Waterworks Data

• Waterworks business

Operation start November 13, 1895 (The fourth in Japan, following Yokohama, Hakodate, and Nagasaki) **Population served**

2,716,989 (As of April 1, 2018)

Number of households served 1,596,512 (As of March 31, 2018)

- Water supply coverage 100%
- Daily water supply capacity 2,430,000 m³

Annual water supply 405,103,000 m³ (FY 2017)

- Maximum daily supply 1.218.100 m³ (FY 2017) (The largest maximum daily supply was 2,417,700 m³ in 1970.)
- Average daily supply 1.109.871 m³ (FY 2017)
- Average domestic daily water consumption per person 241 ℓ (FY 2017)
- Total length of aqueducts, water pipes and distribution pipes

5,229 km (As of March 31, 2018)

Annual waterworks budget 96,956 million yen (budget for FY 2018)

FY 2017 Settled water consumption rates by business category



Settled water consumption index by business category









		Item	Standard value	Drinking wate (average valu
	1.	Viable bacteria Number of colonie	s formed in 1 ml sample must be 100 or less.	0/ml
	2.	E. coli bacteria	Must not be detected	Not detected
*	3.	Cadmium and its compounds	0.003 mg/l or less	less than 0.003 mg
*	4.	Mercury and its compounds	0.0005 mg/l or less	less than 0.00005 mg
¢	5.	Selenium and its compounds	0.01 mg/l or less	less than 0.001 mg
	6.	Lead and its compounds	0.01 mg/l or less	less than 0.001 mg
¢	7.	Arsenic and its compounds	0.01 mg/l or less	less than 0.0005 mg
	8.	Hexavalent chrome and its compounds	0.05 mg/l or less	less than 0.005 mg
	9.	Nitrite nitrogen	0.04 mg/l or less	less than 0.004 mg
	10.	Cyanide ion and cyanogen chloride	0.01 mg/l or less	less than 0.001 mg
	11.	Nitrite nitrogen and nitrate nitrogen	10 mg/l or less	0.8 mg
	12.	Fluoride and its compounds	0.8 mg/l or less	0.08 mg
	13.	Boron and its compounds	1.0 mg/l or less	0.02 mg
	14.	Carbon tetrachloride	0.002 mg/l or less	less than 0.0001 mg
	15.	1,4-dioxane	0.05 mg/l or less	less than 0.0005 mg
	16.	Cis-1,2-dichloroethylen and trans-1, 2- dychloroethylen	0.04 mg/l or less	less than 0.0004 mg
	17	Dichloromethane	0.02 mg/l or less	less than 0.001 mg
	18	Tetrachloroethylene	0.01 mg/l or less	less than 0.0001 mg
	19	Trichloroethylene	0.01 mg/l or less	less than 0 0003 mo
	20	Benzene	0.01 mg/l or les	less than 0 001 mg
	21	Chloric acid	0.6 mg/Lor less	0 027 mg
	22	Chloroacetic acid	0.02 mg/l or less	less than 0 002 mg
	23	Chloroform	0.06 mg/Lor less	0.001 mg
	24	Dichloroacetic acid	0.03 mg/l or less	less than 0 001 mg
	25	Dibromochloromethane	0.1 mg/l or less	0 004 mg
	26	Bromic acid	0.01 mg/Lor less	0.001 mg
	27	Total trihalomethane ²⁾	0.1 mg/l or less	0.010 mg
	28	Trichloroacetic acid	0.03 mg/l or less	less than 0 001 mg
	29	Bromodichloromethane	0.03 mg/Lor less	0.003 mg
	30	Bromoform	0.09 mg/l or less	0.001 mg
	31	Formaldehyde	0.08 mg/l or less	less than 0 002 mg
	32	Zinc and its compounds	1.0 mg/l or less	less than 0.1 mo
	33	Aluminum and its compounds	0.2 mg/l or less	less than 0.01 mg
	3/	Iron and its compounds	0.2 mg/l or less	less than 0.03 mg
	35	Conner and its compounds	1.0 mg/l or loss	less than 0.1 mg
	36	Sodium and its compounds	200 mg/Lor loss	16 mg
	27	Mangangeo and its compounds	200 mg/Lor loss	loss than 0.001 mg
	20	Chlorido ion	200 mg /l or loss	12 mg
	20.	Coloium magnaoium ata (bardaoaa)	200 mg/Lor loss	10 mg
	39.	Culture and an and a solution of the solution	500 mg/Lor loss	41 Hy
	40.	Evaporateu residue	500 mg/Lor loss	90 mg
	41.	Annonic surfactants	0.00001 mg/Los loss	loss than 0.00001 mg
	42.	Geosmin	0.00001 mg/l or less	less than 0.000001 mg
	43.	2-Metnyl-isoborneol	0.00001 mg/l or less	less than 0.000001 mg
	44.	Nonionic surfactants	0.02 mg/l or less	less than 0.002 mg
	45.	Phenois	0.005 mg/l or less	less than 0.0005 mg
	46.	Urganic substances (TUC)	3 mg/l or less	0.7 mg
	47.	pH value	5.8 - 8.6	7.6
	48.	laste	Must not be abnormal	NO apnormalities
	49.	Odor	Must not be abnormal	Chlorine odor
	50.	Color	5 degrees or less	less than 0.5 degrees

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