

ATTACHMENT E – SCREENING LEVELS FOR GENERAL PERMITS

SCREENING LEVELS FOR GENERAL PERMITS

(Screening to be conducted on untreated groundwater sample prior to issuance of permit)

POLLUTANT	MUN ^(a)	Others ^(b)	Minimum Levels
	(µg/L)	(µg/L)	(µg/L)
METALS¹			
Antimony (Sb)	6	14	5
Arsenic (As)	10	36	10
Beryllium (Be)	4	NA	0.5
Cadmium (Cd)	2.3	2.2 (9.3) ²	0.5
Chromium III (Cr ³⁺)	50	180	10
Chromium VI (Cr ⁶⁺)	11	11	5
Copper (Cu)	9.0	9.0 (3.1) ²	0.5
Cyanide (CN)	5.2	5.2 (NA) ²	5
Lead (Pb)	2.5	25 (8.1) ²	0.5
Mercury (Hg)	0.050	0.051	0.2
Nickel (Ni)	52	52 (8.2) ²	1
Selenium (Se)	5	5 (71) ²	2
Silver (Ag)	3.4	3.4 (1.9) ²	0.25
Thallium (Tl)	1.7	6.3	1
Zinc (Zn)	120	120 (81) ²	1
VOLATILE ORGANICS			
1,1 Dichloroethane	5	5	0.5
1,1 Dichloroethene	0.057	3.2	0.5
1,1,1 Trichloroethane	200	200	2
1,1,2 Trichloroethane	0.60	42	0.5
1,1,2,2 Tetrachloroethane	0.17	1	0.5
1,2 Dichlorobenzene	600	600	0.5
1,2 Dichloroethane	0.38	99	0.5
1,2 Dichloropropane	0.52	39	0.5
1,2-Trans Dichloroethylene	10	10	1
1,3 Dichlorobenzene	400	2600	2
1,3 Dichloropropylene	0.5	0.5	0.5
1,4 Dichlorobenzene	5	0.5	0.5
2-Chloroethyl vinyl ether	na	na	1
Acetone	700	700	na
Acrolein	100	100	5
Acrylonitrile	0.059	0.66	2.0
Benzene	1.0	1	0.5

POLLUTANT	MUN ^(a)	Others ^(b)	Minimum Levels
	(µg/L)	(µg/L)	(µg/L)
Bromoform	4.3	360	0.5
Carbon Tetrachloride	0.25	0.5	0.5
Chlorobenzene	30	21000	2
Chlorodibromo-methane	0.401	34	0.5
Chloroethane	100	100	2
Chloroform	100	100	2
Dichlorobromo-methane	0.56	46	0.5
Ethylbenzene	700	700	2
Ethylene Dibromide	0.05	0.05	na
Methyl Bromide	10	4000	2.0
Methyl Chloride	3	3	0.5
Methyl ethyl ketone	700	700	na
Methyl tertiary butyl ether (MTBE)	5	5	na
Methylene Chloride	4.7	1600	0.5
Tetrachloroethylene	0.8	8.85	0.5
Toluene	150	150	2
Trichloroethylene	2.7	5	0.5
Vinyl Chloride	0.5	0.5	0.5
Xylenes	1750	1750	na
SEMI-VOLATILE ORGANICS			
1,2 Diphenylhydrazine	0.040	0.54	1
1,2,4 Trichlorobenzene	70	na	5
2 Chlorophenol	120	400	5
2,4 Dichlorophenol	93	790	5
2,4 Dimethylphenol	540	2300	2
2,4 Dinitrophenol	70	14000	5
2,4 Dinitrotoluene	0.11	9.1	5
2,4,6 Trichlorophenol	2.1	6.5	10
2,6 Dinitrotoluene	na	na	5
2-Nitrophenol	na	na	10
2-Chloronaphthalene	1700	4300	10
3,3' Dichlorobenzidine	0.04	0.077	5
3-Methyl-4-Chlorophenol	na	na	1
2-Methyl-4,6-Dinitrophenol	13	765	5
4-Nitrophenol	na	na	5
4-Bromophenyl phenyl ether	na	na	5
4-Chlorophenyl phenyl ether	na	na	5
Acenaphthene	1200	2700	1
Acenaphthylene	na	na	10
Anthracene	9600	110000	5
Benzidine	0.00012	0.00054	5

POLLUTANT	MUN ^(a)	Others ^(b)	Minimum Levels
	(µg/L)	(µg/L)	(µg/L)
Benzo (a) Anthracene	0.0044	0.049	5
Benzo (a) Pyrene	0.0044	0.049	2
Benzo (b) Fluoranthene	0.0044	0.049	10
Benzo (g,h,i) Perylene	na	na	5
Benzo (k) Fluoranthene	0.0044	0.049	2
Bis (2-Chloroethoxyl) methane	na	na	5
Bis(2-Chloroethyl) ether	0.031	1.4	1
Bis(2-Chloroisopropyl) ether	1400	170000	10
Bis(2-Ethylhexyl) phthalate	1.8	5.9	5
Butyl benzyl phthalate	3000	5200	10
Chrysene	0.0044	0.049	5
Dibenzo(a,h)-anthracene	0.0044	0.049	0.1
Diethyl phthalate	23000	120000	10
Dimethyl phthalate	313000	2900000	10
di-n-Butyl phthalate	2700	12000	10
di-n-Octyl phthalate	na	na	10
Fluoranthene	300	370	10
Fluorene	1300	14000	10
Hexachlorobenzene	0.00075	0.00077	1
Hexachlorobutadiene	0.44	50	1
Hexachloro-cyclopentadiene	50	17000	5
Hexachloroethane	1.9	8.9	1
Indeno(1,2,3,cd)-pyrene	0.0044	0.049	0.05
Isophorone	8.4	600	1
N-Nitrosodimethyl amine (NDMA)	0.00069	8.1	5
N-Nitroso-di-n-propyl amine	0.005	1.4	5
N-Nitrosodiphenyl amine	5.0	16	1
Naphthalene	21	na	10
Nitrobenzene	17	1900	10
Pentachlorophenol	0.28	7.9	1
Phenanthrene	na	na	5
Phenol	21000	4600000	50
Pyrene	960	11000	10
PESTICIDES AND PCBs			
4,4'-DDD	0.00083	0.00084	0.05
4,4'-DDE	0.00059	0.00059	0.05
4,4'-DDT	0.00059	0.00059	0.01
Alpha-Endosulfan	0.056	0.0087	0.02
Alpha-BHC	0.0039	0.013	0.01
Aldrin	0.00013	0.00014	0.005
Beta-Endosulfan	0.056	0.0087	0.01

POLLUTANT	MUN ^(a)	Others ^(b)	Minimum Levels
	(µg/L)	(µg/L)	(µg/L)
beta-BHC	0.014	0.046	0.005
Chlordane	0.00057	0.00059	0.1
delta-BHC	na	na	0.005
Dieldrin	0.00014	0.00014	0.01
Endosulfan Sulfate	110	240	0.05
Endrin	0.036	0.0023	0.01
Endrin Aldehyde	0.76	0.81	0.01
Heptachlor	0.00021	0.00021	0.01
Heptachlor Epoxide	0.0001	0.00011	0.01
gamma-BHC	0.019	0.063	0.02
PCB 1016	0.00017	0.00017	0.5
PCB 1221	0.00017	0.00017	0.5
PCB 1232	0.00017	0.00017	0.5
PCB 1242	0.00017	0.00017	0.5
PCB 1248	0.00017	0.00017	0.5
PCB 1254	0.00017	0.00017	0.5
PCB 1260	0.00017	0.00017	0.5
Toxaphene	0.00073	0.00075	0.5
MISCELLANEOUS			
Asbestos (in fibers/L k,s.)	7000000	7000000	na
Di-isopropyl ether (DIPE)	0.8	0.8	2
1,4-Dioxane	3	3	na
Ethanol	1000	1000	1000
Ethyl tertiary butyl ether (ETBE)	2	2	2
Methanol	1000	1000	1000
Methyl tertiary butyl ether (MTBE)	5	5	na
Perchlorate	6	6	na
2,3,7,8-TCDD (Dioxin)	1.3E-08	1.3E-08	0.00001
Tertiary amyl methyl ether (TAME)	2	2	2
Tertiary butyl alcohol (TBA)	12	12	10
Total petroleum hydrocarbons	100	100	na

(a) = Applies to water with Municipal and Domestic Supply (MUN) (indicated with E and I in the Basin Plan) beneficial uses designations.

(b) = Applies to all other receiving waters.

1 = Metals concentrations are expressed as total recoverable.

2 = Applicable to Saltwater only.

REVISED: 03/12/2018