

# REGIONAL WATER QUALITY CONTROL PLANT

2501 Embarcadero Way - Palo Alto, CA 94303

Telephone: 650/329-2598

## Discharge Limits and Detection Levels to be used for analysis

Pollutant	Maximum Concentration Allowable <sup>1</sup>	Detection Level (no greater than)
Arsenic = As	0.1 mg/liter	0.01 mg/l
Barium = Ba	5.0 mg/liter	0.5 mg/l
Beryllium = Be	0.75 mg/liter	0.075 mg/l
Boron = B	1.0 mg/liter	0.1 mg/l
Cadmium = Cd	0.1 mg/liter	0.01 mg/l
Chromium, (Hexavalent)	1.0 mg/liter	0.1 mg/l
Chromium, (total) = Cr	2.0 mg/liter	0.2 mg/l
Cobalt = Co	1.0 mg/liter	0.1 mg/l
Copper <sup>2</sup> = Cu	0.25 mg/liter	0.025 mg/l
Copper <sup>2</sup> = Cu	2.0 mg/liter	0.2 mg/l
Cyanide = CN	1.0 mg/liter	0.1 mg/l
Fluoride = F <sup>-</sup>	65 mg/liter	6.5 mg/l
Formaldehyde = Frm	5.0 mg/liter	0.5 mg/l
Lead = Pb	0.5 mg/liter	0.05 mg/l
Manganese = Mn	1.0 mg/liter	0.1 mg/l
Mercury = Hg	0.01 mg/liter	0.001 mg/l
Nickel = Ni	0.5 mg/liter	0.05 mg/l
Phenols = Phe	1.0 mg/liter	0.1 mg/l
Selenium = Se	1.0 mg/liter	0.1 mg/l
Silver = Ag	0.25 mg/liter	0.025 mg/l
Single Toxic Organic = STO	0.75 mg/liter	0.075 mg/l
Total Toxic Organics = TTO	1.0 mg/liter	0.1 mg/l
Zinc = Zn	2.0 mg/liter	0.2 mg/l
Conventional Pollutants	Maximum Concentration Allowable <sup>1</sup>	Detection Level (no greater than)
Oil/Grease	200 mg/liter	20 mg/liter
pH <sup>3</sup>	Min 5.0, Max 11.0	N/A
Suspended Solids	3000 mg/liter	300 mg/liter
Total Dissolved Solids	5000 mg/liter	500 mg/liter

- For discharges greater than 50,000 gallons per day (gpd), the maximum concentration will be one-half the value listed in the table with the exception of the conventional pollutants, STO, TTO, copper, fluoride, nickel, mercury and silver. For example, if the discharge is greater than 50,000 gpd the revised limit for lead is 0.25 mg/l and the detection level must be less than or equal to 0.025 mg/l.
- The copper limit for process discharge is 0.25 mg/L for discharges both above and below 50,000 gpd. The copper discharge limit for cooling system discharges exceeding 2000 gpd is 0.25 mg/L. The copper discharge limit is 2.0 mg/L for cooling system discharges below 2,000 gpd, Vehicle Service, Photoprocessing, Machine Shops and Metal Fabrication. See Section 16.09.116 of the Sewer Use Ordinance for details and for metal finisher requirements.
- Where the pH is monitored continuously, no individual deviation from the above range shall exceed twenty minutes in length for discharges less than ten thousand gpd or ten minutes in length for discharges greater than ten thousand gpd. The total time of deviations during any seven calendar day period shall not exceed a total of sixty minutes. Any pH reading less than or equal to 2.0 or greater than or equal to 12.5 is prohibited.

# TOTAL TOXIC ORGANICS

(40 CFR, Section 413.02(I))

Acenaphthene  
Acrolein  
Acrylonitrile  
Benzene  
Benzidine  
Carbon tetrachloride (tetrachloromethane)  
Chlorobenzene  
1,2,4-trichlorobenzene  
Hexachlorobenzene  
1,2-dichloroethane  
1,1,1-trichloroethane  
Hexachloroethane  
1,1-dichloroethane  
1,1,2-trichloroethane  
1,1,2,2-tetrachloroethane  
Chloroethane  
Bis (2-chloroethyl) ether  
2-chloroethyl vinyl ether (mixed)  
2-chloronaphthalene  
2,4,6-trichlorophenol  
Parachlorometa cresol  
Chloroform (trichloromethane)  
2-chlorophenol  
1,2-dichlorobenzene  
1,3-dichlorobenzene  
1,4-dichlorobenzene  
3,3-dichlorobenzidine  
1,1-dichloroethylene  
1,2-trans-dichloroethylene  
2,4-dichlorophenol  
1,2-dichloropropane  
1,3-dichloropropylene (1,3-dichloropropene)  
2,4-dimethylphenol  
2,4-dinitrotoluene  
2,6-dinitrotoluene  
1,2-diphenylhydrazine  
Ethylbenzene  
Fluoranthene  
4-chlorophenyl phenyl ether  
4-bromophenyl phenyl ether  
Bis (2-chloroisopropyl) ether  
Bis (2-chloroethoxy) methane  
Methylene chloride (dichloromethane)  
Methyl chloride (chloromethane)  
Methyl bromide (bromomethane)  
Bromoform (tribromomethane)  
Dichlorobromomethane  
Chlorodibromomethane  
Hexachlorobutadiene  
Hexachlorocyclopentadiene  
Isophorone  
Naphthalene  
Nitrobenzene  
2-nitrophenol  
4-nitrophenol  
2,4-dinitrophenol  
4,6-dinitro-o-cresol  
N-nitrosodimethylamine  
N-nitrosodiphenylamine  
N-nitrosodi-n-propylamine  
Pentachlorophenol  
Phenol  
Bis (2-ethylhexyl) phthalate  
Butyl benzyl phthalate  
Di-n-butyl phthalate  
Di-n-octyl phthalate  
Diethyl phthalate  
Dimethyl phthalate  
1,2-benzanthracene (benzo(a)anthracene)  
Benzo(a)pyrene (3,4-benzopyrene)  
3,4-Benzofluoranthene (benzo(b)fluoranthene)  
11,12-benzofluoranthene (benzo(k)fluoranthene)  
Chrysene  
Acenaphthylene  
Anthracene  
1,12-benzoperylene (benzo(ghi)perylene)  
Fluorene  
Phenanthrene  
1,2,5,6-dibenzanthracene (dibenzo(a,h)anthracene)  
Indeno (1,2,3-cd) pyrene (2,3-o-phenylene pyrene)  
Pyrene  
Tetrachloroethylene  
Toluene  
Trichloroethylene  
Vinyl chloride (chloroethylene)  
Aldrin  
Dieldrin  
Chlordane (technical mixture and metabolites)  
4,4-DDT  
4,4-DDE (p,p-DDX)  
4,4-DDD (p,p-TDE)  
Alpha-endosulfan  
Beta-endosulfan  
Endosulfan sulfate  
Endrin  
Endrin aldehyde  
Heptachlor  
Heptachlor epoxide  
(BHC-hexachlorocyclohexane)  
Alpha-BHC  
Beta-BHC  
Gamma-BHC  
Delta-BHC  
(PCB-polychlorinated biphenyls)  
PCB-1242 (Arochlor 1242)  
PCB-1254 (Arochlor 1254)  
PCB-1221 (Arochlor 1221)  
PCB-1232 (Arochlor 1232)  
PCB-1248 (Arochlor 1248)  
PCB-1260 (Arochlor 1260)  
PCB-1016 (Arochlor 1016)  
Toxaphene  
2,3,7,8-tetrachlorodibenzo-p-dioxin  
(TCDD)