



LIMITS FOR TOXIC AND HAZARDOUS CHEMICALS IN WATER

		Water (ug/l)	0	0	0	0
		Drinking (WHO)	Drinking RAL (SF)*	MCL/MCLG (SF)*	Fishery (CAN)	Agricultural (CAN)
Heavy Metals						
Arsenic	Mining/Smelting, Pesticides	50	50	50/-	50	100 (Irrigation); 500-5000 (Livestock)
Cadmium	Copper/Lead/Zinc Smelters, Phosphate fertilizers	5-10,	5	5/5	.2-1.8 (Fresh)	10-20,
Chromium	Chemical Manufacture, Tanning, Dye	50	200	100/100	2-20 (Fresh)	100 (Irrigation); 100-1000 (Livestock)
Lead	Mining/Smelting, ULABs, Ammunition Factories	50-100	30 (at tap)	Treat. Tech/0	1-7 (Fresh)	200(Irrigation); 100 (Livestock)
Mercury	Mining/Smelting, Batteries, Burning Fossil Fuels	1	10	2/2	.1 (Fresh)	3 (Livestock)
Other Contaminants						
Asbestos	Insulation, Brakes, Pipes	7 Million Fibers/L	70 MFL	7/7 MFL	-	-
Coal Dust	Mining, Hazardous Waste Sites, Industrial Power	NO STANDARDS SET FOR WATER	0	0	0	0
Cyanide	Vehicle Exhaust, Burnng plastics, Plating/Chem Indus	700 (EPA)	200/200	200	5 (Fresh)	-
Dioxin (TCDD - TETRACHLORODIBENZO)	Herbicides manufacture, Paper/ Pulp bleaching	0.000000013 (EPA)	0	0	-	-
Fluorides	Coal Combustion/ Phosphate plants	4000 (EPA)	5000	4000/4000	-	-
PAH (Polycyclic Aromatic Hydrocarbons)						
Benzo(a)Pyrene (a common PAH)	Incomplete burning of coal, oil and gas, garbage	0	0	0	0	0
		.01-.2	.2	.2/0	-	-
Pesticides						
Atrazine	Runoff, Dumping, Agriculture	0	0	0	0	0
		3 (EPA)	30	3/3	-	-
Cyanazine	Runoff, Dumping, Agriculture	10 (CAN)	10	-/10	2 (Fresh)	-
Simazine	Runoff, Dumping, Agriculture	4 (EPA)	40	4/4	-	-
Alachlor	Runoff, Dumping, Agriculture	2 (EPA)	40	2/0	-	-
Metolachlor	Runoff, Dumping, Agriculture	50 (CAN)	2000	-/-	-	-
Aldrin (POP)	Runoff, Dumping, Agriculture	0.03	.2	-	.000004 (CAN)	0
Chlordane (POP)	Runoff, Dumping, Agriculture	0.3	2	2/0	0	0
DDT (POP)	Runoff, Dumping, Agriculture	1	0	0	-	-
Dieldrin (POP)	Runoff, Dumping, Agriculture	.03 (WHO)	.2	-	-	-
Endrin (POP)	Runoff, Dumping, Agriculture	.76 (EPA)	3	2/2	0.0023	0
Furan (POP)	Runoff, Dumping, Agriculture	-	0	0	-	-
Heptachlor (POP)	Runoff, Dumping, Agriculture	.1	.8	.4/0	.01 (CAN)	-
Hexachlorobenzene (POP)	Runoff, Dumping, Agriculture	0-.10 (EPA)	2	1/0	-	-
Toxaphene (POP)	Runoff, Dumping, Agriculture	.00073 (EPA)	3	3/0	-	-
Mirex (POP)	Runoff, Dumping, Agriculture	5 (NY)	0	0	.001 (NY)	-
Polychlorinated Biphenyls (PCBs)						
	Hazardous Waste, Transformers, Capacitors	.001 (CAN)	.5	.5/0	-	-
VOCs (Volatile Organic Compounds)						
Trichloroethylene	Paints, Varnishes, Industrial Machinery	0	0	0	0	0
		30	300	5/0	-	-
Toluene	Oil/Petroleum Spills, Industrial waste	1000 (TX), 5 (NY)	2000	1000/1000	300 (CAN)	-
Xylenes	Oil/Petroleum Spills, Industrial waste	300 (CAN)	40,000	10,000/10,000	-	-
Ethylbenzene	Oil/Petroleum Spills, Industrial waste	700 (FL)	1000	700/700	-	-
Benzene	Oil/Petroleum Spills, Industrial waste	1.2 (EPA)	100	5/0	-	-
Sulfur Dioxide	coal/petro burning, apricot preservative, wine making	NO STANDARDS SET FOR WATER	0	0	0	0

All data from Sittig 1994, excluding
*EPA Memorandum 11/10/98