

WORKSHOP CERTIFICATION

MONDAY, AUGUST 3, 2026

SESSION	TIME	COURSE DESCRIPTION	LOCATION	
9901	7:30 AM – 4:00 PM	Real Control of Primary Clarifiers, Anaerobic Digestion, and Activated Sludge <i>Eric Wahlberg</i>	Half Moon Bay	3 DAY COURSE (7HRS/DAY)
9902	7:30 AM – 4:00 PM	Centrifugal Pumps 101 <i>Aaron Guydosh and Christen Mancini</i>	Mission Bay	1 DAY COURSE (7 HOURS)
9903	Noon – 4:00 PM	Valve-ology: A workshop covering AWWA Valves <i>Kris Wall</i>	Monterey Bay	4 HOUR COURSE
9904	7:30 AM – 11:30 AM	Chloramination Disinfection Analysis, Monitoring and Control <i>Carlos Williams</i>	Monterey Bay	4 HOUR COURSE
9905	7:30 AM – 4:00 PM	Understanding Wastewater Troubleshooting Using a Microscope <i>Steve Leach</i>	Morro Bay	1 DAY COURSE (7 HOURS)
9906	7:30 AM – 11:30 AM	Elevating Operator Expertise in Ion Exchange <i>Jasmina Markovski</i>	Pelican Bay	4 HOUR COURSE
9907	Noon – 4:00 PM	ATP as a Tool for Monitoring Microbial Stability in Water Systems <i>Ryan Cobb</i>	Pelican Bay	4 HOUR COURSE
9908	7:30 AM – 4:00 PM	PFAS 101 – Everything You Didn't Want to Know About PFAS (and Never Would Have Asked) <i>Tonya Chandler</i>	Redwood (Ex)	1 DAY COURSE (7 HOURS)
9909	7:30 AM – 4:00 PM	Collection System Maintenance Grades 1-4 Exam Prep <i>Shawn Spromberg</i>	Cypress (Ex)	1 DAY COURSE (7 HOURS)
9910	7:30 AM – 4:00 PM	Water Distribution Exam Prep Course <i>Steve Hernandez</i>	Joshua (Ex)	1 DAY COURSE (7 HOURS)
9911	7:30 AM – 4:00 PM	Going from Buddy to Boss <i>James McPherson</i>	Palm (Ex)	1 DAY COURSE (7 HOURS)

TUESDAY, AUGUST 4, 2026

SESSION	TIME	COURSE DESCRIPTION	LOCATION	
9901	7:30 AM – 4:00 PM	Real Control of Primary Clarifiers, Anaerobic Digestion, Activated Sludge <i>Eric Wahlberg</i>	Half Moon Bay	3 DAY COURSE (7HRS/DAY)
9912	7:30 AM – 4:00 PM	Water Disinfection Analysis <i>Jon Thomas</i>	Mission Bay	1 DAY COURSE (7 HOURS)
9913	7:30 AM – 11:30 AM	Plant Maintenance Master Class <i>Aaron Guydosh</i>	Monterey Bay	4 HOUR COURSE
9914	Noon – 4:00 PM	Gravity Sewer Assessment, Maintenance, and Rehabilitation Good Practices <i>Michelle Beason and Shelia Joy</i>	Monterey Bay	4 HOUR COURSE
9915	7:30 AM – 4:00 PM	Pretreatment 101 <i>Dave Louch</i>	Pelican Bay	1 DAY COURSE (7 HOURS)
9916	7:30 AM – 4:00 PM	PACP™, LACP™, MACP™ Pipeline, Lateral, and Manhole Assessment <i>Sahar Kunay</i>	Morro Bay	3 DAY COURSE (7HRS/DAY)



WORKSHOP CERTIFICATION



WEDNESDAY, AUGUST 5, 2026

SESSION	TIME	COURSE DESCRIPTION	LOCATION	
9901	7:30 AM – 4:00 PM	Real Control of Primary Clarifiers, Anaerobic Digestion, Activated Sludge <i>Eric Wahlberg</i>	Half Moon Bay	3 DAY COURSE (7HRS/DAY)
9917	7:30 AM – 4:00 PM	Wastewater Analysis for Turbidity and Nutrients <i>Jon Thomas</i>	Mission Bay	1 DAY COURSE (7 HOURS)
9918	7:30 AM – 11:30 AM	Wastewater Math 101: Sharpen Your Skills & Prepare for Certification <i>Shawn Powell</i>	Pelican Bay	4 HOUR COURSE
9919	Noon – 4:00 PM	Intermediate and Advanced Wastewater Exam Prep, Grades III - V <i>Shawn Powell</i>	Pelican Bay	4 HOUR COURSE
9920	Noon – 4:00 PM	Making a Splash with R: Practical Data Skills for Water and Wastewater Professionals <i>Kimi Artita</i>	Monterey Bay	4 HOUR COURSE
9921	7:30 AM – 11:30 AM	Fats, Oils, & Grease (FOG) Boot Camp <i>Sam Mcleod</i>	Monterey Bay	4 HOUR COURSE
9916	7:30 AM – 4:00 PM	PACP™, LACP™, MACP™ Pipeline, Lateral, and Manhole Assessment <i>Sahar Kunay</i>	Morro Bay	3 DAY COURSE (7HRS/DAY)



THURSDAY, AUGUST 6, 2026

SESSION	TIME	COURSE DESCRIPTION	LOCATION	
9916	7:30 AM 04:00 PM	PACP™, LACP™, MACP™ Pipeline, Lateral, and Manhole Assessment <i>Sahar Kunay</i>	Morro Bay	3 DAY COURSE (7HRS/DAY)
9922	7:30 AM 04:00 PM	Operator Math Workshop <i>Lance Mason</i>	Pelican Bay	1 DAY COURSE (7 HOURS)

WORKSHOP SUMMARIES

REAL CONTROL OF PRIMARY CLARIFIERS, ANAEROBIC DIGESTION, AND ACTIVATED SLUDGE (3 DAY COURSE- 7HRS/DAY)

\$620 – Session 9901

WasteWater Technology Trainers’ three-day workshop for operations professionals on real control of treatment processes. The following processes will be covered: primary clarification and anaerobic digesters; activated sludge aeration basins and nutrient removal; and activated sludge secondary clarification and data validity. The science behind each of the processes covered will be presented in detail. With this scientific foundation, attendees will be better prepared to optimize the operation of wastewater treatment facilities. Attendees will receive a copy of the book Activated Sludge Wastewater Treatment: Process Control and Optimization for the Operations Professional. The workshop and book will change the way you operate your plant.

CENTRIFUGAL PUMPS 101 (1 DAY COURSE - 7 HOURS)

\$200 – Session 9902

This will be a hands-on pump repair workshop where students will disassemble a small centrifugal pump and take measurements using various measurement tools. Students will identify parts and learn what they do. Then reassemble it using proper procedures, and the proper tools. Topics include laser alignment basics, pump system troubleshooting, pump sealing options, and more. Each student will receive a handbook that can be used in the field. Last year’s workshop got great reviews.

VALVE-OLOGY: A WORKSHOP COVERING AWWA VALVES (4 HOUR COURSE)

\$25 – Session 9903

Workshop will cover AWWA Valves, AWWA Slide/Sluice Gates, Flap Gates, and associated equipment. Hands-on breakout session will go over specific valve types. We will also review valve assessments along with case studies.

This session bridges the gap between technical theory and field application, providing attendees with a comprehensive understanding of the assets that safeguard our water infrastructure.

CHLORAMINATION DISINFECTION ANALYSIS, MONITORING AND CONTROL (4 HOUR COURSE)

\$75 – Session 9904

This workshop provides a basic overview of water disinfection using chlorine and the conversion to monochloramine as the residual disinfectant. A review of the importance of total chlorine, monochloramine, and free and total ammonia will also be presented, as well as topics covering breakpoint chlorination and the disinfectants / disinfection by products rule (D/DBP rule).

UNDERSTANDING WASTEWATER TROUBLESHOOTING USING A MICROSCOPE (1 DAY COURSE - 7 HOURS)

\$425 – Session 9905

Attendees will gain confidence using a microscope as well as understanding what they need to identify. Once you realize what is important, the microscope becomes a proactive tool and aids the operator in running the system in a steady state operation. This is a popular “hands-on” class utilizing Phase contrast microscopes and attendees can bring their own samples for analysis.



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Dresser Utility Solutions
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WORKSHOP SUMMARIES

ELEVATING OPERATOR EXPERTISE IN ION EXCHANGE (4 HOUR COURSE)

\$25 – Session 9906

This workshop delivers practical guidance on maximizing ion exchange (IX) performance, covering core concepts in resin selection, hydraulic design, process configurations, regeneration techniques, and waste brine handling. It also explores operational considerations for single-use resin in PFAS removal, highlights the importance of pretreatment, and lead/lag configuration strategies. The workshop addresses potential downstream impacts of IX systems and shares actionable operational strategies to mitigate microbial growth and corrosion ensuring reliable, safe, and sustainable IX operations.

ATP AS A TOOL FOR MONITORING MICROBIAL STABILITY IN WATER SYSTEMS (4 HOUR COURSE)

\$55 – Session 9907

Adenosine Triphosphate (ATP) testing is increasingly used by utilities to gain rapid insight into microbial activity. This workshop is designed for laboratory teams, water and wastewater operators, and engineers seeking tools to better understand biological stability in distribution systems and wastewater plants. Participants will learn how ATP provides a real-time, holistic view of living biomass, enabling faster decision-making. Learn how to interpret results with confidence. Attendees are encouraged to bring their own water samples for on-site ATP testing and discussion.

PFAS 101 – EVERYTHING YOU DIDN'T WANT TO KNOW ABOUT PFAS (AND NEVER WOULD HAVE ASKED)

(1 DAY COURSE - 7 HOURS)

\$25 – Session 9908

Get ready to cannonball into the wild world of PFAS. Led by Tonya Chandler, known as 'The PFAS LADY', this workshop mixes science with unapologetic humor, turning dense chemistry into stories you'll remember. We'll trace PFAS from the glory days to the current situation. You'll unpack how shifting CERCLA and DOT rules are reshaping liability, planning, and clean-ups. We'll break down lifecycle costs, compare GAC and IX to next-gen electrostatic and electrochemical systems, and explore what all this means. Meet 'Forever Freddy', the character you didn't know you needed to understand PFAS. This session doesn't just teach, it transforms how you think about one of today's trickiest environmental challenges.

COLLECTION SYSTEM MAINTENANCE GRADES 1-4 EXAM PREP

(1 DAY COURSE - 7 HOURS)

\$250 – Session 9909

Participants of the Collection System Maintenance grades 1 - 4 Exam Prep Course will review the CWEA related topics to successfully pass their operator exams.

We will cover:

- Collection system layouts
- Maintenance, components, and infrastructure
- Safety
- Regulations and management
- Math related to collection systems.

WATER DISTRIBUTION EXAM PREP COURSE

(1 DAY COURSE - 7 HOURS)

\$250 – Session 9910

The water distribution exam prep course will review expected range of knowledge for distribution operators preparing for their grades 1 through 5 exams in California and

grades 1 through 4 for Association of Board Certification exams.

We'll cover:

- Source of supply
- Distribution operations and maintenance
- Water quality
- Safety
- Regulatory & administration
- Electricity & SCADA
- Pumps & motors
- Water math

GOING FROM BUDDY TO BOSS

(1 DAY COURSE - 7 HOURS)

\$175 – Session 9911

This comprehensive workshop is designed to equip current and aspiring leads and supervisors with the essential tools, strategies, and skills needed to excel in leadership roles. Participants will explore key topics, including the fundamental roles and responsibilities of a lead or supervisor, and how effective leadership can drive team success. The workshop will cover ethical leadership practices, strategic planning, and performance evaluation techniques, providing practical insights into managing and optimizing both individual and team performance. Time management and organizational skills will be emphasized to help supervisors stay on top of their responsibilities, while team-building exercises will foster a collaborative and positive workplace culture.

WATER DISINFECTION ANALYSIS

(1 DAY COURSE - 7 HOURS)

\$250 – Session 9912

This workshop addresses laboratory and process analysis for water disinfection. Students learn about sample collection techniques and best practices for analysis of disinfection parameters. Students learn the theory of photometry and how to operate, calibrate, maintain, and troubleshoot colorimeters, spectrophotometers, portable parallel analyzers, and process analyzers. Students will use multiple instruments to measure total chlorine, free chlorine, monochloramine, free ammonia, and total ammonia.





WORKSHOP SUMMARIES

PLANT MAINTENANCE MASTER CLASS

(4 HOUR COURSE)

\$225 – Session 9913

The workshop focuses on every aspect of plant maintenance from oil sampling to the nuts and bolts of rotating equipment. We will go through different scenarios of real-life maintenance issues and how to work through the trouble shooting steps to get equipment back up and running. Students will understand how the critical parts of rotating equipment work and how to work with them. We will also cover condition monitoring, and the pros and cons of the different maintenance plans, including reactive, preventive, predictive, or condition biased. This will be a hands-on workshop, using couplings, laser alignment tools, ultrasound equipment, and measuring tools.

GRAVITY SEWER ASSESSMENT, MAINTENANCE, AND REHABILITATION GOOD PRACTICES

(4 HOUR COURSE)

\$25 – Session 9914

The workshop will cover good practices for assessment, maintenance, and rehabilitation of gravity sewer systems. The workshop includes recommendations for conducting condition assessments, including use of NASSCO's PACP™ assessment methodology, along with the use of AI tools and risk assessment protocols to assist in making asset management decisions.

Topics include:

- Practical Use of Condition Assessment for Maintenance and Rehabilitation Planning
- Good Practices for Sewer Maintenance
- Good Practices for Gravity Sewer Cleaning
- Siphon Cleaning and Inspection
- Repair, Replace, or Rehabilitate?

PRETREATMENT 101

(1 DAY COURSE - 7 HOURS)

\$225 – Session 9915

We will cover the fundamentals of pretreatment for both approved and unapproved programs, including legal authority, industrial user (IU) survey and characterization, IU inspection vs. permit inspection, permit writing and classification, and enforcement. The day will involve hands-on activities, case studies and real-world examples for interactive training. If you have questions about your day-to-day work, please bring those as well. With more than 40 years of Pretreatment experience, we can help break down the complexities of pretreatment regulations and how that translates into implementing a pretreatment program.

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Neptune Technology

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WORKSHOP SUMMARIES

PACP™, LACP™, MACP™ PIPELINE, LATERAL, AND MANHOLE ASSESSMENT (3 DAY COURSE- 7HRS/DAY)

\$1,265 – Session 9916

PACP™, LACP™, MACP™ is a pertinent certification for those individuals who assess the condition of pipelines, laterals, and manholes. The goal of this program is to help pipeline system owners create comprehensive databases to properly identify, plan, prioritize, manage and renovate their assets based on condition evaluation. This program allows individuals to speak the same language regarding pipe defects, coding procedures, documentation and plans for rehab or the replacement of sewers. This is a three-year certification and does require recertification to stay certified. Registration for this certification includes a version 8 field manual, an eBook, a fully accessible NASSCO account and CEUs/PDHs directly from CUIRE.

WASTEWATER ANALYSIS FOR TURBIDITY AND NUTRIENTS (1 DAY COURSE - 7 HOURS)

\$250 – Session 9917

This workshop addresses laboratory and process analysis for wastewater. Students learn about sample collection techniques and best practices for analysis of turbidity and nutrients. Students learn the theory of nephelometry and photometry and how to operate, calibrate, maintain, and troubleshoot nephelometers, colorimeters, and spectrophotometers. You'll learn to measure turbidity, ammonia, nitrate, total nitrogen, phosphate, and total phosphorus. Instruments provided for hands-on experiences include nephelometers, and spectrophotometer.

WASTEWATER MATH 101: SHARPEN YOUR SKILLS & PREPARE FOR CERTIFICATION (4 HOUR COURSE)

\$125 – Session 9918

The workshop will equip you to take the entry level wastewater exam, equivalent to the Grades I and II. We will start with

basics such as converting units, calculating volume and area, and exploring basic wastewater math such as detention time, percent removal, and velocity. Then we will get into the specific math problems such as MCRT, Sludge Age, SVI, Organic and Hydraulic Loading to trickling filters and ponds, weir overflow rate, surface loading rate, and volatile solids reduction. Calculators, workbooks, scratch paper, and pencils are all provided.

INTERMEDIATE AND ADVANCED WASTEWATER EXAM PREP, GRADES III – V (4 HOUR COURSE)

\$150 – Session 9919

In this workshop you will learn math skills necessary to pass your Grade III, IV, or V wastewater exam. We will cover wasting rates, reverse F/M ratios, pump down rate, BOD and NBOD, trickling filter and pond math, dewatering (i.e. percent solids recovery, cubic yards of cake produced, etc), chemical dosing, digestion (BTU, organic loading, etc), and horsepower/kWh calculations. Calculators, workbooks, pencils, and scratch paper are all provided for you.

MAKING A SPLASH WITH R: PRACTICAL DATA SKILLS FOR WATER AND WASTEWATER PROFESSIONALS (4 HOUR COURSE)

\$25 – Session 9920

As water and wastewater systems become more data-driven, professionals must work with larger datasets, tighter reporting cycles, and growing analytical expectations. This workshop introduces practical ways to move beyond Excel using R, a free, open-source programming language that supports efficient data management, visualization, spatial analysis, and statistical evaluations. Using real datasets, attendees will see how R can automate routine tasks, reduce manual effort, and improve the accuracy and reproducibility of everyday analytical work. Students can take meaningful steps toward long-term upskilling in a data-driven environment.

FATS, OILS, & GREASE (FOG) BOOT CAMP (4 HOUR COURSE)

\$25 – Session 9921

Managing Fats, Oils, and Grease (FOG) is critical for protecting municipal infrastructure, preventing overflows, and ensuring regulatory compliance. This workshop provides a fundamental roadmap for developing and coordinating an effective FOG program, drawing on real-world insights from field coordinators and inspectors across the U.S. Participants will gain a technical overview of grease interceptor systems and their specific applications in various settings. Attendees will leave with practical strategies to mitigate collection system blockages while maximizing program efficiency and sustainability.

OPERATOR MATH WORKSHOP (1 DAY COURSE - 7 HOURS)

\$25 – Session 9922

The workshop content is designed to aid operators in understanding applied math as it relates to the water/wastewater industry. The concepts of dimensional analysis, flow, chemical feed, solids handling, detention time, wasting rates, and most importantly, the use of parameter units as opposed to formulas to solve various problems. The problem-solving skills will prepare operators for calculations necessary for their daily duties as well as the certification exams. Numerous example problems will be performed in addition to the classroom discussion. ●

