

Groundwater Pollution Control Standards

Six articles promulgated by Environmental Protection Administration Order (90) Huan-Shu-Shui-Tzu No. 0073680 on November 21, 2001.

Revisions to Article 4 promulgated by EPA Order Huan-Shu-Shui-Tzu No. 0980003647 on January 15, 2009.

Article 1

These Standards are determined pursuant to Article 5, Paragraph 2 of the Soil and Groundwater Pollution Remediation Act.

Article 2

If the concentration of substances in the groundwater meets the pollutant control values listed in these Standards, but the substance is not due to contamination caused external pollution, then these standards does not apply.

Article 3

Groundwater is classified into the following two categories:

- I. Category 1: Drinking water from groundwater sources in protected areas
- II. Category 2: Groundwater which is not of Category 1

Article 4

Pollutant control items and standard values (concentration units: milligrams/liter; digits following the significant digits are rounded down):

Controlled item	Control Standard Values	
	Category 1	Category 2
Monocyclic aromatic hydrocarbons		
苯 (Benzene)	0.0050	0.050
甲苯 (Toluene)	1.0	10
乙苯 (Ethylbenzene)	0.70	7.0
二甲苯 (Xylenes)	10	100
Polycyclic aromatic hydrocarbons		
萘 (Naphthalene)	0.040	0.40
Chlorinated hydrocarbons		
四氯化碳 (Carbon tetrachloride)	0.0050	0.050
氯苯 (Chlorobenzene)	0.10	1.0
氯仿 (Chloroform)	0.10	1.0
氯甲烷 (Chloromethane)	0.030	0.30
1,4-二氯苯 (1,4-Dichlorobenzene)	0.075	0.75
1,1-二氯乙烷 (1,1-Dichloroethane)	0.85	8.5
1,2-二氯乙烷 (1,2-Dichloroethane)	0.0050	0.050
1,1-二氯乙烯 (1,1-Dichloroethylene)	0.0070	0.070
顺-1,2-二氯乙烯 (cis-1,2-Dichloroethylene)	0.070	0.70

Controlled item	Control Standard Values	
	Category 1	Category 2
反-1,2-二氯乙烯 (trans-1,2-Dichloroethylene)	0.10	1.0
總酚 (phenols)	0.014	0.14
四氯乙烯 (Tetrachloroethylene)	0.0050	0.050
三氯乙烯 (Trichloroethylene)	0.0050	0.050
氯乙烯 (Vinyl chloride)	0.0020	0.020
二氯甲烷 (Dichloromethane)	0.0050	0.050
1,1,2-三氯乙烷 (1,1,2-Trichloroethane)	0.0050	0.050
Agricultural Chemicals		
2,4-地 (2,4-D)	0.070	0.70
加保扶 (Carbofuran)	0.040	0.40
可氯丹 (Chlordane)	0.0020	0.020
大利松 (Diazinon)	0.0050	0.050
達馬松 (Methamidophos)	0.020	0.20
巴拉刈 (Paraquat)	0.030	0.30
巴拉松 (Parathion)	0.022	0.22
毒殺芬 (Toxaphene)	0.0030	0.030
Heavy metals		
砷 (As)	0.050	0.50
鎘 (Cd)	0.0050	0.050
鉻 (Cr)	0.050	0.50
銅 (Cu)	1.0	10
鉛 (Pb)	0.050	0.50
汞 (Hg)	0.0020	0.020
鎳 (Ni)	0.10	1.0
鋅 (Zn)	5.0	50
General items		
硝酸鹽氮 (以氮計) (Nitrate as N)	10	100
亞硝酸鹽氮 (以氮計) (Nitrite as N)	1.0	10
Other pollutants		
柴油總碳氫化合物 (Total Petroleum Hydrocarbon as Diesel; TPH _d)	1.0	10
氰化物 (Cyanide as CN ⁻)	0.050	0.50

Article 5

Enterprises, their industry associations or groups related to environmental protection must present concrete scientific data and information to the central authority as reference for amendments to the previous article.

Article 6

These Standards shall take effect from the date of promulgation.