



Drinking Water Academy Bulletin



Drinking Water Academy Expands Its Course Catalog

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The Drinking Water Academy continues to expand the curriculum of courses it offers to Federal and State drinking water professionals and drinking water training providers. The courses range from introductory-level courses to familiarize new employees with various aspects of Safe Drinking Water Act programs, to courses focused on specific regulations, to technical courses for field staff. In addition, several technical guides can be obtained through the DWA. Course deliveries may be arranged by contacting your Regional Drinking Water Academy work group representative listed in this Bulletin. Below is a list of the DWA's course offerings. Please keep in mind that the courses can be combined and tailored to suit your specific needs.

Introductory Courses

- ◆ Introduction to the Safe Drinking Water Act.
- ◆ Introduction to the Public Water System Supervision Program.
- ◆ Introduction to EPA's Drinking Water Source Protection Programs.
- ◆ Introduction to the Underground Injection Control Program.

Technical Courses

- ◆ From Risk to Rule: How EPA Develops Risk-Based Drinking Water Regulations.
- ◆ Source Water Contamination Prevention Measures.
- ◆ Delineation of Source Water Areas for Water Supply Wells.
- ◆ UIC Permitting.
- ◆ UIC Inspector Training.

- ◆ Unit Treatment Processes.
- ◆ Comprehensive Performance Evaluations.
- ◆ Risk Communication and the Safe Drinking Water Act.
- ◆ Training Delivery Skills (Train-the-Trainer) Workshop.

Capacity Development for Small Systems

- ◆ Strategic SDWA Compliance Planning for Small Systems.
- ◆ Developing Managerial Capacity.
- ◆ Developing Technical Capacity.
- ◆ Developing Water System Financial Capacity.
- ◆ Developing Water System Capacity: Ratemaking and Affordability.
- ◆ Assessing Capacity Through Sanitary Surveys.

Sanitary Survey Training Courses

- ◆ How to Conduct a Sanitary Survey of Small Surface Water and Ground Water Systems.
- ◆ How to Conduct a Sanitary Survey of Small Ground Water Systems with Hypochlorination.

Regulatory Courses

- ◆ Consumer Confidence Rule.
- ◆ Lead and Copper Rule Comprehensive Training.

The DWA Delivers Training in Puerto Rico

The DWA presented two courses, *Introduction to the Public Water System Supervision (PWSS) Program* and *Introduction to EPA's Drinking Water Source Protection Programs*, in Puerto Rico, on April 17-19, 2001. The translated courses were presented in Spanish to a group of about 50 participants, representing several government offices.

The training was coordinated by Graciela Ramírez-Toro, Ph.D., Director of the Center for Environmental Education Conservation and Interpretation at the Interamerican University of Puerto Rico. Dr. Ramírez taught the courses with Jorge Martínez of the EPA Region 2 Caribbean Field Office in Puerto Rico. Norma Ortega, from EPA Region 2 in New York, and Mario Salazar, from EPA's Office of Ground Water and Drinking Water, assisted with the instruction.

The instructors supplemented the lectures with exercises and a field trip to reinforce the concepts taught in the classroom. The source water module included an exercise that involved delineation of a source water protection area and determination of potential risk. The PWSS module included a hands-on exercise that demonstrated the different steps in collection, sedimentation, flocculent addition, filtration, and disinfection.

The field trip included visits to six water treatment plants. One system is owned and operated by the Puerto Rican Sewer Authority



Norma Ortega, Jorge Martínez, and Graciela Ramírez (left to right) were the instructors for the DWA's Spanish-language courses. Not pictured is Mario Salazar, who also assisted with the instruction.

(PRASA) and treats approximately 1 million gallons of surface water per day for the municipality of Naranjito. The other systems are owned and operated by small local jurisdictions. They ranged from one that served a couple of dozen people to one that serves about 200 families. Five of the systems totally depend on ground water.

Students rated the course highly in their evaluations and the DWA looks forward to other opportunities to deliver these courses in Spanish. For information about scheduling a Spanish language delivery, contact Mario Salazar at (202) 260-2363 or salazar.mario@epa.gov.

DWA Expands Its Course Offerings (Continued from Page 1)

- 🎓 Lead and Copper Rule Minor Revisions Training.
- 🎓 Surface Water Treatment Rule and Total Coliform Rule.
- 🎓 Stage 1 Disinfectant/Disinfection By-product Rule and Interim Enhanced Surface Water Treatment Rule.
- 🎓 Unregulated Contaminant Monitoring Rule.
- 🎓 Phase II/V Chemical and Radiological Rules.
- 🎓 Compliance Determinations.
- 🎓 Public Notification.
- 🎓 Class V Underground Injection Well Rule.

- 🎓 Operator Certification Guidelines.

Technical Guides


- 🎓 Troubleshooting Guide for Small Ground Water Systems with Hypochlorination.
- 🎓 Learner's Guide for Conducting a Sanitary Survey of Small Water Systems.
- 🎓 Inspector's Field Guide for Conducting a Sanitary Survey of Small Surface Water Systems.
- 🎓 Inspector's Field Guide for Conducting a Sanitary Survey of Small Ground Water Systems.
- 🎓 Videos to Support Sanitary Survey Training: Wells, Cross-connections, Storage, Hypochlorination, Gas Chlorination, Distribution Systems, and Sampling and Recordkeeping.

DWA Develops New Risk Communication Course

The 1996 SDWA Amendments placed increased emphasis on more and better communication with the public: preparing Consumer Confidence Reports; making source water assessments available to the public; providing public notification of drinking water violations; and providing better public information on health effects as part of rulemaking activities. Effective risk communication is essential to these efforts.

The DWA is developing a two-day training workshop on risk communication. The primary audience will be State regulatory staff and local health officials. The course will explain how to develop a risk communication program and will


provide techniques for communicating risk in situations specific to the SDWA program. It will discuss communicating uncertainties in scientific risk assessment and will discuss effective communication with culturally and socially diverse communities. The course also will use group exercises to reinforce risk communication tools and techniques.

The Risk Communication course will be piloted in Washington, DC, during the summer. Four presentations are planned for late summer or early fall in EPA Regions 3 and 10. For more information about the course, or to schedule it in your Region or State, contact James Bourne at (202) 260-5557 or bourne.james@epa.gov. 

Video Covers Sampling and Monitoring During a Sanitary Survey

Sanitary surveys have been a critical component of State drinking water programs for decades. They are used to prevent and correct sanitary deficiencies and are indispensable for ensuring the delivery of safe water on a sustainable basis. The Safe Drinking Water Act requires them for all surface water systems and systems using ground water under the direct influence of surface water. The ground water rule proposes to extend this requirement to ground water systems.

The Drinking Water Academy offers a number of resources to help States and sanitary surveyors. Among them is a set of seven videos. The most recent video, *Before You Begin... Sampling and Monitoring*, has just been released. In this video, two inspectors trade tips while inspecting the sampling and monitoring of a very small water system. Some of the key issues are proper equipment and procedures, sampling locations and the coliform sampling plan, sampling analysis, and in-house monitoring. The first six videos cover the following topics: wells, cross-connections, storage, hypochlorination, gas chlorination, and distribution systems.

The videos can be ordered individually or as a set from the National Environmental Training Association (NETA). You can call them at (602) 956-6099 or use the order form on the DWA Web site (www.epa.gov/safewater/sanitary/resources.html), which can be printed and mailed or faxed to NETA. A single video costs \$49 and the complete set of seven costs \$250. 

Drinking Water Academy Contacts

Contact	Location	Telephone	E-mail
Jackie LeClair	EPA Region	(617) 918-1549	leclair.jackie@epa.gov
Norma Ortega	EPA Region	(212) 637-4234	ortega.norma@epa.gov
Rick Rogers	EPA Region	(215) 814-5711	rogers.rick@epa.gov
Janine Morris	EPA Region	(404) 562-9480	morris.janine@epa.gov
Helen Lenart	EPA Region	(312) 353-6058	lenart.helen@epa.gov
Bill Davis	EPA Region	(214) 665-7536	davis.williamh@epa.gov
Stephanie Lindberg	EPA Region	(913) 551-7423	lindberg.stephanie@epa.gov
Dan Jackson	EPA Region	(303) 312-6155	jackson.dan@epa.gov
Barry Pollock	EPA Region	(415) 744-1854	pollock.barry@epa.gov
Bill Chamberlain	EPA Region 10	(206) 553-8515	chamberlain.william@epa.gov
Mark Anderson	Virginia	(804) 786-5569	manderson@vdh.state.va.us
Theresa Rogers	Texas	(512) 239-1734	trogers@tnrcc.state.tx.us
Stew Thornley	Minnesota	(651) 215-0771	stew.thornley@health.state.mn.us
Murlene Lash	EPA HQ	(202) 260-7197	lash.murlene@epa.gov
Mario Salazar	EPA HQ	(202) 260-2363	salazar.mario@epa.gov
James Bourne	EPA HQ	(202) 260-5557	bourne.james@epa.gov

Training Course Schedule

Course Title	Audience	Date Scheduled	Location	Contact
Third Party Comprehensive Performance Evaluation Oversight Training	EPA and State drinking water staff	May 15-18, 2001	Chicago, IL	Miguel del Toral 312-886-5253 deltoral.miguel@epa.gov
Sanitary Survey Training	EPA Region 1 Federal and State drinking water staff	May 29-June 1, 2001	Lowell, MA	Jackie LeClair 617-918-1549 leclair.jackie@epa.gov
<i>E. coli</i> 0157-H7, Your Health and Your Drinking Water	EPA Region 3 staff	TBD*	Philadelphia, PA	Rick Rogers 215-814-5711 rogers.rick@epa.gov
Protecting Your Sources of Drinking Water	EPA Region 3 staff	TBD*	Philadelphia, PA	Rick Rogers 215-814-5711 rogers.rick@epa.gov
Ground Water Rule and Arsenic Rule	EPA Region 3 staff	May or June 2001*	Philadelphia, PA	Rick Rogers 215-814-5711 rogers.rick@epa.gov
Surface Water Treatment Rule, Total Coliform Rule, IESWTR, and Stage 1 DBPR	EPA and State drinking water staff, training providers, and water system operators	June 5 & 6, 2001	Washington, DC	Ann Hanger 202-260-6781 hanger.ann@epa.gov
Strategic SDWA Compliance for Small Water Systems	State regulatory agencies	June or July 2001* August 2001	Washington, DC San Francisco, CA	Peter Shanaghan 202-260-5813 shanaghan.peter@epa.gov
Clean Water Act Overview	EPA Region 3 staff	TBD*	Philadelphia, PA	Rick Rogers 215-814-5711 rogers.rick@epa.gov
Community Involvement Conference	EPA and State drinking water staff	June 19-22, 2001	San Antonio, TX	Jori Copeland 202-260-1905 copeland.marjorie@epa.gov
Compliance Determination Using SDWIS/STATE	State and EPA drinking water staff who use SDWIS/STATE	June 12-14, 2001	Chicago, IL	Clint Lemmons 202-260-3612 lemmons.clint@epa.gov
		July 17-19, 2001	Boston, MA	David Chin 617-918-1764 chin.david@epa.gov
SDWIS/FED Data Entry Troubleshooters Course	Federal and State personnel whose responsibilities include entering data into the SDWIS/FED system	July 17-19, 2001	Atlanta, GA	Joe Lewis 202-260-7079 lewis.joe@epa.gov

*Final dates and locations will be posted on the DWA Web site as soon as they are available (www.epa.gov/safewater/dwa/calendar.html)

The following courses may be presented as requested: All introductory courses; Comprehensive Performance Evaluations (Introduction); Comprehensive Performance Evaluations (Progressive); Sanitary Survey Training; Consumer Confidence Rule; Interim Enhanced Surface Water Treatment Rule. See the course catalog on the DWA Web site for more information (www.epa.gov/safewater/dwa/course.html).

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Training Course Schedule (Continued)

Course Title	Audience	Date Scheduled	Location	Contact
SDWIS/STATE Initial User Training	State and EPA drinking water staff who use SDWIS/STATE	May 8-10, 2001	Dover, DE	Anita Beckel 302-739-5410
		June 5-7, 2001	Anchorage, AK	Maria Ridgway 907-269-7625
		Aug. 21-23, 2001	Jefferson City, MO	Darrell Osterhaut 573-751-1187
		Sept. 11-13, 2001	Trenton, NJ	Linda Friedman 609-292-5550
		Sept. 25-27, 2001	Little Rock, AR	Karen Howard 501-661-2543
		Oct. 16-18, 2001	Frankfort, KY	Vicki Ray 502-564-3410
		Oct. 30-Nov. 1, 2001	Denver, CO	Robert Miller 303-692-3587
SDWIS/STATE Advanced User Training	State and EPA drinking water staff who use SDWIS/STATE	May 22-24, 2001	Portland, OR	Mary Alvey 503-731-4381
		June 5-7, 2001	Lansing, MI	Kris Philip 517-335-9722
		July 10-12, 2001	Anchorage, AK	Maria Ridgway 907-269-7625
		Sept. 18-20, 2001	Dover, DE	Anita Beckel 302-739-5410
		Oct. 2-4, 2001	Trenton, NJ	Linda Friedman 609-292-5550
SDWIS/STATE System Administration Training	State and EPA drinking water staff who use SDWIS/STATE	June 19-21, 2001	Jefferson City, MO	Darrell Osterhaut 573-751-1187
		July 24-26, 2001	Trenton, NJ	Linda Friedman 609-292-5550
		July 31-Aug. 2, 2001	Little Rock, AR	Karen Howard 501-661-2543
		Aug. 14-16, 2001	Frankfort, KY	Vicki Ray 502-564-3410
		Aug. 28-30, 2001	Denver, CO	Robert Miller 303-692-3587
Developing Managerial Capacity (pilot)	State and Regional drinking water staff, training providers	July 25, 2001	Reno, NV	Murlene Lash 202-260-7197 lash.murlene@epa.gov
Risk Communication under the Safe Drinking Water Act (pilot)	State and Regional drinking water staff, local health department staff	August 2001*	Washington, DC	James Bourne 202-260-5557 bourne.james@epa.gov
Surface Water Treatment Rule, Total Coliform Rule, IESWTR, and Stage 1 DBPR	EPA and State drinking water staff, training providers, and water system operators	Aug. 14-16, 2001	New York, NY	Ann Hanger 202-260-6781 hanger.ann@epa.gov
UIC Inspector Training	Federal and State UIC inspectors	Sept. 10-14, 2001	Bakersfield, CA	Steve Platt 215-814-5464 platt.steve@epa.gov

*Final dates and locations will be posted on the DWA Web site as soon as they are available (www.epa.gov/safewater/dwa/calendar.html)




The following courses may be presented as requested: All introductory courses; Comprehensive Performance Evaluations (Introduction); Comprehensive Performance Evaluations (Progressive); Sanitary Survey Training; Consumer Confidence Rule; Interim Enhanced Surface Water Treatment Rule. See the course catalog on the DWA Web site for more information (www.epa.gov/safewater/dwa/course.html).






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Electronic Workshop for Downloading Training Modules Expands Its Offerings






The DWA's Electronic Workshop provides training course materials on the Internet (www.epa.gov/safewater/dwa/elec-tronic.html). These materials, in PowerPoint® or PDF format, can be viewed online or downloaded for use at the reader's convenience.

The Electronic Workshop has expanded its regulatory offerings. In addition to full training courses on final rules, the Electronic Workshop now provides links to regulatory development pages for rules that are not yet final. It also offers short presentations made by EPA staff at a variety of venues. These may be useful, for example, when State or EPA Regional staff need to prepare a briefing or training presentation. As with the other materials in the Electronic Workshop, these presentations are in Power-Point® or PDF format. Presentations are available for the following rules:

-  Arsenic Rule.
-  Contaminant Candidate List.
-  Ground Water Rule.

-  Lead and Copper Rule.
-  Public Notification Rule.
-  Radionuclides Rule.
-  Radon Rule.
-  Stage 1 Disinfectants/Disinfection Byproducts Rule.

Full training courses are available for the following rules:


-  Consumer Confidence Report.
-  Interim Enhanced Surface Water Treatment Rule.
-  Lead and Copper Rule.
-  Stage 1 Disinfectants/Disinfection Byproducts Rule.
-  Unregulated Contaminant Monitoring Rule.

DWA Presents a Training Delivery Skills Workshop

The Drinking Water Academy often has technical experts from EPA, States, third-party technical assistance providers, and others conduct training. While their subject matter knowledge is exceptional, their training skills sometimes could be more polished. To address this need, the Drinking Water Academy sponsored a two-day training workshop on training delivery skills on April 18-19, 2001.

The workshop focused on instructional delivery using professional instructor methodology. It provided information on training development, learning styles, instructional strategies, instructional

media, and instructional techniques. The training also provided opportunities for those attending to exchange instructional experiences and gain additional knowledge and skills that will lead to effective instructional delivery.

At the completion of the course, participants were enthusiastic in their praise of the instructor and the techniques they learned, and several people recommended that additional classes be set up to encourage other presenters, trainers, and other public speakers to attend. For more information about the course, or to schedule a delivery of the workshop, contact Ken Hay at (202) 260-5552 or hay.ken@epa.gov. 

Training Course Schedule (Continued)

Course Title	Audience	Date Scheduled	Location	Contact
SDWIS/FED Data Entry	Federal and State staff whose responsibilities include entering data into the SDWIS/FED system	Sept. 17-21, 2001	Boston, MA	Joe Lewis 202-260-7079 lewis.joe@epa.gov
Risk Communication under the Safe Drinking Water Act	EPA Region 10 Federal and State drinking water staff	Fall 2001*	Portland, OR* Boise, ID* Olympia, WA*	Mike Cox 206-553-1893 cox.michael@epa.gov

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The following courses may be presented as requested: All introductory courses; Comprehensive Performance Evaluations (Introduction); Comprehensive Performance Evaluations (Progressive); Sanitary Survey Training; Consumer Confidence Rule; Interim Enhanced Surface Water Treatment Rule. See the course catalog on the DWA Web site for more information (www.epa.gov/safewater/dwa/course.html).