



Detention Tub String (/initiative/4XwW/detention-tub-string)

No water rights acquisition is necessary to do a wastewater recycling project. However, California Department of Public Health CDPH requires that tertiary-treated wastewater not be treated as potable at least until it has been subjected to a two-month detention in an aquifer. A Detention Tub String simulates such detention by creating a completely sealed aquifer-type environment. For example, detainment cavities could be constructed under a plot of land, perhaps agricultural land, parkland, parking lot, sports field, etc. For 2-month detentions it would be cycled 6 times per year.

Comments

Jan Karwin 2w ago

This proposal is worthy of further research and evaluation by the panel of experts.

Catherine Borrowman 1w, 6d ago

SUGGESTION

I think using tertiary treatment in this concept is incorrect because advanced treatment would be required for 2 months detention underground prior to further treatment and connection to a potable water system.

Pam Downing 3d, 19h ago

PRO

May be somewhat expensive, but worth pursuing.

darren huckle 3d, 11h ago

I would be worried about biological and pharmaceutical contaminants in the water for re-use.