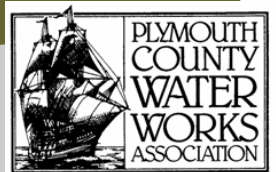


Course ID No.
DWT-2008-59-DIR

*Informational on MCL's
and Groundwater Rule*

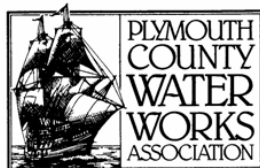


October 8, 2008

**10:00 a.m.—12:00 noon
Easton Water Division
417 Bay Rd
South Easton, MA 02375**

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

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



417 Bay Road
South Easton, MA 02375

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

INFORMATIONAL ON MCL'S AND GROUNDWATER RULE

COURSE ID NO. DWT-2008-59-DIR

October 8, 2008

**Registration/Coffee 9:30 a.m.
10:00 a.m.—12:00 noon**

PCWMA 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 PCWMA application fee waived providing payment for the course is made on the day of the class and the participant fills out a PCWMA Membership Application the same day.

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

TO REGISTER FOR THIS COURSE PLEASE VISIT

www.pcwma.org/education

Seminar Description
DWT-2008-59-DIR
2.0 TCH

This 2 hour course is designed to provide operators with up to date information on MCL's and Ground-water Rule

MCL's

- Compliance with Maximum Contaminant Levels (MCL) is a major part of the daily workday of a public water supplier.
- These values represent benchmarks for regularity compliance and provide a degree of certainty that drinking water is safe.
- But where do these values come from?
- How are they derived?
- This talk will focus on the development of MCLs and other health standards including:
 - ◊ a bit of toxicology (think CSI)
 - ◊ types of standards and guidelines
 - ◊ the process of setting standards
 - ◊ explaining these things to your customers

- Q/A

10 Minute break

Groundwater Rule

- Background
- Wells and Geology
- Who is Affected?
- Testing
- Source Water Sampling
- Approach
- Sanitary Surveys
- Source Water Monitoring
- Compliance Monitoring
- Corrective Action
- Triggered Monitoring
- Significant Deficiencies
- Treatment
- Identify Treats...
- Q/A

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 given 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 or call Leanne Monaghan, 508-946-2225

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:



**ON-LINE
REGISTRATION
ONLY**

www.pcwwa.org/education

Speakers

Stephen Hallem

Stephen Hallem is a member of the drinking water program at the Massachusetts Department of Environmental Protection (MassDEP). He is a hydrogeologist with experience in water supply as well as waste water technical and permitting issues. Prior to joining the Drinking Water Program he was with the Solid Waste Section in the Central Regional Office. There he performed technical assessment and closure reviews of numerous landfills. Past experience includes time in the private sector in geologic consulting with an emphasis on waste site assessment and cleanup. Prior to that he was with the US Geological Survey, Water Resources Division.

Nicholas Anastas

Nicholas Anastas is a member of the drinking water program at the Massachusetts Department of Environmental Protection (MassDEP). He is 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 the MassDEP.