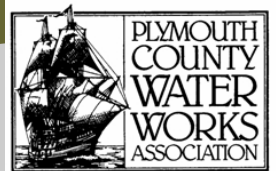


Course ID No.
DWT-2008-47-DIR

**OPERATOR
INFORMATIONAL ON
CONTAMINANTS OF
EMERGING CONCERN**

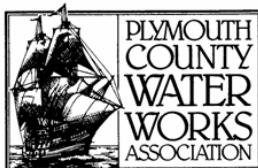


April 17, 2008

**9:00 a.m.—11:00 a.m.
Easton Water Division
417 Bay Rd
South Easton, MA 02375**

**Do you have access to a meeting room
to hold classes?**

**Please call:
Leanne M. Monaghan
Of
Analytical Balance Corp., Middleboro
508-946-2225**



417 Bay Road
South Easton, MA 02375

Phone: 508-230-0850
Fax: 508-238-6485

OPERATOR INFORMATIONAL ON CONTAMINANTS OF EMERGING CONCERN

COURSE ID NO. DWT-2008-47-DIR

April 17, 2008

9:00 am—11:00 am

PCWWA only accepts online registration. Online registrations allows us to offer our members free training by reducing manpower, paper and postage.

COST:

This course is free of charge to members in good standing (current dues paid). Fee for non-members is \$50.00; Non-members who attend and wish to join will have their \$25.00 PCWWA application fee waived providing payment for the course is made on the day of the class and the participant fills out a PCWWA Membership Application the same day.

PLEASE NOTE: Class room space is limited. Priority will be giving to current members first.

TO REGISTER FOR THIS COURSE PLEASE VISIT

www.pcwwa.org/training

Seminar Description
DWT-2008-47-DIR
2.0 TCH

This 2 hour course is designed to provide operators with up to date information on contaminants of Emerging Concern including pharmaceuticals, personal care products and endocrine disrupting chemicals. The course will also discuss the Unregulated Contaminants Monitoring Rule 2 (UCMR2)

Outline for the Course

- I. **Pharmaceuticals and Personal Care Products (PPCP) and Endocrine Disrupting Chemicals (EDC)**

Overview of PPCPs, and EDC Occurrence

- II. **UCMR2**

Fate and Transport
Hazards to human health and the environment
Treatment Options
Pollution prevention, including "Take-back Programs"

Overview and purpose of UCMR2
PWS sampling and analysis requirements
UCMR 2 as a support strategy for identifying contaminants of emerging concern.

Cost:

This course is free of charge to members in good standing (current dues paid). Fee for non-members is \$50.00; Non-members who attend and wish to join will have their \$25.00 PCWWA application fee waived. PLEASE NOTE: Classroom space is limited. Priority will be giving to current members first.

Cancellation Policy:

If you cannot attend you must contact PCWWA 24 hours prior to the start of this program by sending an email to education@pcwwa.org.

All no shows who do not contact PCWWA before the start of the program will be charged \$50.

Attendance Requirement:

Participants must attend 90% of the course to be eligible for TCH's.

Registration:

To register, please visit:

www.pcwwa.org/education



**ON-LINE
REGISTRATION
ONLY**

If you require additional information or have difficulties registering online please call:

Leanne M. Monaghan
Analytical Balance Corp., Middleboro MA
508-946-2225

Course Instructor

Nicolas D. Anastas, Ph.D.
Nicholas Anastas is a member of the drinking water program at the Massachusetts Department of Environmental Protection (MassDEP). He currently serves as the technical specialist on emerging contaminants, specifically pharmaceuticals/personal care products and endocrine disrupting compounds. Previously, he was the Source Protection Group Leader responsible for developing policies for protecting surface and groundwater sources of drinking water. For thirteen years, Nick was a regulatory toxicologist and risk assessor for the MassDEP's Office of Research and Standards where he developed health-based approaches for characterizing human health risks, provided analytical chemistry support to the department and served as the chief Quality Assurance scientist for MassDEP.

Nicholas received a doctorate in Environmental, Earth and Ocean Sciences from the University of Massachusetts and holds a master's degree in pharmacology from Northeastern University.