

# TCP WEBINAR

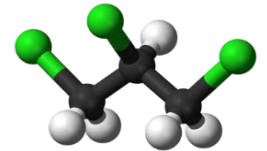
## SOURCEWATER CONTAMINANT SOLUTIONS

### 1,2,3-Trichloropropane

Problem assessment, treatment strategies, financing options  
 An educational information-exchange webinar program from the American Ground Water Trust



**Thursday, January 14, 2021**  
**9:00am – 11:30am (Pacific time)**



**What the webinar program will discuss:**

- Health risks from TCP in drinking water
- Origins & extent of TCP problems in California
- Route map for seeking a legal route to cost recovery
- Equipment design and configurations for TCP removal
- Installation and O & M costs of treatment technologies
- State regulatory requirements for water supply providers
- Financing options for providing treatment and/or alternative supply sources
- Initiating a legal remedy - be aware of the “statute of limitations” on litigation

This webinar is offered at no cost to the staff and board members of public water supply entities in California where TCP contamination is a concern.

#### Continuing Education

Approved by CA State Water Resources Control Board for CA Water Operators – 2.5 Hours  
 Certificate of Attendance available for all attendees upon completion of CE Form  
 For CE Requirement information for this webinar, please go to our website, [www.agwt.org/events](http://www.agwt.org/events)

Thank you to these event sponsors and American Ground Water Trust corporate members for their support of this webinar



## BACKGROUND:

The motivation for this webinar is AGWT's education mission to provide objective information to facilitate groundwater management decisions. Water providers must respond to concerns about health issues, property values, remediation options and infrastructure costs related to the occurrence of TCP compounds. Many providers have already installed remediation equipment or have developed alternative sources. Paying for installation and operation of equipment to remediate contamination can be a particular expense burden for small systems. One of the funding options is to seek compensation from the polluters. **There is urgency to offer this information-exchange webinar** on California's TCP water contamination issues because of the impending statute of limitations threshold for seeking legal redress from those responsible for the occurrence of the chemicals in groundwater.

## PARTICIPATION:

All webinar attendees must register. The ZOOM access codes will only be e-mailed to registered participants. The program is of particular relevance for water utility managers and their board members in areas affected (or potentially affected) by TCP contamination. The webinar is offered at no cost to the staff and board members of public water supply entities in California where TCP contamination is a concern.

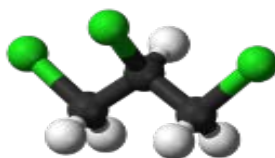
There is a \$50 registration cost for all others to attend the webinar. The program is pertinent to all professionals and end-users concerned with water quality issues and water supply infrastructure.

[Registration at [www.agwt.org/events](http://www.agwt.org/events).]

**Certificates of attendance for continuing education will be provided to attendees upon request.**

## WEBINAR PRESENTATIONS:

- 💧 **INTRODUCTION – DRINKING WATER AND HEALTH - GROUNDWATER PROTECTION PRINCIPLES**  
Andrew Stone, Executive Director, American Ground Water Trust, Concord, NH
- 💧 **WHERE DID THE 123 TCP COMPOUNDS COME FROM? - AN ASSESSMENT OF CALIFORNIA'S TCP ISSUES**  
Anthony Brown, CEO & Principal Hydrologist, Aquilogic, Costa Mesa, CA
- 💧 **ECONOMIC IMPACTS ON WATER SUPPLY UTILITIES AND AGENCIES FOR REMOVING TCP**  
Rodney T. Smith, Ph.D., President, Stratecon Inc., Ontario, CA
- 💧 **EQUIPMENT DESIGN, INSTALLATION AND OPERATION OPTIONS FOR REMOVAL OF TCP**  
Kelsey Hakes, Business Development Engineer, AqueoUS Vets, Redding, CA
- 💧 **SHIFTING CONTAMINATION COSTS FROM RATE PAYERS TO POLLUTERS**  
Ken Sansone, Partner, SL Environmental Law Group PC, San Francisco, CA



# 1,2,3-TCP Webinar – January 14, 2021

## Professional background of Presenters

### Andrew Stone, Executive Director, American Ground Water Trust, Concord, NH



Andrew Stone has an MSc and a Hydrogeology Diploma from University College, London. He has experience in Africa and America as a university professor, groundwater consultant, & educator. Since 1989 he has worked in the US as a private-sector consultant, as adjunct professor and as groundwater educator, advocate and outreach specialist for the non-profit American Ground Water Trust.

He has convened over 250 “information-exchange” conferences and workshops focused on groundwater issues. He has organized over 70 “Groundwater Institutes” that have trained 2,000 science teachers and educators on water resources issues and the basics of hydrology. He is a recipient of the National Ground Water Association “Oliver Award” in for his work in promoting groundwater education.

### Anthony Brown, CEO & Principal Hydrologist, Aquilogic, Costa Mesa, CA



Anthony is the founder, Chief Executive Officer and Principal Hydrologist at aquilogic. Prior to aquilogic, he was the Chief Business Development Officer at exp, Senior Vice-President of Strategy & Development at WorleyParsons, and the global sector leader for their Environment business. He was previously the CEO and one of the founding principals at Komex Environmental, a global environmental consulting company. Anthony received his MS degree in Engineering Hydrology from Imperial College London.

He has over 25 years of experience in many aspects of infrastructure engineering and environmental consulting, with a focus on hydrologic science, water resources, environmental engineering, and water treatment & supply. He has provided expert testimony in numerous “high -profile” cases involving emerging and recalcitrant chemicals in groundwater. Anthony has also briefed the following on the impact of industrial chemicals on water resources: United States Environmental Protection Agency (US EPA) and State regulators; White House Officials; US State, and local elected officials and Professional bodies and academic institutions.

### Kelsey Hakes, Business Development Engineer, AqueoUS Vets, Redding, CA



Ms. Hakes is experienced in the water treatment, environmental, and oil and gas industries. Her extensive knowledge base includes municipal and industrial water systems, GAC and ion exchange media, process control engineering and application metallurgy. AqueoUS Vets® designs, manufactures, and delivers Granular Activation Carbon (GAC) Treatment Systems for 1,2,3-TCP removal remediation sites across California. This includes the selection, supply, and installation of the carbon for those 1,2,3-TCP remediation sites.

Previous positions included account management, business development, and engineering design at Evoqua Water Technologies and Control Components Inc. Ms. Hakes had direct involvement with specification and solution development, technical trainings, and aftermarket services. A graduate of the University of California Irvine, Kelsey holds both a BS in Mechanical Engineering and Material Science Engineering.

### Rodney T. Smith, President, Stratecon Inc., Ontario, CA



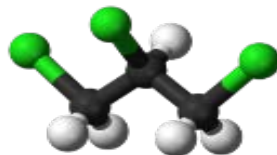
Stratecon is an economics and strategic planning consulting firm specializing in the economics, finance, law, and politics of water resources. He also serves as President of Baja Norte Water Resources LLC, a developer of binational water projects. Rod is involved as an advisor in the acquisition of water rights throughout the western United States and in the sale and leasing of water rights and water supplies to public and private sector water users. Rod has served as a consultant to a major water transfer study by the Western Governors' Association and the Western States Water Council.

Rod received his Ph.D. in Economics from the University of Chicago and a Bachelor of Arts in Economics from the University of California at Los Angeles.

### Kenneth Sansone, Partner, Attorney, SL Environmental Law Group, San Francisco, CA



Ken Sansone, a partner with SL Environmental Law Group PC, exclusively represents water suppliers in contamination cases, including litigation over PFAS and 1,2,3-TCP, in California and elsewhere. He serves as lead trial and appellate counsel to the City of Pomona in its perchlorate contamination case, where he successfully argued to the Ninth Circuit Court of Appeals that manufacturers are responsible for the contamination caused by defects in their products even if they were unaware of those defects at the time of manufacture. Prior to joining SL, Ken served as an Assistant Attorney General for the State of New Hampshire. He has more than 20 years' experience handling complex civil and criminal cases in federal and state trial and appellate courts. He served as a law clerk to Chief Judge Jeffrey R. Howard of the First Circuit Court of Appeals in Boston, and received his law degree from New York University and his undergraduate degree from Duke University.





# California TCP Webinar Thursday, January 14, 2021 Registration Form



**Registration and payment can be made on-line at [www.agwt.org/events](http://www.agwt.org/events)**

General Registration	\$50	<input type="checkbox"/>
Public Water Supplier Registration	\$0	<input type="checkbox"/>
Presentation PDFs	\$30	<input type="checkbox"/>
Continuing Education Units (Check if applying for credit)		<input type="checkbox"/>

**Please complete one registration form per attendee. Webinar login instructions will be emailed on January 13th.**

**Payment Information:**

**CHECK** [payable to: AGWT]     **AMEX/Visa/MC/Discover**     **PO #** \_\_\_\_\_

**AMOUNT AUTHORIZED \$** \_\_\_\_\_

Name on Card \_\_\_\_\_

Card No. \_\_\_\_\_ Expire Date \_\_\_\_\_

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Company Name \_\_\_\_\_

Attendee Name \_\_\_\_\_

Attendee Email\* \_\_\_\_\_

\*In California, the CEU verification process requires that participants are able to receive e-mails during the webinar. For participants requiring CEUs the e-mail address listed above must be an e-mail that can receive messages during the webinar.

Position/ Job Title \_\_\_\_\_

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**REGISTER ONLINE:**  
[agwt.org/events](http://agwt.org/events)

**MAIL TO:**  
American Ground Water Trust  
50 Pleasant Street, Suite 2  
Concord, NH 03301-4073

**FAX:** (603) 228-6557

**TEL:** (603) 228-5444

**? QUESTIONS:**  
Call: (800) 423-7748  
9:00-4:00pm (Eastern Time)  
Email: [trustinfo@agwt.org](mailto:trustinfo@agwt.org)

**AMERICAN GROUND WATER TRUST**

The AGWT was formed in 1986 as a non-profit education organization with the mission of promoting interest and awareness in groundwater issues. The AGWT's conference, workshop and webinar programs and educational materials:



- ◆ Communicate the environmental and economic value of groundwater
- ◆ Showcase groundwater science and technology solutions
- ◆ Increase citizen, community and decision-maker awareness
- ◆ Facilitate stakeholder participation in water resource decisions
- ◆ Promote efficient and effective groundwater management