

WORKSHOP CERTIFICATION

MONDAY, AUGUST 7, 2023 WORKSHOPS

TIME		COURSE DESCRIPTION	LOCATION	SESSION
7:30 AM – 4:00 PM	*** 3 DAY COURSE *** (Day 1 of 3; 7 hours)	PACP / LACP / MACP Initial Certification - \$1,100 <i>Michael Lukas, Back Municipal Consulting</i>	MORRO BAY	9901
7:30 AM – 3:00 PM	*** 2 DAY COURSE *** (Day 1 of 2; 6 hours)	Inspector Training Certification for Manhole Rehabilitation - \$1,220 <i>Rocky Capehart, Back Municipal Consulting</i>	HALF MOON BAY	9902
7:30 AM – 4:00 PM	*** 1 DAY COURSE *** (Day 1 of 1; 7 hours)	MS4 Compliance & Code Enforcement (MS4CCEI) Certification - \$320 <i>T. Luke Owen, NPDES Stormwater Training Institute</i>	MISSION BAY	9903
7:30 AM – 4:00 PM	*** 1 DAY COURSE *** (Day 1 of 1; 7 hours)	Sewer Cleaning 102 - \$325 <i>Malvin Nezat, Nezat Training & Consulting</i>	PELICAN BAY	9904
7:30 AM – 4:00 PM	*** 1 DAY COURSE *** (Day 1 of 1; 7 hours)	Activated Sludge Process Control & Nutrient Removal - \$225 <i>Sidney Innerebner, Indigo Water Group</i>	MONTEREY BAY	9905

TUESDAY, AUGUST 8, 2023 WORKSHOPS

TIME		COURSE DESCRIPTION	LOCATION	SESSION
7:30 AM – 4:00 PM	*** 3 DAY COURSE *** (Day 2 of 3; 7 hours)	PACP / LACP / MACP Initial Certification <i>Michael Lukas, Back Municipal Consulting</i>	MORRO BAY	9901
7:30 AM – 3:00 PM	*** 2 DAY COURSE *** (Day 2 of 2; 6 hours)	Inspector Training Certification For Manhole Rehabilitation <i>Rocky Capehart, Back Municipal Consulting</i>	HALF MOON BAY	9902
7:30 AM – 3:00 PM	*** 1 DAY COURSE *** (Day 1 of 1; 6 hours)	Confined Space Competent Person Training & Certification - \$124 <i>Kris Graham, United Rentals</i>	MONTEREY BAY	9906
7:30 AM – 11:30 AM	*** 4 HOUR COURSE ***	MS4 Compliance & Code Enforcement (MS4CCEI) Recertification - \$150 <i>T. Luke Owen, NPDES Stormwater Training Institute</i>	MISSION BAY	9907
7:30 AM – 11:30 AM	*** 4 HOUR COURSE ***	Valve Selection & Assessment for the Water & Wastewater Industry - \$25 <i>Ben Wall & Steve Carpenter, B&K Valves and Equipment</i>	PELICAN BAY	9908

WEDNESDAY, AUGUST 9, 2023 WORKSHOPS

TIME		COURSE DESCRIPTION	LOCATION	SESSION
7:30 AM – 11:30 AM	*** 3 DAY COURSE *** (Day 3 of 3; 4 hours)	PACP / LACP / MACP Initial Certification <i>Michael Lukas, Back Municipal Consulting</i>	MORRO BAY	9901
7:30 AM – 3:00 PM	*** 2 DAY COURSE *** (Day 1 of 2; 6 hours)	NASSCO Inspector Training Certification for Cured-In-Place Pipe (CIPP) - \$1,220 <i>Rocky Capehart, Back Municipal Consulting</i>	HALF MOON BAY	9909
12:00 PM – 4:00 PM	*** 2 DAY COURSE *** (Day 1 of 2; 4 hours)	PACP / LACP / MACP Recertification - \$1,100 <i>Michael Lukas, Back Municipal Consulting</i>	MORRO BAY	9910
7:30 AM – 4:00 PM	*** 2 DAY COURSE *** (Day 1 of 2; 7 hours)	Overview of Advanced Water Treatment Technologies & Regulations - \$124 <i>Alec Mackie, CWEA</i>	MONTEREY BAY	9911
7:30 AM – 3:00 PM	*** 1 DAY COURSE *** (Day 1 of 1; 6 hours)	Trenching & Shoring - \$124 <i>Kris Graham, United Rentals</i>	MISSION BAY	9912
7:30 AM – 4:00 PM	*** 1 DAY COURSE *** (Day 1 of 1; 7 hours)	PFAS 101: Emerging Trends & Technologies to Solve the PFAS Crisis - \$124 <i>Tonya Chandler, BioLargo Incorporated</i>	PELICAN BAY	9913

THURSDAY, AUGUST 10, 2023 WORKSHOPS

TIME		COURSE DESCRIPTION	LOCATION	SESSION
7:30 AM – 3:00 PM	*** 2 DAY COURSE *** (Day 2 of 2; 6 hours)	NASSCO Inspector Training Certification For Cured-In-Place Pipe (CIPP) <i>Rocky Capehart, Back Municipal Consulting</i>	HALF MOON BAY	9909
7:30 AM – 4:00 PM	*** 2 DAY COURSE *** (Day 2 of 2; 7 hours)	PACP / LACP / MACP Recertification <i>Michael Lukas, Back Municipal Consulting</i>	MORRO BAY	9910
7:30 AM – 3:00 PM	*** 2 DAY COURSE *** (Day 2 of 2; 7 hours)	Overview of Advanced Water Treatment Technologies & Regulations <i>Alec Mackie, CWEA; John Rowe, Office of Water Programs (CSUS)</i>	MONTEREY BAY	9911
7:30 AM – 4:00 PM	*** 1 DAY COURSE *** (Day 1 of 1; 7 hours)	Distribution Operator Exam Prep - \$250 <i>Steven Hernandez, WaterWisePro Training</i>	PELICAN BAY	9914

WORKSHOP SUMMARIES

PACP / LACP / MACP INITIAL CERTIFICATION (3 DAYS)

(\$1,100) – Session 9901

The PACP, LACP, MACP Certification Program provides a thorough introduction to the PACP coding procedures. The purpose of this certification is to assure that all data gathered to describe the conditions within a pipe are collected and coded in a consistent and reliable manner. It is the students' responsibility to not only accurately and consistently code each defect and observation, but to understand how the manual is arranged and learn how to use it effectively. Certification shall be valid for a period of 3 years from date of issuance.

INSPECTOR TRAINING CERTIFICATION FOR MANHOLE REHABILITATION (2 DAYS)

(\$1,220) – Session 9902

The Inspector Training for Manhole Rehabilitation will cover specific areas of expertise that are needed to ensure a manhole rehabilitation project is constructed correctly and meets the requirements of the contract documents.

MS4 COMPLIANCE & CODE ENFORCEMENT (MS4CCEI) CERTIFICATION (1 DAY – 7 HOURS)

(\$320) – Session 9903

The MS4 Compliance & Code Enforcement Certified Inspector (MS4CCEI) course is a 7-hour training experience specifically designed for the annual Tri-State Seminar in Las Vegas, Nevada. The course is developed to credential MS4 stormwater managers and site inspectors (i.e., municipalities, DOT's, military bases & other government owned facilities) for urban stormwater impacts typically located in desert and mountain regions of the United States. Topics covered in this course include *Clean Water Act Fundamentals, Clean Water Act and Stormwater History, Urban Stormwater Impacts, MS4 Permit Compliance and Enforcement Basics, Role of the MS4 Inspector, IDDE Outfall Reconnaissance and Investigations, and Construction and Industrial Facility Inspections.*

Course modules have been developed and reviewed by state and local regulatory personnel and stormwater environmental consulting professionals with over 100 years of combined experience. All attendees

will receive a Certificate of Completion, course manual, notepad, pen, and other training materials. After receiving a passing score of 70%, graduates will be certified for 3-years and will receive a photo MS4CCEI identification card.

SEWER CLEANING 102 (1 DAY – 7 HOURS)

(\$325) – Session 9905

Sewer Cleaning 102 will provide an overview of basic tools and professional wastewater collections tasks. The course will cover some historical context as well as current practices. Equipment selections and maintenance techniques will be explored along with best practices. This course of study will incorporate 7 hours of course time and is accredited by the University of Texas Arlington CUIRE program for PDH's. CEU's are available also in most states. The course will be presented using video-based media followed by testing to ensure comprehension. Certificates of completion will be issued. Topics covered include *Course Introduction - Background of Sewer Maintenance, Production and Cost Issues, Pneumatic Plugs, High-Pressure Sewer Hose, High-Pressure Water Systems, Nozzles, Nozzle Capacity Cleaning, Blockage Removal - Roots and Grease, Vacuum Systems of Combination Cleaning Units, and Decanting of Combination Cleaning Units.*

ACTIVATED SLUDGE PROCESS CONTROL & NUTRIENT REMOVAL (1 DAY – 7 HOURS)

(\$225) – Session 9905

This workshop presents the various control points in activated sludge treatment processes: mixed liquor suspended solids (MLSS) concentration, return activated sludge (RAS), waste activated sludge (WAS), internal mixed liquor recycle (IMLR), dissolved oxygen concentration, ORP, and clarifier solids loading rate. Attendees will learn the typical ranges for each parameter and how to select process control targets for each to achieve effluent goals for ammonia, nitrate, and phosphorus. Hands on activities will include two (2) troubleshooting exercises with attendees broken into small groups, and a Gimkit quiz game.

CONFINED SPACE COMPETENT PERSON TRAINING & CERTIFICATION (1 DAY – 6 HOURS)

(\$124) Session 9906

Geared toward the underground utility industry, this course focuses on creating a safe environment for workers, as outlined in OSHA standard 29 CFR 1910.146. This training is required for those who perform maintenance work in and around confined spaces. Training topics include identifying permit requirements for confined spaces, use of gas monitoring equipment, proper ventilation of confined spaces, and alternate entry procedures. This training program focuses on the needs of the "end user" and upon successful completion, will provide an updated operator's certificate and wallet card.

MS4 COMPLIANCE & CODE ENFORCEMENT (MS4CCEI) RECERTIFICATION (1 DAY – 4 HOURS)

(\$150) – Session 9907

The MS4 Compliance & Code Enforcement Inspector (MS4CCEI) Recertification Course is a 4-hour tailored class designed to re-familiarize MS4CCEI personnel every 3-years. The MS4 program is dynamic and adjusts as federal and state guidelines and regulations change. This course will present federal and state regulatory updates, as well as reintroduce the proven methods for illicit discharge investigations, as well as industrial facility and construction site inspection protocol.

According to the USEPA, 75% of NPDES Permittees will not comply with their clean water act NPDES permits. Unless there is effective local MS4 Inspector site involvement in the facilities that discharge pollutants into America's watersheds, people will unfortunately pollute our shared water resources. This course is designed to equip MS4CCEI certified personnel with information that will continue to improve and maintain the water quality in their respective watersheds.

VALVE SELECTION & ASSESSMENT FOR THE WATER & WASTEWATER INDUSTRY (1 DAY – 4 HOURS)

(\$25) – Session 9908

This presentation will examine the different types of valves that are used in the water and wastewater industry. It will review why certain valves are best suited for certain applications and operating conditions. This course will also review AWWA valve assessments and case studies.

WORKSHOP SUMMARIES

NASSCO INSPECTOR TRAINING CERTIFICATION FOR CURED-IN-PLACE PIPE (CIPP) (2 DAYS)

(\$1,220) – Session 9909

The Inspector Training for CIPP will cover specific areas of expertise that are needed to ensure that a trenchless project is built correctly and meets the requirements of the contract documents.

PACP / LACP / MACP INITIAL RECERTIFICATION (2 DAYS)

(\$1,100) – Session 9910

The PACP, LACP, MACP recertification provide a thorough review of the PACP coding procedures and best practices, and provides an opportunity for users to update to current PACP changes and additions. Certification shall be valid for a period of 3 years from date of issuance.

OVERVIEW OF ADVANCED WATER TREATMENT TECHNOLOGIES & REGULATIONS (2 DAYS)

(\$124) – Session 9911

This exploration of Advanced Water Treatment (AWT) certification topics is concerned primarily with presenting an overview of the processes associated with this technology. Definitions of the processes and technologies are the center piece in this presentation. Some of the uses and reasons that AWT is becoming a treatment process of choice will be presented along with the regulations that are guiding the adoption of the technology. In this presentation, attendees are asked to bring their questions and experiences, and share them with the group. This course is hopefully a sharing of experiences and ideas concerning AWT and an exchange of information. After completion of this webinar, you should be able to: list wastewater reuse water uses, identify water sources for advanced water treatment applications,

identify regulatory rules and framework for advanced water treatment trains, identify critical control points in advanced water treatment and their purpose, and compare and contrast an overview of advanced water treatment processes and instrumentation associated with these technologies.

TRENCHING & SHORING (1 DAY – 6 HOURS)

(\$124) – Session 9912

United Rentals' Excavation Safety Training for Competent Persons has been designed by professional trainers to meet OSHA standard 1926 subpart P requirements for excavation oversight. The course will include topics on soil classification, sloping and benching, timber shoring, aluminum hydraulic shoring, requirements for protective systems, manufactured tabulated data, site specific engineering, and general requirements and competent person responsibilities.

PFAS 101: EMERGING TRENDS & TECHNOLOGIES TO SOLVE THE PFAS CRISIS (1 DAY – 7 HOURS)

(\$124) – Session 9913

This workshop will cover the history of PFAS and the relative benefits of common and emerging treatment technologies, as well as an overview of current and upcoming regulations being enacted at the state and federal levels. Special focus will be observed on the potential impact of CERCLA and RCRA regulations as they pertain to treatment and handling of treatment-related waste will be observed. Select case studies detailing the treatment of PFAS-contaminated water by at least one novel treatment technology and one traditional treatment technology will be discussed.

DISTRIBUTION OPERATOR EXAM PREP (1 DAY – 7 HOURS)

(\$250) – Session 9914

The Distribution Operator Exam Prep Workshop will prepare operators for their Distribution Exam. We will cover California State Water Resources Control Board (SWRCB) Expected Range of Knowledge for Grades 1-5, and Need to Know Criteria for Grades 1-4. Topics include Source Water, Distribution System Components, Water Quality, Regulatory, Safety, Electrical (Water Related), and Pumps & Motors as well as Water Math. All attendees will receive the Distribution Exam Study Guide specific to their state. ●

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