

ISPE Boston Area Chapter Presents:

WEBINAR: How to Take the Guesswork out of Your Water Purification System

Thursday, May 7, 2020

12:00 – 1:00 PM EST

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SPEAKER:

Brian Hagopian, CPIP., Clear Water Consulting, Inc.

PROGRAM SUMMARY:

This will be an introductory to intermediate level session providing attendees with a basic understanding of water purification and will cover contaminants, treatment processes, distribution systems, and water quality standards. The session will cover several common misconceptions about water purification equipment and systems, control of bacteria and biofilm, and how to verify water purity, etc.

We will start with the basics to get everyone on the same page. Water is the most commonly used material used in the manufacture and purification of many biotech and pharmaceutical products and medical devices. Water may be used as an ingredient, a solvent, a diluent, a cleaner, or for other purposes. We will cover why water needs to be purified and how dozens of different purification steps are typically integrated to get the right water purity for its intended use. The webinar will review the contaminants/impurities that exist in the incoming water supply and discuss why some of these materials need to be removed (while others do not) based on the intended use of the water. We will touch on different grades of water as identified by various pharmacopoeias and consensus standards (ASTM, CAP/CLSI, pharmaceutical, and microelectronics grades). We will present a broad overview of why different grades of water purity exist.

After covering the basics, we will discuss some of the common misconceptions about water purification, terminology, monitoring, sampling, bacteria, etc. Come ready to learn and have fun at this session!

Brian Hagopian, CPIP., Clear Water Consulting, Inc.

Brian Hagopian, CPIP is the President of Clear Water Consulting, Inc., a company offering consulting, design, engineering, validation, troubleshooting and training in both high purity water and wastewater treatment systems. Brian has over 35 years of hands on industry experience and is considered a high purity water subject matter expert. Brian is an instructor at Worcester Polytechnic Institute's Biomanufacturing Education and Training Center and is also a Massachusetts certified instructor offering in-person, remote, and online courses for training and licensing of industrial wastewater operators. Brian is a charter member and Past President of the Boston area chapter. He is one of ten people to have received the Hank Moes Lifetime Achievement Award and is one of 150 people in the world to have attained the Certified Pharmaceutical Industry Professional (CPIP) certification. Brian continues to be actively involved with the Boston Chapter's Student Development Committee and Mentoring Program. More globally, Brian is on the Steering Committee of ISPE Critical Utilities COP where he has led teams of experts and authored several ISPE technical documents including the ISPE Good Practice Guide on Sampling of Pharmaceutical Water and Steam Systems and the updated ISPE Baseline Guide on Pharmaceutical Water and Steam Systems.

WHO SHOULD ATTEND THIS WEBINAR:

Anyone interested in quality of water being used in their buildings including engineering, facilities, manufacturing, quality control / quality assurance, design, and construction.

PROGRAM SPONSORS:



REGISTRATION FEES:

Registration by 4/22/2020

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| <input type="checkbox"/> Members | FREE |
| <input type="checkbox"/> Young Professional Members | FREE |
| <input type="checkbox"/> Nonmembers | \$15 |
| <input type="checkbox"/> Students | FREE |

LOG-ON INFORMATION:

One week prior to the webinar a confirmation e-mail will be sent with the unique registration link to the webinar meeting room. Use the link to register on the GoToWebinar platform. Once your registration is approved, an additional confirmation e-mail with detailed information to use the day of the webinar will be sent to you. Should you have any questions or concerns, contact the office by calling (781) 647-4773 or e-mailing office@ispeboston.org.

The webinar can be accessed through phone, online, or through the webinar app. For more information, visit [GoToWebinar's FAQ page](#).

REGISTRATION IS NOW OPEN ONLINE!

Don't waste time filling in the form! Register online at www.ISPEBoston.org/Events.