fluid Controls, Inc., Dallas, TX

Legionella Task Force Andy Weas, CWT Weas Engineering, Inc., Westfield, IN

Legislative and Regulatory Committee Michael Highum, CPCU McGowan Insurance Group, Inc., Indianapolis, IN

Membership Task Force Marc Vermeulen, M.Sc., CWT Hawkstone Solutions, Carvel, AB, Canada Directors

Stephen C. Hallier, CWT WET Solutions, Inc., Schaumburg, IL

Stephanie Keck, CWT International Chemtex Corp., Lakeview, MN

Andy C. Kruck, CWT Bluegrass Kesco, Inc., Hermitage, TN

**Bonnee Randall** Water Tech Specialties, Inc., Fremont, CA

**Ex-Officio Supplier Representative** Garret S. Garcia Masters Company, Inc., Wood Dale, IL

Standards Task Force Jav Farmerie, CWT

GLA Water Consultants, Inc., Moon Township, PA STEM Task Force Brian Katarski AquaPhoenix Scientific, Inc., Hanover, PA

Supplier Task Force Garret S. Garcia Masters Company, Inc., Wood Dale, IL

**Technical Committee** Allan R. Bassett, CWT Bassett Air Quality, Inc., South Milwaukee, WI

**Boiler Subcommittee** Jerry Anaelilli Chem-Aqua, Inc., Irving, TX

**Cooling Subcommittee** John D. Caloritis, CWT The Metro Group, Inc., Rochester, NY

Pretreatment Subcommittee Thomas J. Tinney Lakewood Instruments LLC, Milwaukee, WI

**Special Projects Subcommittee** Garrett S. Garcia Masters Company, Inc., Wood Dale, IL

Wastewater Subcommittee Kevin R. Cope Brenntag North America, Pittsburgh, PA

Young Professionals Task Force Allison Bond Premier Water & Energy Technology, Jacksonville, FL

AWT would like to thank the committee peer reviewers for their diligent efforts during the AWT convention paper review process.



# **AWT Past Presidents**

2018 – Marc Vermeulen, M.Sc., CWT 2017 – Bruce T. Ketrick Jr., CWT 2016 – Bernadette Combs, CWT, LEED AP 2015 – Brian Jutzi, CWT 2014 – Casey Walton, B.ChE., CWT 2013 – Mark T. Lewis, CWT 2012 – Mark R. Juhl 2011 – R. Trace Blackmore, CWT, LEED AP 2010 – Robert D. Lee, CWT 2009 – Scott W. Olson, CWT 2008 – Matt Copthorne, CWT 2007 – Charles D. Hamrick Jr., CWT 2006 – Jay Farmerie, CWT 2005 – Steven MacCarthy, CWT 2004 – Bruce T. Ketrick Sr., CWT

2003 - William E. Pearson II, CWT

# AWT Award Winners

Founder's Award Recipients 2015 – D.C. "Chuck" Brandvold, CWT, Emeritus

# Ray Baum Memorial Water Technologist of the Year Recipients

2018 - Chris D. Golden, CWT 2017 - Robert J. Ferguson 2016 – Jack R. Walker, CWT 2015 – James Scott, CWT 2014 - Allan R. Bassett, CWT 2013 - James McDonald, PE, CWT 2012 – Joseph M. Hannigan, CWT 2011 - Cindy M. Mitchell, CWT 2010 - Jack Soost, CWT 2009 – Jay Farmerie, CWT 2008 – Jim Lukanich, CWT 2007 - Richard L. Tassone 2006 - Bruce T. Ketrick Sr., CWT 2005 - William E. Pearson II, CWT 2004 – Colin Frayne, CWT 2003 – Richard T. Blake, CWT 2002 - Zahid Amjad, Ph.D. 2001 - Bennett Boffardi, Ph.D. 2000 – Arthur J. Freedman, Ph.D.

1999 – Janet E. Stout, Ph.D.

2002 – Anthony J. McNamara, CWT 2001 - James Mulloy 2000 - Alfred J. Nickels 1999 – James R. Datesh 1998 - Larry A. Webb 1997 – Joseph M. Hannigan, CWT 1996 - Brent W. Chettle, CWT, Emeritus 1995 – Jack Altschuler 1994 – John J. Baum, CWT 1993 – William C. "Bill" Smith 1992 - Dennis Clayton 1991 - John E. Davies 1990 - Gary Glenna 1989 – Ron Knestaut 1987-88 - D.C. "Chuck" Brandvold, CWT, Emeritus

1998 – Brent W. Chettle, CWT, Emeritus 1997 – Jessie Jefferies 1996 – John J. Baum, CWT 1995 – E.J. Caruso 1994 – Dennis Clayton 1993 – Ronald Knestaut 1992 – Robert R. Cavano 1991 – D.C. "Chuck" Brandvold, CWT, Emeritus

#### Supplier of the Year Recipients

2018 - Radical Polymers
2017 - McGowan Insurance Group
2016 - QualiChem, Inc.
2015 - Scranton Associates Inc.
2014 - Masters Company, Inc.
2013 - Taylor Technologies, Inc.
2012 - French Creek Software, Inc.
2011 - Lakewood Instruments LLC
2010 - AquaPhoenix Scientific Inc.
2009 - AMSA, Inc.
2008 - Houghton Chemical Corporation
2007 - WaterColor Management
2006 - Advantage Controls, Inc.
2005 - ZIBEX, Inc.



# **Event Locations**

## CC=Palm Springs Convention Center All other events will be held at the Renaissance Palm Springs Hotel.

| AWT Exhibit Hall (Lunches and Receptions) | CC—Oasis 1–3                                |
|---|---|
| Registration                              | Renaissance Ballroom Foyer                  |
| AWT Bookstore and Chillers Lounge         | CC—Oasis 1–3, Booth #323                    |
| Commercial Corners                        | Sierra, Ventura, and Mojave Learning Center |
| Continental Breakfast                     | Renaissance Ballroom Foyer/Terrace          |
| Executive Portrait Lounge                 | CC—Oasis 1–3, Booth #425                    |
| Breakfast With the Board (Saturday)       | Renaissance Ballroom Terrace                |

## **Educational Programs**

| General Session           |   |
|---------------------------|---|
| Track Sessions            | . Pasadena/Madera, Catalina, Mojave Learning Center |
| Technical Learning Lounge | Mojave Learning Center                              |

## Technical Subcommittees (Wednesday)

| Boiler Subcommittee           | Chino A  |
|-------------------------------|----------|
| Cooling Subcommittee          | Sierra   |
| Pretreatment Subcommittee     | Chino B  |
| Special Projects Subcommittee | Pueblo A |
| Wastewater Subcommittee       | Andreas  |
|                               |          |

## Committees (Friday)

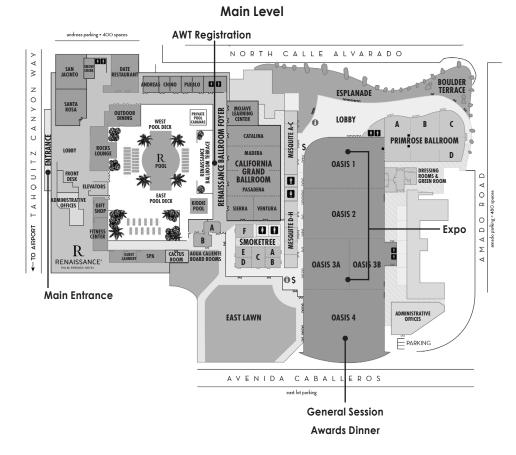
| Business Resources Committee     | Snow Creek Boardroom |
|----------------------------------|----------------------|
| Certification Committee          | Andreas              |
| Charity Task Force               | Chino A              |
| Convention Committee             | Chino B              |
| Education Committee              | Santa Rosa           |
| Legislative/Regulatory Committee | Pueblo A             |
| Technical Committee              | San Jacinto          |
| Young Professionals Task Force   | Pueblo B             |
|                                  |                      |

## Other Events

| AWT Awards Dinner (Thursday)               | CC—Oasis 4/Oasis Pool    |
|--|--------------------------|
| AWT Golf Tournament (Wednesday)            | Indian Wells Golf Course |
| CWT and New Member Reception (Wednesday)   | East Pool Deck           |
| Exhibitor Meeting (Friday)                 | Mojave Learning Center   |
| Moderator Training (Wednesday)             | Pueblo B                 |
| Woman of Water (WOW) Reception (Wednesday) | Ballroom Terrace         |
| Young Professionals Happy Hour (Friday)    | Ballroom Terrace         |



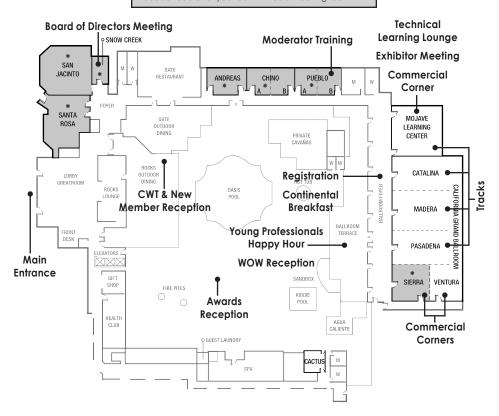
# **Hotel Floor Plans**





# **Hotel Floor Plans**

Committee and Subcommittee Meeting Rooms\* \* See schedule for your committee's meeting room





# Schedule

# Tuesday, September 10

| 9:00 am-3:00 pm  | Board of Directors Meeting | Snow Creek Boardroom          |
|------------------|----------------------------|-------------------------------|
| 10:00 am–5:00 pm | Registration Open          | Renaissance Ballroom<br>Foyer |
| 10:00 am-5:00 pm | Exhibitor Move-in          | CC—Oasis 1–3                  |

# Wednesday, September 11

| 6:15 am-2:30 pm | AWT Golf Tournament<br>Buses leave at 6:15 am.<br>Shotgun start at 8:00 am.   | Indian Wells Country Club                           |
|-----------------|---|---|
| 8:00 am-8:00 pm | Registration Open   | Renaissance Ballroom<br>Foyer                       |
| 8:00 am-2:00 pm | Exhibitor Move-in   | CC—Oasis 1–3  |
| 3:00 pm-4:00 pm | Technical Subcommittee Meetings<br>Boiler Subcommittee<br>Cooling Subcommittee<br>Pretreatment Subcommittee<br>Special Projects Subcommittee<br>Wastewater Subcommittee | Chino A<br>Sierra<br>Chino B<br>Pueblo A<br>Andreas |
| 4:00 pm-4:30 pm | Moderator Training<br>Moderators and AWT board members<br>required to attend.   | Pueblo B  |
| 4:00 pm-7:00 pm | Opening Reception—Exhibit Hall Open   | CC—Oasis 1–3  |
| 6:00 pm-7:00 pm | Women of Water (WOW) Reception  | Ballroom Terrace                                    |
| 7:00 pm-8:00 pm | <b>CWT and New Member Reception</b><br>(by invitation only)   | East Pool Deck                                      |



# Thursday, September 12

| 7:00 am-6:00 pm   | Registration Open   | Renaissance Ballroom<br>Foyer         |
|-------------------|---|---------------------------------------|
| 7:00 am-8:30 am   | Continental Breakfast   | Renaissance Ballroom<br>Foyer/Terrace |
| 7:30 am–7:50 am   | Commercial Corner:<br>Brenntag's Successful Wastewater<br>Treatment Programs<br>Brenntag North America  | Sierra                                |
|                   | Commercial Corner:<br>It's Not Just Legionella: Controlling Risk From Other<br>Waterborne Pathogens With the Right Tests<br>Special Pathogens Laboratory                              | Ventura                               |
|                   | <u>Commercial Corner:</u><br>LuminUltra's Newest Microbiological Tools Offer<br>Rapid Results, Portability, and Simplicity<br>LuminUltra Technologies Ltd.                            | Mojave Learning Center                |
| 8:00 am-8:20 am   | Commercial Corner:<br>The Impact of Dissolved Metals and Other Variables<br>on Triazole Demand<br>Wincom, Inc.  | Sierra                                |
|                   | Commercial Corner:<br>Overcoming Challenges in Protecting Idle<br>Equipment With Vapor Phase Corrosion Inhibitor<br>(VpCI) Technology<br>Cortec Corporation                           | Ventura                               |
|                   | Commercial Corner:<br>Using State-of-the-Art Pilot Testing to Evaluate Novel<br>Scale and Corrosion Inhibitors<br>Radical Polymers  | Mojave Learning Center                |
| 8:20 am-9:00 am   | GENERAL SESSION—Annual Membership Meeting<br>Call to Order<br>President's Report<br>Treasurer's Report<br>Committee Reports<br>Bylaws<br>Approval of Minutes From 2018<br>Adjournment | CC—Oasis 1–3                          |
| 9:00 am-10:00 am  | Keynote Address: The Magic of Water Treatment<br>Ryan Oakes   | CC—Oasis 4                            |
| 10:00 am-3:00 pm  | Exhibit Hall Open (complimentary lunch)   | CC—Oasis 1–3                          |
| 11:00 am-12:30 pm | Technical Learning Lounge Open  | Mojave Learning Center                |
| 11:00 am-11:45 am | AWT Special Projects Committee  | Mojave Learning Center                |
| 11:45 am-12:30 pm | AWI Cooling Committee   | Mojave Learning Center                |



| 3:00 pm-5:00 pm  | Track I<br>Water Treatment<br>Pasadena/Madera<br>Moderator:<br>Stephen Hallier, CWT  | Track II<br>Business Owners<br>Catalina<br>Moderator:<br>Bonnee Walker  | Track III<br>Wastewater<br>Mojave Learning Center<br>Moderator:<br>Matt Jensen, CWT                                 |
|------------------|--|---|---|
| 3:00 pm-3:30 pm  | Stabilization of the<br>Passivation Layer of Steel<br>by Tannins<br>Louis Godbout<br>TGWT Clean<br>Technologies, Inc.                    | Multi-Generational Water<br>Treatment Companies:<br>How to Leave a Lasting<br>Impact<br>Thomas Hutchinson<br>HOH Water Technology,<br>Inc.  | Potable Water 101<br>Jim Collins<br>Brenntag North America  |
| 3:30 pm-4:00 pm  | Optimization of<br>Condensate Treatments<br>Using a Computer<br>Modeling System<br>Richard A. Salazar<br>Suez Water                      | Business Succession<br>Planning Begins With<br>Your Organizational<br>Documents<br>Adam Green<br>Baker Donelson Bearman<br>Caldwell & Berkowitz, PC   | Optimizing Polymer<br>Efficiency for Improved<br>Solid–Liquid Separation<br>Yong Kim, Ph.D.<br>UGSI Solutions, Inc. |
| 4:00 pm-4:30 pm  | Do's and Don'ts of Multi-<br>Metal HVAC System<br>Treatment<br>David M. Connors<br>Harsco Industrial/<br>Patterson-Kelley                | Succession Planning for<br>a Multi-Generational<br>Water Treatment<br>Company Panel<br>Thomas Hutchison<br>HOH Water Technology,<br>Inc.<br>Jack Veale<br>PTCFO, Inc.<br>Brian Duncan<br>McGowan Insurance<br>Group<br>Adam Green<br>Baker Donelson Bearman<br>Caldwell & Berkowitz, PC | To Filter or Not to Filter,<br>That Is the Question<br>Kevin R. Cope<br>Brenntag North America                      |
| 4:30 pm-5:00 pm  | New ASHRAE Guideline<br>12—A Water Treatment<br>Practitioner's Perspective<br>Patrick Racine, P.Eng.<br>Klenzoid Canada – Eldon<br>Water |   | Removal of Selenium<br>From Water and<br>Wastewater<br>Peter Meyers<br>ResinTech, Inc.                              |
| 6:00 pm-10:00 pm | AWT Annual Reception an  | d Awards Dinner   | CC—Oasis 4 and<br>Oasis Pool  |

# Friday, September 13

| 7:00 am–9:00 am                   | Continental Breakfast  | Renaissance Ballroom<br>Foyer Terrace  |
|-----------------------------------|--|--|
| 7:00 am–8:00 am                   | Committee Breakfast Meetings<br>Business Resources Committee<br>Certification Committee<br>Charity Task Force<br>Convention Committee<br>Education Committee<br>Legislative/Regulatory Committee<br>Technical Committee<br>Young Professionals Group | Snow Creek Boardroom<br>Andreas<br>Chino A<br>Chino B<br>Santa Rosa<br>Pueblo A<br>San Jacinto<br>Pueblo B |
| 7:00 am–5:30 pm                   | Registration Open  | Renaissance Ballroom<br>Foyer  |
| 8:00 am-8:20 am                   | Commercial Corner:<br>The Safe Drinking Water Act and Regulatory<br>Compliance Experiences Related to<br>Supplemental Disinfection in Premise Plumbing<br>Systems<br>Sanipur US LLC  | Sierra   |
|                                   | Commercial Corner:<br>Nouryon's Direct Chemistry<br>Nouryon, formerly AkzoNobel  | Ventura  |
|                                   | Commercial Corner:<br>Extending Your Capabilities With Advanced Ion<br>Exchange<br>ResinTech, Inc.   | Mojave Learning Center   |
| 8:30 am-8:50 am                   | Commercial Corner:<br>Innovation and Product Development— What to<br>Expect From the New Business<br>Italmatch Chemicals–Advanced Water Solutions  | Sierra   |
|                                   | Commercial Corner:<br>French Filming Amines (FFAs) in High-Pressure<br>Boilers: Case Studies and Benefits for Low-Pressure<br>Applications<br>ODYSSEE Environnement  | Ventura  |
|                                   | Commercial Corner:<br>Legionella: Practical Applications and Learning<br>From the Field<br>IDEXX   | Mojave Learning Center   |
| 9:00 am–9:45 am                   | Exhibitor Meeting  | Mojave Learning Center   |
| 9:00 am-10:00 am                  | GENERAL SESSION—Understanding Young<br>Professionals and the Water Treatment Industry<br>Moderator: Michelle Farmerie<br>GLA Water Consultants, Inc.   | CC—Oasis 4   |
|                                   | Exhibit Hall Open (complimentary lunch)  | CC—Oasis 1–3   |
| 10:00 am-2:00 pm                  |  |  |
| 10:00 am–2:00 pm<br>11:30 am–Noon | Learning Lounge Open<br>CWT Roundtable   | Sierra   |
|                                   |  | Sierra<br>Catalina   |
| 11:30 am-Noon                     | CWT Roundtable   |  |
| 11:30 am-Noon<br>12:30 pm-2:00 pm | CWT Roundtable Technical Learning Lounge Open  | Catalina   |



| 2:00 pm-4:30 pm | Track I<br>Equipment<br>Pasadena/Madera<br>Moderator:<br>Andy Kruck, CWT  | 2:00 pm-4:30 pm | Track II<br>Corrosion<br>Mojave Learning Center<br>Moderator:<br>Gary Garcia   |
|-----------------|---|-----------------|--|
| 2:00 pm-2:30 pm | 75% Belongs to the<br>70—Flow Reversal RO<br>Technology: Improved<br>Recovery Rate and<br>Concentrate Management<br>Ronit Erlitzki, Ph.D.<br>AdEdge Water<br>Technologies     | 2:00 pm-2:30 pm | Development of Induction<br>Time Methods to<br>Evaluate Scale Inhibitor<br>Performance for Calcium<br>Carbonate and Calcium<br>Phosphate<br>William Glover<br>Dow Chemical Company |
| 2:30 pm-3:00 pm | A Breakthrough in Chlorine<br>Dioxide Generation<br>Without Precursors:<br>BlueSense™ OxiBlu<br>Ellen Meyer<br>Innovative Water Care  | 2:30 pm-3:00 pm | In Search of Synergy: The<br>Impact of Inhibitor Ratios<br>on Minimum Effective<br>Dosage<br>Robert J. Ferguson<br>French Creek Software,<br>Inc.                                  |
| 3:00 pm-3:45 pm | Fundamentals of Chemical<br>Metering Equipment<br>Laith Charles<br>Pulsafeeder, Inc.  | 3:00 pm-3:30 pm | The Art of Piecing Together<br>Corrosion Formulations<br>Chelsea Standish<br>Radical Polymers  |
| 3:45 pm-4:30 pm | Patented TRO Analyzer<br>Improves Biocide<br>Measurement for<br>Disinfection and<br>Dechlorination<br>Yanijao (Andrew) Xie  | 3:30 pm-4:00 pm | The Effects of Process<br>Variables on Scale<br>Inhibition in Dynamic<br>Scale Testing<br>John F. Zibrida<br>ZIBEX, Inc.   |
|                 | Gang (Gavin) Wang<br>Thermo Fisher Scientific   | 4:00 pm-4:30 pm | <b>pH Phenomena</b><br>Robert J. Ferguson<br>French Creek Software,<br>Inc.  |
| 4:30 pm-5:50 pm | GENERAL SESSION—Legionella, Business<br>Moderator: Steph Keck, CWT  |                 |  |
| 4:30 pm-4:50 pm | DNA-Based Methods for Rapid Detection of<br>Legionella<br>Michael Berg, Ph.D.<br>EMLab P&K  |                 | CC—Oasis 4   |
| 4:50 pm-5:10 pm | A Novel Onsite qPCR Legionella Detection<br>Technology Accurately Quantifies Legionella<br>Contamination in HVAC Cooling Towers<br>Shaimaa Ahmed, Ph.D.<br>Spartan Bioscience |                 | CC—Oasis 4   |
| 5:10 pm-5:30 pm | Legionella Testing: How to Evaluate New Products<br>Janet E. Stout, Ph.D.<br>Special Pathogens Laboratory   |                 | CC—Oasis 4   |
| 5:30 pm-5:50 pm | Check in! Water Management Plan Business<br>Opportunities in Hospitality Facilities<br>Kristin Majeska and Chelsea Schlabra<br>IDEXX  |                 | CC—Oasis 4   |
| 6:00 pm-7:00 pm | Young Professionals Happy Hour  |                 | Renaissance Ballroom<br>Terrace  |
|                 |   |                 |  |



# Saturday, September 14

| 7:00 am-12:15 pm  | Registration Open   | Renaissance Ballroom<br>Foyer   |
|-------------------|---|---------------------------------|
| 7:00 am-8:00 am   | Continental Breakfast With the AWT Board  | Renaissance Ballroom<br>Terrace |
| 8:00 am-8:45 am   | GENERAL SESSION 1<br>Moderator: Andy Weas, CWT  | CC—Oasis 4                      |
|                   | Legionella and the Changing Role of the Water<br>Treatment Professional: How to Set Yourself Apart<br>Janet E. Stout, Ph.D.<br>Special Pathogens Laboratory |                                 |
|                   | The Standard of Care: How Good Do Treaters Have<br>to Be?<br>Adam Green<br>Baker Donelson Bearman Caldwell & Berkowitz, PC                                  |                                 |
| 8:45 am-9:15 am   | GENERAL SESSION 2<br>Moderator: Andy Weas, CWT  | CC—Oasis 4                      |
|                   | Efficacy of Secondary Disinfection Against<br>Opportunistic Waterborne Pathogens<br>Shivi Selvaratnam, Ph.D.<br>Weas Engineering, Inc.                      |                                 |
| 9:15 am-10:10 am  | GENERAL SESSION 3<br>Moderator: Andy Weas, CWT  | CC—Oasis 4                      |
|                   | Secondary Disinfection<br>Frank P. Sidari III<br>Special Pathogens Laboratory   |                                 |
|                   | Alberto Comazzi, Ph.D.<br>Sanipur US LLC  |                                 |
|                   | Megan Canright<br>Forensic Analytical Consulting Services   |                                 |
|                   | Janet E. Stout, Ph.D.<br>Special Pathogens Laboratory   |                                 |
|                   | Adam Green<br>Baker Donelson Bearman Caldwell & Berkowitz, PC   |                                 |
|                   | Shivi Selvaratnam, Ph.D.<br>Weas Engineering, Inc.  |                                 |
| 10:10 am-10:15 am | Break   | Renaissance Ballroom<br>Foyer   |



| 10:15 am-12:45 pm | <b>Track I</b><br>Cooling<br>Pasadena/Madera<br>Moderator:<br>Chris Long  | Track II<br>Water Treatment<br>Mojave Learning Center<br>Moderator:<br>Marc Lortie, CWT   |
|-------------------|---|---|
| 10:15 am-10:45 am | Formulating for a Zero or Low-<br>Phosphorus Environment<br>Brandon Beyer<br>Italmatch Chemicals – Advanced<br>Water Solutions          | Reuse of Reverse Osmosis<br>Concentrate as Cooling Tower<br>Makeup<br>Timothy E. Keister, CWT, FAIC<br>ProChemTech International, Inc.  |
| 10:45 am-11:15 am | Non-Phosphorus/Non-P Based Scale<br>Inhibitors for Calcium Carbonate<br>Scale Control<br>Klin A. Rodrigues<br>Nouryon Surface Chemistry | That Color Isn't Right—What Went<br>Wrong?<br>Catherine Allen<br>Lovibond Tintometer  |
| 11:15 am-11:45 am | Overstabilization of Stabilized<br>Bromine: Is This a Significant Concern?<br>Eric Liimatta<br>Albemarle Corporation                    | Nontoxic Nonhazardous Acid to Adjust<br>pH in Cooling Tower Water Treatment<br>and Reduce Scaling and Biocide Use<br>Steve Mosher<br>Tygrus   |
| 11:45 am-12:15 pm | <b>New Disruptive Green and Safe<br/>Technology in Biocide Water<br/>Treatment</b><br>Fabrice Plasson<br>Amoéba                         | Laboratory and Field<br>Studies for Slow-Dissolving<br>Dibromonitrilopropionamide (DBNPA)<br>Tablets in a Capsule Dissolution<br>Feeder<br>Jonathan Howarth, Ph.D.<br>Enviro Tech Chemical Services, Inc. |



# **AWT's Special Events**

# Continental Breakfast With the Board

Saturday, September 14, 7:00 am–8:00 am—Renaissance Ballroom Terrace

Join us from 7:00 am–8:00 am on Saturday morning to have continental breakfast with the AWT board. This informal breakfast is open to everyone and is your time to speak directly with board members, providing input and feedback on ideas for programs, benefits, and services AWT will offer in 2020.



# AWT Bookstore and Chillers Lounge

Convention Center—Oasis 1–3, Booth #323

Stop by the AWT Bookstore and Chillers Lounge for valuable information and to purchase industry-related publications!

Complimentary copies of *Process Cooling* and *UltraPure Water* magazines will also be available in the AWT Bookstore and Chillers Lounge!



# Pure Water for the World

Convention Center—Oasis 1–3, Booth #423

Visit the PWW Booth #423 to learn more about how AWT members can use their skills to help underserved communities gain access to drinkable water.



# AWT STEM Program

Convention Center–Oasis 1–3, Booth #323

Visit Chillers Lounge to see member resources for community outreach. Check out the STEM kit as well as materials to host your own career day booth.



# **Technical Learning Lounge**

Renaissance—Mojave Learning Center

The Technical Learning Lounge is designed to give you more time to interact with your peers. You will receive hands-on training on industry topics and learn from each other. You can spend time with convention speakers and ask one-on-one questions. Be both the teacher and student as you share experiences with your fellow attendees. Be sure to stop by!



# Executive Portrait Lounge

Convention Center—Oasis 1–3, Booth #425

Need to update your picture for your website, business card, or marketing materials? Take advantage of having a professional head shot taken by the convention photographer. The Portrait Lounge will be open Wednesday through Friday.

# Silent Auction

Convention Center—Oasis 1–3, Booth #447

Be sure to see all the goods and services available at the silent auction. All proceeds benefit Pure Water for the World.

### 2019 AWT Charity Auction Items (as of 8/4/19)

Note: This list is subject to additions and changes. For the most up-to-date list of items, please visit either the AWT Convention app or the website for the most accurate listing.

- Advantage Controls, Inc. 5 license seats for MyTechReports accounts (2)
- AMSA, Inc. DTEA II ™ SR Plus SC Tablets, DTEA II ™ Tablets
- AP Tech Group, Inc. enduroTEQ Ultra-S (3)
- AquaMedix CeanSpray Faucet Filter System (1 Month), CleanSpray Fauctet 1 Month Replacement
- AWT 2020 Convention registration, Tech Training registration, Business Owners Meeting registration
- Brenntag North America Twelve-bottle collection of assorted California wines
- Carlon Meter, Inc. PCT2 Dual Timer
- CDG Environmental, LLC– Cobra King F7 Driver
- French Creek Software, Inc. WaterCycle RX Product Manager Edition
- HC Info e-Learning Course Series "Building a Successful Legionella Risk Management Program" (3), e-Learning Course Series "Sampling Water Systems to Validate Legionella Control" (3)
- IDEXX LB64SA-PTC!-XXX PULSAtron A PLUS Series metering pump, MVECXXXPA-EXX-XXX. MicroVision EX Conductivity Controller
- Kevin Cope Original Commissioned Painting
- Marlo, Inc. Marlo TFC-4 Residential 4-Stage Reverse Osmosis (RO) Purified Water System
- Masters Company, Inc. SSC-6126-System DeScaler & Cleaning Treatment (2x55 gallon drums)
- McGowan Insurance Group Yeti Backpack
- Omni Louisville (2020 Convention hotel) Two-night stay with breakfast
- Pulsafeeder, Inc. LD04SA-VVC9-XXX 24 GPD Cooling Tower Oxidizing Biocide Pump
- Pure Water for the World Original art from Haiti and Honduras
- Pyxis Lab, Inc. SP-710 Meters and Carrying Cases
- QualiChem, Inc. Blended Chemistry House Formulations/Custom Formulations
- Quantrol, Inc. Myron L Company ULTRAPEN PT2 pH pen.
- Radical Polymers Selection of Radical Polymers INITIA® Polymers
- Stenner Pump Company #85MJH2A1S Classic Single Adjustable Pump
- Suez Water Technologies & Solutions Yeti Cooler
- Taylor Technologies, Inc. Wall Mount Cabinet (K-9780)
- Vector Industries, Inc. Biomate 2000-25 Bromine Feeder and Bio-VP valve package
- Walchem, IWAKI America Inc. W600 Controller, Metering Pump



# **Commercial Corners**

# Thursday 09.12.19

## **Brenntag North America**

7:30 am-7:50 am

### Brenntag's Successful Wastewater Treatment Programs

Brenntag, a successful combination of technical and professional personnel bringing relevant knowledge and solutions to the marketplace. You will come away with a deeper understanding of how we are uniquely connecting chemistry.

# **Special Pathogens Laboratory**

7:30 am-7:50 am

# It's Not Just Legionella: Controlling Risk from Other Waterborne Pathogens With the Right Tests

Legionella remains the historic frontrunner of waterborne pathogens. This renowned pathogen continues to hold a solid lead among professional standards, guidelines, and regulations from ASHRAE, CMS, and AWT to New York City and State. Even so, while Legionella dominates the field, other waterborne pathogens are making a strong showing, especially in healthcare facilities. The Centers for Medicaid and Medicare Services names five opportunistic bacterial pathogens for which risk assessment and water management are required: Pseudomonas, Acinetobacter, Burkholderia, Stenotrophomonas, and nontuberculous mycobacteria (NTM). Many hospitals conduct in-house testing for these notable pathogens, not realizing clinical test methods do not inhibit competing environmental bacteria—thus failing to detect these pathogens in water. The result is unknown risk from the water distribution system. Just like Legionella, the right test means the difference between illness and health or life and death and your bottom line. Learn more about detecting other waterborne pathogens, find out why a validated process and specialized culture media matters, and get the latest on mitigating risk. Your clients don't know what they don't know—you can help! Expand your reach to include Legionella plus other waterborne pathogens, protect your clients' reputations, and ensure loyalty by delivering reliable results with the right tests.

# LuminUltra Technologies Ltd.

### 7:30 am-7:50 am

## LuminUltra's Newest Microbiological Tools Offer Rapid Results, Portability, and Simplicity

LuminUltra will present its newest tools for rapid microbiological monitoring, including our GeneCount™ portfolio of DNA-based products and services, which now enable water treatment consultants to quantify, specify, and target microbes of interest in industrial and institutional systems.



## Wincom, Inc.

8.00 am-8.20 am

#### The Impact of Dissolved Metals and Other Variables on Triazole Demand

There are several factors that should be considered when determining triazole dosage. It is not uncommon to see a difference between residual triazole concentration and feed rates. In this presentation, we will discuss how dissolved metals, oxidizing biocides, and solution pH can affect triazole performance and concentration.

# **Cortec Corporation**

8:00 am-8:20 am

#### Overcoming Challenges in Protecting Idle Equipment With Vapor Phase Corrosion Inhibitor (VpCI) Technology

Equipment that is idle for the short-term or the long-term, whether drained or full, will experience higher risks of corrosion if not properly treated. The resulting corrosion not only complicates equipment startup but also reduces expected service life and leads to unplanned losses. Moving from an operating mode to a state of preservation using VpCI® technology reduces startup issues and greatly increases asset reliability for your customers' equipment.

## **Radical Polymers**

8:00 am-8:20 am

### Using State-of-the-Art Pilot Testing to Evaluate Novel Scale and Corrosion Inhibitors

Over the past several years, Radical Polymers has invested heavily in state-of-the-art and best-in-class pilot testing facilities for the evaluation of scale and corrosion control additives. Radical Polymers will present an overview of these systems, followed by extensive pilot data for online removal of iron deposits and separately, online removal of mixed silicate scale using field obtained tubing. Additionally, the Radical Polymers team will present pilot data for long holding time applications and a new approach to all organic, nonphosphorous mild steel corrosion control. The Radical Polymers team will be available for auestions and provide data sheets for each case history.

# Friday 09.13.19

# Sanipur US LLC

### 8:00 am-8:20 am

#### The Safe Drinking Water Act and Regulatory Compliance Experiences Related to Supplemental Disinfection in Premise Plumbing Systems

Sanipur, the world leader in Legionella remediation, is innovating water hygiene with the continued development of our Sanikill® and FILT'RAY® product lines. This year, Sanipur will share their experience with regulatory compliance in various states as it relates to supplemental disinfection in premise plumbing systems. We will have a STAR Sanipur Distributor share their experience and successes with our products and the revenue impact it has on their firm. In addition, as AWT/EPA liaison, Joe Hannigan will update the attendees on the continued discussions with the Association of State Drinking Water Administrators (ASDWA).



# Nouryon, formerly AkzoNobel

8:00 am-8:20 am

#### Nouryon's Direct Chemistry

Nouryon (formerly AkzoNobel Specialty Chemicals) has been creating unique and patented polymers for the water treatment chemical industry for more than 30 years. Today, we are proud to introduce the next innovation in chemical purchasing: Direct-Chemistry.com, a 24/7 ecommerce site designed to provide simple, self-directed purchasing.

Through this new platform, US-based companies—independent of size—can order Nouryon's world-class Aquatreat and Versaflex products quickly and easily at a competitive price. These are some of our most popular multifunctional polymers, used in everything from cooling towers and boiler systems to food, oilfield, and pulp and paper plants.

Once registered and approved, users will have around-the-clock access to a fast, simple ordering platform that features free sample requests, an intuitive checkout process, easy credit card payment, detailed order history information, and product literature available for instant download.

This is an ideal solution for companies looking to purchase small volumes, as the minimum order quantity for Direct-Chemistry.com is just one drum.

## ResinTech, Inc.

8:00 am-8:20 am

#### Extending Your Capabilities With Advanced Ion Exchange

lon exchange is at its best when removing trace contaminants from water. Resins are available to remove phosphate, selenium, mercury, lead, arsenic, molybdenum, copper, nickel, chromium, zinc, and many other metals from wastewater, often solving tricky discharge exceedances.

However, regeneration on site releases those contaminants and creates a new waste stream that must still be dealt with. For this reason, resins used in these applications are often regenerated off site. ResinTech and ACM provide the resin, tanks, and regeneration services but are not on site and cannot provide the on site service. We are looking to partner with people already on site who can oversee the removal and replacement of tanks, check to verify the tanks are working, and also liaison with the end users to arrange for shipping and receiving.

In this presentation, we discuss the requirements and explain how AWT members can increase their presence on site, keep other companies out, and help their clients solve sticky waste discharge problems.

Don't let those ugly water opportunities scare you!



# Italmatch Chemicals – Advanced Water Solutions

### 8:30 am-8:50 am

#### Innovation and Product Development—What to Expect From the New Business

Earlier this year, BWA Water Additives was acquired by Italmatch Chemicals, and the businesses were combined to create a new business unit—Advanced Water Solutions. This combination brings together products well known to the water treatment industry, including Belclene®, Dequest®, Bellacide®, Mayoquest®, Bricorr®, and BromiCide®. In addition to these legacy products, Advanced Water Solutions is focused on bringing new and innovative products to the water treatment industry. The first such product is Belclene® 497, which is a high-performance, sulfonated carboxylic terpolymer antiscalant with superior performance compared to other terpolymers for silica scale prevention, iron oxide dispersion, calcium phosphate inhibition, and zinc stabilization. Another area for innovation is in biocides. Bellacide 337 is a new, nonoxidizing biocide that has broad-spectrum activity against algae, bacteria, and biofilm and is synergistic with oxidizing biocides. Comparisons to industry standard products and treatment recommendations will be presented.

## **ODYSSEE Environnement**

8:30 am-8:50 am

# French Filming Amines (FFAs) in High Pressure Boilers: Case Studies and Benefits for Low Pressure Applications

For more than 30 years, our experts have been contributing to the international development of film-forming amines (FFAs).

After explaining the fundamental reasons for the economic success of our FFAs, ODYSSEE Environnement is proud to share our expertise and knowledge of the benefits of the fourth generation with you.

Come see the positive effects on layers of magnetite, enabling the optimization of energy efficiency, better protection against corrosion and, of course, savings on water consumption by your high- and low-pressure steam boilers. A series of case studies will be presented, drawing parallels with your day-to-day experience.

# IDEXX

8:30 am-8:50 am

#### Legionella: Practical Applications and Learning From the Field

Come hear practical strategies for saving time, money, and above all, lives, with Legiolert, the next generation *Legionella* culture test. Using real-world examples, this session will cover recent findings and tricks of the trade for water treaters using *Legionella pneumophila* testing to help reduce Legionnaires' disease risk. It will address water management programs in healthcare facilities, hotels, cruise ships, and industrial and corporate settings.

What you will learn:

- Tips for reducing your liability
- Do's and don'ts of working with local water authorities and utilities
- Ways to ensure accurate and comparable water quality results over time
- Sampling strategies
- Who's using Legiolert today



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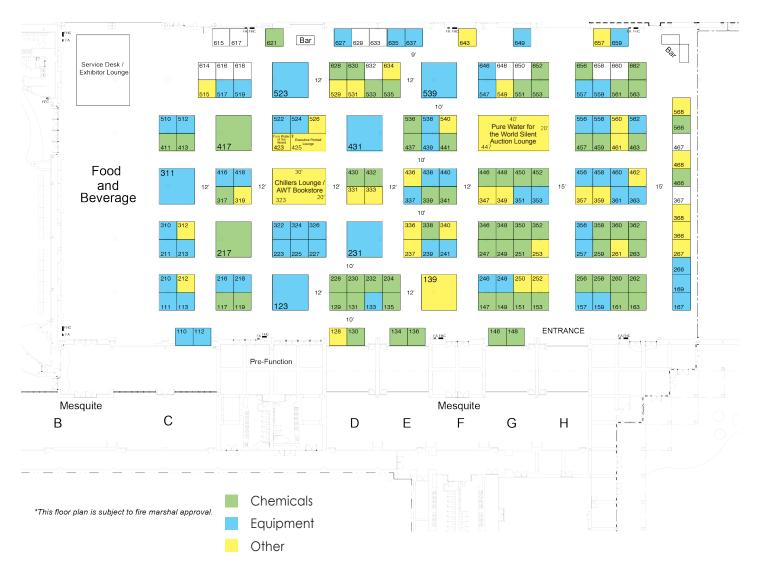
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# **Exposition Floor Plan**

As of August 8, 2019



# **AWT Exhibitors**

#### Aceto Corporation

4 Tri Harbor Court Port Washington, NY 11050 www.anti-clog1.com

Laura Hallquest (516) 437-3570 Ihallquest@aceto.com

CDC Anti-Clog #1 is a time-release biocide product that sits weighted in the condensate drip pans of HVAC units, walkin coolers, and freezers. CDC Anti-Clog #1 is a preventative condensate drain pan treatment that has been proven to control the growth of *Legionella* in experimental laboratory conditions. CDC Anti-Clog #1 is EPA-registered and NSF-approved for the food processing industry. Anti-Clog #1 is available in four sizes to accommodate any HVAC/R and walk-in cooler unit.

#### Advantage Controls, Inc.

4700 Harold Abitz Drive Muskogee, OK 74403 www.advantagecontrols.com

Jon Shaw (800) 743-7431 jon@advantagecontrols.com

Founded in 1994 and based in Muskoaee, Oklahoma, Advantage Controls is a manufacturer of cloud- and cellularcapable control systems, service reporting software, chemical metering pumps, prefabricated systems, glycol feed systems, and a broad range of other accessories for the industrial water treatment industry. Building from its core belief in the Golden Rule, Advantage Controls prides itself in treating every customer just as it would like to be treated. The company's success is shown in the many industry awards it has received, including being an AWT Supplier of the Year, as well as being voted by its own employees as one of Oklahoma's Top Workplaces for three consecutive years.

347 Aerobiology Laboratory Associates 336

43760 Trade Center Place, Suite 100 Dulles, VA 20166 www.aerobiology.net

Claire Blevins (919) 808-4061 claire@aerobiology.net

Aerobiology Laboratory Associates' mission is to be your laboratory partner of choice for contract analytical environmental microbial services, related asbestos services, and products developed in these fields, and to offer superior technical and customer support. Our goal is to continually exceed expectations by updating and investing in our services, and investing in our staff and training, and to provide the highest level of quality to our customers. Aerobiology Laboratory Associates, Inc. is an environmental laboratory focused on client support. All eight of our locations are CDC ELITE certified and AIHA accredited, as well as holding numerous other accreditations. We offer a wide range of services to help with any environmental concerns, and our expertise in microbial applications allows Aerobioloay to consult with professionals in all areas. Our expanded capabilities help to encompass the developing needs of our clients while maintaining our outstanding level of quality and customer service.

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## Albemarle Corporation

4350 Congress Street, Suite 700 Charlotte, NC 28209 www.albemarle.com

Christina Dahlman (980) 299-5693 christina.dahlman@albemarle.com

Albemarle Corporation (NYSE: ALB), headquartered in Charlotte, North Carolina, is a global specialty chemicals company with leading positions in lithium, bromine, and refining catalysts. We power the potential of companies in many of the world's largest and most critical industries, from energy and communications to transportation and electronics. Working side-by-side with our customers, we develop value-added, customized solutions that make them more competitive. Our solutions combine the finest technology and ingredients with the knowledge and know-how of our highly experienced and talented team of operators, scientists, and engineers. Discovering and implementing new and better performance-based sustainable solutions is what motivates all of us.

## All-Plus Chemical Co. Ltd

129

2109 Suning Grand Hotel, No. 188 Guangzhou Road Nanjing, Jiangsu 210024 China www.allsupgroup.com

Speed Mu +0086-25-83203093 speedmu@jts.com

All-Plus Chemical Company is a professional producer of monomers, including ATBS (2-Acrylamido-2-Methylpropane Sulfonic Acid, CAS 15214-89-8) and TBAA (N-Tert-Butylacrylamide, CAS 107-58-4), and polymers, including copolymer and terpolymer. The polymers can be used in many cooling water fields and for powder/steel/petrochemical plants and grey water dispersion. All-Plus Chemical Company has facilities in North America, Latin America, the European Union, and Asia-Pacific, among others, and has long-term supply contracts and partnerships with several global companies.

The company has a very experienced logistics team that can provide its customers with not only good quality and prices but also good services. The company also provides tolling business to customers who need it.

### American Water Chemicals, Inc. 411

1802 Corporate Center Lane Plant City, FL 33563 www.membranechemicals.com

Phillip Christofferson (858) 342-5827 philc@membranechemicals.com

American Water Chemicals® (AWC) was created in 1993 by a group of membrane desalination experts in response to the demand for more reliable membrane treatment chemicals and services. Over the years, our unique understanding of water chemistry has earned us a worldwide reputation for resolving complex operational issues. AWC has become renowned as one of the most trusted suppliers of membrane chemicals for RO/NF systems. Our goal is to enable our customers to meet their increasing water production demands, cope with concentrate disposal restrictions, and reduce their energy consumption through the use of our membrane antiscalants, cleaning chemicals, and biocides.

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## AmeriWater

3345 Stop 8 Road Dayton, OH 45414 www.ameriwater.com

Travis Tashjian (937) 461-8833 travis.tashjian@ameriwater.com

AmeriWater is an industry leader in the design, manufacture, installation, and supply of water purification systems and services for industrial applications.

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### AMSA, Inc.

4714 S. Garfield Road Auburn, MI 48611 www.amsainc.com

Janice Shawl (989) 662-0377 janice@amsainc.com

AMSA, Inc. manufactures BCP™ products (including DTEA II™), which are organic deposit cleaners, penetrant aids, and dispersants used in industrial cooling water systems. When used with an oxidizing or nonoxidizing biocide, AMSA BCP™ chemistry provides an effective biofilm control program. BCP™ 5000 series products are used in geothermal utilities to inhibit and remove sulfur deposits.

## Anhui Trust Chemical Co., Ltd 652

Daliang Industrial Zone, Meizhu Town Langxi, Anhui 242115 China www.bta-tta.com

Lynda Yao +0086-025-57464600 sales@bta-tta.com

Anhui Trust Chem is the main rulemaker and loyal performer for the BTA and TTA industry standard. We are the largest manufacturer, supplier, and exporter in the world of benzotriazole and tolyltriazole, and one of the first registered suppliers of REACH.

Based on the support and help from our customers and our consistent effort, our production capacity has expanded every year. The annual production capacity of benzotriazole and tolyltriazole has reached 11,000 tons and 900 tons, respectively. 70% of the products are exported to Europe, America, and Southeast Asia markets. The products are widely used in the fields of petrochemical, industrial cycle water treatment, auto chemical, electronic chemical, and antirust and corrosion for metals.

The company tries its best to build harmony among enterprise, customers, employees, and society with the managing philosophy of "Harmony, Consistent and Sincerity."

## APTech Group, Inc.

5130 Rialto Road West Chester, OH 45069 www.aptechgroup.com

Matt Horine (866) 489-9831 matt.horine@aptechsolids.com

APTech Group is a global manufacturer of blended solid concentrate water treatment products used in boilers, cooling towers, and closed-loop systems. APTech Group products help facilities reduce risk, liability, carbon footprint, and economic concerns.

### AquaMedix

7169 Shady Oak Road Eden Prairie, MN 55344 www.aquamedix.com

Susan Miller (952) 479-0636 smiller@aquamedix.net

AquaMedix has brought a patented European microfilter technology to the U.S. market, working through the U.S. EPA regulatory system. Based in Minnesota, we are rapidly growing through a clear and focused approach to meeting the client need for reduced bacterial concentrations in the potable water we use every day. The filter is capable of removing any particle larger than 0.15 micron from the water supply; this covers most bacteria species found in drinking water. The primary use for the microfilter is expected to be protecting water users from exposure to Legionella bacteria.

AquaMedix's CleanSpray Water Systems come in many configurations, such as shower head filters, faucet (tap) attachments, ice machine application, ornamental water features, and whirlpool spa baths. All our products incorporate our microfilters that will provide a six log reduction in bacteria from potable water at the point of use. The primary markets for our microfilter products are the medical, healthcare, and hospitality industries. 561

## Aquapharm Chemicals Pvt. Limited

2009 Old Orchard Lane Charlotte, NC 28226-5846 www.aquapharm-india.com/index.htm

Peter DeMartine (704) 361-2436 demartine.peter@aquapharm.net

Aquapharm Chemicals is a quality conscious supplier of phosphonates, polymers, and biocides. Our plants at Mahad and Pirangut are ISO 9001:2008 and ISO 14001:2004 certified. Additionally, our Mahad plant has received OHSAS 18001:2007 certification. Aquapharm products are Kosher Certified by J K Kosher. All AQUACID® produces are processed under Halachic regulations. Recognizing the need for continuous development, Aquapharm has set up a dedicated Research and Development and Technical Applications Centre equipped with stateof-the-art instruments. A dedicated team works on improving existing products and adding new products and applications to our ever-expanding portfolio.

### AquaPhoenix Scientific Inc.

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860 Gitts Run Road Hanover, PA 17331 www.aquaphoenixsci.com

Frank Lecrone (717) 632-1291 info@aquaphoenixsci.com

AquaPhoenix is your dedicated partner, committed to the flexibility and technical expertise required to meet your needs. It is our goal to simplify your testing process and provide you with the best overall value in test kits, reagents, meters, lab supplies, and feed and control equipment. As part of this effort, we are continually improving our in-house manufacturing and distribution operations to deliver the highest quality products in a timely manner. We work closely with the industry's leading manufacturers to identify and offer you the latest and best in testing technology. We also offer several software solutions to help streamline testing, improve data analysis and reporting, and simplify ordering with personalized websites.

### Aquionics Inc.

227

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4215 Stuart Andrew Boulevard Charlotte, NC 28217 www.aquionics.com

Ken Kershner (980) 256-5700 ken.kershner@aquionics.com

Aquionics has been successfully developing ultraviolet (UV) technology for disinfection and chemical reduction applications for over 30 years. Through ongoing investment in R&D, such as our UV Application Centre, where we push the boundaries of UV science using cuttingedge technology and software, we design and build highly efficient UV systems optimized to meet specific applications.

## Bio-Rad Laboratories

2000 Alfred Nobel Drive Hercules, CA 94547 www.bio-rad.com/en-us/food-science

Amrita Puri (510) 741-1000 amrita\_puri@bio-rad.com

Bio-Rad Laboratories produces tests for water testing, food safety, wine quality, and veterinary diagnostics. Bio-Rad has a complete menu of validated realtime PCR test kits for rapid detection of microorganisms with instrument needs to fit both small and large labs. The iQ®-Check real-time PCR kits provide fast, gualitative detection of pathogenic microorganisms and quality indicators in water samples. The 96-well thermal cycler has a small footprint and is well suited for both low- and high-volume users. Bio-Rad also provides a complete range of products for Legionella detection. Our products comply with regulatory standards and allow for risk management based on accurate and rapid results. Our AFNOR ISO validated kits enable qualitative and

quantitative detection of Legionella spp. and Legionella pneumophila in large water resources, including water supply systems, industrial water systems (cooling towers), health establishments, public buildings, and recreational water systems, to provide actionable same-day results along with viability differentiation. As a complete solution provider, we also offer culture media for easy bacterial screening and confirmation and latex kits for serotyping analysis in an event of an outbreak investigation.

Bio-Rad Laboratories has played a leading role in the advancement of scientific discovery for over 60 years by providing a broad range of innovative products and services to the life science research and clinical diagnostic markets. Founded in 1952, Bio-Rad has a global team of more than 8,000 employees and serves more than 85,000 research and industry customers worldwide. For more information, please visit us at www.bio-rad.com/foodscience.

#### Bio-Source, Inc.

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11335 Lewis Braselton Boulevard Braselton, GA 30517 www.biosourceinc.com

Shaun Dorethy (770) 978-1443 shaun@biosourceinc.com

Bio-Source, Inc. is a distributor/repackager of specialty products for the water treatment service industry. We handle a complete line of antimicrobials, corrosion inhibitors, and antiscalants. Proudly serving the AWT community for 20 years.

#### Biosan Laboratories, Inc.

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1950 Tobsal Court Warren, MI 48091-1351 www.biosan.com

Lesley Thomas (800) 253-6800 lesley@biosan.com

For over 40 years, Biosan Laboratories has been the trusted leader in microbiological testing for industry. Our laboratory consists of a team of experienced microbiologists specializing in Legionella analysis, microbial identification, and biocide efficacy testina. Our laboratory certifications include New York State ELAP Certification for Legionella Analysis (potable and nonpotable water), CDC ELITE Certification, and State of Michigan DEQ Full Certification in Microbiology. For field testing, Biosan also manufactures several field test kits for detecting microorganisms in industrial fluids, including the Sani-Check BF for bacteria and fungi, Sani-Check SRB for sulfate-reducing bacteria, and Sani-Check APB for acid-producing bacteria. By detecting these microorganisms, users will be able to optimize the levels of additives and biocides as well as minimize microbiologically influenced corrosion.

### **Biosolutions**, LLC

10180 Queensway, Unit #6 Chagrin Falls, OH 44023 www.biosolutionslab.com

Amanda Meitz (440) 708-2999 amanda@biosolutionslab.com

Biosolutions, LLC provides laboratory analysis, expertise, and consultative services for water treaters. Metals, ions, and microbes in cooling and wastewater water can be evaluated. Photomicrographs of deposits from cooling systems and chemical analysis of deposits from cooling and boiler systems can be provided. 635

### **Blue-White Industries**

5300 Business Drive Huntington Beach, CA 92649 www.blue-white.com

David Koch (714) 893-8529 davidk@blue-white.com

For over 60 years, Blue-White® Industries, located in Huntington Beach, California, has been a leading manufacturer of Precision Chemical Metering Pumps and Flow Instruments (Flowmeters) used in applications designed to purify both water and wastewater. Product lines include peristaltic and diaphragm-type chemical metering pumps, variable area flowmeters, ultrasonic flowmeters, digital paddlewheel flowmeters, and chemical metering systems. Our worldwide network of factory authorized representatives and distributors look forward to serving you.

### **Brenntag North America**

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5083 Pottsville Pike Reading, PA 19605 www.BrenntagWater.com

Brian Liotta (800) 890-0355 contactus@brenntag.com

Brenntag Water Treatment is your partner in solutions for industrial, commercial, and municipal water treatment, with stocking locations throughout the United States and Canada. Our experienced and dedicated team members will be happy to apply their application knowledge to provide solutions for your toughest waterrelated challenges. Our broad product line includes dispersants and antiscalants, coagulants, flocculants, biocides, scale inhibitors, corrosion inhibitors, defoamers, permanganates, filtration media, and NSFcertified products and facilities, as well as products for heavy metals removal and odor control. Source from the Experts!

### Carlon Meter, Inc.

1710 Eaton Drive Grand Haven, MI 49417-2820 www.carlonmeter.com

Bill Hildebrand (616) 842-0420 billh@carlonmeter.com

Our products include electric contacting water meters, turbine meters, slow-closing solenoid valves, strainers, totalizing water meters, and electronic controls, such as timer controls, chemical feed pump controls, batching controls, water softener controls, and remote counters.

### CDG Environmental, LLC

346

361 W. Cedar Street Allentown, PA 18102 www.cdgenvironmental.com

Michael Bixler (484) 735-0653 mbixler@cdgenvironmental.com

CDG Environmental, LLC produces and sells proprietary, highly engineered chlorine dioxide chemistries used for water treatment and other applications in food processing, horticulture, and cooling systems. The company makes the CDG Gas:Solid™ process system, which uses Saf-T-Chlor<sup>™</sup> granular sodium chlorite for the onsite production of high-purity chlorine dioxide gas. The Gas:Solid system is the safest, simplest means available for onsite production of high-purity chlorine dioxide. The company also makes CDG Solution 3000<sup>™</sup> storage-stable chlorine dioxide aqueous solution for distributed applications. CDG Solution 3000 is the only product on the market capable of delivering the chlorine dioxide molecule to the end user's application in a concentrated, ready-to-use form without the need for any onsite generation or "activation."

All CDG products have the government approvals and certifications that are prerequisites to commercialization, including US EPA-FIFRA registrations, corresponding registrations in 50 states, and NSF Standard-60 certification as a drinking water additive.

#### CHEMetrics, Inc.

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4295 Catlett Road Midland, VA 22728 www.chemetrics.com

Mari Lockhart (540) 788-9026 mlockhar@chemetrics.com

CHEMetrics strives to provide our customers with water analysis products that are of superior quality and reliability and are user friendly without sacrificing accuracy. We supply kits directly and through a network of distributors. They are used for monitoring various aspects of water treatment programs by water treaters worldwide.

## ChemQuest Chemicals, LLC

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9730 Bay Area Boulevard Pasadena, TX 77507 www.chemquestchemicals.com

John Fries (281) 291-9966 john@chemquestchemicals.com

Chemquest is a full-service toll processing, blending, and repackaging facility located just miles from the Port of Houston. Capable of supporting small to large-scale projects, we offer scale-up to full production and various value-added services to support your company's growth.

## Chemtrol

310

5375 Overpass Road Santa Barbara, CA 93111 www.sbcontrol.com

Rick Cummings (800) 621-2279 rcummings@sbcontrol.com

The Chemtrol® CT Series water treatment controllers, manufactured by Santa Barbara Control Systems, offer easy-touse menus, a unique five-year electronics warranty, and toll-free technical support.

## Commonwealth Chemical Specialties, LLC

27 Apple Street Tinton Falls, NJ 07724 www.commonwealthchem.com

Leisa Corbett-DeMartino (781) 421-3038 Icorbett@commonwealthchem.com

Commonwealth Chemical Specialties, LLC is a supplier of specialty water treatment products. We are a distributor of top specialty water treatment products manufactured by leading water treatment chemical and equipment manufacturers. We strive to provide high-quality water treatment products and knowledge/ training to water treatment service companies.

Cooling Technology Institute

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P.O. Box 73383 Houston, TX 77273 www.cti.org

Virginia Manser (281) 583-4087 vmanser@cti.org

As a broad-based industry association, our mission is to advocate and promote, for the benefit of the public, the use of all environmentally responsible cooling technologies, such as wet cooling towers, air-cooled condensers, dry coolers, indirect cooling, and hybrid systems, by encouraging:

- Education on these technologies
- Development of codes, standards, and guidelines
- Development, use, and oversight of independent performance verification and certification programs
- Research to improve these technologies
- Advocacy and dialog on the benefits of cooling technologies with government agencies and other organizations with shared interests
- Technical information exchange

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## Cortec Corporation

4119 White Bear Parkway St. Paul, MN 55109 www.corteccvi.com

Scott Bryan (651) 429-1100 sbryan@cortecvci.com

Cortec® offers a wide range of corrosion solutions that are much safer and/or simpler to use compared to standard protection methods. With Cortec strategies, you can replace the cumbersome use of desiccants and avoid the hazards associated with nitrogen blanketing and hydrazine. Cortec's broad range of organic corrosion inhibitors are also generally easier to discharge into municipal wastewater systems than traditional inorganic inhibitors that do not biodegrade. Cortec® water chemistry allows you to replace nitrites, molybdates, phosphonates, morpholine, and phosphates.

Whether your equipment will be off line for two weeks or two years, Cortec offers outstanding layup strategies for keeping your equipment corrosion-free and making it easy to bring back into operation. Many of Cortec's products contain vapor phase corrosion Inhibitors that offer multi-phase protection—forming a self-replenishing molecular barrier below the surface of the water, in void spaces above water, and at the air-water interface. This allows the flexibility of protection in either dry or wet layup—for the long-term, on standby, and sometimes even during operation.

#### Creative Water Solutions LLC

529

13809 Industrial Park Boulevard Plymouth, MN 55441 www.cwsnaturally.com

Gina Chavez (763) 285-4603 gchavez@cwsnaturally.com

ProMoss utilizes a plant-based, patented technology to treat water-based systems to naturally soften the water; inhibit and remove scale; inhibit and remove organic contamination; reduce corrosion; improve water clarity; and reduce maintenance, energy, and water/sewer costs.

### **CTP Manufacturing**

559

625 S. Palm Street La Habra, CA 90631 www.ctpmanufacturing.com

Jeffery Clark (562) 694-3740 jeff@ctptowerparts.com

CTP Manufacturing provides customers with the highest quality factory OEM and after-market parts for its cooling towers, fluid coolers, and evaporative condensers. Our large inventory of fill media, drift eliminators, air inlet louvers, and mechanical components enables us to provide quick and responsive delivery times, allowing you to complete your project in a timely manner. CTP Manufacturing can ensure that you are making proper choices in materials to maximize your results.

### **De Nora Water Technologies**

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1110 Industrial Boulevard Sugar Land, TX 77478 www.denora.com

Fran House (281) 240-6770 info.dnwt@denora.com

The pioneer of modern electrochemistry technology, De Nora is a leader in sustainable technologies, offering energysaving products and water treatment solutions across the planet. De Nora serves global water and wastewater treatment customers in the municipal, industrial, marine, and oil and gas markets.

The De Nora intellectual property portfolio covers 350 patent families with more than 3,000 territorial extensions. De Nora brings a long history of innovation to familiar water treatment products, such as the Capital Controls® original all-vacuum gas chlorinator, which

introduced groundbreaking chlorination safety in 1960 and continues to be the industry benchmark today. De Nora applies decades of product innovation and experience to a growing portfolio of disinfection, filtration, and instrumentation technologies, including Capital Controls chlorine dioxide, ozone and advanced oxidation, ClorTec® onsite hypochlorite generation, and MIOX® mixed oxidant solution, a biocide used in cooling towers, drinking water treatment, and other applications.

A trusted name for more than 55 years, De Nora Tetra™ filtration technologies include DeepBed™ filters, Denite® denitrification systems, bioreactors, and filter underdrains. De Nora SORB adsorption and ion exchange systems have been addressing inorganic contamination concerns and helping customers solve environmental, regulatory, and public health water treatment challenges for more than two decades.

### **Design Controls, LLC**

659

6762 Bourgeois Road Houston, TX 77066 www.designcontrols.net

Matt Walker (713) 856-7444 mattw@designcontrols.net

Design Controls, LLC provides comprehensive chemical, automation, control, and feed systems for all aspects of water treatment. Makers of the Acid Eddy.

#### Droycon Bioconcepts Inc.

315 Dewdney Avenue Regina, SK S4N 0E7 Canada www.DBI.ca DBI is the manufacturer of the BART testers for bacteria. They are an easy-to-use test for either field or laboratory for common nuisance bacteria, such as iron-related, sulfate-reducing, slime-forming, acidproducing, denitrfying, and nitrifying bacteria, among others. We also have the HAB test, which is an effective substitute for HPCs and dip slides.

### Eddington Industries, LLC

416

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575 Street Road Bensalem, PA 19020 joe@eddington.net

Joe Capaldi (215) 639-0675 joe@eddington.net

A manufacturer since 1948, our company wishes to offer the water treatment industry the highest quality products at the best possible prices.

### **Elkem Silicones**

2 Tower Center Boulevard, Suite 1601 East Brunswick, NJ 08816 www.silicones.elkem.com

Roman Radekevich (803) 792-3078 roman.radekevich@elkem.com

Elkem Silicones is one of the world's leading fully integrated silicone manufacturers. With over 60 years of experience in silicones, Elkem Silicones offers a complete range of silicone products. Elkem Silicones has introduced a new line of Silcolapse® brand foam control additives that provides broad utility at various temperatures and pH levels for water treatment applications. These products are domestically produced and deliver excellent performance at competitive prices.

549



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### EMEC SRL

via Donatori di Sangue 1 Rieti 02100 Italv www.emecpumps.com

Luca Cipolloni + 39 335 792 6932 luca.cipolloni@emecpumps.com

EMEC has been part of Italian and global technological innovation for more than 35 years. We design, program, and manufacture reliable, accurate, highquality systems for water treatment (with special focus on pools and cooling towers), including the LOTUS series of chlorine dioxide generators, the best solution against Legionella, along with a wide range of dosing pumps, control instruments, and customizable all-in-one solutions. Remote control of EMEC most advanced systems is made possible by ERMES online interface

#### EMSL Analytical Inc.

368

200 Route 130 North Cinnaminson, NJ 08077 www.emsl.com

Christopher Goulah (716) 651-0030 cgoulah@emsl.com

With facilities in the United States and Canada, EMSL provides analytical testing services supporting the water treatment industry, EMSL has 21 CDC ELITE proficient labs that perform testing for Legionella. Our corporate lab in Cinnaminson, New Jersey, offers cutting-edge technologies for rapid microbial identification using laser-assisted MALDI-TOF, DNA sequencing, and Ion Torrent metagenomic testing for microbial populations in water, sediment, and scale. In addition, EMSL offers biofilm bacterial identification, chemical testing, and unknown materials identification and failure analysis to support any water treatment or cooling tower treatment project.

### EndoTherm – PACE Chemicals

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1597 Derwent Way Delta, BC V3M 6KB Canada www.pacechem.com

Will Wilson (604) 349-2178 will@pacechem.com

PACE Chemicals is excited to share information about the energy saving additive EndoTherm. EndoTherm is a closed-loop HVAC additive that is proven to lower energy consumption in boiler or chiller systems by 10-15% without the need to change equipment or setpoints. The lowconcentration additive runs in parallel with existing water treatment programs and works by reducing the surface tension of the system fluid. The lower surface tension creates more surface contact area for heat transfer, which manifests in greater efficiency. Contact PACE if you want to lower consumption and emission from existing building systems.

## **Enviro Tech Chemical** Services, Inc.

430

500 Winmoore Way Modesto, CA 95358 www.envirotech.com

Tom Griffith (209) 581-9576 tgriffith@envirotech.com

Headquartered in the heart of California's Central Valley since 1991, Enviro Tech Chemical Services supplies an array of EPA- and FDA-registered biocidal products for the industrial water treatment, wastewater, agricultural, animal health, oil & gas, and food processing industries. With manufacturing facilities in Modesto, California, and Helena, Arkansas, Enviro Tech supplies the widest portfolio of bromine, peroxygen, hypochlorite, and chlorite specialty biocides. These include high-concentration liquid stabilized bromine, sodium bromide, slow-dissolving DBNPA tablets and granules, potassium hypochlorite, sodium hypochlorite, sodium chlorite, and several peracetic acid 33 formulations.



## Environmental Safety Technologies, Inc.

250

1815 Brownsboro Road, Suite 200 Louisville, KY 40206 www.estechlab.com

Shauna Weis (502) 893-6080 sweis@estechlab.com

Environmental Safety Technologies (EST) is the Legionella Authority. Since 1993, EST has provided Legionella and waterborne pathogen testing and laboratory analyses, risk assessments, sample test kits, consultation, and educational training. The EST team of experts assists healthcare facilities and clients in developing Water Management Plans to reduce the risk of growth and spread of Legionella and other opportunistic pathogens in building water systems and provides validation testing. Accreditations for Legionella validation/ testing include CDC-ELITE, AIHA-EMPAT, and New York Environmental Laboratory Approval Program-ELAP.

### ESOPMarketplace.com

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48 Walkley Road West Hartford, CT 06119 www.ptcfo.com

Jack Veale (860) 232-9858 jackv@ptcfo.com

We advise business owners and partners of closely held, family-owned businesses on ownership and management succession as well as leadership development for the next generation of owners/leaders. We are not business brokers. Our services involve the use of management assessments/ surveys and leadership retreats to create compensation, strategy, and governance systems. We also have experts on business valuation and legal advice. If you are a business owner contemplating buying out a partner or family member, or planning for retirement, ESOPMarketplace is a community of business advisors near you that can help you with your transition decisions, including considering doing an ESOP. Please stop by our booth #526

in Palm Springs and arrange a FREE 30-minute private/confidential discussion with one of our advisors on succession or ownership questions and concerns you may have. Or, contact us early at JackV@ esopmarketplace.com or (860) 232-9858 to arrange your free/confidential meeting in Palm Springs.

### Eurofins EMLab P&K

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6000 Shoreline Court, Suite 205 South San Francisco, CA 94080 www.emlab.com/

Doug Stein (504) 717-9601 dstein@emlabpk.com

Eurofins EMLab P&K is the leading commercial IAQ laboratory in North America and specializes in analyzing samples to identify mold, bacteria (including *Legionella*, *E. coli*, endotoxins, etc.), asbestos, and radon. Eurofins EMLab P&K partners with environmental professionals who make important decisions about the indoor environment that affect the health of our communities. We use science and innovation to provide accurate data that people trust and to create solutions that save time and resources.

## French Creek Software, Inc.

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P.O. Box 68 1220 Valley Forge Road, Suite 21 Valley Forge, PA 19481-0068 www.frenchcreeksoftware.com

Robert Ferguson (610) 935-8337 robferguson@frenchcreeksoftware.com

French Creek develops software for water treatment professionals, including the industry standard WaterCycle® for cooling water, hyd-RO-dose™ for membrane systems, WatSim™ for potable water, Mine SAT™ for mining streams, and DownHole SAT™ for oil field chemistry. Private label available. Embed French Creek in your applications and controllers with our Windows DLLs and static UNIX libraries.

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## Gaomi Hyond Chemical Technology Co., Ltd.

Liquan Industrial Park Gaomi City 261500 China www.hoyondchem.com

Jine Gu 0086-135-63689885/187-53601666 jennyhoyond@126.com, hykj101@163.com

Gaomi Hoyond Hoyone Chemical Technology Co., Ltd. Is a professional manufacturer specializing in sodium chlorite, annually producing sodium chlorite 40,000 mts for liquid and 12,000 mts for powder.

Our new mill in our building will have an output of 70,000 mts sodium chlorite, which will run by the end of 2019.

We warmly welcome friends abroad to visit and establish a business relationship with us.

Main products: Sodium chlorite (NACL02) solution and powder 25 PCT, 27 PCT, 31 PCT liquid & 80 PCT powder.

## General Treatment Products, Inc. 110

113 Viking Avenue Brea, CA 92821 www.gtpcompany.com

Marcus Burton (714) 257-9165 mburton@gtpcompany.com

General Treatment Products, Inc. is a manufacturer and distributor of industrial chemical feed equipment. manufacturing bypass feeders, glycol feed systems, chemical feed systems, tanks and tank stands, mixers, centrifugal solid separators, and coupon racks. We are a California Master Distributor of Walchem, Primary Fluids Systems, TruFlo, and many other fine chemical feed accessories

## **GEO Specialty Chemicals**

317

9213 Arch Street Pike Little Rock, AR 72206 www.geosc.com

Vince Petroy (765) 430-5292 vince.petroy@geosc.com

GEO Specialty Chemicals leads the market in aluminum chemistry products for industrial and municipal wastewater treatment and potable water clarification. As a premier manufacturer of basic and enhanced aluminum products as well as a full line of polyDADMAC and polyamine chemistry, our product offerings are extensive and limited only by your ability to engineer the exact product that best suits you and your customer's needs. GEO Specialty Chemicals seeks to work with our partners to identify and create products that will set you apart from your competition.

## **GF Piping Systems**

9271 Jeronimo Road Irvine, CA 92618 www.gfps.com

Marina Valentine (800) 854-4090 marina.valentine@georgfischer.com

GF Piping Systems is the sales, marketing, and logistics organization for engineered piping systems, valves and actuation, and Signet Instrumentation in the Americas. In addition, GF provides customers with a wide range of value-added capabilities through the Custom Products group.

## **Griswold Water Systems**

356

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1319 Woobine Street Daytona Beach, FL 32168 www.griswoldwatersystems.com

Janeen O'Connell (386) 255-3909 janeen@griswoldwatersystems.com

Griswold Water Systems is a U.S.-based manufacturing company specializing in

water filtration and environmentally friendly water treatment systems for industrial and commercial water applications. Our products are designed to help businesses go green by saving water and energy, controlling biological growth, eliminating scaling, and eliminating or reducing the need for injection of caustic chemicals into the water supply. We possess a "systems focus" and are committed to partnering with building owners, engineers, and local water treatment professionals to ensure that the correct solution is properly implemented and serviced.

## Grundfos

438

9300 Loiret Blvd Lenexa, KS 66029 www.grundfos.us

Debbie Bertrand (913) 238-5962 dbertrand@grundfos.com

As a recognized global leader in advanced pump solutions and a trendsetter in water technology, Grundfos continuously pioneers new and improved ways to answer water and energy challenges. Grundfos allocates 6 percent of annual turnover every year to R&D, with the objective of developing advanced technologies that provide you with the best possible operating economy, quality, reliability, and functionality.

Whatever your unique water challenge, Grundfos can help you think ahead. From multistage industrial and submersible pumps, to disinfection systems and massive wastewater pumping stations, the Grundfos portfolio offers you solutions.

In addition to an annual production of 17 million pumps, we also make standard and submersible motors and state-ofthe-art electronics for monitoring and controlling those pumps to optimize performance. Together we can achieve significant reductions in energy use, water consumption, and overall environmental impacts. Visit www.grundfos.us or follow us on twitter.com@grundfospumps and facebook.com/GrundfosPumpsUSA.

## H2trOnics

601 East Trinity Boulevard Grand Prairie, TX 75050 www.h2tronics.com

Blaine Nagao (817) 251-7184 sales@h2tronics.com

H2trOnics provides the water treatment industry with customized feed and control equipment solutions as well as eServiceReport, the industry's leading online reporting software. Our in-house design and development teams use the latest technology and a variety of leading manufacturers to deliver turn-key water treatment systems that are designed for each unique product application. The H2trOnics team is also experienced with a wide variety of filtration products.

## HC Info

113 Cherry Street, #79999 Seattle, WA 98104 www.hcinfo.com

Matt Freije (206) 494-0267 mfreije@hcinfo.com

HC Info is the provider of LAMPS, a cloudbased application for water management plans, analytics (for *Legionella*, disinfectant, and temperature results), and training to minimize the risk of *Legionella* and other waterborne pathogens in building water systems.

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# Heyl Brothers North America L.P. 557

321 North Clark Street Chicago, IL 60654 www.heyl.de/en

Tilman Heyl (312) 377-6123 usa@heyl.de

Founded in 1958, Gebrüder Heyl Analysentechnik GmbH, along with its U.S. subsidiary, Heyl Brothers North America L.P., has established itself as the leading German developer, engineer, and manufacturer of online water analysis and monitoring instrumentation. We carry a broad range of analyzers and are specialized in water analyzing equipment for boiler houses and cooling towers. With offices in Europe and the United States, we put a strong focus on customer service and availability.

#### High Chem Inc.

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14555 Viva Drive Eastvale, CA 92880 www.high-chem.us

Harriet Yan (951) 533-7709 harrietyan@high-chem.us

High Chem is engaged in the research, manufacture, and distribution of chemical products, including raw materials of water treatment, household and personal care, papermaking, printing and dyeing, oil field, and other fine chemicals. High Chem launched in California in 2013. It has many long-term cooperation partners all over the world. High Chem has an advanced management philosophy and a group of staff with excellent experience and professional knowledge, which enables us to offer our customers superior service and competitive prices.

# Houghton Chemical Corporation 452

52 Cambridge Street, P.O. Box 307 Allston, MA 02134 www.houghton.com

Alfonso Sira (617) 512-2811 asira@houghton.com

Houghton Chemical Corporation is a family-owned and operated distribution and manufacturing company. We operate terminal sites throughout the United States and distribute on a national and international basis. For over 80 years we have built an enviable reputation for high quality and prompt courteous services.

Our complete hydronic services include proprietary inhibited glycol blends, glycol removal services, and complementary glycol analysis. SAFE-T-THERM® is our propylene glycol product line; WINTREX® is our ethylene glycol product line; and GeoSafe® is for geothermal applications. We also offer aluminum-safe and biobased glycol products. Houghton customers benefit from available technical and customer service. We strive to support our industrial water treatment partners and build business relationships through trust and integrity.

Houghton Chemical is an enthusiastic supporter of many industry and trade organizations, including NACD, the Responsible Distribution Program, ASTM, AWT, ASHRAE, NACE, the National Paint & Coatings Association, and DCAT.

# Hydronix Water Technology

267

8630 Rochester Avenue Rancho Cucamonga, CA 91730 www.hydronixwater.com

Adam Nelson (909) 529-3101 adam@hydronixwater.com

Hydronix Water Technology manufactures innovative and cost-effective solutions for our customer needs. Hydronix provides energy-efficient solutions that help our customers effectively manage filtration

applications safely and sustainably. We assist the filtration industry by increasing production, reducing processing costs, and protecting the environment. Our products include filter vessels, replacement filter elements plus systems and components that are used in a wide range of industries and applications, including drinking water, heat transfer, process, wastewater, high purity, and many more. A large number of our products are "Certified to ANSI/NSF 61" standard for contact with drinking water components. Many of our products are manufactured in the United States, which adds tremendous value to our customers in this highly competitive industry.

Hydronix is committed to creating and maintaining powerful customer relationships built on a foundation of excellence. Our staff has decades of filtration experience and is available to serve your needs. From the products we manufacture to our dedicated customer service and support, we know what's important to you.

# Hygiena

540

941 Avenida Acaso Camarillo, CA 93012 www.hygiena.com

Paul Tagari (805) 465-5318 ptagari@hygiena.com

Hygiena delivers rapid microbial detection, monitoring, and identification solutions to a wide range of industries, including food and beverage, healthcare, hospitality, pharmaceuticals, and personal care. Utilizing advanced technologies and patented designs, Hygiena provides industry-leading ATP monitoring systems, PCR-based pathogen detection and characterization systems, alleraen tests, environmental collection devices, and more. Hygiena is committed to the mission of providing customers with highquality innovative technologies that are easy to use and reliable, backed by excellent customer service and support. Headquartered in in Camarillo, California,

with offices in Wilmington, Delaware; the United Kingdom; and China, and over 80 distributors in more than 100 countries worldwide, Hygiena products span the globe.

# IDEXX

One IDEXX Drive Westbrook, ME 04092 www.idexx.com/water

Kristin Majeska (207) 213-0223 Kristin-majeska@idexx.com

IDEXX Water is a global provider of watertesting solutions that deliver easy, rapid, accurate, and cost-effective information on water quality to laboratories of all types, utilities, and other users around the world. IDEXX's Legiolert is a simple and accurate culture test that quantifies *Legionella pneumophila* in building water and cooling towers. IDEXX also offers users simple and accurate culture tests for other on-premise pathogens, such as *Pseudomonas aeruginosa*, and for other indicators of premise water quality, such as Heterotrophic Plate Count (HPC) products.

# **Innovative Water Care**

1400 Bluegrass Lakes Parkway Alpharetta, GA 30004 www.lonzawatertreatment.com/

Justin Voty (678) 780-5490 justin.voty@lonza.com

Innovative Water Care is a leading specialty chemical manufacturer and supplier to the global water treatment market. The combination of innovative technologies, patented solid biocide feed systems, and thorough application knowledge enables us to deliver leadingedge solutions to our customers' most demanding problems. Our product technologies are used to control the growth of microorganisms such as bacteria, algae, and fungi as well as macroorganisms, including mollusks, in a broad array of applications, from drinking

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water to wastewater, food and agriculture, industrial cooling, papermaking, and related markets.

#### Innovative Waters, LLC

519

2400 Waunona Way, Suite 01 Madison, WI 53713 www.innovativewaters.com

Chris Nicaise (888) 455-6641 info@innovativewaters.com

Your controller cellular communication specialist. Keep connected and informed 24/7 with modemMillie cellular internet modem and BobAlert cellular remote alarm from \$16 per month. Remote monitoring and control. Real-time alerts. Cyber secure. No more hassles with IT departments. Retrofit directly with your existing controllers, including Advantage Controls, Dripping Wet Water, EMEC, H2Tronics, Lakewood, Prominent, Pulsafeeder, Sanipur, Walchem, and even generic PLCs.

#### International Dioxcide, Inc.

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40 Whitecap Drive North Kingstown, RI 02852 www.IDICIO2.com

Thomas Dwyer (401) 295-3623 thomas.dwyer@ercoworldwide.com

International Dioxcide solely specializes in CIO<sub>2</sub> technologies for over 60+ years. The International Dioxcide business is built on 70+ years of CIO<sub>2</sub> experience and knowledge as the recognized industry leader. International Dioxcide offers worldclass expertise in the design, fabrication, installation, and operation of CIO<sub>2</sub> water treatment technology to provide unrivalled levels of reliability, safety, and cost efficiency in water treatment facilities. International Dioxcide offers cost-effective water treatment solutions in five major sectors: municipal water, wastewater treatment, industrial cooling and process water, oil and gas production, and food and beverage applications.

#### Interstate Chemical Co., Inc.

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2797 Freedland Road Hermitage, PA 16148 www.interstatechemical.com

Ed Thacker (832) 347-0215 ethacker@interstatechemical.com

Interstate Chemical Company Inc. is a manufacturer of INTERCOOL® inhibited heat transfer fluids. INTERCOOL® fluids are available as ethylene glycol, propylene glycol, or ethanol as base fluid. We supply industrial and FDA approved fluids that are used in refrigeration, HVAC, the food and beverage industry, and many other applications. INTERCOOL® heat transfer fluids are available in 5-gallon pails, 55-aallon drums, and bulk tank truck deliveries. We maintain a modern analytical laboratory to provide annual fluid analysis to our customers at no charge. Fluid maintenance is the key to long fluid life. Stop by our booth and see how we can save you money on your heating and cooling costs.

#### Italmatch Chemicals – Advanced Water Solutions

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1979 Lakeside Parkway, Suite 925 Tucker, GA 30084 www.wateradditives.com

Kate Ravenscroft +44 161 864 6699 kate.ravenscroft@wateradditives.com

Italmatch Chemicals – Advanced Water Solutions is the leading global provider of specialty chemical solutions for the oil & gas, desalination, and industrial water treatment markets. Italmatch Chemicals – Advanced Water Solutions' antiscalant, corrosion inhibitor, and microbiocide technologies provide customers with the essential elements required to meet today's water management challenges. Our brands are recognized worldwide for the highest quality and superior technical performance. Visit our website at www.wateradditives.com or www.italmatch.com.

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# J.L. Wingert Co.

P.O. Box 6207 Garden Grove, CA 92846-6207 www.jlwingert.com

Karen Wolett (714) 379-5519 kwolett@jlwingert.com

J.L. Wingert manufactures a complete line of liquid and chemical handling equipment, including bypass feeders, filter feeders, glycol feed systems, mixers, centrifugal separators and separator systems, sample coolers, sludge traps, controls and monitors, specialty fabrication, and ASME Code vessels. Additionally, the company distributes chemical metering pumps, peristaltic pumps, drum pumps, AODD pumps, flow and analytical instrumentation, poly tanks, and valves.

# Justeq LLC

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1660 Hertel Lane Deerfield, IL 60015 www.justeq.com

Justin Shim (224) 515-8352 justin@justeq.com

Justeq, LLC sells Justeq07, an oxidizing biocide unlike any other that produces bromine within slime. Justeq07 saves users money and is the best biocide for cleaning and maintaining cooling towers. Plus, much less Justeq07 is needed to maintain a system than any competitor product. In addition, Justeq07 is much less corrosive, is compatible with supplemental chemicals, has a shelf life of one year, and requires no additional equipment. Contact us today to learn more.

# Kemira

1000 Parkwood Circle, Suite 500 Atlanta, GA 30339 www.kemira.com

Lisa Best (770) 436-1542 marketing.communications@kemira.com

Kemira is the only manufacturer to offer a full product portfolio of coagulants, polyacrylamide polymers, process chemicals, and other water treatment chemicals, enhanced by our smart digital technologies. We support our customers through deep R&D and application knowhow, a secure supply network, and a complete technology portfolio for safe, efficient, and sustainable chemical water treatment. Let us help you optimize every stage of your water cycle.

# KOST USA, Inc.

1000 Tennessee Avenue Cincinnati, OH 45229 www.kostusa.com

Chad Sigurdson (513) 519-8694 csigurdson@kostusa.com

KOST USA's family of glycol-based heat transfer fluids offers a solution that will exceed your requirements. Applications include HVAC, refrigeration, food, beverage, pharma & chemical processing. We can customize products to meet all engineering requirements where glycolbased products are required. KOST USA, Inc. is the largest family-owned manufacturer, supplier, and marketer of antifreeze and functional fluids in the United States. Founded in 1985, our headquarters and manufacturing facility is strategically located in Cincinnati, Ohio. We build our customer brands and our own brands through high-performance products and superior service. Committed to quality, KOST USA is ISO 9001:2015 Certified, ASTM Standards Lab, Global Sourcing, NSF, GHS, and FM Approved.

# Lakewood Instruments LLC

7838 N. Faulkner Road Milwaukee, WI 53224 www.lakewoodinstruments,com

Tom Tinney (414) 355-2807 tom@lakewoodinstruments.com

Lakewood Instruments designs and manufactures the most reliable and easyto-use cooling tower and boiler blowdown/ chemfeed controllers since 1973.

Our focus is to become a vital partner and key team player with water treatment service and chemical providers by meeting and exceeding their facility water treatment equipment needs. Our vast knowledge of water treatment equipment, intra-device communication (LON, BACnet, MODbus), and applications drives our customers to return time and again.

# Legionella Specialties

130

2997 E. Dimple Dell Lane Sandy, UT 84092 www.legionellaspecialties.com

David Merhi (801) 918-8027 dave@legionallaspecialties.com

We are a supplier of an NSF 60 drinkingwater-approved biodispersant that is an excellent descaler in potable water. It can also be used in many industrial applications. We sell these chemicals to water treatment companies.

#### Lovibond Tintometer

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6456 Parkland Drive Sarasota, FL 34243 www.lovibond.us

Kaylie Boland (941) 756-6410 kboland@tintometer.us

For over 130 years, Lovibond Tintometer has been a leading manufacturer of water quality products. Our solutions are designed to simplify analysis and provide users with accurate results in the laboratory or out in the field. Learn about our full range of water auglity instrumentation, test kits, reagents, and accessories for a wide range of applications and parameters.

#### Lubrizol Corporation, The

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29400 Lakeland Boulevard Wickliffe, OH 44092 www.carbosperse.com

Mitchell Jackson (440) 347-1363 mmj@lubrizol.com

Carbosperse<sup>™</sup> K-700 polymers, including solvent and water polymerized polyacrylates, polymethacrylates, acrylate copolymers, and acrylate terpolymers for use as high-performance deposit control agents and building blocks for water treatment formulations and programs.

# LuminUltra Technologies Ltd.

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520 King Street Fredericton, NB E3B 6G3 Canada www.luminultra.com

Shawn Watkins (416) 801-7995 shawn.watkins@luminultra.com

Regardless of the situation, LuminUltra's advanced 2nd Generation ATP technology provides fast, complete, and accurate insight into microbiological activity. Both portable and easy to use, our test kits provide an interference-free indication of total microbial quantity within minutes of sample collection allowing you to save valuable time, help you better manage risk, and reduce operating costs. In addition, our highly skilled and knowledgeable staff offers close support every step of the way to help you achieve your goals. Experience peace of mind with LuminUltra's wide range of solutions!

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# Lutz-Jesco America Corp.

55 Bermar Park Rochester, NY 14624 www.lutzjescoamerica.com

Matthew Martin (856) 669-1432 martin@lutzpumpsamerica.com

Lutz-JESCO America Corp. manufactures and sells chemical feed technology and related equipment throughout the United States, Canada, and parts of South and Latin America. We offer a wide range of complete chemical transfer and chemical feed systems, solutions, and products for various water treatment markets. These include, but are not limited to, Heat Transfer, Municipal, Industrial, and OEM markets. Customers can choose from our standard, engineered systems for common applications or talk to us about a customengineered solution that meets your specific needs. For decades, Lutz-JESCO has been providing a complex range of products and services designed to improve water quality, eliminate contaminants, and protect both human health and the environment. The versatility of Lutz-JESCO offerings from its comprehensive catalogue of modular designed, installation-friendly, cost-effective metering pumps and accessories means buyers will find the right product or system for their unique application with the added benefit of less downtime and more cost savings.

# Marlo, Inc.

562

2227 South Street, P.O. Box 044170 Racine, WI 53404-7003 www.marlo-inc.com

Steven LaMere (262) 681-1300 slamere@marlo-inc.com

Since 1973, Marlo Inc. has designed and manufactured high-quality water treatment equipment for a wide variety of residential, commercial, institutional, and industrial applications worldwide. Marlo's extensive product line is centered on numerous technologies, including water softening, media filtration, reverse osmosis, and ion exchange applications. They specialize in custom engineered solutions, including integrated skid packages and automated system controls designed to meet specific client requirements.

# Masters Company, Inc.

358

890 Lively Boulevard Wood Dale, IL 60191 www.masterscoinc.com

Garret Garcia (630) 238-9292 gary@masterscoinc.com

For over 50 years, Masters Company, Inc. (MCI) has been a proud leader in private label formulating/manufacturing of water treatment products, adhering to ISO-9001 quality assurance guidelines. MCI also offers a full line of biocides, reverse osmosis membrane antiscalants, and allied specialty cleaners. Our private labeled test kits and allied reagents allow our customers to take advantage of a complete package to meet their water treatment needs. We offer support services, including SDSs, laboratory analyses, regulatory updates, and freight discounts. If you allow us to earn your business, you'll find that MCI is easy to work with and that everything we do is customer focused. MCI has been dedicated to the continued success of AWT since its inception and received the AWT Supplier of the Year award in 2014.

# McGowan Insurance Group

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355 Indiana Avenue, Suite 200 Indianapolis, IN 46204 www.mcgowaninc.com

Michael Highum (317) 464-5000 michaelh@mcgowaninc.com

McGowan Insurance Group is a trusted provider of insurance and risk management products and services to AWT members everywhere. Specialty protection includes Primary and Excess Liability, Pollution Liability, Professional/E&O, Executive Liability, Workers' Compensation,

and Property and Fleet coverages. Complete risk analysis, loss prevention, and claims management, as well as consulting services, are also provided. McGowan incorporates a collaborative approach that emphasizes client education alona with delivering meaningful resources to equip members with the necessary tools to manage risk. McGowan Group now offers a full suite of employee benefit programs for both medical and nonmedical products. These AWT customized offerings include the same risk mitigation and consultative resources you have come to know and expect from the McGowan Insurance Group.

#### Metal Samples Co.

547

152 Metal Samples Road Munford, AL 36268 www.metalsamples.com

Brenda Smith (256) 358-4202 msc@alspi.com

Metal Samples offers a full range of corrosion monitoring systems, including corrosion test coupons, holders, insertion systems, test racks, bypass systems, corrosion probes, and corrosion instruments (portable meters, transmitters, data loggers). We also offer a complete line of chemical injection and hydrogen monitoring equipment.

# **Meunier Technologies**

517

216 Poirier, Suite 14 Saint-Eustache, QC J7R 6B1 Canada www.meuniertechnologies.com

Vincent T-Meunier (514) 949-4201 vtmeunier@meuniertechnologies.com

Meunier Technologies is an equipment manufacturer dedicated to bringing innovative solutions to the chemical dosing industry. The DICE™ dosing module product range offers a simple, compact and elegant solution for all your custom and standard chemical dosing system needs. DICE<sup>™</sup> Technology addresses safety concerns by integrating pressure relief valves as part of its patent pending design. DICE<sup>™</sup> Technology uses a very compact footprint to ensure a safe, efficient, and effective leak-proof system to deliver chemical reliably to municipal, industrial, institutional, and commercial applications.

#### Miller-Leaman, Inc.

646

800 Orange Avenue Daytona Beach, FL 32114 www.millerleaman.com

Chris Ameo (386) 679-9850 chrisameo@millerleaman.com

Your filtration solution! Miller-Leaman manufactures innovative water filtration products for a variety of applications. We offer several filtration products, ranging from simple filters to sophisticated turnkey systems. Products can be customized to fit your application needs.

#### MVTL Laboratories, Inc.

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1126 N. Front Street New Ulm, MN 56073 www.mvtl.com

John Delahanty (612) 804-2411 jdelahanty@mvtl.com

Established in 1951, MVTL operates a network of labs offering analytical services across a broad range of industries and technologies. MVTL is certified for Clean Water Program and Safe Drinking Water Program compliance in several states. In addition, MVTL provides evaluation of coal, oil, and other energy products. Water treatment specialties include glycol, *Legionella* deposits, and low-level metals. For more information, visit MVTL's website at www.mvtl.com.

# Mycometer, Inc.

4004 S. MacDill Avenue, Suite 7 Tampa, FL 33611 www.mycometer.com

Lisa Rogers (813) 831-6511 Irogers@mycometer.com

Mycometer's Bactiguant Water is a rapid, reliable microbiological test to evaluate total bacteria in water, slurries, solids, and on surfaces in minutes. The test is culture independent (unlike HPC) and differs from ATP because it has little interference from other microorganisms. It simply uses a naturally occurring hydrolase enzyme activity specific to bacteria for detection. Not limited by other common interferences, it is a robust tool to evaluate even the most complex water samples for filter/biocide efficacy, cooling systems, industrial processes, cleaning in place, and distribution systems. Be confident in your data with the only EPA-verified rapid bacteria technoloay with a documented RSD of less than 6%.

Our customer-driven team is dedicated to providing exceptional technical support specific to your application and is backed by friendly customer support to make sure your project is effortless.

#### Myron L Company

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2450 Impala Drive Carlsbad, CA 92010-7226 www.myronl.com

Kathryn Robinson (760) 931-9189 info@myronl.com

The Myron L® Company is a leading manufacturer of precision water quality instrumentation. For over 60 years, we have provided cost-effective, lab-accurate, reliable, and simple-to-use tools for both laboratory and field use—some of our instruments have been in continuous use for more than 50 years. We support our customers with personalized service and technical support for the life of our products. Our handheld meters and inline monitor/ controllers are used in laboratory, industrial, commercial, and municipal markets by professionals around the world to measure, monitor, and control conductivity, resistivity, TDS, pH, ORP, Dissolved Oxygen, Hardness, Alkalinity, and Temperature.

#### Nantong Kanghua Chemical Co., Ltd

No. 108, Shanghai Road, Binjiang Fine Chemical Industrial Zone, Qidong, Jiangsu 226200 China www.kanghuachem.com

Wendy Liu +008651383201590 zj@kanghuachem.com

Founded in 2009, NKC (Nantong Kanghua Chemical Co., Ltd.) engages in the production of tolyltriazole (TTA) and benzotriazole (BTA), with an annual output of more than 4,000 tons. The company possesses advanced production and inspection equipment, and the factory and the facilities are all designed strictly according to the international standard for providing customers with safe and highquality products. We wish to service the vast customers at home and abroad with more superior products.

# Neptune, part of PSG, a Dover company

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22069 Van Buren Street Grand Terrace, CA 92313 www.psgdover.com

Kristina Wilson (909) 222-1325 kristina.wilson@psgdover.com

Neptune Chemical Pump Company is a manufacturer of metering pumps, portable mixers, chemical feed systems, and liquid polymer blending systems plus water treatment accessories, including bypass feeders, bromine feeders, glycol feeders, filter feeders, sample coolers, injection quills, and corporation stops.



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# North Metal & Chemical Company

609 E. King Street York, PA 17403 www.nmc-nic.com

Dave Fitzgerald (717) 577-7941 dfitzgerald@nmc-nic.com

Founded in 1921, North Metal & Chemical Company is the value leader in industrial water treatment chemicals. Still familyowned, we are the largest manufacturer of sodium molybdate in the United States. Orders can be shipped same or next day due to keeping deep stock of a comprehensive line of azoles, amines, phosphonates, and high-performance NorthQuest polymers. Stop by and find out how we do it so much better.

#### Nouryon, formerly AkzoNobel

525 West Van Buren Street Chicago, IL 60607 www.surfacechemistry.nouryon.com/ markets/water-treatment/

John Anderson (214) 437-6686 john.anderson@nouryon.com

Nouryon understands that when you invest in a partner, you expect to receive reliable, cost-effective solutions that will address even your most complex industrial water treatment challenges. Nouryon has been developing innovative and patented technologies in the water treatment field for over 30 years. During that time, we've established a global presence and cultivated a team of dedicated technical experts to help you select and develop solutions for all your industrial water treatment needs. We are manufacturers of unique scale control polymers, biocides, metal precipitants, filming amines, and a new antifoam.

Leverage our talented specialists and our years of experience to make your products more efficient, more effective, and more sustainable.

#### NuStream Filtration, Inc.

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1257 Stanley Avenue Dayton, OH 45404 www.NuStreamFiltration.com

Jim Baker (937) 949-3174 jim@nustreamfiltration.com

NuStream's high efficiency filter removes particulate from cooling tower water down to the submicron level with 1–3% of the recirculation side stream flow.

The CT70 filter has an optional polisher that removes *Legionella*.

NuStream also manufactures reverse osmosis systems for pretreatment.

#### Occidental Chemical Corp.

14555 Dallas Parkway Dallas, TX 75254 www.oxy.com

Robert Martineau (972) 404-3406 robert\_martineau@oxy.com

Towerbrom® and Towerchlor®, OxyChem's family of oxidizing biocides, are excellent sources of available bromine and available chlorine for the control of biofouling in cooling waters and other industrial water treatment applications. These products, based on OxyChem's chlorinated isocyanurates, are concentrated, cost competitive, highly effective, and easy to use. They are available in either sustained release tablet form or quick-dissolving granular form for continuous feed or shock feed treatment methods. OxyChem is also one of the nation's largest suppliers of sodium chlorite to service companies that provide chlorine dioxide and equipment to markets in municipal water management, papermaking, food processing, and industrial water treatment markets. Sodium chlorite is available in dry form or as a solution

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# **ODYSSEE Environnement**

ZA de la Belle Croix Requeil, DE 72510 France www.odyssee-environnement.fr

Xavier Labeille +33677100527 x.labeille@odymail.fr

ODYSSEE delivers the latest innovations in sustainable water treatment while protecting the natural resources of our planet. Our 30 years of water treatment experience and polyamine knowledge help you meet your goals faster and with more effective results. Our Proposition: We offer ODYSSEE's leading-edge organic chemistry (the best in class anticorrosion protection), based on the French filming amines, for treating steam boilers, closed-loop systems, and cooling towers (mastering Legionella control, thanks to the cleaning effect). We partner with you to ensure the best of long-term efficiency, quality, and safety.

# Pacific Sensor LLC

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2501 Mayes Road Carrollton, TX 75006 www.pacificsensor.com

Paul Fletcher (972) 242-5750 paul@pacificsensor.com

Pacific Sensor has been supplying quality corrosion monitoring equipment and services to water treatment industries around the world for over 25 years. We manufacture corrosion coupons, holders, and racks and provide weightloss analysis after exposure.

# Peabody Engineering Rotational 539 Molding

13435 Estelle Street Corona, CA 92879 www.4peabody.com

Mark Peabody (951) 734-7711 Mark@4Peabody.com Peabody Engineering & Supply is a manufacturer of rotational molded single and dual-wall chemical feed tanks featuring Gemini®, Gemini2®, and ProChem®. The company offers featurerich designs, and custom company logos are available. Peabody also manufactures PCS pump containment enclosures for safe secondary containment of chemical metering pumps, process chemical storage tanks from 5 gallons to 20,000 gallons, and ProChem® LS – Ultrasonic Level Sensors with a pre-programmed calibration menu.

# Phigenics, LLC

3S701 West Avenue Warrenville, IL 60555 www.Phigenics.com

Anne Burt (651) 200-4612 aburt@phigenics.com

Phigenics is the leading independent provider of ANSI/ASHRAE 188-compliant and CMS-compliant water management programs. We collaborate with water treatment providers to have an immediate impact on improving water safety (potable and utility) in clients' facilities. Phigenics will address the water management program design and implementation in concert with water treatment providers supporting these clients with defensible validation testing (Legionella and other) using Phigenics' state-of-the-art diagnostics and real-time data management.

# Process Engineered Water Equipment, LLC

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19215 SE 34th Street, Suite 106-202 Camas, WA 98607 www.pewe-llc.com

Stuart Ward (360) 798-9268 ward@pewe-llc.com

PEWE manufactures a complete product portfolio of liquid/solid separation systems. Products include screens, plate settlers, oil/ water separators, DAF units, dewatering

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equipment, and chemical feed accessories. Patent pending design makes PEWE system technolaically innovative and efficient. Systems include:

- SuperSkreen Sidehill, External, Internal
- G-SEP Plate Setter
- OZ Oil/Water Separator
- HD XLRator DAF
- T-MAX DAF
- NxJEM DAF
- Polv-E DAF
- Dueler DAF
- DeWater System Filter Press
- PolyAccu Dose Chemical Stations

#### ProMinent Fluid Controls, Inc.

136 Industry Drive Pittsburgh, PA 15275 www.prominent.us

Scott Staniszewski (412) 788-7919 staniszewski.scott@prominent.com

ProMinent Fluid Controls, Inc. is a global manufacturer of chemical metering pumps, water quality instrumentation, specialized disinfection equipment, and pre-engineered or custom systems.

#### Pulsafeeder, Inc.

27101 Airport Road Punta Gorda, FL 33982 www.pulsatron.com

Kim Reid (941) 575-3800 ppgspotech@idexcorp.com

Pulsafeeder is recognized as a leader in fluid handling technologies, manufacturing water treatment controllers, chemical metering pumps, pre-engineered systems, glycol feeders, and accessories.

MicroVision EX controller with conductivity. pH, and ORP come standard with our Toroidal probe, which eliminates the need for calibration and is maintenance free. PULSAlink Communications enables safe communication with your MicroVision EX controller from anywhere on your laptop or mobile device. Receive live readings and alarm notifications, and even change

your controller settings. Remotely configure and customize your controllers auickly and easily with Install Wizard.

From our controllers and our metering pumps, including trusted brands such as PULSAtron, Chem-Tech, BLACKLINE, and Mec-O-Matic, we are here to meet your needs with world-class products and customer service.

#### Pumps and Controls

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1003 Enterprise Place, Suite 107 Arlington, TX 76001 www.pumptx.com

Troy Welch (817) 472-7337 troy@pumptx.com

Custom Prefab system for water treatment companies. We have standard systems and custom designs. Pumps and Controls has been in the systems business since 1986 and sells a full line of controls and pumps along with accessories. Or you can provide us with the equipment, and we will mount it.

#### Pure Water for the World

P.O. Box 55 Rutland, VT 05702 www.purewaterfortheworld.org

Nathalie Pratt (802) 747-0778 info@purewaterfortheworld.org

Pure Water for the World, AWT's charity partner, is a nonprofit organization dedicated to improving the health and livelihood of children and families by providing effective tools and education to establish sustainable safe water, hygiene, and sanitation solutions. PWW works with rural and/or underserved communities across Central America and the Caribbean.

AWT members can work with PWW in the following capacities:

- Advisory: Technical advice/support
- Awareness: Events/special fundraising, guest blogs, newsletter stories
- Action: Hands-on trips to Haiti/Honduras
- Aid: In-kind and financial donations

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# **Purolite Corporation**

150 Monument Road, Suite 202 Bala Cynwyd, PA 19004 www.purolite.com

Gabe Austin (951) 330-1816 gabe.austin@purolite.com

Purolite is the leading manufacturer of quality ion exchange, catalyst, adsorbent, and specialty high-performance resin. We are the only company that focuses 100% of its resources on the development and production of resin technology. We're ready to solve your process challenges.

# Pyxis Lab, Inc.

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1729 Majestic Drive, Suite 5 Lafayette, CO 80026 www.pyxis-lab.com

Matt Mauch (866) 203-8397 service@pyxis-lab.com

Pysis is dedicated to offering cutting-edge instruments and chemicals for customers in the water treatment industry. Our products are designed for experienced professionals who are seeking the latest and best technology. Stay tuned for additional exciting products.

# Qingdao Yaodong Biological Engineering Co. Ltd

111 Yanyang Road, Cheng Yang Distr. Qing Dao City, OUSC 266109 P. R. China http://www.yaodongbio.com/

Kauhwa Wei (626) 549-8556 c384079@yahoo.com

Yaodong Group is a scientific and technological enterprise focusing on the development, production, and application of biotechnology. The company takes the development of bioenvironmental protection technology as the main line and the three series products of microbial flocculants, microbial sulfide oxidase preparations, and biocleaning agents as the pillars. It is committed to promoting the upgrading of industrial cleaning agents by biotechnology. It integrates R&D, production, marketing, and international trade, and dedicates itself to natural, highquality, and safe environmental protection products for society.

#### QualiChem, Inc.

P.O. Box 926 Salem, VA 24153 www.qualichem.com

Doug Frassa (540) 375-6700 dfrassa@qualichem.com

QualiChem is a private label formulating manufacturer of water treatment chemicals. The company was recognized by AWT as the 2016 Supplier of the Year for outstanding customer service, quality of product, and contributions to the industry. Our ISO 9001:2015 processes and technical and sales support by our multiple CWTs on staff, as well as our "no direct sales" approach, result in a product offering for regional sales and service companies unparalleled in the industry. Contact us to see why "The Blender Matters."

# Quantrol, Inc.

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9001 Hanslik Court Naperville, IL 60564 www.guantrol.com

Drew Hallam (630) 200-8151 dhallam@quantrol.net

Quantrol represents dependable equipment manufacturers that have a long history with AWT, including Pulsafeeder, Myron L, J.L. Wingert, Carlon Meter, and Peabody Engineering, as well as our own line, Quantrol Filtration Products.

# **Radical Polymers**

56 N. Crest Road Chattanooga, TN 37404 www.radicalpolymers.com

Mike Standish (423) 316-9877 mike.standish@radicalpolymers.com

Radical Polymers is the proud winner of the 2018 AWT Supplier of the Year Award. Radical Polymers is focused on the design, development, and evaluation of polymers for water treatment applications. Our business is oriented specifically to service the AWT membership with highquality additives and new polymer technologies for mineral scale control in boiler, cooling, reverse osmosis, and process water applications. Radical Polymers has developed best-in-class INITIA polymer technologies that provide highly differentiated performance. Our business is highly focused on a customer first imperative where we provide exceptional technical and customer support. Please visit our booth to see how we can become a collaborative contributor to your team.

#### ResinTech, Inc.

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160 Cooper Road West Berlin, NJ 08091-9243 www.resintech.com

Jocelyn Wallace (856) 768-9600 jwallace@resintech.com

ResinTech manufactures a broad range of ion exchange resins, activated carbons, and selective adsorbents for water and wastewater treatment. An industry leader for over 30 years, ResinTech has led the way in ion exchange research and development. Our premium quality media, legendary technical support, and patented technologies help dealers and operators worldwide to ensure optimal water quality for a wide array of applications. Together with its corporate subsidiaries ACM Technologies and Aries FilterWorks, the ResinTech family of companies provides products and services to support all phases of IX resin life cycle from media formulation to ion-exchange application to resin regeneration.

# **RJ Filtration**

5441 Aldrin Court Bakersfield, CA 93313 rjfiltration.com

Thomas Brown (661) 833-9603 thomas@rjfiltration.com

RJ Filtration, Inc. is known internationally for its superior line of Baleen Max FE residential and commercial filtration cartridges. Having decades of experience in the supply of advanced OEM replacement filters, the Baleen Max FE brand is prominent for its consistent quality and well-known factory-direct pricing on its complete line of Sediment, Pleated, String Wound, and Max FE Performance Activated Pure Coconut Carbon Block Cartridges. Along with superior filtration cartridges, Baleen Max FE is honored to present its Advanced Pure Ultra™ (APU) 75 GPD Residential UV system and hundreds of other advanced media products, housings, and more. Experience the Baleen Max FE difference and receive superior pricing and advanced filtration. Contact a Baleen Max FE team member today and advance your success with Baleen™.

# Sanipur US LLC

912 Spring Mill Avenue Conshohocken, PA 19428 www.sanipur.com

Dana Hannigan (484) 351-8702 d.hannigan@sanipur.com

Sanipur is a world leader in remediation and disinfection technologies for *Legionella* and other waterborne pathogens in building water systems. Sanipur Distributors have all the right tools to provide their clients with the best available technologies. From the patented Sanikill® Monochloramine systems for

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the remediation in domestic water to the FILT'RAY point-of-use filters, Sanipur distributors are trained and equipped to beat the competition with products and programs that have demonstrated superior performance in numerous academic. peer-reviewed investigations, both in the United States and Europe. With industry standards such as ASHRAE 188, and state and city codes like those promulgated in New York, all water treatment firms must be prepared to address their clients' needs in these critical water hyaiene areas. Come on board and become a Sanipur Star Distributor. Work with our experienced team of scientists and water treatment professionals to reduce risk for your clients quickly and cost effectively while growing your business.

# SEKO Dosing Systems Corporation USA

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913 William Leigh Drive Tullytown, PA 19007 www.seko.co/uk

Paul Twiss +447715665149 p.twiss@seko.com

SEKO is a Global Group that for more than 40 years has been designing, developing, manufacturing, and delivering its products in more than 120 countries through its 22 subsidiaries and an extended network of distributors, agents, and authorized dealers.

SEKO is a leading manufacturer specialized in the design and production of peristaltic, solenoid, and motor-driven dosing pumps, dosing skids, and measure and control instruments for multiple chemical parameters. It is the breadth of its range and SEKO's specific experience that allows it to deliver innovative solutions with outstanding reliability and efficiency in collaboration with its customers and partners. SEKO's established and successful market presence has allowed it to bring outstanding solutions for its customers in the areas of dosing, injection, and transfer of liquids in diversified applications in many industrial applications across the water treatment industry.

# Shandong Boke Water Treatment Co., Ltd.

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Lunan High-tech Chemical Industrial Park, Tengzhou Zaozhang 277500 China www.bokewater.net

Zeng Furu +86 632 5366998 ashley@bokewater.net

Boke is a professional manufacturer in R&D, production, and technology service of water treatment chemicals. The products are divided into eight series and more than 100 varieties, and are widely used in industrial circulating cooling water systems such as electric power, metallurgy, and petrochemical; reverse osmosis systems; oil extraction; daily chemicals; textiles and dyeing; paper and pulp; ceramics; coatings; electronics cleaning; sugar making; aquaculture; and agriculture.

Boke has a strong technical support system and profound technology accumulation; it can customize and develop products according to different application fields and customer requirements.

Boke is always improving production technology and developing new products, making the production process more green and reducing energy consumption.

#### **Smart Release**

11230 Katherine's Crossing Woodridge, IL 60517 www.dober.com

Nicole Kulaga (630) 410-7300 nkulaga@dober.com

Smart Release technology is a diffusionbased, nonhazardous solid tablet or membrane that will provide reliable and accurate release of scale/corrosion

inhibitor and biocide over a specified period. There are no chemical pump or container disposal issues, and the product is shipped as nonhazardous. Smart Release is your green innovative water treatment program.

#### SNF Holding Company

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1 Chemical Plant Road Riceboro, GA 31323-0250 www.snf.us

Jessica Knauss (912) 880-2061 jknauss@snfhc.com

Manufacturer of organic coagulants and flocculants.

# Solid State Technologies, LLC

P.O. Box 871 Itasca, IL 60143 www.solidstatetech.net

Teresa Williams (855) 927-6543 teresa@solidstatetech.net

Solid State Technologies is the leader in private-labeled, high-performance, ultraconcentrated, liquid water treatment chemistries for cooling, boiler, and closedloop system applications, along with a line of EPA-registered biocides. Discover our Simplicity program, which provides you with flexibility to save space, eliminate drums, increase employee safety, reduce freight/handling costs, and eliminate the complications associated with the traditional solid-to-liquid dispensing application processes. Solid State Technologies can supply all the pumps, ultra concentrates, and equipment necessary to get you up and running quickly! Contact us today and see how Solid State is focused on making water treatment safer, simpler, and smarter!

# **Spartan Bioscience**

2934 Baseline Road Ottawa, ON K2H 1B2 Canada www.spartanbio.com

Tara Jones (613) 228-7756 x714 tara.jones@spartanbio.com

Spartan Bioscience is the leader in ondemand DNA testing. Spartan Bioscience is the creator of the world's first onsite *Legionella* DNA test. The system consists of a coffee-cup-sized portable DNA analyzer called the Spartan Cube® and a single-use disposable test cartridge. The system is the winner of the 2018 AHR Expo Innovation Award for Indoor Air Quality, as judged by the American Society of Heating, Refrigerating and Air-Conditioning Engineers (ASHRAE).

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# Special Pathogens Laboratory 357

1401 Forbes Avenue, Suite 401 Pittsburgh, PA 15219 www.specialpathogenslab.com

Connor Olson (412) 281-5335 colson@specialpathogenslab.com

Special Pathogens Laboratory (SPL), The Legionella Experts<sup>®</sup>, delivers evidencebased solutions that prevent disease and save lives from Legionella and other waterborne pathogens found in building water systems. Founded by Dr. Janet E. Stout, SPL is recognized worldwide for more than 30 years of clinical and environmental expertise in Legionnaires' disease prevention. SPL offers Total Legionella Control, an integrated platform of evidence-based solutions, which includes Legionella and waterborne pathogens testing; collaborative consulting and education; and the ZEROutbreak® solution—the only validated strategy proven by studies in peer-reviewed journals to prevent outbreaks. Designed by clinical and environmental Legionella experts, the ZEROutbreak standard promotes zero outbreaks and ensures

compliance with state regulations, the ASHRAE 188 standard, and requirements for the Centers for Medicare & Medicaid Services. SPL partners with water treatment professionals by providing *Legionella* expertise and resources to expand their services to meet the increasing demand for *Legionella* risk management. We provide *Legionella* seminars, co-branded marketing materials, Test to Protect rewards, and referral fees.

#### Spectra Colors Corporation

535

25 Rizzolo Road Kearny, NJ 07032 www.spectracolors.com

Mary Valentine (201) 997-0504 mazryvalentine@spectracolors.com

Spectra Colors Corp. is a producer of 1,3,6,8 - PYRENE TETRA SULFONIC ACID TETRA SODIUM SALT (PTSA), which is the cleanest PTSA available in the market. For your water treatment applications, we can also provide Fluorescein and Rhodamine. Spectra can provide dyes for all applications, such as leak detection, pond water, sewer analysis, plumbing/piping tracing, FDA certified dyes and lakes, industrial/chemicals, and HI&I. For more information, come see us at our booth or visit our website at www.SpectraColors. com.

#### SPI Bio Inc.

649

2650 Rue Maximilien Chagnon Sherbrooke, PQ J1E 0M8 Canada www.spibio.ca

Etienne Lemieux (819) 572-5659 etienne.lemieux@spibio.ca

SPI Bio developed the first continuous onsite monitoring solution for Legionella pneumophila contamination. The problem we are addressing is the lack of rapid and specific analysis methods for risk management. Using an innovative approach, SPI Bio created the BioAlert detection device, the first fully automated and integrated solution for the detection of *Legionella* bacteria for industrial equipment; it aims to provide a level of safety worthy of the best industry 4.0 standards for better protection of your facilities. Only a continuous screening tool makes it possible to provide real preventive measures in addition to optimizing chemical treatment and reducing operating costs.

SPI Bio's mission is to develop and market autonomous analysis instruments against harmful biological organisms in cooling waters. Our product differentiation is making microbiological risk assessment easy and affordable in order to reduce costs and legal risks associated with this concern.

#### Stenner Pump Company

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3174 DeSalvo Road Jacksonville, FL 32246 www.stenner.com

Jim Casey (904) 641-1666 jcasey@stenner.com

Established in 1957, the Stenner Pump Company manufactures peristaltic metering pumps for reliable and accurate injection. Select a robust or compact pump or a pre-packaged tank or meter system to treat problem water or inject additives into a water system or industrial process. The pump line includes variable speed, 7-day/24-hour timer, proportional, flow activated, OEM, 1:128 medicators, and electromechanical pumps. Tube replacement without tools is standard with Stenner pumps. Accessories include tanks, stainless steel and plastic water meters, pump control interface, flow indicator, and flow switch. Stenner maintains a three-day lead time with three shipping locations to serve you.

# Suez Water Technologies & Solutions

702 First Street SE Moultrie, GA 31768 www.suezwatertechnologies.com

David Kirkland (229) 589-0974 david.kirkland@suez.com

Our company is a leading provider of solutions for water, wastewater, desalination, and process systems. We deliver value by working with local regional companies to deploy our advanced technologies that help solve the world's most complex water-related problems.

#### Taylor Technologies, Inc.

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31 Loveton Circle Sparks, MD 21152 www.taylortechnologies.com

Chris Golden (410) 771-4291 chris@taylortechnologies.com

Through years of field experience, Taylor has earned the reputation as "the most trusted name in water testing." Taylor has maintained this standing by continually producing top-quality products that set the industry standard. Taylor is a manufacturer of the TTI® 3000 Colorimeter, drop tests, color-matching tests, combination kits, reagents, and standard solutions, and a distributor of Myron L meters. Custom kits and labeling are available upon request. Taylor is an ISO 9001:2015 certified company and received the 2013 AWT Supplier of the Year Award. Ask about our AWT discount.

# Thermal Charge

3100 Sanders Road Northbrook, IL 60062 www.peakhd.com

Jasmin McDermott (847) 443-0698 jmcdermott@owi.com

We have a long history of expertise in the

antifreeze industry but also have a full line of glycol-based heat transfer fluids called Thermal Charge. You will find these product pages at www.peakhd.com/product\_ lines/thermal/.

#### Tiarco Chemical

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1300 Tiarco Drive Dalton, GA 30721 www.tiarco.com

Greg Mecimore (704) 578-2755 gmecimore@trcc.com

Tiarco Chemical manufactures a complete line of scale-control polymers to fit any need for potable and nonpotable water, cooling towers, chillers, and boilers. Tiarco manufactures heavy metal precipitants for wastewater treatment. Tiarco is also a custom manufacturer that designs and produces private-label chemicals for other suppliers.

# Tygrus

1132 E. Big Beaver Road Troy, MI 48083 www.tygrus.com

Sam Mathew (248) 412-1234 smathew@tygrus.com

Tygrus is a platform technology company that has innovative, proprietary chemistries and systems for use across a wide range of industries, from water and industrial waste stream remediation to industrial cleaning solutions and food processing. Our mission is to better everything. With our systems and products, we are able to remediate hazardous waste streams, reduce the use of hazardous chemicals, improve food safety, eliminate preservatives in the personal care industry, and provide healthier cleaning products. We love this planet and believe it's our responsibility to make sure it's sustainable. We're constantly seeking partners who will share in our mission to help make our world a better place.

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# U.S. Micro-Solutions, Inc.

1075 S. Main Street, Suite 104 Greensburg, PA 15601 www.usmslab.com

Deanna Kiska (724) 853-4047 deannak@usmslab.com

U.S Micro-Solutions, Inc. is a fully accredited environmental microbiology laboratory. For over 20 years, we have provided guality Legionella testing services to water treatment specialists and healthcare facilities. USMS holds Legionella testing accreditation through CDC ELITE, AIHA-LAP, and New York ELAP. All samples are processed according to ISO 11731:2017, and identification is performed using stateof-the art technology (MALDI-TOF). USMS provides free collection supplies and can assist with proper sample collection and shipping to meet regulatory requirements. At USMS, we are committed to providing exceptional quality and outstanding customer service at competitive prices.

#### Uniphos, Inc.

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1011 West Lake Street, Suite 210 Oak Park, IL 60301 www.uniphos.com.cn

George Collias (708) 214-7130 gcollias.uniphos@sbcglobal.net

Uniphos Chemicals Co., Ltd. is a worldleading manufacturer of water treatment chemicals. Uniphos, Inc., a wholly-owned U.S. subsidiary of Uniphos Chemicals, was formed over 10 years ago to help supply chemicals to North American water treatment chemical companies and blenders. Typical chemicals supplied include phosphonates (such as PBTC, HPA, HEDP, ATMP, and DTPMPA), polymers (such as PCA and PMA), and oxygen scavengers (such as carbohydrazide). Uniphos technical representatives have more than 25 years of experience in water treatment chemicals to help Uniphos customers.

# Univar

3075 Highland Parkway, Suite 200 Downers Grove, IL 60515 www.univarusa.com

John Fulcher (331) 777-6280 john.fulcher@univarusa.com

Univar safely delivers chemistry that improves quality of life, providing affordable energy; clean drinking water; reliable food sources; and products that improve our health, homes, and environment. We provide water chemistry to the end user in both industrial and municipal applications and provide formulation chemistry to water treatment chemical/service companies.

# USABlueBook

P.O. Box 9005 Gurnee, IL 60031 www.usabluebook.com

Wayne Colson (847) 689-3000 wcolson@usabluebook.com

USABlueBook offers everything for water treatment, including complete lines of equipment in the following categories: Boilers, Cooling Towers, Filtration, Lab Testing & Equipment, Safety, and Wastewater. Plus, our nationwide distribution centers in Chicago, Boston, Atlanta, Las Vegas, and Dallas ensure fast delivery times. Get the best treatment with USABlueBook.

#### Vector Industries, Inc.

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2125 S. West Avenue Waukesha, WI 53189 www.vector-industries.com

Sue Jesse (262) 542-4550 sue@vector-industries.com

We have quality bypass compound feeders in 2, 5, 7 and 10 gallon sizes. All bypass feeders are powder coated for

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#### Walchem, IWAKI America Inc. 231

5 Boynton Road, Hopping Brook Park Holliston, MA 01746 nmanchester@iwakiamerica.com

Nancy Manchester (508) 474-2052 nmanchester@iwakiamerica.com

Walchem, Iwaki America Inc. is a leading manufacturer of online analytical instruments and electronic metering pumps. We provide innovative solutions by integrating our instruments, sensors, fluid handling, and extensive remote data communications technologies. Our success is driven by three tenets: advanced technology, quality customer service, and the development of a superior work force.

Iwaki America's operations located in Holliston, Massachusetts, include the design, manufacture, and worldwide distribution of its Walchem line of water treatment controllers and related products, along with the modification and assembly of Iwaki pumps and distribution of these pumps in the Americas.

#### Water Science Technologies

1701 Vanderbilt Road

Birmingham, AL 35234 www.wstsp.com

Marodi Cribari (303) 898-9544 mcribari@wstenergy.com

WST provides a complete line of biocides to the AWT community. Other products provided include scale and corrosion inhibitors, defoamers, and water treatment products.

#### WaterColor Management

P.O. Box 1132 Decatur, AL 35602 568

www.watercolormanagement.com Karen Seals (256) 260-0412

karen@watercolormanagement.com

WaterColor Management (WCM) is the original insurance organization that has provided unwavering support to companies and professionals in the water treatment industry since the AWT was founded in 1986. WaterColor now offers the broadest available insurance coverages that are specifically designed for water treaters, manufacturers, suppliers, and consultants.

# Watson-Marlow Fluid Technology 627 Group

37 Upton Drive Wilmington, MA 01887 www.wmftg.com

Christine Renaud (978) 988-5341 christine.renaud@wmftg.com

For decades, Watson-Marlow Fluid Technology Group has helped water and wastewater treatment plants to safeguard end-product quality, reduce cost of ownership, and minimize risk. Our peristaltic pumps have no valves, diaphragms, rotors, stators, universal joints, or lobes to fail. The risk of siphoning and gas locking, common in diaphragm pumps, is eliminated. They're simple to operate, accurate, self-priming, and capable of being run dry.

Watson-Marlow Qdos metering pumps are an easy drop-in replacement for diaphragm pumps, without the headaches. There is no ancillary equipment, and the patented ReNu® pumphead can be replaced quickly and easily, with no tools, for fast and safe maintenance.



ReNu peristaltic pumphead technology is at the core of the Qdos pump. This ensures the delivery of accurate and repeatable flow for fluids of wide-ranging viscosities. Process uptime is maximized by facilitating quick, safe, and easy pumphead removal and replacement, with no need for tools, no specialist training, and no maintenance technicians.

#### Wincom, Inc.

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11444 Deerfield Road, Suite B Blue Ash, OH 45242 www.wincom-inc.com

Jim Milawski (513) 936-0185 jim@wincom-inc.com

Wincom, Inc. is a manufacturer and distributor of high-quality corrosion inhibitors and functional additives. Wincom Inc. is committed to providing high-quality functional additives to manufacturers of engine coolants, water treatment packages, metal working fluids, lubricants, cleaners, and corrosion protection products. Most importantly, we deliver customer satisfaction through quality, technical service, competitive pricing, and personal interaction. We help customers choose the Wintrol® product that best meets their needs for performance and economics. Wincom is the only U.S. manufacturer of 100% domestic sodium tolyltriazole, making our Wintrol CT 100% tariff free



# **Upcoming Events**

# Training Seminars

# 2020 Technical Training (West)

February 26–29, 2020 Hyatt Regency Lake Washington Seattle, WA

#### 2020 Technical Training (East) March 18–21, 2020

Marriott Cleveland Cleveland, OH

# Business Owners Meeting

# 2020 Business Owners Meeting

February 10–11, 2020 Hyatt Regency Clearwater Resort Clearwater, FL

# Annual Conventions

# 2020 Annual Convention & Exposition

September 30–October 3, 2020 Kentucky Convention Center Louisville, KY

# 2021 Annual Convention & Exposition

September 22–25, 2021 Providence Convention Center Providence, RI

#### 2022 Annual Convention & Exposition

September 21–24, 2022 Vancouver Convention Centre Vancouver, Canada

#### **2023 Annual Convention & Exposition** October 4–7, 2023

Devos Place and Amway Grand Hotel Grand Rapids, Michigan

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## 2020 ANNUAL CONVENTION AND EXPOSITION

## SEPTEMBER 30-OCTOBER 3, 2020

