



# Drinking Water Academy Bulletin



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## The DWA Offers New Training for Comprehensive Performance Evaluations

The Office of Ground Water and Drinking Water, the Office of Research and Development, and EPA Region 6 have developed a series of courses addressing comprehensive performance evaluations (CPEs). A CPE is an evaluation of a surface water plant to determine if the existing facility (design, operations, maintenance, and administration) is achieving optimized performance. Four courses are available:

- 1 **CPE 101 – Fundamentals of CPEs.** This classroom training raises awareness and lays a foundation for understanding the importance of CPEs. This fundamentals course is the first step in building capacity and familiarizing States, technical assistance providers, and consulting engineers with the concepts of a CPE. Note that this course is not intended to train students to conduct a CPE. This basic training course addresses the following questions:

- What is a CPE?
- How does a CPE work?
- How do CPEs fit into the bigger picture (e.g., Area Wide Optimization Program)?
- Why is a CPE beneficial to the State and the water system?

States deciding to conduct their own CPEs would progress to CPE 201 and CPE 301, whereas States deciding to have a third party conduct the CPEs would progress to CPE 202.

- 1 **CPE 201 – Introduction to CPEs.** The concepts behind conducting CPEs at surface water treatment plants are introduced through a one-day series of classroom presentations, workshops, followed by a three-and-a-half day field exercise at a surface water treatment plant. After the course, a full CPE report is produced based on the findings of the field exercise. Trainees are guided through the process by experienced instructors. The trainees help the instructors with the investigation at the surface water plant and present some of the group's findings to the plant staff at an exit meeting at the end of the course.

- 1 **CPE 202 – CPE Oversight and Review.** This course covers the components of a CPE in more detail, helps students establish a procedure to approve third parties, and trains students to understand what to look for in reviewing a CPE report. One day of classroom training is followed by a two-and-a-half day field exercise at a surface water treatment plant.

- 1 **CPE 301 – CPEs (Progressive).** As a follow-up to CPE 201—Introduction to CPEs—up to six trainees are facilitated through two additional drinking water system CPEs. After completion of these additional CPEs, in addition to the one CPE performed in the Introduction to CPEs training, the trainee will independently be able to conduct a CPE. Each session consists of three-and-a-half days of field work at a drinking water system and one report. In these evaluations, the

## The Drinking Water Academy Offers UIC Training

From October 15 to 18, 2001, the Drinking Water Academy (DWA) will hold two underground injection control (UIC) training courses in Washington, DC. On October 15, the DWA will present *Introduction to the Underground Injection Control Program*. This training module is intended for non-technical audiences. It describes the foundation

of the UIC program; discusses the framework of the UIC program; explains the five classes of wells and their construction; and explains the challenges facing today's UIC programs.

On October 16-18, DWA will present a pilot of *Introduction to UIC Permitting*. This course, which is for technical staff, will introduce inexperienced federal or State permit writers to the requirements for UIC permitting and their responsibilities in reviewing the permit application and developing permit conditions. The two-and-a-half-day course, which includes class discussions and exercises, covers these topics:

- 1 Site evaluation, including site and injectate characteristics.
- 1 Monitoring and mechanical integrity testing.
- 1 Formation testing.
- 1 Area of review.
- 1 Injection dynamics.
- 1 Well construction.
- 1 Financial responsibility.
- 1 Public participation.

## The DWA Holds Its Annual Advisory Board Meeting

The Drinking Water Academy Advisory Board met on July 23 and 24 in Reno, NV for its annual meeting. The Board was welcomed by Galen Denio, Nevada Bureau of Health Protection Services, who provided a State perspective on training needs and approaches. The agenda for the meeting addressed a number of topics, including the FY 2001-2002 training schedule, recent international activities, comprehensive performance evaluation training, sanitary survey training, and training development priorities for FY 2002. The Advisory Board also had lively discussions about distance learning and setting training standards. Both are projects the Board will undertake during FY 2002.

The meeting ended with a presentation of plaques by Jamie Bourne to members of the Advisory Board. He thanked them for their excellent work on behalf of the DWA. Mario Salazar also presented Jamie with a plaque from the OGWDW members of the Advisory Board in recognition of his good leadership. 1

Both courses will be presented from 8:30 a.m. to 5 p.m. each day in Room 2138 of EPA's Ariel Rios Building, 1200 Pennsylvania Avenue, N.W., Washington, DC. For more information about the training courses or to register to attend, contact Mario Salazar at (202) 260-2363 or [salazar.mario@epa.gov](mailto:salazar.mario@epa.gov). 1

### DWA Offers New CPE Training (Continued from Page 1)

trainees conduct the entire exit meeting and write the reports following the evaluations. With each CPE, the trainee will progressively take on more of the responsibility of conducting the CPE. Instructors are on hand to facilitate, guide, answer questions and keep the process on track.

CPE 202 was recently piloted in EPA Region 5. Region 5 federal and State staff and the Chicago Office of the Army Corps of Engineers participated in the training. The classroom day was held at the Illinois EPA offices in Elgin and included development of individual State CPE and Area Wide Optimization Program procedures. The field demonstration was held at the

Kankakee water treatment plant, which was built in 1886 and upgraded several times since. A final CPE report is being prepared. It will be submitted to the water plant and a follow-up visit will be held.

For more information on the CPE 101 (Fundamentals) or CPE 202 (Oversight and Review) course, contact Nicole Foley at (202) 260-0875 or [foley.nicole@epa.gov](mailto:foley.nicole@epa.gov). For more information on the CPE 201 (Introduction) or CPE 301 (Progressive) courses, contact Bill Davis at (214) 665-7535 or [davis.williamh@epa.gov](mailto:davis.williamh@epa.gov). 1

## The DWA Establishes a Sanitary Survey Web Site

The Drinking Water Academy has established a Web site to provide a focal point for sanitary survey training and other resources that EPA offers.

A sanitary survey is an on-site review of the water source, facilities, equipment, operation, and maintenance of a public water system for the purpose of evaluating the adequacy of such source, facilities, equipment, operation, and maintenance for producing and distributing safe drinking water. Sanitary surveys are becoming an increasingly important means of educating system operators and identifying systems that need technical or capacity development assistance.

The Drinking Water Academy provides sanitary survey training to upgrade and maintain the ability of inspectors to conduct comprehensive, technically sound sanitary surveys of small water systems. EPA also offers a training manual, guidance materials, and videos to support sanitary surveys. These resources are accessible from the Web site, or can be ordered using the form on the Web site. Visit the sanitary

survey Web site at <http://www.epa.gov/safewater/dwa/sanitarysurvey.html>.

The Learner's Guide for Conducting Sanitary Surveys is available in a Spanish translation. To obtain a copy, contact Mario Salazar at (202) 260-2363 or [salazar.mario@epa.gov](mailto:salazar.mario@epa.gov).



EPA Photo

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.

### Drinking Water Academy Contacts

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

## Training Course Schedule

Course Title	Audience	Date Scheduled	Location	Contact
Risk Communication under the Safe Drinking Water Act (pilot)	State and Regional drinking water staff, local health department staff	Aug. 8 & 9, 2001	Morgantown, WV	Rick Rogers (215) 814-5711 <a href="mailto:rogers.rick@epa.gov">rogers.rick@epa.gov</a>
Phase II/V Chemicals and Radionuclides Rules	State and federal drinking water staff	Aug. 9 & 10, 2001	Dallas, TX	Ronald Bergman (202) 260-6187 <a href="mailto:bergman.ronald@epa.gov">bergman.ronald@epa.gov</a>
Risk Communication under the Safe Drinking Water Act (pilot)	State and Regional drinking water staff, local health department staff	Aug. 15 & 16, 2001	Washington, DC	Jamie Bourne (202) 260-5557 <a href="mailto:bourne.james@epa.gov">bourne.james@epa.gov</a>
Phase II/V Chemicals and Radionuclides Rules	State and federal drinking water staff	Aug. 16 & 17, 2001	Denver, CO	Ronald Bergman (202) 260-6187 <a href="mailto:bergman.ronald@epa.gov">bergman.ronald@epa.gov</a>
SDWIS/STATE Initial User Training	State and EPA drinking water staff who use SDWIS/STATE	Aug. 21-23, 2001	Jefferson City, MO	Darrell Osterhautd (573) 751-1187 Linda Friedman (609) 292-5550 Karen Howard (501) 661-2543 Vicki Ray (502) 564-3410 Robert Miller (303) 692-3587
		Sept. 11-13, 2001	Trenton, NJ	
		Sept. 25-27, 2001	Little Rock, AR	
		Oct. 16-18, 2001	Frankfort, KY	
		Oct. 30-Nov. 1, 2001	Denver, CO	
SDWIS/STATE System Administration Training	State and EPA drinking water staff who use SDWIS/STATE	Aug. 14-16, 2001	Frankfort, KY	Vicki Ray (502) 564-3410 Robert Miller (303) 692-3587
		Aug. 28-30, 2001	Denver, CO	
Sanitary Survey Training	Alaska State drinking water staff	Aug. 27-30, 2001	Alaska	Bill Davis (214) 665-7536 <a href="mailto:davis.williamh@epa.gov">davis.williamh@epa.gov</a>
Sanitary Survey Training	Colorado State drinking water staff	Aug. 28-31, 2001	Denver, CO	Bill Davis (214) 665-7536 <a href="mailto:davis.williamh@epa.gov">davis.williamh@epa.gov</a>
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 <a href="mailto:hanger.ann@epa.gov">hanger.ann@epa.gov</a>
Sanitary Survey Troubleshooter's Training	State drinking water staff	Aug. 20-23, 2001	Cumberland, MD	Rick Rogers (215) 814-5711 <a href="mailto:rogers.rick@epa.gov">rogers.rick@epa.gov</a>
Risk Communication under the Safe Drinking Water Act	State and Regional drinking water staff, local health department staff	Sept. 5 & 6, 2001	Middletown, PA	Rick Rogers (215) 814-5711 <a href="mailto:rogers.rick@epa.gov">rogers.rick@epa.gov</a>
CPE Oversight and Review (CPE 202)	State staff responsible for establishing and overseeing a third-party program	Sept. 10-13, 2001	Seattle, WA	Nicole Foley (202) 260-0875 <a href="mailto:foley.nicole@epa.gov">foley.nicole@epa.gov</a>
UIC Inspector Training	Federal and State UIC inspectors	Sept. 10-14, 2001	Bakersfield, CA	Steve Platt (215) 814-5464 <a href="mailto:platt.steve@epa.gov">platt.steve@epa.gov</a>

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## Training Course Schedule (Continued)

Course Title	Audience	Date Scheduled	Location	Contact
SDWIS/FED Data Entry	Federal and State personnel whose responsibilities include entering data into the SDWIS/FED system	Sept. 17-21, 2001	Boston, MA	Joe Lewis (202) 260-7079 <a href="mailto:lewis.joe@epa.gov">lewis.joe@epa.gov</a>
SDWIS/STATE Advanced User Training	State and EPA drinking water staff who use SDWIS/STATE	Sept. 18-20, 2001 Oct. 2-4, 2001	Dover, DE Trenton, NJ	Anita Beckel (302) 739-5410 Linda Friedman (609) 292-5550
Introduction to SDWA and the Public Water System Supervision, Underground Injection Control, and Source Water Protection Programs	EPA Region 8 State and federal drinking water staff	Sept. 18-20, 2001	Denver, CO	Marty Swickard (303) 312-7021 <a href="mailto:swickard.marty@epa.gov">swickard.marty@epa.gov</a>
Sanitary Survey Training	Utah State drinking water staff	Sept. 18-21, 2001	Salt Lake City, UT	Bill Davis (214) 665-7536 <a href="mailto:davis.williamh@epa.gov">davis.williamh@epa.gov</a>
IESWTR and Stage 1 DBPR	State and federal drinking water staff	Sept. 20-27, 2001	Alaska	Nicole Foley (202) 260-0875 <a href="mailto:foley.nicole@epa.gov">foley.nicole@epa.gov</a>
Phase II/V Chemicals and Radionuclides Rules	State and federal drinking water staff	Sept. 25-26, 2001	Chicago, IL	Ronald Bergman (202) 260-6187 <a href="mailto:bergman.ronald@epa.gov">bergman.ronald@epa.gov</a>
Introduction to SDWA and the PWSS Program	Montana State drinking water staff	Sept. 25, 2001	Helena, MT	Marty Swickard (303) 312-7021 <a href="mailto:swickard.marty@epa.gov">swickard.marty@epa.gov</a>
Sanitary Survey Training	Guam State drinking water staff	September 2001	Guam	Bill Davis (214) 665-7536 <a href="mailto:davis.williamh@epa.gov">davis.williamh@epa.gov</a>
Managerial and Financial Capacity Development	EPA Region 8 federal and State drinking water staff	September or October 2001	Denver, CO	Marty Swickard (303) 312-7021 <a href="mailto:swickard.marty@epa.gov">swickard.marty@epa.gov</a>
Phase II/V Chemicals and Radionuclides Rules	State and federal drinking water staff	Oct 2 & 3, 2001	Waltham, MA	Ronald Bergman (202) 260-6187 <a href="mailto:bergman.ronald@epa.gov">bergman.ronald@epa.gov</a>
Risk Communication under the Safe Drinking Water Act	EPA Region 8 federal and State drinking water staff	Oct. 11 & 12, 2001	Denver, CO	Marty Swickard (303) 312-7021 <a href="mailto:swickard.marty@epa.gov">swickard.marty@epa.gov</a>
Introduction to the UIC Program	Federal and State drinking water staff new to the UIC program, or who want a non-technical overview of the UIC program	Oct. 15, 2001	Washington, DC	Mario Salazar (202) 260-2363 <a href="mailto:salazar.mario@epa.gov">salazar.mario@epa.gov</a>
Risk Communication under the Safe Drinking Water Act	Idaho State drinking water staff and water system operators	Oct. 15 & 16, 2001	Boise, ID	Jeff Long Idaho Rural Water (208) 343-7001
Introduction to UIC Permitting (pilot presentation)	New or inexperienced federal and State UIC permit writers with a technical background	Oct. 16-18, 2001	Washington, DC	Mario Salazar (202) 260-2363 <a href="mailto:salazar.mario@epa.gov">salazar.mario@epa.gov</a>

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## Training Course Schedule (Continued)

Course Title	Audience	Date Scheduled	Location	Contact
CPE Oversight and Review (CPE 202)	State staff responsible for establishing and overseeing a third-party program	Oct. 16-19, 2001	Boston, MA	Nicole Foley (202) 260-0875 <a href="mailto:foley.nicole@epa.gov">foley.nicole@epa.gov</a>
Risk Communication under the Safe Drinking Water Act	Washington State drinking water staff and water system operators	Oct. 18 & 19, 2001	Shelton, WA	Scott Hemingway Evergreen Rural Water (509) 962-6326
Risk Communication under the Safe Drinking Water Act	Oregon State drinking water staff and water system operators	Oct. 22 & 23, 2001	Tillamook, OR	Cheris Lane OR Assn. of Water Utilities (503) 873-8353 <a href="mailto:programs@oregonvos.net">programs@oregonvos.net</a>
Sanitary Survey Training	Alaska State drinking water staff, TA providers and third-party sanitary surveyors	October and November 2001	Alaska	Lee Michalsky (907) 747-7755 <a href="mailto:leeamichalsky@uas.alaska.edu">leeamichalsky@uas.alaska.edu</a>
Phase II/V Chemicals and Radionuclides Rules	State and federal drinking water staff; technical assistance providers	Oct. 31-Nov. 2, 2001* Nov. 6 & 7, 2001 Nov. 15 & 16, 2001	Orlando, FL Seattle, WA Kansas City, KS	Ronald Bergman (202) 260-6187 <a href="mailto:bergman.ronald@epa.gov">bergman.ronald@epa.gov</a>
Point of Use/Point of Entry Training	Federal and State drinking water staff; technical assistance providers	Fall 2001	Philadelphia, PA	Rick Rogers (215) 814-5711 <a href="mailto:rogers.rick@epa.gov">rogers.rick@epa.gov</a>
IESWTR and Stage 1 DBPR	State and federal drinking water staff; technical assistance providers	Fall 2001	Atlanta, GA	Nicole Foley (202) 260-0875 <a href="mailto:foley.nicole@epa.gov">foley.nicole@epa.gov</a>
Compliance Determinations	State and federal drinking water staff; technical assistance providers	Fall 2001	Boston, MA New York, NY Philadelphia, PA Dallas, TX Kansas City, KS Seattle, WA	Nicole Foley (202) 260-0875 <a href="mailto:foley.nicole@epa.gov">foley.nicole@epa.gov</a>
Simultaneous Compliance	State and federal drinking water staff; technical assistance providers	Fall 2001	Seattle, WA	Nicole Foley (202) 260-0875 <a href="mailto:foley.nicole@epa.gov">foley.nicole@epa.gov</a>
Unit Treatment Processes	State and federal drinking water staff; technical assistance providers	Fall 2001	Boston, MA Philadelphia, PA Atlanta, GA Chicago, IL Dallas, TX Kansas City, KS Denver, CO Seattle, WA	Nicole Foley (202) 260-0875 <a href="mailto:foley.nicole@epa.gov">foley.nicole@epa.gov</a>
Managerial and Financial Capacity Development	State and federal drinking water staff; technical assistance providers	Fall 2001	Chicago, IL Dallas, TX	Peter Shanaghan (202) 260-5813 <a href="mailto:shanaghan.peter@epa.gov">shanaghan.peter@epa.gov</a>
Financial Capacity and Ratemaking	State and federal drinking water staff; technical assistance providers	Fall 2001	Boston, MA	Peter Shanaghan (202) 260-5813 <a href="mailto:shanaghan.peter@epa.gov">shanaghan.peter@epa.gov</a>
Assessing Capacity through Sanitary Surveys	State and federal drinking water staff; technical assistance providers	Fall 2001	Dallas, TX	Jamie Bourne (202) 260-5557 <a href="mailto:bourne.james@epa.gov">bourne.james@epa.gov</a>

\*This is a condensed training of the Phase II/V, radionuclides, IESWTR, Stage 1 DBP, and FBR Rules.

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## Training Course Schedule (Continued)

Course Title	Audience	Date Scheduled	Location	Contact
Fundamentals of CPEs (CPE 101)	Small system operators; State and federal drinking water staff; technical assistance providers	Fall 2001	New York, NY Philadelphia, PA Kansas City, KS	Nicole Foley (202) 260-0875 <a href="mailto:foley.nicole@epa.gov">foley.nicole@epa.gov</a>
Introduction to Source Water Protection	State and federal drinking water staff; technical assistance providers	Fall 2001	San Francisco, CA	Jamie Bourne (202) 260-5557 <a href="mailto:bourne.james@epa.gov">bourne.james@epa.gov</a>
Source Water Protection Measures	State and federal drinking water staff; technical assistance providers	Fall 2001	San Francisco, CA Alaska	Steve Ainsworth (202) 260-7769 <a href="mailto:ainsworth.steve@epa.gov">ainsworth.steve@epa.gov</a>
Introduction to the UIC Program	State and federal drinking water staff; technical assistance providers	Fall 2001	Chicago, IL	Mario Salazar (202) 260-2363 <a href="mailto:salazar.mario@epa.gov">salazar.mario@epa.gov</a>
Introduction to UIC Permitting	State and federal drinking water staff; technical assistance providers	Fall 2001	Chicago, IL Dallas, Texas	Mario Salazar (202) 260-2363 <a href="mailto:salazar.mario@epa.gov">salazar.mario@epa.gov</a>
Risk Communication under SDWA	State and federal drinking water staff; technical assistance providers	Fall 2001	Denver, CO	Marty Swickard (303) 312-7021 <a href="mailto:swickard.marty@epa.gov">swickard.marty@epa.gov</a>
Filter Assessment	State and federal drinking water staff; technical assistance providers	Fall 2001	Boston, MA	
Training Skills Delivery Workshop	State and federal drinking water staff; technical assistance providers	Fall or winter 2001	TBD (2 locations; one in the East and one in the West)	Jamie Bourne (202) 260-5557 <a href="mailto:bourne.james@epa.gov">bourne.james@epa.gov</a>
Introduction to Comprehensive Performance Evaluations (CPE 201)	State field staff responsible for evaluating operations of surface water plants; State and EPA Regional staff reviewing CPE reports	Dec. 10-14, 2001	Albuquerque, NM	Bill Davis (214) 665-7536 <a href="mailto:davis.williamh@epa.gov">davis.williamh@epa.gov</a>
Progressive CPE Training (CPE 301)	State field staff responsible for evaluating operations of surface water plants; State and EPA Regional staff reviewing CPE reports	Feb. 15-18, 2002	Albuquerque, NM	Bill Davis (214) 665-7536 <a href="mailto:davis.williamh@epa.gov">davis.williamh@epa.gov</a>
Progressive CPE Training (CPE 301)	State field staff responsible for evaluating operations of surface water plants; State and EPA Regional staff reviewing CPE reports	May 13-17, 2002	Albuquerque, NM	Bill Davis (214) 665-7536 <a href="mailto:davis.williamh@epa.gov">davis.williamh@epa.gov</a>
Sanitary Survey Training	EPA Region 8 State and federal drinking water staff	June 2002	Denver, CO	Marty Swickard (303) 312-7021 <a href="mailto:swickard.marty@epa.gov">swickard.marty@epa.gov</a>

\*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](http://www.epa.gov/safewater/dwa/calendar.html)).

DWA courses may be presented as requested. See the course catalog on the DWA Web site for more information ([www.epa.gov/safewater/dwa/course.html](http://www.epa.gov/safewater/dwa/course.html)).