From: cochrane@surewest.net
To: commentletters
Subject: "Comment Letter: 2025 Safe Drinking Water Plan"
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"Comment Letter: 2025 Safe Drinking Water Plan"

Email: commentletters@waterboards.ca.gov

The 2025 Plan reviews 1) drinking water regulations, 2) quality of drinking water, and 3) water quality issues affecting water systems. All three of the above would be improved if the specific source of groundwater contamination of the aquifer supplying groundwater to the screened interval of a public supply well could be identified. (Regulation is needed) If a contaminate is present in a supply well every effort should be made to identify the source and mitigate the pollution. Solving the issue immediately would reduce the cost of installing new supply wells and reduce the cost of any water treatment measures.

Page 89 of the 2025 Plan tells that: "Industrial Releases: Groundwater contamination by industrial and agricultural activities is well known." I believe that it is understood that industrial process could degrade water quality, but the mechanism and magnitude may not be sufficiently understood. Strengthening regulation to better understand the process of a release from a facility would improve water quality. The flowing is an example of an anticline controlling a potential groundwater plume being release from a landfill and any potential groundwater plume may be undetected. The anticline dictates groundwater to migrate into deeper aquifer zones where public supply wells are screened.

Altamont Landfill:

Altamont Landfill is located on the crest of the Altamont Anticline. The link below to the U.S. Geological Survey report prepared in cooperation with the Water Replenishment District of Southern California was prepared to gain insight into the geologic and hydrologic controls on contaminant migration near the Santa Fe Springs Anticline and to assess the potential for shallow groundwater contamination to migrate into producing aquifer zones. The process described in the report could also be applied to the Altamont Landfill. There may be potential for any shallow groundwater contamination found at the crest of the Altamont Anticline to migrate into deeper aquifer zones and it may be appropriate to monitor the deeper aquifer zones at the perimeter of the landfill for a release of contamination. The geologic units exposed at the crest of the anticline may be older geologic units as compared to the limbs of the anticline and as the distance from the hing line increases the geologic units that were at the crest are now deeper below ground surface necessitating any monitoring well at the perimeter to be deep enough to intercept the aquifer zone that are present at the crest of the anticline.

Characterization of Potential Transport Pathways and

Implications for Groundwater Management Near an

Anticline in the Central Basin Area, Los Angeles County,

California

https://pubs.usgs.gov/of/2014/1087/pdf/ofr2014-1087.pdf

Necessary future action:

- **Strengthening regulation to better understand the process of a release from a facility**

- **Regulation is needed to identify specific source of groundwater contamination of the aquifer supplying groundwater to the screened interval of a public supply well.**

Sincerely,

Chris Cochrane