



## *Water Distribution System: Operations and Maintenance*

This workshop is a must attend if you are interested in the components of your water distribution system and what it takes to operate them efficiently. This workshop is geared for operators, maintenance crews, and engineers.

**Date:** March 29, 2017  
**Venue:** Howard County Bureau of Utilities  
8250 Old Montgomery Rd, Columbia, MD 21045  
**Time:** 8:30 am – 2:30 pm (EST) \*  
**Invitees:** Open to All

### **Guest Speakers:**

**Dave Eckstein – EBAA Iron** – Calculating joint restraint, restrained piping systems and joint restraints for different pipe materials.

**Steve Cooper, Jay Pervez – Uni-Bell** – Design of PVC pipe for water mains and sewer force mains. PVC pipe manufacturing and installation.

**Greg Horn – Ductile Iron Pipe Research Assoc.** – What we have learned from Flint – a technical perspective. Modern innovations in the Ductile Iron Pipe industry – sustainability, design decision model, seismic design.

**Joe Kyle – American Flow Control** – Design, manufacture and operation of resilient seated gate valves and fire hydrants.

**Ian Moore – Mueller Co.** – Pipe drilling and tapping. Operation and maintenance of valves and fire hydrants.

### **Registration:**

Required by 3/26/2017

Limited seats available.

### **Fee:**

**CSAWWA/WWOA Members**

“Thank You!” Rate: \$20

Non-Members: \$25

\*Lunch will be provided

**For more information, contact:** Raj Arora  
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### **Register online:**

<https://www.regonline.com/2017WaterDistributionSeminar>

Or visit our website for more info: [www.csawwa.org](http://www.csawwa.org)

Need help? [info@csawwa.org](mailto:info@csawwa.org) 443.924.1032

**Operators:** This event is being submitted for approval by the Maryland Board of Waterworks and Waste System Operators, for 4 hours of continuing education credit. Information regarding the course number and applicable certification data will be provided at the workshop.

**Professional Engineers:** This event is approved for 4 credit hours of continuing education.

Sponsored by:

**CSAWWA Water Distribution Committee 2017  
Howard County**