



Due Diligence:

Regulatory Purposes for Investigating Emerging Constituents

- 1) **To determine if drinking water sources are under the influence of wastewater**
(pursuant to CDPH recommendations)

- 2) **To characterize the prevalence of EC's in the watershed**
 - A) To establish baseline conditions and assess trends
 - B) To inform development of EPA's Candidate Contaminant List (CCL)
 - C) To identify toxicological and epidemiological research needs

- 3) **To evaluate fate and transport of EC's**
 - A) For implementing source control and pollution prevention programs
 - B) For guiding future remediation efforts (if necessary)

- 4) **To evaluate treatment effectiveness**
 - A) May serve as surrogates for more difficult to measure pathogens (e.g. viruses)
 - B) May guide process selection in plant design/redesign

- 5) **To address public concerns and protect public confidence – proactively**

- 6) **To assist other valid government research needs**
 - A) Drug use/abuse studies (quasi-epidemiological studies)
 - B) Chemical or biological weapons surveillance
 - C) Effectiveness of pesticide labeling regulations