



Partners in PA

Partnership for Safe Water Update

Volume 3 • Issue 3

119

Partners in PA

86 Phase I & II Plants
41 Awarded Phase III

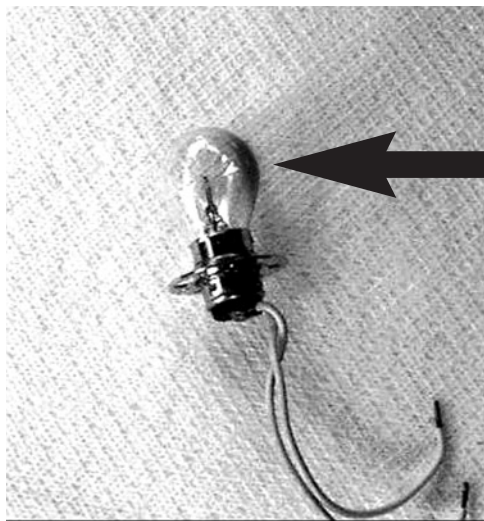
• Technical Tip •

Detecting faulty turbidimeter bulbs

This picture is of a bulb from a turbidimeter. Notice the black spot on the right side of the bulb. This bulb is not burned out, it will function; but, not properly. The black spot will cause inaccurate/erratic turbidity readings and calibrations.

While the black spot is noticeable in the above photo, when this bulb is placed inside of a turbidimeter, the dark spot will be almost impossible to detect. The bulb will shine light and, since many turbidimeter head assembly consists of black plastic, the spot will not be visible to the naked eye. To identify this problem without removing the bulb from the turbidimeter, place a white paper towel or piece of cloth behind the bulb to provide contrast.

The black spot is formed by a buildup, inside the bulb, from filament heat and gas interactions. It occurs slowly over time, and is the main reason why turbidimeter manufacturers



recommend replacing turbidimeter bulbs at regular intervals. Some recommend annual or even semi-annual replacement. Check with your turbidimeter manufacturer for more specific information.

It is important to note that each bulb is different, some will show problems much sooner. Therefore, you should frequently check your turbidimeter bulbs using the method described above.

Filter Maintenance Operations Guidance Manual Available for Order

A new manual is now available from the American Water Works Association Research Foundation. The extensive, 12-chapter "Filter Maintenance and Operations Guidance Manual" is the first of its kind in providing operators at surface water treatment plants with step-by-step procedures in troubleshooting and correcting filter problems.

Practicing preventative maintenance on individual filters is an important approach for complying with the new Interim Enhanced Surface Water Treatment Rule and future Long Term 1 Enhanced Surface Water Treatment Rule (2005) regulations.

To order this manual, please contact Diane Cox at (717) 230-8935

Cambridge Springs joins Partnership

Ken Dine, Chief Operator at the Borough of Cambridge Springs in Crawford County recently signed an agreement to become the newest member of the Partnership for Safe Water.

The Cambridge Springs Water Treatment Plant obtains raw water from the French Creek, and provides drinking water to about 2,400 people.

Got Questions About the Phase III Self-Assessment?

Don't know how to start? Not sure what to include in your report? Answers are available, contact Ed Chescattie at (717) 772-4018 for more information.

Pennsylvania Section AWWA

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State Board for Certification of Water and Wastewater Systems Operators 2003 Examination Announcement

Examination Dates:

- April 26, 2003** Applications must be received, complete and correct, no later than February 10, 2003
- August 2, 2003** Applications must be received, complete and correct, no later than May 19, 2003
- November 1, 2003** Applications must be received, complete and correct, no later than August 18, 2003

The certification examination will be offered in the area of the following cities:

- Altoona
- Harrisburg
- Meadville
- Philadelphia
- Pittsburgh
- Wilkes Barre
- Williamsport

Applications may be obtained from and must be returned to the Department of Environmental Protection, Certification and Licensing, P.O. Box 8454, 400 Market Street, Harrisburg, PA 17105-8454, telephone 717-787-5236, by the established cutoff dates stated above (not postmarked). Information regarding the certification examination can be obtained by contacting this same address and telephone number. Web site information: www.dep.state.pa.us/dep/deputate/waterops.

The PA Section - AWWA would like to offer exam review workshops on (less than one month from DEP's exam date):

February 5	Erie
February 7	Harrisburg
February 10	State College
April 4, 2003	locations to be announced
July 10, 2003	locations to be announced
October 15, 2003	locations to be announced

Partnership for Safe Water Tools

The Department of Environmental Protection has developed tools for water systems to help them understand and comply with regulations. These tools will also help you in working through the Partnership self-assessment procedures. Visit the following link to access these tools. Go to www.dep.state.pa.us and type the word "filtration" in the DirectLINK box in the upper left corner. Select "Partnership for Safe Water" and then "Operators Center."

Filter Self-Assessment Example Report

The purpose of this document is to serve as a supplement to Chapter 5 of EPA's Guidance Manual for Compliance with the Interim Enhanced Surface Water Treatment Rule: Turbidity Provisions. This document includes an example of an acceptable filter self-assessment report.

Interpreting Filter Profiles slide show

This is a PowerPoint presentation that gives specific guidance on interpreting filter profiles. Proper interpretation of filter profiles will help to identify causes of performance spikes.

Educational Opportunity

Educational Opportunity Optimizing Filter Performance Workshop Registration - 8:00 am Program 8:30 am - 4:30 pm

- East:** April 3, 2003
City of Allentown Bureau of Water
Resource Water Filtration Plant
1300 Martin Luther King Drive
Allentown, PA 18102
- Central:** April 10, 2003
City of Harrisburg Bureau of Water
100 Pine Drive
Harrisburg, PA 17103
- West:** April 24, 2003
Brackenridge Borough
1000 Brackenridge Avenue
Brackenridge, PA 15014

Seating is limited due to the constraints of inplant demonstrations. Be sure to register early to guarantee your space at the program. For further information or if you have questions, please contact us at: www.paawwa.org or Diane Cox @ phone 717-774-8870 or fax 717-774-0288.

Disinfection By-Products Workshop March 17, 2003 Penn State Harrisburg Middletown, PA 17057

For more information please contact the PA Section AWWA @ 717-774-8870

PLEASE NOTE: If you are planning to advance to Phase IV of the Partnership program, we strongly suggest you contact DEP before completing the Phase IV application. Call Phil Consonery at 717-772-4018 to obtain details about Pennsylvania's Phase IV program.

May 21-23, 2003 PA AWWA Conference at the new David H. Lawrence Convention Center in Pittsburgh

For more information, contact Chris Fitting at the PA Section at 717-774-8870 or chrisfitting@paawwa.org