

## **SPECIALIZED TRAINING PROGRAMS AND COURSES**

**UPDATED APRIL 23, 2026**

**APPROVED BY THE VIRGINIA BOARD FOR WATERWORKS AND WASTEWATER WORKS OPERATORS  
AND  
ONSITE SEWAGE SYSTEM PROFESSIONALS**

### GENERAL INFORMATION

1. The following programs have been specifically approved by the Board for Waterworks and Wastewater Works Operators and Onsite Sewage System Professionals (Board) to conduct training courses that may be substituted for some of the experience required to qualify to sit for the examination for a waterworks or wastewater works operator license.
2. The Board uses the term "TC" for training credits. TCs differ from Continuing Professional Education (CPE) in that TCs are used to substitute for experience requirements for initial licensure and must be approved by the Board in a formal process. "CPE" is education that is used by existing licensees to satisfy the renewal requirement for a particular license and is not approved by the Board. CPE content is required to be limited to those items covered by the Board's examination for the relevant license for which CPE is completed.
3. The titles of the approved courses offered by each sponsor are listed along with the number of TCs awarded for successful completion of each course. One training credit is equal to one month of experience substitution. No licensee may substitute more than 50% of the total experience required for any license applied for per 18VAC160-30-130 C of the Board's regulations.
4. No credit will be given for any course that is not on the current list. Exception: Courses provided by federal agencies; state agencies; or certain institutions, schools, and universities, for which continuing education units are awarded, may qualify for TCs without prior Board approval. Those courses may not appear on this list. To receive credit for those courses, a detailed hour-by-hour course schedule along with evidence of course completion must be provided with the application.
5. All certificates under the approved program may be used again to substitute for experience in a higher class license.
6. No experience substitution is allowed for Class 4, Class 5, or Class 6 licenses per 18VAC160-30-110 A of the Board's regulations.

**AMERICAN WATER COLLEGE**

**For more information please contact:**

Joe Kirschner  
P.O. Box 152  
Valley Mills, TX 76689  
(661) 874-1655

Course	TC's	Approval Date	WWO	WWWO	OSSO	OSSI	OSSE
Advanced Water Treatment	4.2	January 26, 2023	X				
Applied Chemistry	2.9	January 26, 2023	X	X	X		
Applied Hydraulics	2.0	January 26, 2023	X	X	X	X	X
Distribution System Review (4 hrs.)	0.4	January 26, 2023	X				
	0.2			X	X		X
Distribution System Review (8 hrs.)	0.8	January 26, 2023	X				
	4.0			X	X		X
Distribution System Review (12 hrs.)	1.2	January 26, 2023	X				
	.6			X	X		X
Distribution System Review (16 hrs.)	1.6	January 26, 2023	X				
	.8			X	X		X
Electricity for the Water Industry	1.3	January 26, 2023	X	X	X	X	
Introduction to Water Treatment	4.3	January 26, 2023	X				
Wastewater Operator Exam Preparation Class 1	5.8	January 26, 2023		X	X		
Wastewater Operator Exam Preparation Class 2	5.5	January 26, 2023		X	X		
Wastewater Operator Exam Preparation Class 3	4.9	January 26, 2023		X	X		
Wastewater Operator Exam Preparation Class 4	3.5	January 26, 2023		X	X		
Wastewater Treatment Review (4 hrs.)	0.4	January 26, 2023		X	X		X
Wastewater Treatment Review (12 hrs.)	1.2	January 26, 2023		X	X		X
Wastewater Treatment Review (21 hrs.)	2.1	January 26, 2023		X	X		X
Water Quality	4.1	January 26, 2023	X				
	3.5			X			
Water Sources	2.0	January 26, 2023	X				
	1.0			X	X		X
Water Transmission and Distribution I	4.8	January 26, 2023	X				
	2.1			X	X		

	4.8		X				
Water Transmission and Distribution II	1.4	January 26, 2023		X	X		
Water Treatment Math	3.6	January 26, 2023	X	X	X	X	X
	0.4		X				
Water Treatment Review (4 hrs.)	0.2	January 26, 2023		X	X		
	0.8		X				
Water Treatment Review (8 hrs.)	0.4	January 26, 2023		X	X		
	1.2		X				
Water Treatment Review (12 hrs.)	0.6	January 26, 2023		X	X		
	1.6		X				
Water Treatment Review (16 hrs.)	0.8	January 26, 2023		X	X		
	3.9		X				
Waterworks Operator Class 1	1.9	January 26, 2023		X	X		
	3.6		X				
Waterworks Operator Class 2	1.8	January 26, 2023		X	X		
	3.5		X				
Waterworks Operator Class 3	1.7	January 26, 2023		X	X		
	3.3		X				
Waterworks Operator Class 4	1.6	January 26, 2023		X	X		

**AMERICAN WATER WORKS ASSOCIATION (AWWA), VIRGINIA SECTION**

**For more information please contact:**

Cynthia Barnes  
cynthia.barnes@vaawwa.org  
(434) 238-5131

Course	TC's	Approval Date	WWO	WWWO	OSSO	OSSI	OSSE
Cross Connection Devices	1.60	November 14, 2017	X	X	X		

**AQUA-AEROBIC SYSTEMS, INC.**

**For more information please contact:**

Monica Alfano

(815) 639-4511

Course	TC's	Approval Date	WWO	WWWO	OSSO	OSSI	OSSE
Innovative Treatment Technologies	0.36	April 26, 2018	X	X	X	X	X

**AQUA NEXUS LC**

**For more information please contact:**

James Evan Woods  
670 N 6th Street  
Wytheville, VA 24382  
evan@aquanexus.org  
(276) 451467

Course	TC's	Approval Date	WWO	WWWO	OSSO	OSSI	OSSE
Waterworks Operations	2	April 22, 2024	X				

**AT YOUR PACE ONLINE**

**For more information please contact:**

Tony Bowers  
[www.aypotech.com/virginia-water-operator-continuing-education](http://www.aypotech.com/virginia-water-operator-continuing-education)  
(877) 724-6150

Course	TC's	Approval Date	WWO	WWWO	OSSO	OSSI	OSSE
5 Hour Water Utility Management Course	0.60	January 29, 2019	X				
	0.3			X			X

**CALIFORNIA STATE UNIVERSITY (SACRAMENTO)**

**For more information please contact:**

Jamie McCartney  
Office of Water Programs  
6000 J Street  
Sacramento, CA 95819

[www.owp.csus.edu](http://www.owp.csus.edu)

[wateroffice@owp.csus.edu](mailto:wateroffice@owp.csus.edu)

(919) 278-6142

Course	TC's	Approval Date	WWO	WWWO	OSSO	OSSI	OSSE
Disinfection, Laboratory Procedures, and Math	4.3	October 28, 2021	X	X	X		X
	2.1					X	
Math Applications in Water Treatment	2.1	April 18, 2019	X	X	X	X	X
Math Applications in Water Distribution	1.9	April 18, 2019	X	X	X	X	X
Manage for Success: Effective Utility Leadership Practices	1.7	June 21, 2006	X	X	X	X	X
Operations & Maint. Of Wastewater Collection Systems, Vol. II	6.4	November 3, 2021		X	X		X
	3.2		X			X	
Operation of Wastewater Treatment Plants, Vol. II	4.0	April 4, 1996		X			
Pretreatment Facility Inspection	7.5	October 28, 2021		X			
Safety, Beginning Treatment, and Lagoon Systems	4.0	October 28, 2021		X			
	2.0	October 28, 2021	X		X		
Secondary Treatment	3.6	October 28, 2021		X	X	X	X
Treatment of Metal Wastestreams	2.6	October 28, 2021		X			
	1.3		X		X		
Water Systems Operation and Maint. Video Training Series	2.0	June 21, 2006	X	X	X		X
	1.0					X	
Operation of Wastewater Treatment Plants, Vol. 2A Treatment Plants and Tertiary Treatments	3.5	January 26, 2023		X			
	2.8		X				
	1.7				X		
Operation of Wastewater Treatment Plants, Vol. 2B Solids Management and Plant Maintenance	4.0	January 26, 2023		X			
	1.7		X				
	2.0				X		
703A-Water Distribution: Safety	2.2	April 20, 2023	X	X			
	1.1				X	X	X
703B-Water Distribution: Distribution Facilities	3.1	April 20, 2023	X	X			
	1.5				X		
703C-Water Distribution: Disinfection	2.1	April 20, 2023	X	X	X		
703D-Water Distribution: Operation & Maintenance	2.5	April 20, 2023	X	X	X		

703E-Water Distribution: Management	2.1	April 20, 2023	X	X	X		
CE38A-Operation of Wastewater Treatment Plants Vol. I-Wastewater Specialist Program	9.0	April 20, 2023		X			
	4.5		X		X		
CE38B-Operation of Wastewater Treatment Plants Vol. II-Wastewater Specialist Program	12.0	April 20, 2023		X			
	6.1		X		X		
CE39-Advanced Waste Treatment Wastewater Specialist Program	10.5	April 20, 2023		X			
	5.2		X		X		
Collection Systems: Methods for Evaluating and Improving Performance	2.3	April 20, 2023	X	X			
	1.1				X		
104C-Math Application in Wastewater	3.8	April 20, 2023	X	X	X	X	X
101C-Math Application in Collection Systems	2.2	April 20, 2023	X	X	X	X	X
Membrane Bioreactors	8.7	April 20, 2023		X			
	4.3		X		X		X
Training Videos	6.8	April 20, 2023	X	X	X		
Pretreatment Facility Inspection Training Videos	5.9	April 20, 2023		X			
	2.9		X		X		
Advanced Waste Treatment	10.2	July 27, 2023		X			
	5.1		X		X	X	X
CE28A-Water Treatment Plant Operation I 2	12.9	July 27, 2023	X				
	6.4			X	X	X	X
CE28B-Water Treatment Plant Operation II 2	13	July 27, 2023	X				
	6.5			X	X	X	X
CE29-Small Water System Operation & Maint. 2	11.5	July 27, 2023	X				
	5.7			X	X	X	X
Industrial Waste Treatment, Volume I	13	July 27, 2023		X			
	6.5		X		X		
Industrial Waste Treatment, Volume II	10.9	July 27, 2023		X			
	5.4		X		X		
Operations & Maint. Of Wastewater Collection Systems, Vol. I	9	July 27, 2023	X	X			
	4.5				X	X	X
Small Wastewater System Operation and Maint., I	6.6	July 27, 2023		X			
	3.3		X		X	X	X
	6.6			X			

Small Wastewater System Operation and Maint., II	3.3	July 27, 2023	X		X	X	X
	2.2		X				
702A Small Water Systems--Wells	1.1	July 27, 2023		X	X	X	X
	2		X				
702B Small Water Systems--Treatment Plants	1	July 27, 2023		X	X	X	X
	2.4		X				
702C Small Water Systems--Disinfection	1.2	July 27, 2023		X	X	X	X
	2.7		X				
702D Small Water Systems--Safety & Introduction to Small System Management	1.3	July 27, 2023		X	X	X	X
702E Small Water Systems--Lab Procedures	2.5	July 27, 2023	X	X	X		
Utility Management	1	July 27, 2023	X	X	X	X	X
Water Distribution System Operation and Maintenance	11.2	July 27, 2023	X	X	X	X	X
	12.7		X				
Water Treatment Plant Operation, Vol. I	6.3	July 27, 2023		X	X	X	X
	13.8		X				
Water Treatment Plant Operation, Vol. II	6.9	July 27, 2023		X	X	X	X
Industrial Waste Treatment Vol. A-Introduction, Safety, Waste Monitoring, Preliminary Treatment	5.3			X			
	2.5	July 27, 2023	X				
Industrial Waste Treatment Vol. B-Physical and Physical/Chemical Treatment Processes	4.5			X			
	2.2	July 27, 2023	X				
Industrial Waste Volume C.-Instrumentation and Control and Facility Maintenance	3.9			X			
	1.9	July 27, 2023	X				
Operation of Wastewater Treatment Plants Vol. 3A Treatment Plants, Effluent Discharge	2.8			X			
	1.4	June 29, 2023	X		X		
Operation of Wastewater Treatment Plants Vol.3B Intrumentation and Control	4.1		X	X			
	2.0	June 29, 2023			X	X	
Industrial Waste Treatment Vol 2 A Introduction and Fixed Film Processes	2.3			X			
	1.2	April 11, 2024	X		X		
Industrial Waste Treatment Vol 2 B Activated Sludge Processes and Nutrient Removal	3.4			X			
	1.7	April 11, 2024	X		X		
Industrial Waste Treatment Vol 2 C Anaerobic Treatment and Residual Solids Management	3.2			X			
	1.6	April 11, 2024	X		X		

Membrane Bioreactors	3.1	April 10, 2025		X			

2 These courses are versions of "Water Treatment Plant Operation, Volumes I & II", and "Small Water System Operation and Maintenance" with an available on-line exam. Any person submitting a certificate for the "Water Treatment Plant Operation Specialist Certificate Program" indicating the completion of all three courses shall be eligible for the TC's earned in each course. The maximum allowable TC's will be based upon the class of licensure being applied for.

**CENTRAL CAROLINA TECHNICAL COLLEGE/ENVIRONMENTAL TRAINING CENTER**

**For more information please contact:**

Joshua Castleberry  
 SC Environmental Training Center  
 506 N Guignard Drive  
 Sumter, SC 29150  
[castleberryjs@cctech.edu](mailto:castleberryjs@cctech.edu)  
 (803) 778-6656

Course	TC's	Approval Date	WWO	WWWO	OSSO	OSSI	OSSE
Biological Wastewater Treatment Operators Short School (Levels A, B, C, D)	2.0	February 9, 1994		X	X	X	X
	1.0		X				
Physical/Chemical Wastewater Treatment Plant Operators Short School (Levels A, B, C, D)	2.0	February 9, 1994	X	X	X		
Water Distributions System Operation & Maintenance Short School (Levels A, B, C, D)	2.0	February 9, 1994	X	X	X	X	X
Water Treatment Plant Operators Short School (Levels A, B, C, D)	2.0	February 9, 1994	X				
	1.0			X	X	X	X

**DAVID H. PAUL, INC.**

**For more information please contact:**

Darrell Cunningham  
 1911 Rustic Place

Farmington, NM 87401  
dcunningham@dhptraining.com  
(505) 326-3431

Course	TC's	Approval Date	WWO	WWWO	OSSO	OSSI	OSSE
Math, Chemistry, Biology INWT 145	1.0	December 21, 2000	X	X	X	X	X
Reverse Osmosis INWT 146	2.0	December 21, 2000	X	X	X	X	X
R O Troubleshooting INWT 147	2.0	December 21, 2000	X	X	X	X	X
High Purity Water from Ion INWT 160	1.0	December 21, 2000	X	X			
Ion Exchange Operation INWT 161	1.0	December 21, 2000	X	X	X	X	X
Maintaining High Purity INWT 162	4.0	December 21, 2000	X				
	2.0			X	X		
Pretreatment Troubleshooting INWT 255	1.5	December 21, 2000	X	X			
	0.7				X		
Scaling and Fouling Troubleshooting INWT 256	1.5	December 21, 2000	X	X	X	X	X
Advanced R O Monitoring/Cleaning INWT 257	2.0	December 21, 2000	X	X	X		
Feedwater & Pretreatment INWT 270	1.0	December 21, 2000	X	X	X	X	X
Ion Exchange Troubleshooting INWT 271	2.0	December 21, 2000	X	X	X		
	1.0					X	X
Post Ion Exchange INWT 272	1.5	December 21, 2000	X	X	X		
	0.7					X	X
Reverse Osmosis Specialist I Certification	3.8	July 27, 2023	X	X	X		
	1.9					X	X
(OLC110) Introduction to Water Treatment	0.9	July 27, 2023	X				
	0.4			X	X	X	X
(OLC111) Water Treatment Plant Fundamentals	1.8	July 27, 2023	X				
	0.5			X	X	X	X
(OLC112) Water Treatment Math	0.6	July 27, 2023	X	X	X	X	X
(OLC113) Water Treatment Chemistry	1	July 27, 2023	X	X	X		
	0.5					X	X
(OLC115) Piping and Instrumentation Diagrams	0.3	July 27, 2023	X	X	X	X	X
(OLC116) Reverse Osmosis Water Treatment	1.3	July 27, 2023	X	X	X		
	0.6					X	X
(OLC117) Reverse Osmosis Operation &	1.3		X	X	X		

Maintenance	0.6	July 27, 2023				X	X
(OLC118) Reverse Osmosis Monitoring & Troubleshooting	1.4	July 27, 2023	X	X	X		
	0.7					X	X
(OLC411) Ion Exchange Water Treatment	0.8	July 27, 2023	X	X	X		
	0.4					X	X
(OLC413) Distillation	0.2	July 27, 2023	X	X	X		
	0.1					X	X
(OLC501) OCM of RO Ssystem-ROSII	2.8	July 27, 2023	X	X	X		
	1.4					X	X

**D.R. WANLESS AND ASSOCIATES LLC**

**For more information please contact:**

Dennis R. Wanless  
427 Shadowbrook Drive  
Burlington, NC 27215  
(336) 538-2262

Course	TC's	Approval Date	WWO	WWWO	OSSO	OSSI	OSSE
Aeration Principles, Applications, and Technologies	0.4	October 26, 2017	X	X	X		
	0.2					X	X

**ENVIRONMENTAL OPERATING SOLUTIONS, INC.**

**For more information please contact:**

Brendan Luther  
53 Portside Drive  
Pocasset, MA 02559  
[bluther@microc.com](mailto:bluther@microc.com)  
(423) 571-3720

Course	TC's	Approval Date	WWO	WWWO	OSSO	OSSI	OSSE
EOSi Principles of BNR	0.5	July 25, 2019		X	X	X	X
	0.2		X				

## **HAMPTON ROADS SANITATION DISTRICT APPRENTICESHIP PROGRAM (HRSD)**

**For more information please contact:**

Elizabeth Aultice

Apprenticeship Program Manager

757.460.7288

1434 Air Rail Avenue | Virginia Beach, VA 23455

eaultice@HRSD.com

<b>Course</b>	<b>TC's</b>	<b>Approval Date</b>	<b>WWO</b>	<b>WWWO</b>	<b>OSSO</b>	<b>OSSI</b>	<b>OSSE</b>
Biological Treatment Process I	2.1	September 7, 2010	X	X	X	X	
	1.0						X
Biological Treatment Process II	2.1	September 7, 2010	X	X	X	X	
	1.0						X
Bearings and Lubrication	2.1*	December 10, 1992	X	X	X		
	1.0*					X	X
Incineration	2.1*	December 10, 1992		X	X		
Fundamentals of Electricity and Instrumentation	2.1	December 10, 1992	X	X	X		
	1.0					X	X
Introduction to Wastewater Treatment & Maintenance 1	2.1*	December 10, 1992		X	X		
	1.0		X			X	X
Introduction to Treatment and Maintenance 2	2.1	December 10, 1992		X	X		
	1.0					X	
V-Belt, Coupling and Drive Alignment*	2.1	December 10, 1992	X	X	X		
	1.0					X	
Valves and Piping Systems*	2.1	March 19, 1992	X	X	X		
	1.0					X	
Pipe & Pipefitting*	2.1	March 19, 1992	X	X	X		
	1.0					X	
Preliminary and Primary Treatment*	2.1	December 10, 1992		X	X		
	1.0		X			X	X
Odor Control and Chemical Addition*	2.1	December 10, 1992		X	X		
	1.0		X			X	X
	2.1*		X	X	X		X

Pumping Systems I	1.0*	December 10, 1992				X	
	2.1		X	X	X		X
Pumping Systems II	1.0*	December 10, 1992				X	
Shop Prints & Mechanical Drawing	2.1	March 19, 1992	X	X	X	X	X
	2.1*		X	X	X		
Sanitary Chemistry I	1.0*	December 10, 1992				X	X
	2.1*		X	X	X		
Sanitary Chemistry II	1.0*	May 1, 2016				X	X
	2.1*		X	X	X		
Wastewater Analysis*	1.0*	December 10, 1992				X	X
	2.1		X	X	X		
-Biosolids Processing	1.0	December 10, 1992				X	X
	2.1*			X	X		
Solids Handling & Management	1.0*	December 10, 1992	X			X	X
	2.1			X	X		X
Stream Ecology	1.0	December 10, 1992	X				
	2.1			X	X		X
Stream Ecology (online)	1.0	March 22, 2013	X				
	2.1		X	X	X		
Biological Nutrient Removal I	1.0	December 10, 1992				X	X
	2.1		X	X	X		
Biological Nutrient Removal II	1.0	December 10, 1992				X	X
Disinfection	2.1*	December 10, 1992	X	X	X	X	X
	2.1			X	X		
Wastewater Treatment I	1.0	December 10, 1992	X			X	X
	2.1			X	X		
Wastewater Treatment II	1.0	December 10, 1992	X			X	X
Treatment Plant Math I	2.1	December 10, 1992	X	X	X	X	X
Treatment Plant Math II	2.1	December 10, 1992	X	X	X	X	X

\*Operator experience credit may be given for grades of C or better for plant & maintenance operators enrolled in the apprenticeship program.

**HEYWARD INCORPORATED OF VIRGINIA****For more information please contact:**

Steve Childers  
10146 West Broad Street  
Glen Allen, VA 23060  
(804) 965-0086

Course	TC's	Approval Date	WWO	WWWO	OSSO	OSSI	OSSE
Regional Pump School	0.6	December 7, 2017	X	X	X	X	X

**ILLINOIS STATE WATER SURVEY****For more information please contact:**

Katie Buckley  
2204 Griffith Drive, 432  
Champaign, IL 61820  
[info@wateroperator.org](mailto:info@wateroperator.org)  
(217)244-8239

Course	TC's	Approval Date	WWO	WWWO	OSSO	OSSI	OSSE
Groundwater and Well Care for Public Water Systems	0.2	July 25, 2019	X				
	0.1			X	X	X	X

**MARYLAND CENTER FOR ENVIRONMENTAL TRAINING****For more information please contact:**

Tara Jones  
8730 Mitchell Road  
La Plata, MD 20646  
(301) 934-7500

Course	TC's	Approval Date	WWO	WWWO	OSSO	OSSI	OSSE
Electrical Troubleshooting	0.7	March 11, 2003	X	X	X	X	X

**MICHIGAN STATE UNIVERSITY (MSU)**

**For more information please contact:**

Keith Bezant Niblett

<https://execed.broad.msu.edu/>

edp@broad.msu.edu

(517) 353-8711

Course	TC's	Approval Date	WWO	WWWO	OSSO	OSSI	OSSE
Maintenance Management in Water & Wastewater	3.0	September 23, 1993	X	X	X	X	X
Supervisory Management in Water & Wastewater Field	3.0	September 23, 1993	X	X	X	X	X

**MUNICIPAL H2O**

**For more information please contact:**

Steve Glenn

650 S. Shackleford Road, Suite 325

Little Rock AR 72211

(800) 897-9425

Course	TC's	Approval Date	WWO	WWWO	OSSO	OSSI	OSSE
EPA Risk Management Program: Internal Auditing for Water and Wastewater Facilities	0.5	April 18, 2019	X	X	X	X	X

**NORTH CAROLINA STATE LABORATORY OF PUBLIC HEALTH**

**For more information please contact:**

Michele Sartin

4312 District Drive

Raleigh, NC 27607

(919) 807-8879

Course	TC's	Approval Date	WWO	WWWO	OSSO	OSSI	OSSE
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Bacteriological Methods for the Analysis of Drinking Water	1	April 16, 2015	X	X	X		
	0.5					X	X

**OMNISITE**

**For more information please contact:**

Emmie Ward  
 203 West Morris Street  
 Indianapolis, IN 46225  
 eward@omnisite.com  
 (317) 885-6330

Course	TC's	Approval Date	WWO	WWWO	OSSO	OSSI	OSSE
Technical Training	1.25	June 15, 2012	X	X	X	X	X

**TETRA TECH INC**

**For more information please contact:**

Michael Schmidt  
 4433 Corporation Lane Ste 300  
 Virginia Beach, VA 23462  
 michael.schmidt@tetratech.com  
 (770) 738-6059

Course	TC's	Approval Date	WWO	WWWO	OSSO	OSSI	OSSE
Plant Utilities (NPW System, Plant Drain PS, & Process Drain PS) Operations Training	2.4	October 23, 2025		X			
IDB & NRCY-2 Operations Training	2.4	October 23, 2025		X			
Primary Treatment (PC 1 – 5, Scum Pumping, Solids Pumping) Operations Training	2.4	October 23, 2025		X			
Odor Control & Effluent Disinfection (FCS, CCT 5, Chlorination Building) Operations Training	2.4	October 23, 2025		X			
Final Dewatering & Metal Salts Operations Training	2.4	October 23, 2025		X			

Secondary Clarifiers & RAS (SC 6 - 7, SCIC, RAS PS 3) Operations Training	2.4	October 23, 2025		X			
Intermediate Pumping (PEEQ) Operations Training	2.4	October 23, 2025		X			
Gravity Thickening (PGT, PSSHB) Operations Training	2.4	October 23, 2025		X			
Final Effluent Pumping & Scum Concentration Operations Training	2.4	October 23, 2025		X			
Blowers Operations Training	2.4	October 23, 2025		X			
Aeration Tanks Operations Training	2.4	October 23, 2025		X			

**THOMAS W. FORE (TOM FORE WATER & WASTEWATER CONSULTING)**

**For more information please contact:**

(434) 944-3445

Course	TC's	Approval Date	WWO	WWWO	OSSO	OSSI	OSSE
Ethics for Water, Wastewater and Onsite Sewage System Professionals	0.3	July 27, 2017	X	X	X	X	X

**UF TREEO CENTER**

**For more information please contact:**

Sienna Horton

3900 SW 63rd Boulevard

Gainesville, FL 32608

Springdale, AR 72765

(352) 392-9570

[www.treeo.ufl.edu](http://www.treeo.ufl.edu)

Course	TC's	Approval Date	WWO	WWWO	OSSO	OSSI	OSSE
Wastewater Treatment Plant Operations Class C&B	14.7	October 27, 2022		X	X		
Training Course--Online	7.3		X			X	X

**U.S. POULTRY & EGG ASSOCIATION**

**For more information please contact:**

Paul J. Bredwell III  
1530 Cooledge Road  
Tucker, GA 30084  
[www.uspoultry.org](http://www.uspoultry.org)  
(678) 514-1973

Course	TC's	Approval Date	WWO	WWWO	OSSO	OSSI	OSSE
Poultry Wastewater Operators Training Course	1.5	January 19, 2017		X	X		
	0.7		X			X	X

**VEOLIA WATER MUNICIPAL SERVICE NORTH AMERICA LLC**

**For more information please contact:**

Cindy Snyder  
Technical Training Manager  
461 From Road, Suite 400  
Paramus, NJ 07652  
(201) 397-5076  
[us.vna.veolia.academy@veolia.com](mailto:us.vna.veolia.academy@veolia.com)

Course	TC's	Approval Date	WWO	WWWO	OSSO	OSSI	OSSE
Water Treatment Operator 1	1.2	April 23, 2026	X				
Water Treatment Operator 2	1.2	April 23, 2026	X				
Water Treatment Operator 3	1.2	April 23, 2026	X				
Wastewater Treatment Fundamentals I: Liquid Treatment	1.2	April 23, 2026		X			
Wastewater Treatment Fundamentals II: Solids Handling and Support Systems	1.2	April 23, 2026		X			
Preliminary and Primary Treatment Fundamentals	0.02	April 23, 2026		X			
Biological Treatment Fundamentals	15.6	April 23, 2026		X			
Nutrient Removal Fundamentals	10.2	April 23, 2026		X			
Disinfection Fundamentals	10.2	April 23, 2026		X			

Activated Sludge Fundamentals	15.6	April 23, 2026		X			
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**VIRGINIA DEPARTMENT OF ENVIRONMENTAL QUALITY (DEQ)**

**For more information please contact:**

Jason Spicer  
 Operator Training & Assistance Water Division  
 1111 East Main Street  
 Richmond, VA 23219  
 (804) 659-2658

Course	TC's	Approval Date	WWO	WWWO	OSSO	OSSI	OSSE
(DEQ 13) Activated Sludge Process Control, Part 1 (Observations & Testing)	1.4	March 22, 2013		X	X		
	0.7		X			X	X
(DEQ 14) Activated Sludge Process Control, Part 2 (Process Control & Troubleshooting)	1.4	January 15, 2016		X	X		
	0.7		X			X	X
(DEQ 21) Activated Sludge Process Control, Part 3 (Microscopic Examination)	1.4	March 22, 2013		X	X		
	0.7		X			X	X
(DEQ22) Activated Sludge Process Control, Part 4 (BNR/EBPR Process Control and Troubleshooting)	1.4	February 29, 2016		X	X		
	0.7		X			X	X
(DEQ 19) Basic Lab Skills	1.0	March 7, 2007	X	X	X	X	X
(DEQ 18) Introduction to Biological Nutrient Removal (BNR)	0.7	January 15, 2016		X	X		
	0.3		X			X	X
(DEQ 17) Nutrient General Permit Reporting	0.3	December 4, 2008		X	X	X	X
	0.1		X				
(DEQ 15) Package Treatment Plant Operation Workshop	1.3	September 9, 2003		X	X	X	X
	0.6		X				
(DEQ 12) Sampling & Testing for Small Wastewater Treatment Plants	1.0	April 15, 1999	X	X	X	X	X
(DEQ 16) VPDES Permit Recordkeeping and Reporting	0.35	September 14, 2005	X	X	X	X	X
(DEQ 20) Wastewater Math for Operators	2.0	September 14, 2005	X	X	X	X	X
(DEQ 100) Wastewater Works Operator Licensure Review	2.4	October 24, 2019		X	X	X	X
	1.2		X				
	.7			X	X	X	X

DEQ 24 – Wastewater Utility Management	.35	April 11, 2024	X				
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**VIRGINIA TECH WATERWORKS/WASTEWATER WORKS ANNUAL OPERATORS SHORT SCHOOL**

**For more information please contact:**

Cary Hoge  
cpeinfo@vt.edu  
(540) 231-5182

Course	TC's	Approval Date	WWO	WWWO	OSSO	OSSI	OSSE
Water/Waste Operator Short Course Level 1	3.3	July 21, 1993	X	X	X		
Water/Waste Operator Short Course Level 2	3.3	July 21, 1993	X	X	X		
Water/Waste Operator Short Course Level 3	3.3	July 21, 1993	X	X	X		
Water/Waste Operator Short Course Level 4*	3.3	July 21, 1993	X	X	X		
Small Onsite System Course*	3.3	July 21, 1993		X	X	X	X

*\*Prior approved courses that were incorporated into the VA Tech Short School.*

**VIRGINIA WESTERN WORKFORCE DEVELOPMENT SERVICES**

**For more information please contact:**

Bryan Walke  
3074 Colonial Avenue SW  
Roanoke, VA 24015  
bwalke@viriniawestern.edu  
(540) 857-6492

Course	TC's	Approval Date	WWO	WWWO	OSSO	OSSI	OSSE
Using the ABC Wastewater Treatment Formula Table	1.8	October 25, 2018	X	X	X	X	X
Using the ABC Water Treatment Formula Table	1.8	July 27, 2023	X	X	X	X	X