

## Rialto Perchlorate Cleanup Comment

Clay A. Rosson to Wayne Praskins

02/10/2010 05:04 AM

Dear Respected Mr. Wayne Praskins,

I am aware of the plume locations in the basin. As you may be aware by now, there are two plumes. The longer one is coming from the 160-acre site, while the shorter one is flowing from the bunker complex beneath the sedimentation ponds of the concrete operation. We know exactly when those sedimentation ponds were created in 2001. Therefore, we know exactly how long it took to create the shorter plume further to the west. It is effectively a transport experiment that was permitted by San Bernardino County and the City of Rialto. If you take the distance and divide it by time traveled, you will have the effective transport of the shorter plume. You can do this on the back of an envelope.

Now for the best part. With the effective transport number, you can determine roughly how long it will take for perchlorate to reach the Santa Ana River. You can also determine when the contamination hit groundwater at the 160-acre site in the 1980's.

I am somewhat disappointed that your agency seems to be ignoring the impending pollution of the Santa Ana River with perchlorate which I have determined will happen within 3-5 years from the logic I have just outlined for you.

Another important point that needs to be addressed is that the Cactus Basin, operated continuously as a stormwater basin by San Bernardino County Flood Control District, has contributed to the spreading of perchlorate contamination. It is easy to see from any of the figures supplied by the Rialto: Roadmap to Remedy, although the agencies left Cactus Basin off the map. See how the concentrations of perchlorate radically drop when they reach Cactus Basin due to the dilution from stormwater flows.

If you let Santa Ana River be contaminated, all the water treatment facilities will have to be upgraded that have water rights to Santa Ana River water. You should weigh the cost of upgrading the water treatment plants against pumping and treating the plume before it reaches the river.

Call me anytime if you have any questions.

Kind Regards,

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Clay Rosson  
Environmental Engineer/ Sustainability Consultant



