



California
Department of
Health Services

SANDRA SHEWRY
Director

State of California—Health and Human Services Agency
Department of Health Services



ARNOLD SCHWARZENEGGER
Governor

February 21, 2007

Mr. Bill Wilson
Bill Wilson Environmental Planning, LLC
71 Del Casa Drive
Mill Valley, CA 94941

Dear Mr. Wilson:

I am in receipt of your letter dated February 14, 2007 requesting clarification of the Department's position concerning the use of the VerTreat RAS secondary treatment process for Title 22 recycled water applications and offer the following comments.

For recycled water applications requiring a filtered and disinfected wastewater, Title 22 requires that the wastewater be oxidized prior to filtration pursuant to Section 60301.320. Furthermore, Title 22 defines oxidized wastewater as a "wastewater in which the organic matter has been stabilized, is nonputrescible, and contains dissolved oxygen (Section 60301.650). Any type of primary and secondary treatment process that renders a wastewater which meets the definition of "oxidized wastewater" is considered acceptable. This Department would typically confirm verification of this during our review of a proposed project's overall treatment scheme. It should be noted however, that the above discussion is specific to Title 22 compliance issues. One would need to verify with the permitting authority (in this case the Regional Water Quality Control Board) if there may be any other secondary effluent quality parameters that may need to be addressed.

Assuming the VerTreat system produces a wastewater meeting the definition of an oxidized wastewater, and it is followed by a filtration process either addressed directly in Title 22 (Section 60301.320) or in our Treatment Technology Report for Recycled Water (most recent version dated January 2007), the treatment train would meet the filtration requirements outlined in Title 22. In your letter, you specifically list the Astrasand Continuous Wash Filter as the proposed filtration step. This filter is listed as an acceptable filtration technology in our technology listing.

I hope this adequately addresses your questions. If you have any questions, please call this office at (805) 566-9767.

Sincerely,

Original signed by;

Jeffrey L. Stone, Chief
Recycled Water Unit
Division of Drinking Water
and Environmental Management

cc: City of Santa Paula – Cliff Finley