



# PFAs and Arsenic in Our Water and Wastewater

**Date:** Thursday July 18, 2019

**Location:** City of Portsmouth Water Treatment Plant, 60 Freshet Road, Madbury NH 03823

**Time:** 8:00am – 3:00pm (*Registration begins at 7:45 am*)

**Credit:** 6.0 TCH's will be awarded to those who attend 100% of the course.  
NH DES water & wastewater credit approved.

**Cost:** **\$99 Members, \$130 Non-members. Lunch included.**

**Instructors:** Paul Indeglia (Environ Science & Engineering, PIIC)

**Agenda:** New Hampshire has an abundance of naturally occurring arsenic in its groundwater, which serves as drinking water for the vast majority of the State's population. Recently, New Hampshire and, indeed, much of the rest of country has been faced with another problem regarding water quality: the introduction of per- and polyfluoroalkyl substances (PFAS) such as perfluorooctanesulfonic acid (PFOS) and perfluorooctanoic acid (PFOA). The presence of these chemicals in groundwater presents challenges to both water and wastewater plant managers. GSRWA is pleased to offer a training course covering issues related to PFAS and arsenic in drinking water and wastewater. This six-hour course will cover sources, chemical properties, and toxicological impacts for both arsenic and the general class of PFAS with specific focus on PFOS and PFOA. Federal and State regulations regarding these substances will precede an examination of how source water may be better selected to avoid the need for treatment. The course will provide an overview of treatment technologies available to meet applicable PFAS and arsenic standards for drinking water as well as for wastewater discharge criteria in compliance with National Pollution Discharge Elimination System (NPDES) permit requirements. Potential funding sources for technology upgrades will be discussed.

**Registration:** There are three ways to register: register and pay on our website: [www.granitestatewater.org](http://www.granitestatewater.org). Fill out this form and mail it with your payment to GSRWA, PO Box 596, Walpole, NH 03608; or fill out this form, request to be billed and fax it to (603) 756-3675.

**Cancellation Policy:** If you need to cancel, please contact GSRWA in writing at least three business days prior to the day of the course, or be charged a \$30 late cancellation fee. If you do not attend the course and do not contact GSRWA, you will be charged a "No Show" fee equal to the original course registration fee. The No Show fee is non-refundable and non-transferable. Written request for refunds/credits will be considered for special circumstances provided that the request is received within two weeks of the training date.

**PAYMENT MUST BE RECEIVED IN FULL PRIOR TO CLASS. NO WALK-INS PLEASE.**

*Any Questions, please call (603) 756-3670 x 4.*

Note: Please refer to our website for the most current information.



# Training Class Registration Form

Class Name: PFAs and Arsenic in our Water and Wastewater

Class Date: July 18, 2019

System/Business: \_\_\_\_\_

Address: \_\_\_\_\_

City, State, Zip: \_\_\_\_\_

Business #: \_\_\_\_\_

**1) Name of Attendee:** \_\_\_\_\_

Attendee Cell Phone: (\_\_\_\_\_) \_\_\_\_\_  
(In case of last minute changes/cancellation due to weather)

Attendee E-mail: \_\_\_\_\_  
(For reminder's and in case of last minute changes/cancellation due to weather)

**2) Name of Attendee:** \_\_\_\_\_

Attendee Cell Phone (\_\_\_\_\_) \_\_\_\_\_

Attendee E-mail: \_\_\_\_\_

**3) Name of Attendee:** \_\_\_\_\_

Attendee Cell Phone (\_\_\_\_\_) \_\_\_\_\_

Attendee E-mail: \_\_\_\_\_

## Payment Information:

# attending \_\_\_\_\_ X member rate \$ **99** = total \$ \_\_\_\_\_

# attending \_\_\_\_\_ X nonmember rate \$ **130** = total \$ \_\_\_\_\_

Total Amount Enclosed = \$ \_\_\_\_\_

Send me a bill (check here) \_\_\_\_\_ PO # \_\_\_\_\_

**Mail or fax this form to:** GSRWA PO Box 596, Walpole, NH 03608 Tel 603-756-3670  
Fax 603-756-3675