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] (µg/L)	Others[b] (µg/L)	Minimum Levels (µg/L)
VOLATILE ORGANICS			
1,1 Dichloroethane	5	5	1
1,1 Dichloroethylene	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	--	--	1
Acetone	700	700	na
Acrolein	100	100	5
Acrylonitrile	0.059	0.66	2.0
Benzene	1.0	1	0.5
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

POLLUTANT	MUN[a] (µg/L)	Others[b] (µg/L)	Minimum Levels (µg/L)
METALS[1]			
Antimony (Sb)	14	4300	5
Arsenic (As)	50	36	10
Beryllium (Be)	4	--	0.5
Cadmium (Cd)	2.4	9.4	0.5
Chromium III (Cr^{3+})	50	--	10
Chromium VI (Cr^{6+})	11	50	5
Copper (Cu)	9.4	3.7	0.5
Cyanide (CN)	5.2	--	5
Lead (Pb)	3.2	8.5	0.5
Mercury (Hg)	0.050	0.051	0.2
Nickel (Ni)	52	8.3	1
Selenium (Se)	5.0	71	2
Silver (Ag)	4	2.2	0.25
Thallium (Ti)	1.7	6.3	1
Zinc (Zn)	122	86	20
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
beta-BHC	0.014	0.046	0.005
Chlordane	0.00057	0.00059	0.1
delta-BHC	--	--	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

(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.

POLLUTANT	MUN[a] (µg/L)	Others[b] (µg/L)	Minimum Levels (µg/L)
SEMI – VOLATILE ORGANICS			
1,2 Diphenylhydrazine	0.040	0.54	1
1,2,4 Trichlorobenzene	70	--	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	--	--	5
2-Nitrophenol	--	--	10
2-Chloronaphthalene	1700	4300	10
3,3' Dichlorobenzidine	0.04	0.077	5
3-Methyl-4-Chlorophenol	--	--	1
2-Methyl-4,6-Dinitrophenol	13	765	5
4-Nitrophenol	--	--	5
4-Bromophenyl phenyl ether	--	--	5
4-Chlorophenyl phenyl ether	--	--	5
Acenaphthene	1200	2700	1
Acenaphthylene	--	--	10
Anthracene	9600	110000	5
Benzidine	0.00012	0.00054	5
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	--	--	5
Benzo (k) Fluoranthene	0.0044	0.049	2
Bis (2-Chloroethoxyl) methane	--	--	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

POLLUTANT	MUN[a] (µg/L)	Others[b] (µg/L)	Minimum Levels (µg/L)
SEMI – VOLATILE ORGANICS (continued)			
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	--	--	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	--	10
Nitrobenzene	17	1900	10
Pentachlorophenol	0.28	7.9	1
Phenanthrene	--	--	5
Phenol	21000	4600000	50
Pyrene	960	11000	10
MISCELLANEOUS			
Asbestos (in fibers/L k,s.)	7000000	7000000	
Di-isopropyl ether (DIPE)	0.8	0.8	2
1,4-Dioxane	3	3	
Ethanol	1000	1000	1000
Ethyl tertiary butyl ether (ETBE)	2	2	2
Methanol	1000	1000	1000
Methyl tertiary butyl ether (MTBE)	5	5	
Perchlorate	6	6	
2,3,7,8-TCDD (Dioxin)	1.3E-08	1.3E-08	1.0E-05
Tertiary amyl methyl ether (TAME)	2	2	2
Tertiary butyl alcohol (TBA)	12	12	10
Total petroleum hydrocarbons	100	100	

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