We must take care with effluent

By JOHN ZAMBRANO Special to the Courier

In the Southwest, mon where users are depleting groundwater supmunicipalities should ply.

contaminants that our wastewater comes in. conventional treatment completely.

on the same standards ers, or EDCs. imposed on the water delivered to our homes. is that while we know many hundreds more.

national Safe Drinking son." Water programs is that

be relatively clean and we use in our society to do and, although relamon contaminants clusive toxicological Should we stop that may have entered data, we will not have recharging effluent? I the system. That prem- the needed information don't believe we should plies, it is a given that ise has applied to our for many decades. The because it would further aquifer in the past, but risk we face, therefore, is exacerbate our depleting recharge treated waste- as we recharge increas- unknown and will be for water supply. water to the aquifer to ing amounts of treated some time. augment the water sup- wastewater, which contain hundreds of residu- do? If we wait for the treatment processes? Butisitreallysafe to do al contaminants, it may toxicological data and This could be expensive, so? The assumption that no longer apply. While the subsequent state particularly in these it is safe needs exami- some dilution effect will standards, our aquifer tough economic times. nation in view of what occur, mixing is mini- could be irreversibly Furthermore, although we are learning about mal in an aquifer and it contaminated at unsafe we could reduce the the presence of micro- is less of a factor as more levels, and we may be concentrations of these

processes don't remove chemicals that are not sive actions for our wouldn't know if it was completely removed are municipalities to take is safe enough. When asked, our present in very small to institute an education of these chemicals are care products. States, including Ari- those that disrupt our

The dilemma we face ciently as possible. The premise of our dose that makes the poi-sible to reduce them.

that you are guard- and the very long time tively expensive, it would ing against a few comit takes to gather conbe prudent.

harming our health. The contaminants and make The hundreds of easiest and least expen- the effluent safer, we still

zona, impose require-ments on discharges imitating our natural entirely. We also should to aquifers that, for the hormones, hence the make sure that our conmost part, are based term endocrine disrupt- ventional treatment processes operate as effi- we can to protect it, and

It would be valuable may not be enough. This seems sufficiently that many of these chem- for the municipalities to protective until you realicals can be harmful, we monitor the most prevaize that we have drinking don't have the toxicologient of these chemicals water standards for only ical information to know to get an idea of their

This a water source should how many chemicals current rules require us New York.

Should we install So, what should we advanced wastewater

It does, however, regional municipal offi- quantities, but some of program about what seem prudent to begin cials will tell you that these chemicals, indi- products we should not to investigate advanced the treated wastewater vidually and additively, send down the drain treatment and consider meets all requirements potentially can cause and provide convenient additions as the econoimposed by the state. adverse health effects programs for collection my improves. Eventual-That statement is usu- on humans, even at of many of these chemi- ly, state regulations may ally true, but does that very low concentrations. cals, particularly phar-require advanced treatmean our water supply The most troublesome maceutical and personal ment for our wastewater and, if we wait too long, This will help, but for our drinking water as well.

Our aquifer is vital to our health. We should be trying to do the most what we are doing now

John Zambrano is the president of the Citizens Water Advocacy Group. about 90 contaminants, what concentrations are concentrations and the He is a retired environand wastewater contains safe. And the first law risk they might pose and mental engineer and had of toxicology is "It is the begin to see if it's pos- responsibility for establishing groundwater and monitoring surface water quality When you consider would be above what standards for the State of