



**Notification regarding  
1,2,3-Trichloropropane (TCP) Detection  
in Soquel Creek Water District's Country Club Production Well, Aptos  
December 1, 2008**

The Soquel Creek Water District (District) is concerned about public health and meets or exceeds all current drinking water testing requirements and regulations. The District has detected trace amounts, i.e. between 5 and 13 parts per trillion<sup>1</sup> (ppt), of **1,2,3-Trichloropropane (TCP)** in raw water supplied by the **Country Club Well**. The District sampled two locations within the distribution system (water main pipes) that are representative of the water delivered to the neighborhoods surrounding Country Club Well. Because the distribution system contains water from multiple wells, **no TCP was detected** while Country Club Well was running. TCP is currently listed as an "unregulated" volatile organic compound (VOC) with **no established Maximum Contaminant Level (MCL<sup>2</sup>)**.

Country Club Well is one of five production wells serving Seascape, Rio Del Mar, and portions of Aptos. Water from this well is blended with water from other wells within several tanks and the pipelines delivering water to area customers. TCP was not detected in any other District production wells.

**Reference Information:**

- 1. Drinking Water Source:** Country Club Well
- 2. Location of Well:** Baltusrol Drive, Aptos (Rio Del Mar)
- 3. Affected Area:** This notice has been sent to customers who receive water from the affected well which serves the area between Rio Del Mar Blvd. and Seascape Blvd.
- 4. Concentration of TCP detected at Country Club Well:** 5.7 – 13ppt (Average level of 8.2ppt).
- 5. Concentration of TCP detected in Distribution System:** None Detected
- 6. Origin of 1,2,3- Trichloropropane (TCP):** Not confirmed, most likely source is soil fumigant used between 1950-1960 when the area around the well site was agricultural.
- 7. Maximum Contaminant Level<sup>2</sup>:** None
- 8. Response Level<sup>3</sup>:** 500 parts per trillion (ppt). The concentrations of TCP detected in Country Club Well are 38-88 times below the Response Level.
- 9. Notification Level:** 5 ppt. The Notification Level (NL) is a health-based advisory for compounds that lack Maximum Contaminant Levels. The NL for TCP is based on the potential for one (1) excess cancer case in a million adults each drinking 8.4 cups of water per day from the same source for 70 years.
- 10. Operational Status of Country Club Well:** Active. Operates approximately 10 hrs/day, 7 days/week producing approx. 200,000 gallons/day.
- 11. Health Concerns:** Based on studies in laboratory animals, some people who consistently ingest water containing 1,2,3-Trichloropropane in excess of the Notification Level over many years may have an increased risk of developing cancer.

**You are invited to attend a discussion and Q&A forum with a panel of experts about TCP in drinking water on Tuesday, January 13, 2009 at 7pm at the Seascape Golf Club. Please see the back of this notice for more details.**

For further information, you may contact the District by phone at (831) 475-8500, or the California Department of Public Health at (831) 655-6939.

This notice is posted on the District's website at: [http://www.soquelcreekwater.org/Water\\_Quality.htm](http://www.soquelcreekwater.org/Water_Quality.htm) along with links to more information about the potential health effects of TCP in drinking water.

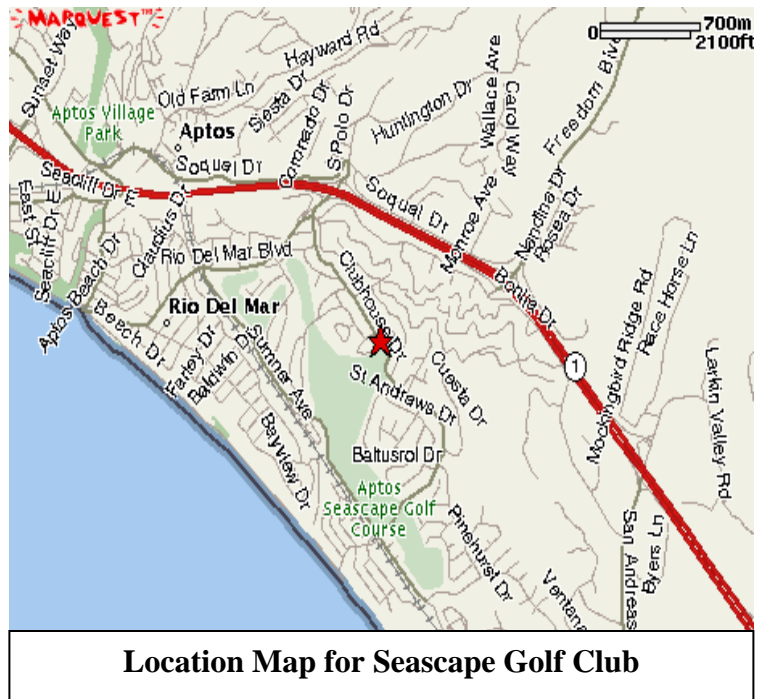
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<sup>1</sup> Part Per Trillion (ppt): Denotes one part in 1,000,000,000,000 parts. This is equivalent to 1 drop of water diluted into twenty, 6.5 ft-deep Olympic-size swimming pools, or one second of time in approximately 31,700 years.

<sup>2</sup> MCL (Maximum Contaminant Level): The highest level of contaminant that is allowed in drinking water. Primary MCLs are set as close to the Public Health Goal (PHG) as is economically and technologically feasible. An MCL for TCP has not been established.

<sup>3</sup> RL (Response Level): California's Response Level for TCP. The RL is the detection level at which the State Department of Public Health recommends a drinking water system take the source out of service.

If you would like to learn more about TCP in drinking water, please attend a special meeting of the Soquel Creek Water District's Board of Directors to be informed by a panel of experts in a discussion and Q&A forum.



**When:** 7-9pm, Tuesday, January 13, 2009

**Where:** Seascap Golf Club  
Monarch Room  
610 Clubhouse Drive  
Aptos, CA 95003  
<http://www.seascapgc.com/index.cfm>

**Who:** Dr. Robert Howd, California Office of Environmental Health Hazard Assessment, Drinking Water Public Health Goal Program Manager

Dr. Bruce Macler, Drinking Water Risk Assessor with US Environmental Protection Agency Region 9

Gary Hoffmann, P.E., Acting District Engineer, California Department of Public Health, Monterey Bay Region Drinking Water Division

The following websites provide additional information regarding 1,2,3 Tri-Chloropropane:

California Department of Public Health:

<http://www.cdph.ca.gov/certlic/drinkingwater/Pages/123TCP.aspx>

World Health Organization:

<http://www.inchem.org/documents/cicads/cicads/cicad56.htm#6.2.3>

State Water Resources Control Board:

[http://www.swrcb.ca.gov/gama/docs/tcp\\_jun2003.pdf](http://www.swrcb.ca.gov/gama/docs/tcp_jun2003.pdf)

United States Environmental Protection Agency:

<http://www.epa.gov/tio/download/contaminantfocus/epa542f07008.pdf>

United States Environmental Protection Agency Integrated Risk Information System:

<http://www.epa.gov/iris/subst/0200.htm>

United States Environmental Protection Agency Toxicological Review:

<http://cfpub.epa.gov/ncea/cfm/recordisplay.cfm?deid=186355>

Office of Environmental Health Hazard Assessment:

<http://oehha.ca.gov/water/phg/pdf/TCPphg091407.pdf>

Agency for Toxic Substances and Disease Registry:

<http://www.atsdr.cdc.gov/tfacts57.html>



P.O. Box 1550  
Capitola, CA 95010

To water customer at: