

Daniel Del Grande
806 Mandana Boulevard
Oakland, California 94610

Public Comment
1,2,3- TCP
Deadline: 4/21/17 by 5pm



February 8, 2017

State Water Resources Control Board
1001 I Street
Sacramento, CA 95812

Subject: 1,2,3TCP

Dear Members of the Board:

1,2,3 TCP is a man-made carcinogen that contaminates over 300 known California drinking water sources, largely in rural communities where faulty pesticides were sold. TCP has been used as an industrial solvent and as a cleaning and degreasing agent; it has been found as an impurity resulting from the production of soil fumigants (DHHS 2011; HSDB 2009). The CDPH has established a notification level of 0.005 $\mu\text{g/L}$ for drinking water based on a 1 in 10-6 lifetime excess cancer risk and has set a final public health goal of 0.0007 $\mu\text{g/L}$ (CDPH 2010, 2013)

Treatment technologies for groundwater that are available for remediation of chlorinated hydrocarbons include pump and treat, permeable reactive barriers, in situ chemical oxidation and bioremediation (reductive dechlorination) (Cal/EPA 2009). I was a project engineer that developed one of the first in situ commercial applications of an iron reactive barrier at a G.E. facility on Hammerwood Avenue in Sunnyvale, CA in February 1985.

I'm writing to ask that you set the TCP drinking water standard at 5 ppt (the detection limit) to protect the public health and allow water systems to recoup water treatment costs from the companies that sold the contaminated pesticides.

Sincerely yours,

A handwritten signature in blue ink, appearing to read "D. Del Grande".

Daniel Del Grande
Cell 510-812-5996