



The AWTTO Certification Program

Launching May/June 2019



**AWT OPERATOR
CERTIFICATION**



American Water Works Association

California-Nevada Section



CWEA



Agenda

- 1) What is it
- 2) Why a new certification
- 3) How to sign-up for the exam



What is Advanced Water Technology?



What is Advanced Water Technology?

- ❖ **Adsorption/Exchange**
- ❖ **Advanced Oxidation**
- ❖ **Biological Filtration**
- ❖ **Disinfection (Advanced)**
- ❖ **Finished Water Chemical Stabilization**
- ❖ **Iron and Manganese Removal**
- ❖ **Membrane Bioreactors (MBR)**
- ❖ **Membrane Desalination**
- ❖ **Membrane Filtration**

Reasons to Get Certified






Reasons to Get Certified



1) Advance your water career



2) Agencies may require certification to work at a AWTf



3) Corrects issue of fairness for operators



4) Increase AWT training and networking

Why a new certification?





Developing New Sources of Water



Increasing Number of AWTFs





Public Confidence





Meeting Regulatory Requirements



SWRCB Permits

Water Sector Voices



2015 meeting of the California DPR Feasibility Expert Panel

A Certification Program that Works

A WHITE PAPER

Potable Reuse Operator Training and Certification Framework

Revised February 2016



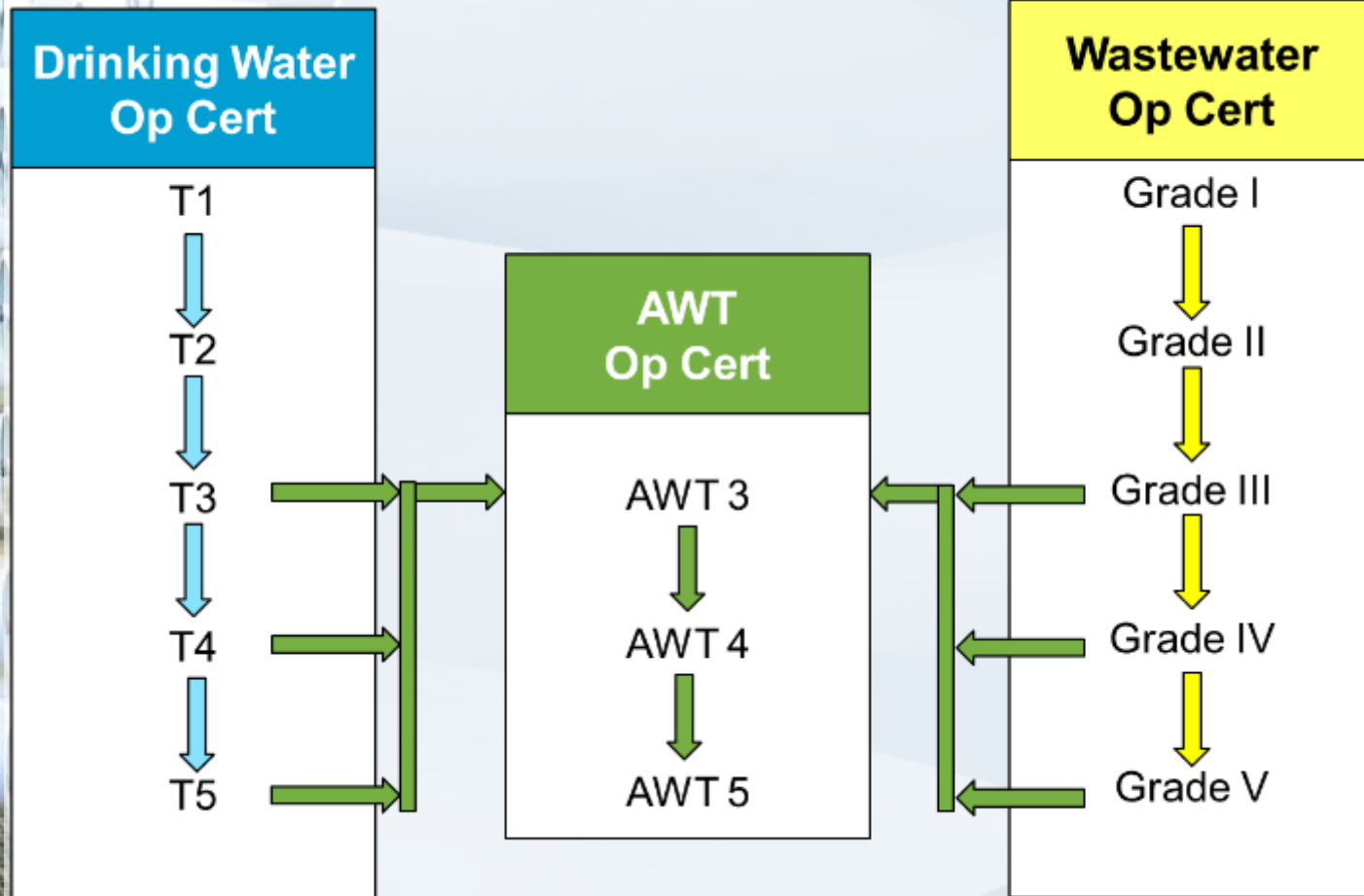
table of contents //

- 1 Executive Summary
- 2 Introduction
- 3 Operator Certification Survey
- 4 Current Operator Certification Practices
- 5 Existing Operator Training Opportunities
- 6 Advanced Water Treatment Processes Used in Potable Reuse
- 7 Gaps in AWT System Operator Skill Needs
- 8 Exploring Possible Paths Forward
- 9 CUWA Potable Reuse Operator Certification Workshop Outcomes
- 10 Conclusions & Recommendations
- 11 References
- 12 Acronyms



**CUWA Report
2016**

AWTO™ - Supplement to Existing Operator Certification



Supported by Water Agencies



Signing up for the Exam

2) Remember the Minimum Qualifications

Grade	Certification	Experience <i>(can be obtained prior to exam)</i>	Exam
AWT3	State T3 or WW3 or higher	None	Pass AWT3 exam
AWT4	AWT3	2 years in one or more AWT processes	Pass AWT4 exam
AWT5	AWT4	3 years in one or more AWT processes , of which, 1 year must be in at least two AWT processes	Pass AWT5 exam





Signing up for the Exam



**3) Download the
exam application**
COMING SOON

AWTOperator.org or CA-NV-AWWA.org

Signing up for the Exam

4) Volunteer Administrator Review



Signing up for the Exam

5) The computerized testing center will contact you





Potential Study Resources



Available soon on
AWTOperator.org

1. AWT0 Candidate Handbook
2. Reference List of Exam Items



Practice Your Skills at an AWTF



Exam Study Suggestions

- Study groups
- Flash cards
- Ask for help from Senior Operators
- Study, study, study

Potential Study Resources

- ❖ CA-NV AWWA and CWEA workshops
- ❖ SWMOA workshops / membrane certificate
- ❖ WRF (WE&RF) AWT training modules
- ❖ AWWA Manuals of Practice
- ❖ WEF Manuals of Practice
- ❖ CSUS Office of Water Programs
- ❖ Community College AWTF classes
- ❖ Manufacturer operations & training sessions
- ❖ Regulations, reporting and safety directions from Federal, State and local jurisdictions
- ❖ Private trainers





CA-NV AWWA & CWEA AWT Workshops



AWTOperator.org



Taking the Exam

The center will ask for ID and provide a list of center rules





Taking the Exam



Results are instant





Did Not Pass



Re-Apply

Next Step > Next Exam?

AWT3

AWT Operator
Grade 3

AWT4

AWT Operator
Grade 4

AWT5

AWT Operator
Grade 5

Wait
90
Days





AWT OPERATOR CERTIFICATION



American Water Works Association

California-Nevada Section



CWEA

AWTOperator.org

Candidate Services by CA-NV AWWA

NOT OPEN YET. COMING SOON

Outreach Coordinator

Alec Mackie

amackie@cwea.org

Agency Services

Steven Garner

sgarner@ca-nv-awwa.org