

Environmental Standards for Water Quality and Aquatic Ecosystem

<Groundwater>

1. Ground water used for drinking shall be subject to the standard of drinking water in accordance with the Article 5 of the Drinking Water Management Act.

2. In the case of groundwater for residential/agricultural/fishing/industrial uses

(Unit: mg/L)

Category	Water Use	Living Water	Agricultural Water - Fishery Water	Industrial Water
	Genera	pH	5.8-8.5	6.0-8.5
Pollutants (5 in total)	No. of E-Coliforms	≤5,000 (MPN/100ml)	-	-
	Nitrate Nitrogen(NO ₃ -N)	≤20	≤20	≤40
	Chloride (Cl ⁻)	≤250	≤250	≤500
	Total Colony Count	≤100CFU/1ml	-	-
	Specific Hazardous Substances (15 in total)	Cadmium (Cd)	≤0.01	≤0.01
	Arsenic (As)	≤0.05	≤0.05	≤0.1
	Cyanide (CN)	ND	ND	≤0.2
	Mercury (Hg)	ND	ND	ND
	Organic Phosphorus	ND	ND	ND
	Phenol	≤0.005	≤0.005	≤0.01
	Lead (Pb)	≤0.1	≤0.1	≤0.2
	Hexachromium (Cr ⁺⁶)	≤0.05	≤0.05	≤0.1
	TCE (Trichloroethylene)	≤0.03	≤0.03	≤0.06
	PCE (Tetrachloroethane)	≤0.01	≤0.01	≤0.02
	1.1.1-Trichloroethane	≤0.15	≤0.3	≤0.5
	Benzene	≤0.015	-	-
	Toluene	≤1	-	-
	Ethyl Benzene	≤0.45	-	-
	Xylene	≤0.75	-	-