



LIMITS FOR TOXIC AND HAZARDOUS CHEMICALS IN AIR

		Air - Ambient (ug/m3)		Air - Workplace (mg/m3)	
		8 hr	24 hr	TWA	STEL
Heavy Metals					
Arsenic (Radionuclide)	Mining/Smelting, Pesticides	5 (NV)	.084 (AZ)	.01 (OSHA)	.05 (ARG)
Cadmium	Copper/Lead/Zinc Smelters, Phosphate fertilizers	.5 (FL)	.12 (FL)	.005 (OSHA)	
Chromium	Chemical Manufacture, Tanning, Dye	.5 (FL)	.12 (FL)	1 (OSHA)	
Lead	Mining/Smelting, ULABs, Ammunition Factories	0.15 (WHO)	0.45 (ARG)	.03-.06 (WHO)	.45 (ARG)
Mercury	Mining/Smelting, Batteries, Burning Fossil Fuels	.1-1 (FL)	.024 (FL)	.1 (OSHA)	.15 (GBR)
Other Contaminants					
Asbestos	Insulation, Brakes, Pipes	.0001 (CT)	2 (VA)	200 (OSHA)	600 (GBR)
Coal Dust	Mining, Hazardous Waste Sites, Industrial Power	30 (FL)	72 (FL)	NO STANDARDS SET FOR WORKPLACE	
Cyanide	Vehicle Exhaust, Burning plastics, Plating/Chem Indus	50-500 (FL)	125 (SC)	5 (ARG)	5 (ARG)
Dioxin (TCDD - TETRACHLORODIBENZO)	Herbicides manufacture, Paper/ Pulp bleaching	450 (IN)	.01 (AZ)	-	-
Fluorides	Coal Combustion/ Phosphate plants			2.5 (NIOSH/OSHA)	-
Toluene	Oil/Petroleum Spills, Industrial waste	3700 (FL)	900 (FL)	375 (NIOSH/OSHA)	560 (NIOSH/OSHA)
Xylenes	Oil/Petroleum Spills, Industrial waste	4350 (FL)	1040 (FL)	435 (NIOSH/OSHA)	655 (NIOSH/OSHA)
Ethalbenzene	Oil/Petroleum Spills, Industrial waste			435 (NIOSH/OSHA)	545 (NIOSH/OSHA)
Benzene	Oil/Petroleum Spills, Industrial waste	30 (FL)	7.2 (FL)	.3/3 (NIOSH/OSHA)	3/15 (NIOSH/OSHA)
PAH (Polycyclic Aromatic Hydrocarbons)	Incomplete burning of coal, oil and gas, garbage				
Benzo(a)Pyrene (a common PAH)		.1 (CT)	.21 (AZ)	.005 (SWE)	.03 (SWE)
Pesticides	Runoff, Dumping, Agriculture				
Atrazine	Runoff, Dumping, Agriculture	50 (FL)	12 (FL)	5 (NIOSH/OSHA)	-
Cyanazine	Runoff, Dumping, Agriculture	20 (FL)	4.8 (FL)	2 (NIOSH/OSHA)	4 (FIN)
Simazine	Runoff, Dumping, Agriculture	-	50-100 (VA)	3 (NIOSH/OSHA)	-
Alachlor	Runoff, Dumping, Agriculture				
Metolachlor	Runoff, Dumping, Agriculture	NO STANDARDS		NO STANDARDS	
Aldrin (POP)	Runoff, Dumping, Agriculture	2.5 (FL)	.6 (FL)	.25 (GBR)	.75 (GBR)
Chlordane (POP)	Runoff, Dumping, Agriculture	5 (FL)	1.2 (FL)	.5 (NIOSH/OSHA)	-
DDT (POP)	Runoff, Dumping, Agriculture	10 (FL)	2.4 (FL)	1 (NIOSH/OSHA)	-
Dieldrin (POP)	Runoff, Dumping, Agriculture	2.5 (FL)	.6 (FL)	0.25 (NIOSH/OSHA)	-
Endrin (POP)	Runoff, Dumping, Agriculture	1 (FL)	.12 (FL)	.1 (NIOSH/OSHA)	-
Furan (POP)	Runoff, Dumping, Agriculture	-	-	-	-
Heptachlor (POP)	Runoff, Dumping, Agriculture	5 (FL)	1.2 (FL)	.5 (NIOSH/OSHA)	-
Hexochlorobenzene (POP)	Runoff, Dumping, Agriculture	-	.99 (AZ)	-	.9 (CIS)
Toxaphene (POP)	Runoff, Dumping, Agriculture	5 (FL)	1.2 (FL)	.5 (NIOSH/OSHA)	1 (NIOSH/OSHA)
Mirex (POP)	Runoff, Dumping, Agriculture	-	4500 (SC)	-	-
Polychlorinated Biphenyls (POP)	Hazardous Waste, Transformers, Capacitors	5 (FL)	.079 (AZ)	.5-1 (GBR)	1-2 (GBR)
VOCs (Volatile Organic Compounds)	Paints, Varnishes, Industrial Machinery				
Trichloroethylene		2700 (FL)	648 (FL)	135 (WHO)	-
Sulfur Dioxide	coal/petro burning, apricot preservative, wine making	50 (FL)	12 (FL)		

All data from Sittig M. 1994. World-wide limits for toxic and hazardous chemicals in air, water and soil. Noyes Data Corporation, Park Ridge, NJ. Excluding *EPA Memorandum 11/10/98