

Potential Changes to 307.6

Aquatic Life (Table 1)

- ✓ Revise criteria for arsenic, chromium (trivalent), freshwater copper, dieldrin, endrin, nickel, and zinc based on revisions to EPA's *1995 Updates: Water Quality Criteria Documents for the Protection of Aquatic Life in Ambient Water* (EPA-820-B-96-001) per EPA request.
- ✓ Revise cadmium criteria based on new 2001 304(a)
- ✓ Revise saltwater criteria for tributyltin based on new 2003 304(a)
- ✓ Add freshwater and saltwater criteria for nonylphenol based on new 2005 304(a)
- ✓ Add diazinon aquatic life criteria based on new 2005 304(a)
- ✓ Change the freshwater copper equations to reflect the ability to determine a multiplier by either a water-effect ratio study or a biotic ligand model result.
- ✓ Draft 304(a) documents have been released for selenium, atrazine, saltwater copper; however, EPA does not anticipate finalizing these in time for this revision of the TSWQS

Human Health (Table 3)

- ✓ Change the fish consumption rate to 17.5 g/day for both saltwater and freshwater. This will result in only one "fish only" criterion in Table 3.
- ✓ Change the methylmercury water column human health criterion to a tissue-based criterion
- ✓ Lower the arsenic criterion for water and fish consumption to reflect the new MCL of 10ug/L
- ✓ Consider including dioxin-like PCBs as part of the calculation for toxic equivalency factors for dioxins and dioxin-like compounds
- ✓ Update cancer potency factors, reference doses, and BCFs used in criteria calculations
- ✓ Remove lipid correction factors
- ✓ Consider addition of childhood exposure criteria for non-carcinogens
- ✓ Consider adopting criteria for antimony, anthracene, bis(2-chloroethyl)ether, di(2-ethylhexyl)phthalate, *m*-dichlorobenzene, *o*-dichlorobenzene, 3,3'-dichlorobenzidine, dichloromethane, 1,2-dichloropropane, dimethyl Phthalate, 2,4-dimethylphenol, di-*n*-butyl phthalate, ethylbenzene, hexachlorocyclopentadiene, manganese, nickel, phenol, 1,1,2,2-tetrachloroethane, thallium, toluene, 1,1,2-trichloroethane, and zinc per EPA request
- ✓ Atrazine, alachlor, arsenic, and chloroform criteria are currently being developed/reviewed by EPA; however, these criteria are not expected to be finalized in time for this revision of the TSWQS

Other Revisions

- ✓ Apply incidental fisheries criteria to water bodies designated with a "no significant" aquatic life use
- ✓ Consider other possible methods to calculate criteria for substances not listed in Table 1 or 3
- ✓ Remove the diazinon abatement language and add aquatic life criteria for diazinon to Table 1.