Water Quality Inspection Report_ April 2020 to September 2020

Sampling location: **Miho Fureai Park**

Supply route: Tanitsu Filtration Plant→ Ohirayama Reservoir

	Items for Inspection	Units	Criterion Value	8-Apr-2020	13-May-2020	3-Jun-2020	1-Jul-2020	12-Aug-2020	7-Sep-2020							Maximum	Minimum	Average
	Sampling Date																	
	Air temperature	℃	—	18.1	28.9	23.7	23.6	31.5	29.5							31.5	18.1	25.9
	Water temperature	℃	—	15.0	19.4	21.4	22.8	26.9	26.4							26.9	15.0	22.0
1	Standard plate count bacteria	per ml	100 or less	0	0	0	0	0	0							0	0	0
2	Bacillus Coli	—	N/A	N/A	N/A	N/A	N/A	N/A	N/A							Detected 0 : Not Detected 6		
3	Cadmium or its chemical compounds	mg/L	0.003 or less	—	—	<0.0001	—	<0.0001	—							<0.0001	<0.0001	<0.0001
4	Mercury or its chemical compounds	mg/L	0.0005 or less	—	—	<0.00005	—	<0.00005	—							<0.00005	<0.00005	<0.00005
5	Selenium or its chemical compounds	mg/L	0.01 or less	—	—	<0.0005	—	<0.0005	—							<0.0005	<0.0005	<0.0005
6	Lead or its chemical compounds	mg/L	0.01 or less	—	—	<0.0005	—	<0.0005	—							<0.0005	<0.0005	<0.0005
7	Arsenic or its chemical compounds	mg/L	0.01 or less	—	—	<0.0003	—	<0.0003	—							<0.0003	<0.0003	<0.0003
8	Hexavalent chromium or its chemical compounds	mg/L	0.05 or less	—	—	<0.0005	—	<0.0005	—							<0.0005	<0.0005	<0.0005
9	Nitrate nitorogen	mg/L	0.04 or less	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004							<0.004	<0.004	<0.004
10	Cyanide ion/ Zion chloride	mg/L	0.01 or less	—	—	<0.001	—	<0.001	—							<0.001	<0.001	<0.001
11	Nitrate nitrogen/ Nitrite nitrogen	mg/L	10 or less	0.7	0.5	0.6	0.6	0.7	0.7							0.7	0.5	0.6
12	Flourine or its chemical compounds	mg/L	0.8 or less	—	—	0.06	—	0.05	—							0.06	0.05	0.06
13	Boron or its chemical compounds	mg/L	1.0 or less	—	—	0.034	—	0.030	—							0.034	0.030	0.032
14	Carbon tetrachloride	mg/L	0.002 or less	—	—	<0.0002	—	<0.0002	—							<0.0002	<0.0002	<0.0002
15	Dioxane-1.4	mg/L	0.05 or less	—	—	<0.0005	—	<0.0005	—							<0.0005	<0.0005	<0.0005
16	Cis-1.2 dichloroethylene and Trans-1.2 dichloroethylene	mg/L	0.04 or less	—	—	<0.001	—	<0.001	—							<0.001	<0.001	<0.001
17	Dichloromethane	mg/L	0.02 or less	—	—	<0.001	—	<0.001	—							<0.001	<0.001	<0.001
18	Tetrachloroethylene	mg/L	0.01 or less	—	—	<0.001	—	<0.001	—							<0.001	<0.001	<0.001
19	Trichloroethylene	mg/L	0.01 or less	—	—	<0.001	—	<0.001	—							<0.001	<0.001	<0.001
20	Benzene	mg/L	0.01 or less	—	—	<0.001	—	<0.001	—							<0.001	<0.001	<0.001
21	Chloric acid	mg/L	0.6 or less	—	—	<0.06	—	<0.06	—							<0.06	<0.06	<0.06
22	Chloroacetic acid	mg/L	0.02 or less	—	—	<0.002	—	<0.002	—							<0.002	<0.002	<0.002
23	Chloroform	mg/L	0.06 or less	—	—	0.006	—	0.006	—							0.006	0.006	0.006
24	Dichloroacetate	mg/L	0.03 or less	—	—	<0.002	—	<0.002	—							<0.002	<0.002	<0.002
25	Dibromochloromethane	mg/L	0.1 or less	—	—	<0.001	—	0.001	—							0.001	<0.001	<0.001
26	Bromic acid	mg/L	0.01 or less	—	—	<0.001	—	<0.001	—							<0.001	<0.001	<0.001
27	Total trihalomethane	mg/L	0.1 or less	—	—	0.009	—	0.010	—							0.010	0.009	0.010
28	Trichloroacetic acid	mg/L	0.03 or less	—	—	0.003	—	0.003	—							0.003	0.003	0.003
29	Bromodichloromethane	mg/L	0.03 or less	—	—	0.003	—	0.003	—							0.003	0.003	0.003
30	Bromoform	mg/L	0.09 or less	—	—	<0.001	—	<0.001	—							<0.001	<0.001	<0.001
31	Formaldehyde	mg/L	0.08 or less	—	—	<0.004	—	<0.004	—							<0.004	<0.004	<0.004
32	Zinic or its chemical compounds	mg/L	1.0 or less	—	—	<0.005	—	<0.005	—							<0.005	<0.005	<0.005
33	Alminum or its chemical compounds	mg/L	0.2 or less	—	—	0.1	—	0.11	—							0.11	0.10	0.11
34	Iron or its chemical compounds	mg/L	0.3 or less	—	—	<0.005	—	<0.005	—							<0.005	<0.005	<0.005
35	Copper or its chemical compounds	mg/L	1.0 or less	—	—	<0.005	—	<0.005	—							<0.005	<0.005	<0.005
36	Sodium or its chemical compounds	mg/L	200 or less	—	—	7	—	7	—							7	7	7
37	Manganese or its chemical compounds	mg/L	0.05 or less	—	—	<0.0003	—	<0.0003	—							<0.0003	<0.0003	<0.0003
38	Chloride ion level	mg/L	200 or less	5	5	6	4	4	4							6	4	5
39	Calcium/magnesium etc. (hardness)	mg/L	300 or less	—	—	57	—	56	—							57	56	57
40	Evaporation residue	mg/L	500 or less	—	—	102	—	98	—							102	98	100
41	Anionic detergents	mg/L	0.2 or less	—	—	<0.02	—	<0.02	—							<0.02	<0.02	<0.02
42	Geosmin *1	mg/L	0.00001 or less	—	—	<0.000001	—	<0.000001	—							<0.000001	<0.000001	<0.000001
43	2-methylisoborneol *2	mg/L	0.00001 or less	—	—	<0.000001	—	<0.000001	—							<0.000001	<0.000001	<0.000001
44	Nonionic surfactants	mg/L	0.02 or less	—	—	<0.005	—	<0.005	—							<0.005	<0.005	<0.005
45	Phenols	mg/L	0.005 or less	—	—	<0.0001	—	<0.0001	—							<0.0001	<0.0001	<0.0001
46	TOC(Organic material)	mg/L	3 or less	0.3	0.3	0.3	0.4	0.3	0.5							0.5	0.3	0.4
47	pH Count	—	From 5.8 to 8.6	7.7	7.8	7.8	7.7	7.6	7.7							7.8	7.6	7.7
48	Flavor	—	No abnormalities	No abnormalities	No abnormalities	No abnormalities	No abnormalities	No abnormalities	No abnormalities							Abnormal 0 : No Abnormalities 6		
49	Odour	—	No abnormalities	No abnormalities	No abnormalities	No abnormalities	No abnormalities	No abnormalities	No abnormalities							Abnormal 0 : No Abnormalities 6		
50	Chromaticity	℃	5 or less	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5							<0.5	<0.5	<0.5
51	Turbidity	℃	2 or less	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1							<0.1	<0.1	<0.1
	Chlorine residue	mg/L	0.1 or more ※3	0.44	0.40	0.40	0.44	0.34	0.34							0.44	0.34	0.39
Findings				Above items meet necessary water quality standards.	Meets water quality standards	Above items meet necessary water quality standards.	Above items meet necessary water quality standards.	Meets water quality standards	Above items meet necessary water quality standards.									
Duration of Inspection				from 8-Apr to 9-Apr	13-May 14-May	3-Jun 11-Jun	1-Jul 2-Jul	12-Aug 21-Aug	7-Sep 8-Sep									
Inspection Agency				Water Quality Management Division, Waterworks Department, Wateworks Bureau, City of Shizuoka（159-9 Ihara-cho, Shimizu-ku, Shizuoka City, Japan)														

Notes:

・Water quality inspections are carried out by methods set by the Minister of Health, Labour and Welfare (MHLW Notice 261, July 22, 2003)

・The symbol "<" to the left of values indicates a number less than said value

*1 Proper name: (4S, 4aS, 8aR) -Octahydro-4,8a-Dimethylnaphthalene-4a(2H)-All

*2 Proper name: 1,2,7,7-Tetramethylbicyclo[2,2,1]Heptane-2-All

*3 Isolated residual chlorine as it falls under Article 1, Part 3 of Enforcement Regulation 17 in the Waterworks Law

This is to certify that the above record is a translation of the original Water Quality Inspection Results.

Shimizu Port Authority