

# TEC Services Approved Classes 2026

## Core Classes

### **Basic Water Operations**

**TCEQ Class Code 092**

**20 Hours Water**

Designed to provide an overview of water utility system responsibilities, public relations, water quality, production, disinfection, distribution, and water utility safety. This class plus the Water Resiliency Core Overview is needed to be able to apply for the D Water Exam.

Class includes a Study Guide, 2 Practice Exams and Supplemental Math to help prepare student for exam.

### **Basic Wastewater Operations**

**TCEQ Class Code 059**

**20 Hours Wastewater**

Course provides participants with an introduction to wastewater collection and treatment along with a brief review of the water cycle. The course covers sources and pretreatment of domestic waste as well as characteristics of wastewater.

### **Groundwater Production**

**TCEQ Class Code 223**

**20 Hours Water**

Designed to provide an overview of the origins and sources of groundwater, its physical and chemical characteristics as well as treatment protocols. In addition to these topics, students will discuss considerations for well location, construction issues, and factors related to spring-fed systems versus aquifers.

Required class to take the Groundwater Exam.

### **Surface Water Production I**

**TCEQ Class Code 942**

**20 Hours Water**

Course utilizes industry professionals to provide information specific to water treatment for public consumption approved by the Texas Commission on Environmental Quality (TCEQ). Training provided covers water taste and odor considerations, iron and manganese removal, and special water treatment processes. Participants also receive information necessary to become familiar with filtration principles, to include filter types, media, operation, and maintenance.

### **Customer Service Inspections**

**TCEQ Class Code 173**

**10 Hours Water, CSI, BPAT**

Designed to provide the necessary training for individuals who have met the Texas Commission on Environmental Quality requirements and wish to obtain a customer service inspector license. The holder of the customer service inspector license may perform a Customer Service Inspection (CSI) as outlined by the rules and regulations provided by the TCEQ.

### **Water Utility Calculations**

**TCEQ Class Code 108**

**20 Hours Water, WW**

Course provides participants with fundamentals surrounding the determination of flow level formulas, area and volume calculations, as well as water and wastewater treatment plant calculations.

### **Utility Safety**

**TCEQ Class Code 426**

**20 Hours Water, WW**

Provides students with important information specific to confined spaces, proper personal protective equipment, and biological and chemical safety issues. Additionally, participants are guided through proper procedures associated with excavating and trenching, electrical safety, work site protection, safe vehicle operation, first aid safety tips, and best practices associated with a successful safety program.

# Water Resiliency Classes

## **Water Resiliency Core Overview TCEQ Class Code 1664**

**2 Hours Water Res, WW**

This course discusses recommended resiliency measures for water and wastewater operators, including information on the National Incident Management System (NIMS) and Incident Command System (ICS), Texas' state disaster assistance, the TCEQ's Emergency Preparedness Plan, mutual aid agreements, and critical components of water and wastewater systems. The course is designed to fulfill the TCEQ-approved Resiliency Overview core course requirement. This class can not be taken again for water resiliency credits.

## **Safety Awareness Safety Short TCEQ Class Code 1752**

**2 Hours Water Res, WW, BPAT,**

**Ongoing Water Resiliency Credit PLUS others listed**

**CSI, LI, OSSF**

Meets TCEQ Requirements for ONGOING Water Resiliency Training. Topics include why "accidents" happen and how to avoid them. Added topics include Slips, Trips, Falls and Ladder Safety

# Renewal Hour Classes

## **Chlorine & Bac-t Sampling**

**TCEQ Class Code 597**

**4 Hours Water, WW**

Discuss chlorine residual requirements and how to obtain a valid result using handheld devices. Show common errors made by operators that can give a result that is "false". Show how devices work and explain how SpecChecks work and documentation requirements. Review the Total Coliform Rule, show how to correctly take a bacteriological sample to avoid false positives. Describe the 5 different types of samples and how to fill out the TCEQ chain of custody. Show how samples are analyzed by a NELAC accredited lab and what to do if they come back positive for total coliform or E.coli.

## **Common Water Complaints**

**TCEQ Class Code 1559**

**4 Hours Water, CSI**

This course covers typical water quality concerns that customers may report, including taste, odor, color, and pressure issues. Participants will learn how to identify potential causes, communicate effectively with customers, and take appropriate actions to investigate and resolve complaints while maintaining regulatory compliance and public confidence.

## **Chlorine Safety**

**TCEQ Class Code 781**

**4 Hours Water, WW**

Discuss hazards with the three forms of chlorine – bleach, HTH and gas chlorine. Show how to connect/disconnect a gas cylinder and a 1 ton container. Explain the safety features and the need to use respirators/SCBA's. Demonstrate how to use a repair kit A for a 150 pound gas cylinder.

## **HAZCOM/ Chlorine Safety**

**TCEQ Class Code 1302**

**8 Hours Water, WW**

Participants will learn how to read labels and Safety Data Sheets (SDS), recognize chemical hazards, and apply proper handling, storage, and disposal practices to prevent injury and exposure.

Focus on chlorine hazards, emergency response procedures, proper storage, and personal protective equipment (PPE) requirements to minimize risk and ensure a safe working environment. Show disconnect/connect of a 1 ton chlorine gas container and the use of repair Kit A for a 150 pound gas cylinder.

## **Chemical Awareness**

**TCEQ Class Code 1481**

**4 Hours Water, WW**

This course introduces participants to the hazards associated with chemicals commonly used in the workplace. It covers safe handling, storage as well as how to read labels and Safety Data Sheets (SDS). Discussion on bulk chemical delivery procedures and offloading will occur.

**Water & Wastewater Sampling****TCEQ Class Code 1565****2 Hours Water, WW**

Discuss the difference between process control and compliance sampling for water and wastewater. Explain when to take a grab sample, time composite or a flow weighted composite. Show different sample techniques, sample type, preservation methods, hold times and the need for proper chain of custody

**Cross Connection Control 8 Hour TCEQ Class Code 1246****8 Hours Water, WW, CSI, BPAT, LI**

Covers the principles of cross connection control and backflow prevention in water systems. Participants will learn how backflow occurs, the types of cross connections and methods to prevent contamination of the public water supply. Practical examples and real-world scenarios help participants understand how to identify potential risks and implement effective control measures to ensure safe, compliant water system operations.

**Cross Connection Control 4 Hour TCEQ Class Code 1245****4 Hours Water, WW, CSI, BPAT, LI**

A shortened version of the 8 hour class listed above.

Introduces the fundamentals of backflow and its potential risks to public water systems. Participants will learn how backflow occurs and common causes. The course also covers identifying hazards, understanding backflow devices, and practical steps to protect water supplies from contamination.

**Backflow Awareness****TCEQ Class Code 1667****2 Hours Water, WW, CSI, BPAT, LI**

Show how cross connection and backflow can adversely affect your water system and give operator the knowledge to be able to identify a possible "cross connection". Designed for students with no knowledge of this subject and a refresher for those that do. The more staff that you have that can identify potential health issues in your water system the better it will be.

**Flushing & Hydrant Maintenance****TCEQ Class Code 1254****5 Hours Water, WW**

Covers fire hydrant types, how they work, proper procedures for flushing, inspecting, and maintaining fire hydrants to ensure reliable operation. Participants will learn how to identify common hydrant issues, prevent water quality problems during flushing, concepts of unidirectional flushing and how to measure flow.

**Lab Basics****TCEQ Class Code 1443****8 Hours Water, WW**

Learn basic skills all operators should know for process control and reporting purposes. General lab safety, sampling techniques, sample collection, how to make a standard, pH, temperature, turbidity, hardness alkalinity, chlorine and coliform analysis.

**Basic Math 8 Hour****TCEQ Class Code 1429****8 Hours Water, WW, CSI, BPAT, LI**

Fundamental math concepts for the water/wastewater operator will be presented. Designed to help new and existing employees who struggle with math. Problems with conversions, area, volume, capacity, Dosage/Demand/Residual, PSI, Pumping/Static/Drawdown, MGD flow, pounds formula and detention time will be explained in basic terms. More time can be 57

**Basic Math 4 Hour****TCEQ Class Code 1428****4 Hours Water, WW, CSI, BPAT, LI**

Fundamental math concepts for the water/wastewater operator will be presented. Designed to help new and existing employees who struggle with math. Problems with conversions, area, volume, capacity, Dosage/Demand/Residual, PSI, Pumping/Static/Drawdown and MGD flow will be explained. If time permits the pounds formula will also be covered.

# 2 Hour Safety Short Series

Topics can be combined to create a 4 or 8 hour class

## **Safety Awareness Safety Short    TCEQ Class Code 1752    2 Hours Water Res, WW, BPAT, CSI, LI, OSSF**

Meets TCEQ Requirements for ONGOING Water Resiliency Training. Topics include why "accidents" happen and how to avoid them. Added topics include Slips, Trips, Falls and Ladder Safety

## **PPE    TCEQ Class Code 1552    2 Hours Water, WW, BPAT, CSI, LI, LPST, UST**

Discusses the purpose and proper use of personal protective equipment in the workplace. Participants will learn how to select, wear, and maintain PPE, recognize its limitations, and reduce exposure to common job-related hazards. PPE gear detailed from head to toe!

## **Eye Wash and Fire Safety    TCEQ Class Code 15523    2 Hours Water, WW**

Covers inspection, maintenance, and best practices to ensure eye wash stations and safety showers are effective and ready when needed. Discuss the basics of fire prevention, hazard recognition, and emergency response. Participants will learn how to identify fire risks, use fire extinguishers safely, and take appropriate action during a fire emergency.

## **Heat and Cold Safety    TCEQ Class Code 1554    2 Hours Water, WW, BPAT, CSI, LI, LPST, UST**

Covers the health risks of working in extreme hot and cold conditions, including signs and symptoms of heat- and cold-related illnesses. Participants will learn practical prevention methods and basic response actions to reduce injury and stay safe on the job.

## **Confined Space    TCEQ Class Code 1561    2 Hours Water, WW, BPAT, CSI, LPST, UST**

Introduces the hazards of confined spaces, including atmospheric, physical, and biological risks. Participants will learn how to recognize confined spaces, understand basic entry requirements, and apply safe work practices to prevent injury or fatality.

## **Hazcom    TCEQ Class Code 1556    2 Hours Water, WW, LPST, UST**

Covers the basics of workplace chemical safety, including understanding labels, Safety Data Sheets (SDS), and proper handling practices. Participants will learn how to recognize hazards and take steps to prevent chemical-related injuries and exposures.

## **Trench Safety    TCEQ Class Code 1596    2 Hours Water, WW, BPAT, CSI, LI, LPST, UST**

Covers the hazards associated with trenching and excavation work, including cave-ins, hazardous atmospheres, and equipment risks. Participants will learn basic protective methods, safe work practices, and hazard recognition to reduce the risk of serious injury or death.

## **Things that Bite and Sting    TCEQ Class Code 1604    2 Hours Water, WW, BPAT, CSI, LI, OSSF**

Covers common hazards from insects, animals, and snakes that bite or sting. Learn how to recognize risks, prevent exposure, identify signs of reactions, and respond safely to bites and stings in the field and workplace.

## **Work Zone & Driving Safety    TCEQ Class Code 1620    2 Hours Water, WW, BPAT, CSI, LI, OSSF, LPST, UST**

Addresses hazards related to work zones and job-related driving. Participants will learn safe work zone practices, traffic awareness, defensive driving principles, and methods to reduce the risk of vehicle-related injuries and incidents.

**Electrical Safety****TCEQ Class Code 1654****2 Hours Water, WW, BPAT, CSI, LI, OSSF,  
LPST, UST, WTS, MSW**

Introduces common electrical hazards in the workplace, including shock, arc flash, and equipment-related risks. Participants will learn basic electrical safety principles, LOTO procedures, hazard recognition, and safe work practices to help prevent injury and equipment damage.

**Heavy Equipment and Tool Safety****TCEQ Class Code 1876****2 Hours Water, WW, BPAT,  
CSI, LI, OSSF, WTS, LPST, MSW, UST**

Covers common hazards associated with heavy equipment and power tools. Participants will learn safe operating practices, hazard recognition, and basic controls to help prevent injuries, property damage, and equipment accidents.

**Basic First Aid****TCEQ Class Code 1879****2 Hours Water, WW, BPAT,  
CSI, LI, OSSF, WTS, LPST, MSW, UST**

Provides instruction on basic first aid principles for workplace and utility-related incidents. Topics include recognizing medical emergencies, assessing injuries, providing initial care for common injuries and illnesses, Stop the Bleed tactics and taking appropriate action until emergency medical services arrive.

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## Non Credit Review Classes

### **Basic Water Review**

### **D Water Exam Prep Class (no TCEQ Credit)**

Designed to assist employees wanting to take the D Water Exam.

Review all chapters in the TEEX Basic Water Manual and spend time on working basic math problems.

\*Training Manual not provided – student should have own from when they took the Basic Class and they are encouraged to have it with them during class.

### **Basic Wastewater Review**

### **D Wastewater Exam Prep Class (no TCEQ Credit)**

Designed to assist employees wanting to take the D Water Exam.

Review all chapters in the TEEX Basic Wastewater Manual and spend time on working basic math problems.

\*Training Manual not provided – student should have own from when they took the Basic Class and they are encouraged to have it with them during class.

### **Customer Service Inspector Review**

### **CSI Prep Class (no TCEQ Credit)**

Designed to assist employees wanting to take the CSI Exam.

Review all chapters in the TRWA CSI Manual and spend time on backflow devices.

\*Training Manual not provided – student should have own from when they took the CSI Class and they are encouraged to have it with them during class.

## **Other Non Credit Safety Sessions**

### **30 Minute or 60 minute “Tailgate” Session Safety Topic Classes**

### **NO TCEQ Credit**

Designed to assist in creating a more robust safety program and meet internal safety requirements.

Sign in Sheets, handouts and short quiz can be provided

A list of topics can be given from which to select, or at your suggestion created.

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