Content				
Title:	Drinking Water Quali	ty Standards Ch		
Date:	2022.05.23			
Legislative :	Administration Order 2.Revisions to Artic Administration Order 3.Revisions to Artic Protection Administra 2005 4.Revisions to Artic Administration Order 5.Revisions to Artic Administration Order 6.Revisions to Artic Administration Order 7.Revisions to Artic Administration Order 8.Revisions to Artic	ted and promulgated by H (87) Huan-Shu-Tu-Tzu No le 3 promulgated by Envi Huan-Shu-Tu-Tzu No. 092 les 3, 4, 5 and 6 promul ation Order Huan-Shu-Tu- le 3 promulgated by Envi Huan-Shu-Tu-Tzu No. 096 le 3 promulgated by Envi Huan-Shu-Tu-Tzu No.0980 le 3 promulgated by Envi Huan-Shu-Tu-Tzu No.1030 le 3, 4, 5 promulgated H Huan-Shu-Tu-Tzu No.1060 le 5 and addition of Art tion Administration Orde 3, 2022.	b. 004428 on Februa ironmental Protect: 20028896 on May 7, Igated by Environme -Tzu No. 0940039894 ironmental Protect: 50100652 on January ironmental Protect: 0106331E on Novembe ironmental Protect: 0001229 on January by Environmental P: 0000881 on January ticles 5-1 promulga	ary 4, 1998 ion 2003 ental 4 on May 30, ion y 2, 2008 ion er 26, 2009. ion 9, 2014. rotection 10, 2017. ated by
	"this Act"). Article 2 These st drinking water equipt drinking water design Article 3 Regulat I. Bacterial standard collected from the fi from water treatment Item	rinking Water Management tandards shall apply to ment designated in Artic nated by the central con ions of these standards ds: (Samples for total b inished water distribut; utilities with disinfed Maximum limit p 6 (Multiple-tube fermentation method) 6 (Membrane filtratio method) 100	drinking water sup cle 4 of this Act a mpetent authority. are set forth here bacterial count mus ion networks that ction regime) Unit Most probable milliliters	pplied from and other ein. st be receive water e number (MPN)/100 ng unit(CFU)/100
	bacterial count		unit(CFU)/mi	-
	II. Physical standard Item 1. Odor 2. Turbidity 3. Color	ds: Maximum limit 3 2 5		or number (TON) metric turbidity alt unit
	III. Chemical standar A. Substances that in			
	Item 1. Arsenic		Maximum limit 0.01	Unit milligrams/li ter
	2. Lead		0.01	milligrams/li ter
	3. Selenium		0.01	milligrams/li ter

4 57 1 1	· ·	0.05	
4. Total c	hrom1um	0.05	milligrams/li ter
5. Cadmium		0.005	milligrams/li
<		2 0	ter
6. Barium		2.0	milligrams/li
7 Antinon		0.01	ter
7. Antimon	ý	0.01	milligrams/li ter
8. Nickel		0.1	milligrams/li
0. NICKCI		0.1	ter
		0.07	
		This standard is	
		effective starting	
		on July 1, 2018.	
		0.02	
		0.02 This standard is	
		effective starting	
		on July 1, 2020.	
9. Mercury		0.002	milligrams/li
			ter
		0.001	
		This standard is	
		effective starting	
		on July 1, 2020.	
10. Cyanid	e (as CN-)	0.05	milligrams/li
11 N:4:4		0.1	ter milligrams/li
11. Nitrit	e-mitiogen	0.1	ter
Disinfecti	12. Total Trihalomethanes	0.08	milligrams/li
on		0.00	ter
byproducts	13. Haloacetic acids	0.060	milligrams/li
	(This concentration is		ter
	defined as the sum of		
	measured concentrations for		
	five haloacetic acids,		
	including monochloroacetic		
	acid (MCAA), dichloroacetic acid (DCAA), trichloroacetic		
	acid (TCAA), monobromoacetic		
	acid (MBAA), and		
	dibromoacetic acid.)		
	14. Bromate	0.01	milligrams/li
			ter
	15. Chlorite	0.7	milligrams/li
	(This regulation only applies		ter
	to water supply systems that		
	use gaseous chlorine dioxide		
Velet'1	as disinfectant)	0.005	
Volatile organic	16. Trichloroethene	0.005	milligrams/li
compounds	17. Carbon tetrachloride	0.005	ter milligrams/li
compounds		0.005	ter
	18. 1,1,1-Trichloroethane	0.20	milligrams/li
			ter
			milligrams/li
	19. 1,2-Dichloroethane	0.005	milligiams/ii
	19. 1,2-Dichloroethane	0.005	ter
	19. 1,2-Dichloroethane 20. Vinyl chloride	0.005	
		0.002	ter
		0.002 0.0003	ter milligrams/li
		0.002 0.0003 This standard is	ter milligrams/li
		0.002 0.0003	ter milligrams/li

	21. Benzene	0.005	milligrams/li
			ter
	22. 1,4-Dichlorobenzene	0.075	milligrams/li
			ter
	23. 1.1-Dichloroethylene	0.007	milligrams/li
			ter
	24. Dichloromethane	0.02	milligrams/li
			ter
	25. 1,2-Dichlorobenzene	0.6	milligrams/li
			ter
	26. Toluene	0.7	milligrams/li
			ter
	27. Xylenes	0.5	milligrams/li
	(This regulated concentration		ter
	for Xylenes is defined as the		
	sum of the measured		
	concentrations of three		
	xylene isomers, including		
	1,2-Xylene, 1,3-Xylene, and		
	l,4-Xylene.)		
	28. Cis-1,2-Dichloroethene	0.07	milligrams/li
			ter
	29. Trans-1,2-Dichloroethene	0.1	milligrams/li
			ter
	30. Tetrachloroethene	0.005	milligrams/li
			ter
gricultur	31. Endosulfan	0.003	milligrams/l:
1			ter
hemicals	32. Lindane	0.0002	milligrams/l:
		0.0002	ter
	33. Butachlor	0.02	milligrams/l:
	55. Dutuenter	0.02	ter
	34. Dichlorophenoxyacetic	0.07	milligrams/li
	acid	0.07	ter
	35. Paraquat	0.01	milligrams/1
		0.01	
	36. Methomyl	0.01	ter milligrams/li
	50. Metholiyi	0.01	ter
	37. Carbofuran	0.02	
	57. Carboruran	0.02	milligrams/li
	20 Ioonnoont	0.00	ter
	38. Isoprocarb	0.02	milligrams/li
	20 N (1 1 1	0.00	ter
	39. Methamidophos	0.02	milligrams/l
		0.005	ter
	40. Diazinon	0.005	milligrams/1
			ter
	41. Parathion	0.02	milligrams/l:
			ter
	42. EPN	0.005	milligrams/1
			ter
	43. Monocrotophos	0.003	milligrams/l:
		1	ter

Persistent	44 Dioxin	3	Petagram -
organic	This regulated concentration		World Health
pollutants	for Dioxin is defined as the		Organization
	sum of the measured		-
	concentrations of 17		total
	compounds, including 2,3,7,8-		toxicity
	Tetrachlorinated dibenzo-p-		equivalency
	dioxin-2,3,7,8-TeCDD,		quantity/lite
	2,3,7,8-Tetra chlorinated		r
	dibenzofuran,2,3,7,8-TeCDF		(pg-WHO-
	and 2,3,7,8- penta-, hexa-,		TEQ/L)
	hepta-, and octa-chlorinated		
	dioxins and furan. This		
	regulated concentration for		
	Dioxin is multiplied by the		
	dioxin toxic equivalency		
	factor (WHO-TEFs) provided by		
	World Health Organization,		
	and is expressed as a total		
	toxicity equivalency quantity		
	(TEQ). (If any drinking		
	water treatment facilities		
	locate within a 5-kilometer		
	distance having a large		
	pollution source, it must be		
	monitored once every year. If		
	the measured Dioxin		
	concentrations do not exceed		
	the maximum permitted limit		
	for two consecutive years,		
	the monitoring frequency may		
	be reduced to once every two		
	years starting in the		
	following year.)		

B. Substances with potential health impact:

Item	Maximum limit	Unit
l. Flouride (as F–)	0.8	milligrams/li
		ter
2. Nitrate nitrogen	10.0	milligrams/li
		ter
3. Silver	0.05	milligrams/li
		ter
4. Molybdenum	0.07	milligrams/li
(This regulation only applies to water		ter
supply systems with a potential		
pollution source, such as those with		
semiconductor fabrication plants,		
optoelectronic manufacturing plants, or		
parts manufacturing plants, located		
within a 5-kilometer distance upstream		
from their water intake. The testing		
frequency is once per quarter. If the		
test values do not exceed the maximum		
permissible limits for two consecutive		
years, the testing frequency could		
reduce to once per year from the		
following year.)		

5. Indium	0.07	milligrams/li
(This regulation only applies to water		ter
supply systems with a potential		
pollution source, such as those with		
semiconductor fabrication plants,		
optoelectronic manufacturing plants, or		
parts manufacturing plants, located		
within a 5-kilometer distance upstream		
from their water intake The testing		
frequency is once per quarter. If the		
test values do not exceed the maximum		
permissible limits for two consecutive		
years, the testing frequency could		
reduce to once per year from the		
following year.)		

C. Contaminants that cause aesthetic, cosmetic, and technical effects:

Item	Maximum limit	Unit
1. Iron	0.3	milligrams/li ter
2. Manganese	0.05	milligrams/li ter
3. Copper	1.0	milligrams/li ter
4. Zinc	5.0	milligrams/li ter
5. Sulfate (as SO ₄ ²⁻)	250	milligrams/li ter
6. Phenols	0.001	milligrams/li ter
7. Anionic surface-active agents	0.5	milligrams/li ter
8. Chloride (as Cl-)	250	milligrams/li ter
9. Ammonia nitrogen	0.1	milligrams/li ter
10. Total hardness (as CaCO ₃)	300	milligrams/li ter
11. Total dissolved solids	500	milligrams/li ter
12. Aluminum (This regulation concentration is defined as the concentration of total aluminum.)	0.3 0.2 This standard is effective starting on July 1, 2019. (This regulation is not applicable when the turbidity of the water source is over 500 NTU in the period of typhoon landfall warning, and when the turbidity of water source is over 1000 NTU during the three days after the warning is lifted.)	milligrams/li ter

D. Limit range of residual chlorine (Limited to water supply systems using chlorine as disinfectant):

Item Limit range Unit

Free available residual chlor	ine 0.2-1.0	milligrams/li
		ter

E. Range for pH index (water treated by stationary continuous water supply equipment on public or private premises are not be subjected to this limitation):

Item	Limit range	Unit
Hydrogen ion concentration index (pH value)	6.0-8.5	No unit

Article 4 For tap water, simple water supply and treatment facilities, and community-installed public water supply systems, when source water turbidity value exceeds 1,500 NTU caused by torrential rains or other natural disasters, the maximum turbidity limit for drinking water may apply to 4 NTU.

Drinking water source turbidity testing data in the foregoing paragraph shall be provided by tap water enterprises, simple water supply and treatment units or community-installed public water supply units. Article 5 For tap water, simple water supply and treatment facilities, and community-installed public water supply systems, when source water turbidity value exceeds 1,500 NTU caused by torrential rains or other natural disasters, the limit range of free residual chlorine may apply to the following values (shall apply only to water supply systems that add chlorine disinfectants).

	Item	Maximum limit	Unit
	Free residual chlorine	0.2-3.0	milligrams/liter
. · ·	1. 5.1 Erection and the three states the terms		1

Article 5-1 For tap water that needs to be supplied by zones due to the natural disasters described in the preceding article, during the natural disaster response actions period, the drinking water quality standards in the supply districts are as follows.

I. Limit range of free residual chlorine (shall apply only to water supply systems that add chlorine disinfectants).

Item	Maximum limit	Unit
Free residual chlorine	0.2-3.0	milligrams/liter

II. Physical standards:

Item	Maximum limit	Unit
Turbidity	4	NTU(nephelometric turbidity unit)
Color	10	Platinum-cobalt unit

III. Contaminants that cause aesthetic, cosmetic, and technical effects:

Item	Maximum limit	Unit
Iron	0.5	milligrams/liter
Manganese	0.1	milligrams/liter
Total hardness (as CaCO ₃)	400	milligrams/liter
Total dissolved solids	800	milligrams/liter

The natural disaster response actions period described in the first paragraph referred to the period which Central Emergency Operation Center is established to deal with natural disasters, in accordance with Article 13, Paragraph 1 of the Disaster Prevention and Protection Act. Article 6 (Deleted)

Article 7 Testing methods for each water quality item designated in these Standards shall be designated and officially announced by the central competent authority.

Article 8 A competent authority that conducts water quality analysis in accordance with these Standards may commission an approved analysis laboratory to assist with analysis.

Article 9 Unless an implementation date is separately designated, the regulation items in these standards shall take effect on the date of promulgation.

Files : Drinking Water Quality Standards.pdf

Data Source: Ministry of Environment Laws and Regulations Retrieving System