Water Quality Targets for Un-ionized Ammonia for Review by the Parameter Assessment Team on February 25, 1998[1]

Parameter	Sacramento River	San Joaquin River	Delta
Un-ionized Ammonia	U.S. EPA Ambient Water Quality Criteria for Ammonia - 1984.[a] **0.046 - 0.26 mg/l** (1 hour average)[b,d] **0.0042 - 0.035 mg/l** (4 day average)[b,d] **0.046 - 0.37 mg/l** (1 hour average)[b,e] **0.0042 - 0.035 mg/l** (4 day average)[b,e]	U.S. EPA Ambient Water Quality Criteria for Ammonia - 1984.[a] **0.046 - 0.26 mg/l** (1 hour average)[b,d] **0.0042 - 0.035 mg/l** (4 day average)[b,d] **0.046 - 0.37 mg/l** (1 hour average)[b,e] **0.0042 - 0.035 mg/l** (4 day average)[b,e]	U.S. EPA Ambient Water Quality Criteria.[a] **0.046 - 0.26 mg/l** (1 hour average)[b,d] **0.0042 - 0.035 mg/l** (4 day average)[b,d] **0.046 - 0.37 mg/l** (1 hour average)[b,e] **0.0042 - 0.035 mg/l** (4 day average)[b,e] San Francisco Bay Basin Water Quality Control Plan.[c] **0.025** μ**g/l** (annual median) **0.16** μ**g/l** (maximum)[f]

[a]U.S. Environmental Protection Agency, *Ambient Water Quality Criteria for Ammonia* - 1984, EPA 440/5-85-001, January 1985, attached hereto.
[b]Values are a function of pH (ranging from 7.00 to 8.50) and temperature (ranging from 10°C to 30°C).
[c]San Francisco Bay Regional Water Quality Control Board. (June 1995). Water Quality Control Plan San Francisco Bay Basin (Region 2).
[d]Salmonids or other sensitive coldwater species present.
[e]Salmonids and other sensitive coldwater species absent.
[f]As depicted in Figure 2-5 and upstream in the San Francisco Bay Regional Water Quality Control Board. (June 1995). Water Quality Control Plan San Francisco Bay Basin (Region 2), and attached hereto.

[1] Reviewed by Chris Foe, Central Valley Regional Water Quality Control Board, February 23, 1998.