



SACRAMENTO
STATE

Annual 2012-2013 Report

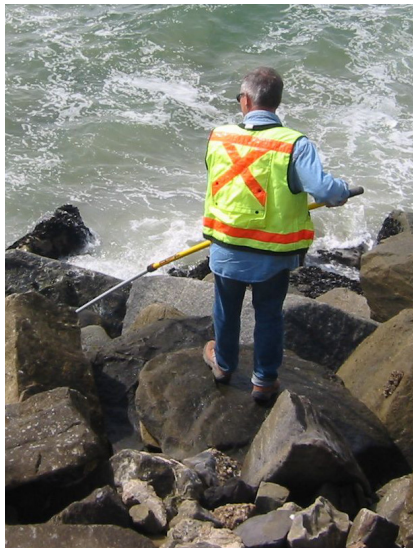


WATER PROGRAMS
SACRAMENTO STATE

Office of Water Programs 2012–2013

In 1972, OWP began providing high-quality training programs for operators of drinking water and wastewater treatment plants and water and sewer systems, and in 1997 the office expanded its services to include technical expertise and applied research management services for stormwater research, including facility runoff characterization monitoring, field testing of best management practices (BMPs), and source identification/control studies. OWP engineers and scientists are experts in defining and developing research programs, providing technical oversight of projects, and analyzing and interpreting data to assure scientifically supported conclusions.


The Office of Water Programs is the international leader in providing training to operators and managers of water and wastewater treatment facilities. The training programs are recognized by all operator licensing boards in the U.S. and Canada as a means of preparing and qualifying for operator certification examinations, which are administered by the appropriate state or provincial agency. All training is offered as distance learning, using correspondence, video, or online formats with opportunities for continuing education units and contact hours for operators, supervisors, managers, and administrators.

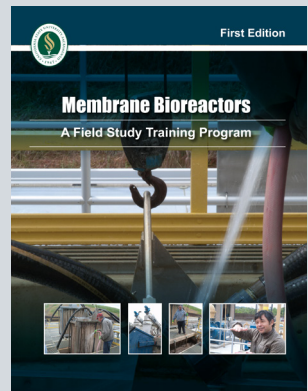


Training Manuals and Courses

The Office of Water Programs continues to provide distance learning opportunities for operators across the country. For 2012–2013, we published one new training manual and began major revisions on three others.

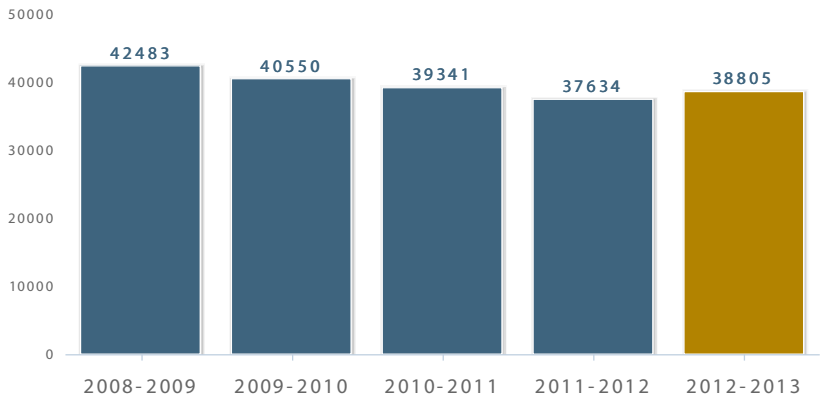
New manual and course:

 **Membrane Bioreactors,**
1st Edition



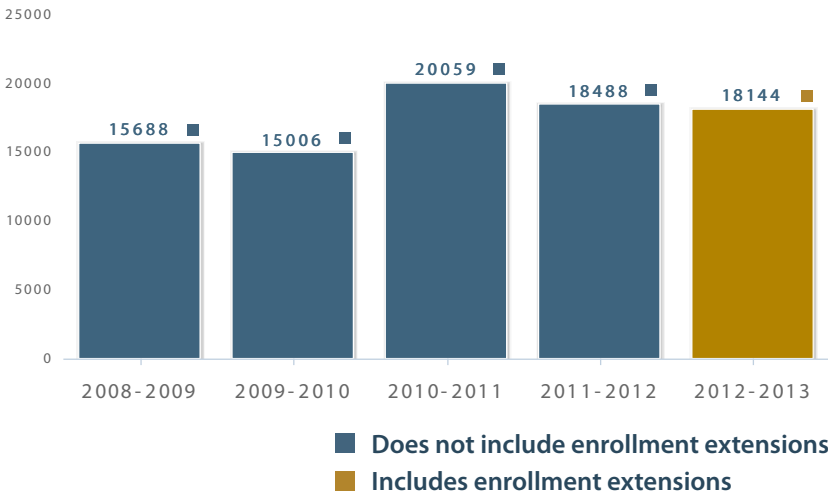
Manuals 5-Year Trend

Source: Office of Water Programs



Enrollments 5-Year Trend

Source: Office of Water Programs



Total sales for the year reached 38,805 manuals and 18,144 enrollments.

Training Services

CASQA

Working with the California Stormwater Quality Association (CASQA), OWP developed and continues to administer an online testing service for the certification of Stormwater Pollution Prevention Plan (SWPPP) developers and practitioners (QSD/QSP) involved in new construction projects throughout the state.

QSD and QSP candidates can purchase, test, and receive grades and certificates from within a single online system. In addition, a publicly accessible tool allows potential employers to locate qualified practitioners who have undergone the appropriate training and certification.

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CASQA QSD and QSP Exam and Account Management Portal

QSD and QSP Exam

QSD and QSP | Manage My Account | Operator Numbers | Change Password | Contact Information | Related Sites

QSD and QSP Exam Completion Steps

1. Specify your underlying Certificate (Required for QSD and QSP certification. NOT required as site owner) [Certificate](#)
2. Specify your training details [Details](#) Jul 26, 2012 QSP
3. Read QSP Review [QSP Review](#)
4. Pay for your registration [Pay](#)
5. Take your exam [Exam](#)

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CASQA QSD and QSP Lookup

Public Lookup

Only one field required for search.

Certificate: All

Last Name:

Certificate Number:

Zip Code:

[Submit Query](#)

Email and mailing addresses that are [QSD] listed, are at the request of the individuals and are not available for distribution.

1 results found

Name	Address	QSD or QSP	Certificate Number	Exam Date	Underlying Certificate	Notes
ANDREW ROYCE CLEANWATER LANDSCAPES 3888 PLUGGINS DRIVE CAMDEN PARK CA 95823		QSD	00001	Aug 15, 2012	CESQA Inactive through Account Management	Expired

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EnviroCert

In association with EnviroCert International, OWP proctored certification exams for the following stormwater and erosion control certification programs: Certified Erosion, Sediment and Storm Water Inspector (CESSWI); Certified Municipal Separate Storm Sewer System Specialist (CMS4S); Certified Professional in Erosion and Sediment Control (CPESC); and Certified Professional in Storm Water Quality (CPSWQ).



For 2012–2013, more than 1,400 QSP/QSD exams were completed and graded and more than 1,600 certificates were renewed using OWP's system; 77 EnviroCert exams were proctored.

Funded Research

New Contracts

Stormwater Technical Assistance

\$6,000,000 from California Department of Transportation (Caltrans), Division of Environmental Analysis (DEA); contract executed May 10, 2013. To assist with stormwater research, especially discharge characterization, source identification and control, and treatment control studies.

Development of Low Impact Development Design Tool

\$278,948 from the State Water Resources Control Board (SWRCB); executed March 28, 2013. To develop and implement a tool to assist with low impact development design.

Development of Engineered Soils to Promote Low Impact Development Implementation


\$339,084 from the State Water Resources Control Board (SWRCB) executed July 8, 2013. To test the treatment performance and conductivity of different engineered soils.

Division of Safety of Dams Mapping Project

\$500,000 from the California Department of Water Resources (DWR); 5-year contract executed January 14, 2013. To assist with dam break flood analysis and emergency action plans.

Clean Watersheds for a Clean Bay (CW4CB) Project BMP Pilot Studies

Two contracts – prime contractors working in collaboration with Bay Area Stormwater Management Agencies Association (BASMAA) and



Bay Area cities/counties: 1) \$27,000 from EOA Inc., executed July 27, 2012; and 2) \$20,000 from Geosyntec, executed November 8, 2012. To assist with stormwater best management practice pilot study design, coordination, and oversight.

Wastewater Technical Expertise

From the Sacramento Regional County Sanitation District; June 11, 2003–June 30, 2016. To provide technical expertise, especially in the areas of wastewater characterization and treatment.

Continuing Contracts

California Stormwater Quality Association (CASQA) Qualified SWPPP Developer (QSD) and Qualified SWPPP Practitioner (QSP) Testing and Certification

Agreement executed January 21, 2011. To develop and implement online system to administer/grade tests and issue and renew certifications.

Stormwater Technical Assistance

\$14,000,000 from California Department of Transportation (Caltrans), Division of Environmental Analysis (DEA); June 1, 2008–May 31, 2013. To assist with stormwater research, especially discharge characterization, source identification and control, and treatment control studies.

Santa Susana Field Laboratory (SSFL) Project Team

\$74,500 from the California Department of Toxic Substances Control (DTSC); original contract executed 2009; renewal executed March 1, 2012. To provide technical assistance on the application of statistical concepts to the Santa Susana Field Laboratory project.

Development of LID Standards, Stormwater Quality Design Manual Updates, & BMP Sizing Tool Enhancement

45,000 from the Sacramento Stormwater Quality Partnership; subcontract under RBF Consulting, executed September 15, 2011. To develop and provide the Partnership (including local cities and Sacramento County) with Low Impact Development standards and best management practices design tools.

Educational Support Services to State Water Resources Control Board (SWRCB)

\$115,000 from the California State Water Resources Control Board (SWRCB); 2-year contract, executed April 16, 2012. To assist the Water Board Academy with development and delivery of educational events and materials.

(1) Division of Safety of Dams Mapping Project and (2) Engineering & Environmental Support to the Central Valley Flood Protection Board (CVFPB)

\$300,000 from the California Department of Water Resources (DWR); 3-year contract June 1, 2010–January 31, 2013. To address the status of California's dam break inundation maps for the Division of Safety of Dams (DSOD); and to identify proposed projects subject to encroachment permitting requirements, assisting with the permit application and staff report for the CVFPB.

OWP Titles

Advanced Waste Treatment (print, course enrollment)

Basic Small Water System Operations (print)

Collection Systems: Methods for Evaluating and Improving Performance (print, course enrollment)

Industrial Waste Treatment, 2 volumes (print, course enrollment)

Manage for Success (print, course enrollment)

Membrane Bioreactors (print, course enrollment)

Operation and Maintenance of Wastewater Collection Systems, 2 volumes (print, DVD, course enrollment)*

Operation of Wastewater Treatment Plants, 2 volumes (print, CD, course enrollment, five online courses)*

Pretreatment Facility Inspection (print, DVD, course enrollment)*

Small Wastewater System Operation and Maintenance, 2 volumes (print, course enrollment)

Small Water System Operation and Maintenance (print, DVD, course enrollment, five online courses)

Treatment of Metal Wastestreams (print, course enrollment)

Utility Management (print, course enrollment)

Water Distribution System Operation and Maintenance (print, course enrollment, five online courses)

Water Systems Operation and Maintenance Video Training Series (print, DVD, course enrollment)

Water Treatment Plant Operation, 2 volumes (print, course enrollment)

*Spanish translations are available for portions of these manuals



www.owp.csus.edu