

Course 1: EL306 - Contaminants of Concern - PFAS
AWWA Self-paced eLearning Course

Description & Learning Objectives	
Course Title:	Contaminants of Concern - PFAS
Course Learning Objectives:	<p>As a result of this eLearning course, you will:</p> <ol style="list-style-type: none">1. Define the occurrence and formation of PFAS including what makes them the forever chemical2. Recognize the relationship between PFAS and health effects3. Examine EPA's integrated approach to PFAS including interim and final health advisories4. Gather and critically interpret existing data to inform monitoring and testing plans to evaluate sources waters for PFAS5. Identify the current technologies and strategies for PFAS removal from drinking water sources
Long Description:	<p>"Forever Chemicals" have made it into mainstream news, but what are per- and poly-fluoroalkyl substances, or PFAS? This self-paced eLearning course will explain PFAS and how this class of synthetic chemicals is being found in water systems, becoming an important topic in the water sector and contaminant of concern.</p> <p>The purpose of this course is to provide important information on the scope of the PFAS issue as it relates to drinking water. It covers EPA's integrated approach to PFAS including requirements and best practices for water monitoring, testing, treatment, disposal, and stakeholder communication.</p>
Short Description (1 sentence):	The purpose of this course is to provide important information on the scope of the PFAS issue as it relates to drinking water.

Author Biography:

Tarrah Henrie is Director of Quality at California Water Service, she is a water process scientist with 16 years of experience solving inorganic and organic drinking water contaminant and regulatory compliance challenges. For the past several years, Tarrah has been involved with hexavalent chromium research, planning, treatment, and legislation. Nitrate, ammonia, nitrification, trichloropropane, algal toxins, and cross-connection control are other areas of interest. She has opened our new office in the California Bay Area.

Tarrah has an M.S in Soil Science (University of California, Davis) and a B.S. in Environmental Soil and Water Science, and a minor in Geology (Utah State University, Logan). Additionally she is a certified Water Treatment Operator T2, Water Distribution Operator D2, Backflow Prevention Tester, and Cross Connection Specialist. Tarrah has been an active member and chair for several committees with AWWA, CA-NV AWWA, and California Water Association.

Steve Via is Director of Federal Relations at American Water Works Association. In his role at AWWA, Via works in partnership with association volunteers to lead the development of programs to initiate, evaluate, respond and comment on regulatory issues within the framework of association policy.

Steve has an M.S. in Environmental Science and Engineering and a B.S. in Environmental Sciences.

Instructional Designer:

Andrew Appell, Education Development Specialist is in Denver, CO, and joined the American Water Works Association (AWWA) in 2020. He has over 10 years of experience working in the water sector, first as a Planner for a large city drinking water utility, and then extensively as an international water, sanitation, and hygiene (WASH) trainer and technical advisor for a Canadian non-government organization in various countries. He also has experience teaching high school Social Studies for a few years. Andrew has a BA in Economics/Business from Colorado College, a MSc in Water Management specializing in Community Water and Sanitation from Cranfield University, and an MA in Education and Human Development from University of Colorado – Denver.