

California Bay-Delta Authority Drinking Water Quality Program

Preliminary Concepts for Performance Measures

In a working session on October 22, 2003, participants of the Drinking Water Subcommittee began developing Drinking Water Program performance measures. Meeting attendees identified six preliminary types of performance measures (Table 1) and focused discussion on one type, water quality. Participants then identified water quality constituents of concern for surface, raw, treated, and delivered water (Table 2). The group prioritized three performance measures for immediate development given the limited time and resources and considering resource constraints, value to decision-makers, and data availability:

- Delta Salinity
- Disinfection Byproduct Precursors in the System
- Pathogens in the Delta

The group is preparing a work plan for developing performance measures, which will be coordinated with the Strategic Plan.

Water Quality	Surface (including discharge water quality), Raw, Treated, & Delivered
Affordability/Cost	Affordable Drinking Water, Cost-effectiveness of Pollutant Removal
Reliability	Reliable Water Quality
Flexibility/Adaptability	Flexible/Adaptable (multiple options to meet goals), Continuous Improvement, Sustainability
Public Risks/Perceptions	Public Health Risk, Consumer Expectations/Perceptions
Other	Conflicts with Other Beneficial Uses, Implementation of Projects and Programs (BMPs), State of Knowledge Regarding Options

	Delta	Source Water (surface water upstream of the Delta)	Raw Water (into treatment plant, includes other local supplies)	Treated Water	Delivered Water
Constituents of Concern	Organic Carbon Bromide Pathogens Salinity Nutrients Suspended Solids Endocrine Disrupters PPCPs** Not of Concern in the Delta: Pesticides Mercury Selenium Arsenic Perchlorate	Same constituents as Delta list, plus: Pesticides	Organic Carbon Bromide Pathogens Salinity Algae DBPs* Suspended Solids Endocrine Disrupters PPCPs** Local issues: Pesticides Arsenic Perchlorate Temperature pH	Regulated contaminants (violations) Taste and odor Chlorine Pathogens Endocrine Disrupters PPCPs** Turbidity	Same constituents as Treated Water list, plus: DBPs* Lead Copper
* Disinfection Byproducts					
** Pharmaceutical and Personal Care Products					