



**Optimizing Filter Performance
Through Best Operational Procedures & Preventative Maintenance**

Are all of your Plant's filters in good condition? Not Sure? When did you last check?

Conducting routine preventative maintenance and practicing best operational procedures is the best way to assure long-term reliability of your filters. The PA Department of Environmental Protection, in conjunction with the PA Section – AWWA and Penn State Harrisburg, will be conducting a workshop focusing on preventative maintenance procedures and operational practices, which will help assure optimum filter performance. The workshop will discuss best practices recognized by the Partnership for Safe Water Program for optimizing filter performance. Presenters will cover turbidity performance requirements for individual filters that are contained in new regulations.

This workshop will cover the most common causes of poor filter performance experienced by treatment plants throughout Pennsylvania. You will be provided with the knowledge and tools to help diagnose and prevent these problems:

- Lack of Interpretation of Filter Profile Data
- Unobserved backwashes
- Improper backwash procedures
- Media problems
- High applied water turbidities
- Inadequate % bed expansions
- Return to service too quickly after backwashing
- Excessive filter run times
- Hydraulic surges
- Start/Stop mode of operation
- Inadequate Facilities
- Lack of routine filter inspections

Approval for
6.5 PA DEP Contact
Hours

In addition to classroom presentation, participants will:

- View a 32 minute AWWA Filter Surveillance Video
- Observe an actual filter inspection
- Measure % bed expansion
- Receive instructions for making a filter bed expansion tool
- Receive instructions for making media core sampling tubes

WHO SHOULD ATTEND: Filter Plant Superintendents – First-level Operators – Trainers – Regulators – Consultants – Engineers

“Filter Optimization Slide Show”

For more information on this workshop.... Please access the Partnership Website at:
<http://www.depweb.state.pa.us>
 Under “DEP Keyword” type Filtration and click on search button?
 Follow provided link
 Choose “Partnership for Safe Water”
 Choose the “Operator’s Center” Tab
 Choose “Partnership for Safe Water Tools”
 Choose “Workshops on Filter Optimization” Slide Show

Optimizing Filter Performance Workshop

Time: Registration – 8:00 a.m.

Program: 8:30 a.m. – 4:30 p.m.

Location:

**Southwest: Thursday, May 20, 2010
Brackenridge Borough
1000 Brackenridge Avenue
Brackenridge, PA 15014
(Directions will be provided)**

Limited Seating! Register ASAP!

REGISTRATION FORM

Name: _____ AWWA Member # _____

Company: _____ Client ID# _____

Address: _____

City/State/Zip: _____

Phone: _____ Fax: _____

Email: _____

____ Our utility is a member of the Partnership for Safe Water. Enclosed is my \$20 processing fee. I understand my registration fee is complimentary as a benefit of being a member of the Partnership for Safe Water program (Only one reduced registration fee per Partnership utility member.)

**Registration Fee: \$75.00 (Includes Lunch)
Partnership for Safe Water Member: \$20.00 processing fee**

PAYMENT INFORMATION

Make Checks Payable to: PA Section AWWA

**Payment Enclosed:
(Check One)**

**Mail Registration & Payment to: PA Section AWWA
P.O. Box D
New Cumberland, PA 17070**

____ \$75. – Registration Fee
____ \$20. – Processing Fee Only
(See Above)

Method of Payment:

____ Check ____ Visa ____ MC ____ Amex ____ Gov't PO

CC#: _____ **Exp:** _____

Signature _____

Registration deadline is April 1, 2010. No refunds for cancellations will be given after that date. If you have any questions, please contact Diane Cox at 717-774-8870/Fax # 717-774-0288.

Seating is limited due to the constraints of in-plant demonstrations. Be sure to register early to guarantee your space at the program. Since seating is limited in each location, complimentary registrations will be accepted on a first come-first served basis.