

## Overview of Training

This training is intended to provide certified TREATMENT AND DISTRIBUTION water operators and operators-in-training and other personnel with a basic understanding of water sources, impurities contained in water, basic water chemistry and chemical relationships. This training will also provide an understanding of the purpose of different methods of water sampling as well as the importance of field analysis of certain critical parameters in addition to laboratory analyses. Finally, this training will present methodologies to evaluate and assess water quality, corrosion and scale potential, and assess treatment needs.

## Who Should Attend?

Water and wastewater system operators, superintendents, managers, and owners.

## Instructors

**Robert Ferrari, P.E.**, President, Northeast Water Solutions, has forty (40) years of professional experience in the process and environmental engineering fields, including the planning, design, construction and operation of public and private water treatment and distribution systems, industrial and municipal wastewater treatment systems, pump stations and process utility systems. This experience includes all areas of water supply, treatment and distribution including groundwater, surface water and seawater sources. Specific experience includes source identification, characterization and capacity determination, demand analysis, as well as the development of water supply wells and pumping systems. This experience includes systems located throughout the United States and numerous foreign countries.

*If you would like ASRWVA to hold a training course at your facility please contact Jason Blais at 860-370-5759 or via email at [jasonblais@asrwva.org](mailto:jasonblais@asrwva.org)*

*Atlantic States Rural Water & Wastewater Association represents water and wastewater systems through technical, financial, and managerial support.*

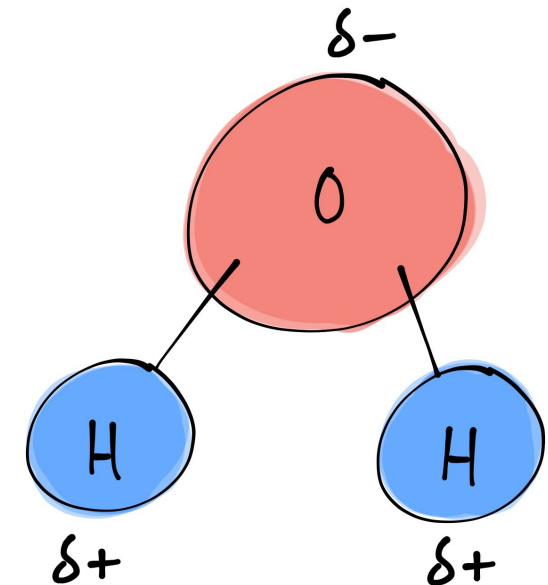
Atlantic States Rural Water & Wastewater Association  
11 High Street, Suite 204  
Suffield, CT 06078



Training for All Water  
System Personnel

## Water Chemistry Basics

Class #1802 A-D



March 29, 2018 - Pawtucket, RI  
March 30, 2018 - North Kingstown, RI  
April 10, 2018 - Winsted, CT  
April 11, 2018 - Middlefield, CT

*Sponsored by:*

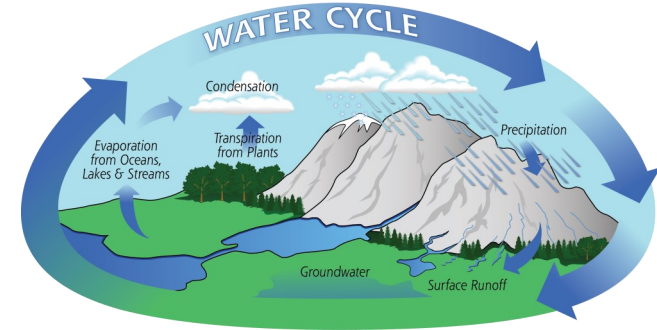
*The U.S. Environmental Protection Agency and the  
Atlantic States Rural Water & Wastewater Association  
11 High Street, Suite 204, Suffield, CT 06078  
Tel: 860-370-5759, Fax: 860-370-5784*

*[www.asrwva.org](http://www.asrwva.org)*

# Water Chemistry Basics (#1802A-D)

## Agenda

- ◆ Raw water sources and their impact
- ◆ BREAK
- ◆ Water chemistry and evaluation
- ◆ BREAK
- ◆ Worksheet, questions and answers



## Agency Approval

RI DOH: 4.0 TCHs  
CT DPH: 4.0 TCHs (T & D)\* TD-2-1888  
(excludes registration and breaks)

\* T: Treatment, D: Distribution, S: Small Water Systems

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## Dates and Locations

**March 29, 2018 (#1802A)<sup>1</sup>**  
Pawtucket Water Supply Board -  
T&D Conference Room  
239 Grotto Ave, Pawtucket, RI 02860  
<sup>1</sup> Registration: 7:30am; Class: 8:00am - 12:30pm

**March 30, 2018 (#1802B)<sup>2</sup>**  
Quonset Development Corp - Annex Building  
95 Cripe Street, North Kingstown, RI 02852  
<sup>2</sup> Registration: 7:30am; Class: 8:00am - 12:30pm

**April 10, 2018 (#1802C)<sup>3</sup>**  
Winsted Fire District  
27 Elm St, Winsted, CT 06098  
<sup>3</sup> Registration: 8:30am; Class: 9:00am - 1:30pm

**April 11, 2018 (#1802C)<sup>4</sup>**  
Middlefield Community Center  
405 Main St, Middlefield, CT 06455  
<sup>4</sup> Registration: 8:45am; Class: 9:00am - 1:30pm

## Class Fee

\$95 per ASRWWA member  
\$125 per Non-member



Please continue to visit ASRWWA's website and Facebook Page for the latest training updates, delays, and cancellations.

ASRWWA offers fully approved CT DPH, CT DEEP, RI DOH, and RI DEM training classes and seminars.

## Water Chemistry Basics (#1802A-D)

Name(s): \_\_\_\_\_

System/Company Affiliation: \_\_\_\_\_

Mailing Address: \_\_\_\_\_ City: \_\_\_\_\_ State: \_\_\_\_\_ Zip: \_\_\_\_\_

Phone #: \_\_\_\_\_ Fax #: \_\_\_\_\_

E-mail Address\*: \_\_\_\_\_

\* Training Certificates will be emailed to the address provided  I would like to subscribe my email address to receive future training announcements

Location (please circle): Pawtucket, RI 3/29/2018 (#1802A) North Kingstown, RI 3/30/2018 (#1802B)

Winsted, CT 4/10/2018 (#1802C) Middlefield, CT 4/11/2018 (#1802D)

Fee: \$ 95 per ASRWWA Member \$ 125 per Non-member

To register, visit our website, or email to: ASRWWA • 11 High Street, Suite 204, Safford, CT 06078 • jasonblais@asrwwa.org • Tel. 860-370-5759 • [www.asrwwa.org](http://www.asrwwa.org)

