

Environmental Target Levels for CALFED Urban Water Quality Parameters of Concern

Parameter of Concern	Geographic Location	Water Quality Target Levels	Comments
TOC	Delta; Water Supply Intakes	3.0 mg/L -- Quarterly average	Target level based on the CUWA Expert Panel report recommendations (Bay-Delta Drinking Water Quality Criteria, December, 1996). Expert Panel assumed future drinking water regulatory scenario for DBP control and inactivation of <i>Giardia</i> and <i>Cryptosporidium</i> based on the proposed Stage 2 D/DBP Rule and proposed ESWTR. The proposed D/DBP Rule requires increased levels of TOC removal as TOC concentrations in source waters increase. The recommended TOC target level is constrained by the formation of total trihalomethanes when using enhanced coagulation for TOC removal and free chlorine to inactivate <i>Giardia</i> .
Turbidity	Delta; Water Supply Intakes	50 NTU -- monthly median	Reduced variability in turbidity is needed to improve treatment plant performance. When source water turbidity increases, water is more difficult and costly to treat. Also, increased turbidity reduces protection from pathogens because turbidity interferes with disinfection. Note: The turbidity level of 0.5 NTU is a treatment technology requirement for treated drinking water supplies, and use of this value is not necessary for raw water supplies.