



CWEA San Francisco Bay Section and Santa Clara Valley Section Lab Committee Sponsors

**Wastewater Microbiology/Biology
Speaker—Victor Santa Cruz
Biologist
Inland Empire Utilities Agency**

The class will demonstrate the essential functions of the light microscope; identification of protozoa, bacteria, and non-living items found in wastewater; and methods for ensuring optimal functioning of a wastewater system based upon microscopic findings. Basic interdisciplinary aspects of wastewater: How chemistry, biology, ecology, physics, engineering and common sense bring a different perspective to what goes on in a wastewater treatment plant. Objectives of the class will be:

1. Demonstrate the basic principles, components, care, and cleaning of the microscope.
2. Identify common freshwater/wastewater alga
3. Identify unknown filamentous bacteria utilizing morphology and genetics
4. Recommend control methods for filamentous bacteria. Perform objective and subjective analysis of wastewater
5. Identify species of protozoa/metazoan
6. Understand the basic principles of anaerobiosis, nitrification, denitrification.

6.5 Contact Hours Per Day

Free Wastewater Organisms Database DVD for all paying attendees!

Remember that a reservation is a financial commitment.

Make checks payable to CWEA SCVS.

Dates: July 29 and 30, 2009

Time:

Registration: 8:00 AM to 8:30 AM

Class: 8:30 AM to 4:30 PM

Where: Wedgewood Banquet Center at the San Ramon Golf Club 9430 Fircrest Lane, San Ramon CA (925) 828-6258

Cost: Member—\$150.00/person for both days

Non-member—\$172.00/person for both days

RSVP—Cassie Prudhel by July 22, 2009

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