

DRINKING WATER SAFETY ADVISORY COMMITTEE

**Annual Water Quality Statistics of
the Enhanced Water Quality Monitoring Programme in 2020**

PURPOSE

This Paper reports the annual water quality statistics of the Enhanced Water Quality Monitoring Programme (“Enhanced Programme”) in 2020 and the associated observations.

BACKGROUND

2. The Water Supplies Department (“WSD”) launched the Enhanced Programme in December 2017, as one of the five components of the Action Plan for Enhancing Drinking Water Safety in Hong Kong promulgated in September 2017.

3. The Enhanced Programme monitors the concentration of six metals, viz. antimony, cadmium, chromium, copper, lead and nickel in drinking water at consumers’ taps of randomly selected premises using the following two-tier sampling protocol:-

Tier 1 – Random Day Time (“RDT”) sampling: the purpose is to monitor the water quality in respect of the six metals. A 1-litre unflushed sample is randomly taken during daytime.

Tier 2 – 30-minute stagnation (“30MS”) sampling: the purpose is to verify the metal exposure of consumers in case exceedance was found in the Tier 1 RDT sample. The tap will first be flushed for 5 minutes and then stagnated for 30 minutes. After stagnation, a 1-litre unflushed sample will be taken.

The Enhanced Programme targets on collecting sufficient local water quality data over a period of three to five years for review of the standard values of the six metals in the Hong Kong Drinking Water Standards (“HKDWS”).

4. Under the Enhanced Programme, the WSD has engaged an independent consultant to select premises randomly from all water accounts of the 18 district council (“DC”) districts in Hong Kong according to the population distribution of each DC district based on a sampling rate of eight premises per 5 000 - 100 000 people. Accordingly, water samples were collected from 672¹ and 663² randomly selected premises in 2018 and 2019 respectively. While 664 randomly selected premises were identified for collection of water samples in 2020, the WSD suspended the Enhanced Programme from 27 January to 29 November 2020 due to the COVID-19 pandemic, and therefore only 100 of such premises³ had water samples collected in the year.

MONITORING RESULTS IN 2020

5. The statistics of the test results of the water samples collected in 2020 under the Enhanced Programme is summarised in Table 1 below.

Table 1: Statistics of Monitoring Results in 2020 under the Enhanced Programme

	Minimum	Maximum	Average	95 th percentile	Standard Value	Compliance of water quality with HKDWS*
Antimony (µg/L)	<1	<1	<1	<1	20	✓
Cadmium (µg/L)	<1	<1	<1	<1	3	✓
Chromium (µg/L)	<1	<1	<1	<1	50	✓
Copper (µg/L)	<3	110	20	51	2 000	✓
Lead (µg/L)	<1	1	<1	<1	10	✓
Nickel (µg/L)	<1	26	2	4	70	✓

* A “✓” indicates compliance of drinking water quality with the HKDWS in all randomly selected premises based on the two-tier water sampling test results of the Enhanced Programme, i.e. the parameter will be regarded as complying with the HKDWS if (i) there is no exceedance found in RDT sample or (ii) there is no exceedance found in the 30MS sample in case the RDT sample fails. In 2020, all RDT samples complied with the HKDWS.

¹ According to the sampling rate, water samples would be collected from about 670 randomly selected premises each year. The Enhanced Programme commenced on 27 December 2017; and water samples from 6 randomly selected premises taken during 27 to 31 December 2017 are included in the statistics of 2018 for convenience.

² In fact, a total of 664 premises were selected in 2019 but one of the visits on the last day of December 2019 was unsuccessful. As a result, another visit was made on the first working day in January 2020 as a substitution.

³ Similar to overseas practices, the shortfall in sampling due to programme suspension was not made up.

6. An analysis of the monitoring results in 2020 under the Enhanced Programme is as below:-

- (a) The maximum contents of antimony, cadmium and chromium of all RDT samples was below the reporting limit⁴ of <1 µg/L. It indicates that the contents of antimony, cadmium and chromium in the drinking water at consumers' taps in Hong Kong are very low.
- (b) For copper, the maximum value and the 95th percentile among all RDT samples were 110 µg/L and 51 µg/L respectively, both of which were well below the standard value of 2 000 µg/L in the HKDWS. It indicates that the risk of exceedance of copper content in the drinking water at consumers' taps in Hong Kong is low.
- (c) For lead, the maximum value and the 95th percentile among all RDT samples were 1 µg/L and <1 µg/L respectively, both of which were well below the standard value of 10 µg/L in the HKDWS. It indicates that the risk of exceedance of lead content in the drinking water at consumers' taps in Hong Kong is low.
- (d) For nickel, the maximum value and the 95th percentile among all RDT samples were 26 µg/L and 4 µg/L respectively, both of which were well below the standard value of 70 µg/L in the HKDWS. It indicates that the risk of exceedance of nickel content in the drinking water at consumers' taps in Hong Kong is low.

7. Overall, the test results of the water samples showed that contents of the six metals in the drinking water of all premises randomly selected for sampling under the Enhanced Programme in 2020 were all in compliance with the corresponding standard values of the HKDWS.

OBSERVATIONS

8. The level of antimony of all RDT samples collected in 2018, 2019 and 2020 under the Enhanced Programme were all below the reporting limit of <1 µg/L (i.e. low contamination risk from antimony in all the RDT samples). In

⁴ Reporting limit is the lowest level within an analytical method's operation range.

light of the very low risk of exceedance, we will review in due course whether it is necessary to continue the monitoring of antimony at consumers' taps under the Enhanced Programme⁵.

9. The 95th percentiles of cadmium, chromium, copper, lead, and nickel in the RDT samples collected in 2018, 2019 and 2020 were all well below their corresponding standard values in the HKDWS. It indicates that the risk of exceedance of cadmium, chromium, copper, lead and nickel contents in the drinking water at consumers' taps in Hong Kong continues to be low.

PUBLICATION OF STATISTICS OF ANNUAL MONITORING RESULTS

10. The WSD will publish on its website⁶ ("the Webpage") the statistics of the annual monitoring results of the Enhanced Programme in 2020 including:-

- (i) the overall statistics for the whole territory in Hong Kong (as in Table 1 above); and
- (ii) summary tables showing the minimum, maximum and average values of the contents of the six metals in the water samples taken in each DC district under the Enhanced Programme (Appendix I).

11. Apart from the above statistical data, the background of the Enhanced Programme as well as the analyses of the monitoring results as discussed in paragraphs 6 to 7 above will also be provided in the Webpage.

**Development Bureau
Water Supplies Department
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⁵ Although antimony may be excluded from the Enhanced Programme for monitoring at consumers' taps, it will continue to be monitored in the water supply systems of the WSD.

⁶ The website of Enhanced Programme at WSD's website is: -
<https://www.wsd.gov.hk/en/core-businesses/water-quality/action-plan-for-enhancing-of-drinking-water-safety/drinking-water-standards-enhanced-water-quality/index.html>

Enhanced Water Quality Monitoring Programme
Central and Western District
for the Period from 1/1/2020 to 31/12/2020

Monitoring Data of the Random Day Time (RDT) samples taken at Consumers' Taps

Parameter	No. of RDT Samples Tested	Monitoring Data (µg/L)			HKDWS ⁽¹⁾ (µg/L)	Compliance of water quality with HKDWS ⁽²⁾
		Minimum	Maximum	Average		
Antimony	4	<1	<1	<1	20	✓
Cadmium	4	<1	<1	<1	3	✓
Chromium	4	<1	<1	<1	50	✓
Copper	4	10	74	34	2 000	✓
Lead	4	<1	<1	<1	10	✓
Nickel	4	1	3	2	70	✓

Note:

- (1) The Government currently adopts the corresponding guideline values/provisional guideline values in the fourth edition of the World Health Organization's Guidelines for Drinking-water Quality published in 2011 as the Hong Kong Drinking Water Standards ("HKDWS").
- (2) A "✓" indicates compliance of drinking water quality with the HKDWS in all randomly selected premises based on the two-tier water sampling test results of the Enhanced Programme.

Enhanced Water Quality Monitoring Programme
Wan Chai District
for the Period from 1/1/2020 to 31/12/2020

Monitoring Data of the Random Day Time (RDT) samples taken at Consumers' Taps

Parameter	No. of RDT Samples Tested	Monitoring Data (µg/L)			HKDWS ⁽¹⁾ (µg/L)	Compliance of water quality with HKDWS ⁽²⁾
		Minimum	Maximum	Average		
Antimony	2	<1	<1	<1	20	✓
Cadmium	2	<1	<1	<1	3	✓
Chromium	2	<1	<1	<1	50	✓
Copper	2	<3	20	10	2 000	✓
Lead	2	<1	<1	<1	10	✓
Nickel	2	1	2	1	70	✓

Note:

- (1) The Government currently adopts the corresponding guideline values/provisional guideline values in the fourth edition of the World Health Organization's Guidelines for Drinking-water Quality published in 2011 as the Hong Kong Drinking Water Standards ("HKDWS").
- (2) A “✓” indicates compliance of drinking water quality with the HKDWS in all randomly selected premises based on the two-tier water sampling test results of the Enhanced Programme.

Enhanced Water Quality Monitoring Programme
Eastern District
for the Period from 1/1/2020 to 31/12/2020

Monitoring Data of the Random Day Time (RDT) samples taken at Consumers' Taps

Parameter	No. of RDT Samples Tested	Monitoring Data (µg/L)			HKDWS ⁽¹⁾ (µg/L)	Compliance of water quality with HKDWS ⁽²⁾
		Minimum	Maximum	Average		
Antimony	7	<1	<1	<1	20	✓
Cadmium	7	<1	<1	<1	3	✓
Chromium	7	<1	<1	<1	50	✓
Copper	7	<3	110	20	2 000	✓
Lead	7	<1	<1	<1	10	✓
Nickel	7	1	3	2	70	✓

Note:

- (1) The Government currently adopts the corresponding guideline values/provisional guideline values in the fourth edition of the World Health Organization's Guidelines for Drinking-water Quality published in 2011 as the Hong Kong Drinking Water Standards ("HKDWS").
- (2) A “✓” indicates compliance of drinking water quality with the HKDWS in all randomly selected premises based on the two-tier water sampling test results of the Enhanced Programme.

Enhanced Water Quality Monitoring Programme
Southern District
for the Period from 1/1/2020 to 31/12/2020

Monitoring Data of the Random Day Time (RDT) samples taken at Consumers' Taps

Parameter	No. of RDT Samples Tested	Monitoring Data (µg/L)			HKDWS ⁽¹⁾ (µg/L)	Compliance of water quality with HKDWS ⁽²⁾
		Minimum	Maximum	Average		
Antimony	4	<1	<1	<1	20	✓
Cadmium	4	<1	<1	<1	3	✓
Chromium	4	<1	<1	<1	50	✓
Copper	4	10	30	20	2 000	✓
Lead	4	<1	<1	<1	10	✓
Nickel	4	<1	2	1	70	✓

Note:

- (1) The Government currently adopts the corresponding guideline values/provisional guideline values in the fourth edition of the World Health Organization's Guidelines for Drinking-water Quality published in 2011 as the Hong Kong Drinking Water Standards ("HKDWS").
- (2) A “✓” indicates compliance of drinking water quality with the HKDWS in all randomly selected premises based on the two-tier water sampling test results of the Enhanced Programme.

Enhanced Water Quality Monitoring Programme
Yau Tsim Mong District
for the Period from 1/1/2020 to 31/12/2020

Monitoring Data of the Random Day Time (RDT) samples taken at Consumers' Taps

Parameter	No. of RDT Samples Tested	Monitoring Data (µg/L)			HKDWS ⁽¹⁾ (µg/L)	Compliance of water quality with HKDWS ⁽²⁾
		Minimum	Maximum	Average		
Antimony	5	<1	<1	<1	20	✓
Cadmium	5	<1	<1	<1	3	✓
Chromium	5	<1	<1	<1	50	✓
Copper	5	5	36	20	2 000	✓
Lead	5	<1	<1	<1	10	✓
Nickel	5	1	3	2	70	✓

Note:

- (1) The Government currently adopts the corresponding guideline values/provisional guideline values in the fourth edition of the World Health Organization's Guidelines for Drinking-water Quality published in 2011 as the Hong Kong Drinking Water Standards ("HKDWS").
- (2) A “✓” indicates compliance of drinking water quality with the HKDWS in all randomly selected premises based on the two-tier water sampling test results of the Enhanced Programme.

Enhanced Water Quality Monitoring Programme
Sham Shui Po District
for the Period from 1/1/2020 to 31/12/2020

Monitoring Data of the Random Day Time (RDT) samples taken at Consumers' Taps

Parameter	No. of RDT Samples Tested	Monitoring Data (µg/L)			HKDWS ⁽¹⁾ (µg/L)	Compliance of water quality with HKDWS ⁽²⁾
		Minimum	Maximum	Average		
Antimony	5	<1	<1	<1	20	✓
Cadmium	5	<1	<1	<1	3	✓
Chromium	5	<1	<1	<1	50	✓
Copper	5	4	49	20	2 000	✓
Lead	5	<1	<1	<1	10	✓
Nickel	5	1	3	2	70	✓

Note:

- (1) The Government currently adopts the corresponding guideline values/provisional guideline values in the fourth edition of the World Health Organization's Guidelines for Drinking-water Quality published in 2011 as the Hong Kong Drinking Water Standards ("HKDWS").
- (2) A “✓” indicates compliance of drinking water quality with the HKDWS in all randomly selected premises based on the two-tier water sampling test results of the Enhanced Programme.

Enhanced Water Quality Monitoring Programme
Kowloon City District
for the Period from 1/1/2020 to 31/12/2020

Monitoring Data of the Random Day Time (RDT) samples taken at Consumers' Taps

Parameter	No. of RDT Samples Tested	Monitoring Data (µg/L)			HKDWS ⁽¹⁾ (µg/L)	Compliance of water quality with HKDWS ⁽²⁾
		Minimum	Maximum	Average		
Antimony	4	<1	<1	<1	20	✓
Cadmium	4	<1	<1	<1	3	✓
Chromium	4	<1	<1	<1	50	✓
Copper	4	20	34	30	2 000	✓
Lead	4	<1	<1	<1	10	✓
Nickel	4	2	7	3	70	✓

Note:

- (1) The Government currently adopts the corresponding guideline values/provisional guideline values in the fourth edition of the World Health Organization's Guidelines for Drinking-water Quality published in 2011 as the Hong Kong Drinking Water Standards ("HKDWS").
- (2) A “✓” indicates compliance of drinking water quality with the HKDWS in all randomly selected premises based on the two-tier water sampling test results of the Enhanced Programme.

Enhanced Water Quality Monitoring Programme
Wong Tai Sin District
for the Period from 1/1/2020 to 31/12/2020

Monitoring Data of the Random Day Time (RDT) samples taken at Consumers' Taps

Parameter	No. of RDT Samples Tested	Monitoring Data (µg/L)			HKDWS ⁽¹⁾ (µg/L)	Compliance of water quality with HKDWS ⁽²⁾
		Minimum	Maximum	Average		
Antimony	5	<1	<1	<1	20	✓
Cadmium	5	<1	<1	<1	3	✓
Chromium	5	<1	<1	<1	50	✓
Copper	5	<3	53	20	2 000	✓
Lead	5	<1	<1	<1	10	✓
Nickel	5	<1	2	2	70	✓

Note:

- (1) The Government currently adopts the corresponding guideline values/provisional guideline values in the fourth edition of the World Health Organization's Guidelines for Drinking-water Quality published in 2011 as the Hong Kong Drinking Water Standards ("HKDWS").
- (2) A “✓” indicates compliance of drinking water quality with the HKDWS in all randomly selected premises based on the two-tier water sampling test results of the Enhanced Programme.

Enhanced Water Quality Monitoring Programme
Kwun Tong District
for the Period from 1/1/2020 to 31/12/2020

Monitoring Data of the Random Day Time (RDT) samples taken at Consumers' Taps

Parameter	No. of RDT Samples Tested	Monitoring Data (µg/L)			HKDWS ⁽¹⁾ (µg/L)	Compliance of water quality with HKDWS ⁽²⁾
		Minimum	Maximum	Average		
Antimony	8	<1	<1	<1	20	✓
Cadmium	8	<1	<1	<1	3	✓
Chromium	8	<1	<1	<1	50	✓
Copper	8	<3	69	20	2 000	✓
Lead	8	<1	<1	<1	10	✓
Nickel	8	<1	3	1	70	✓

Note:

- (1) The Government currently adopts the corresponding guideline values/provisional guideline values in the fourth edition of the World Health Organization's Guidelines for Drinking-water Quality published in 2011 as the Hong Kong Drinking Water Standards ("HKDWS").
- (2) A “✓” indicates compliance of drinking water quality with the HKDWS in all randomly selected premises based on the two-tier water sampling test results of the Enhanced Programme.

Enhanced Water Quality Monitoring Programme
Kwai Tsing District
for the Period from 1/1/2020 to 31/12/2020

Monitoring Data of the Random Day Time (RDT) samples taken at Consumers' Taps

Parameter	No. of RDT Samples Tested	Monitoring Data (µg/L)			HKDWS ⁽¹⁾ (µg/L)	Compliance of water quality with HKDWS ⁽²⁾
		Minimum	Maximum	Average		
Antimony	7	<1	<1	<1	20	✓
Cadmium	7	<1	<1	<1	3	✓
Chromium	7	<1	<1	<1	50	✓
Copper	7	<3	30	9	2 000	✓
Lead	7	<1	<1	<1	10	✓
Nickel	7	<1	5	2	70	✓

Note:

- (1) The Government currently adopts the corresponding guideline values/provisional guideline values in the fourth edition of the World Health Organization's Guidelines for Drinking-water Quality published in 2011 as the Hong Kong Drinking Water Standards ("HKDWS").
- (2) A “✓” indicates compliance of drinking water quality with the HKDWS in all randomly selected premises based on the two-tier water sampling test results of the Enhanced Programme.

Enhanced Water Quality Monitoring Programme
Tsuen Wan District
for the Period from 1/1/2020 to 31/12/2020

Monitoring Data of the Random Day Time (RDT) samples taken at Consumers' Taps

Parameter	No. of RDT Samples Tested	Monitoring Data (µg/L)			HKDWS ⁽¹⁾ (µg/L)	Compliance of water quality with HKDWS ⁽²⁾
		Minimum	Maximum	Average		
Antimony	6	<1	<1	<1	20	✓
Cadmium	6	<1	<1	<1	3	✓
Chromium	6	<1	<1	<1	50	✓
Copper	6	3	20	10	2 000	✓
Lead	6	<1	1	<1	10	✓
Nickel	6	<1	26	6	70	✓

Note:

- (1) The Government currently adopts the corresponding guideline values/provisional guideline values in the fourth edition of the World Health Organization's Guidelines for Drinking-water Quality published in 2011 as the Hong Kong Drinking Water Standards ("HKDWS").
- (2) A “✓” indicates compliance of drinking water quality with the HKDWS in all randomly selected premises based on the two-tier water sampling test results of the Enhanced Programme.

Enhanced Water Quality Monitoring Programme
Tuen Mun District
for the Period from 1/1/2020 to 31/12/2020

Monitoring Data of the Random Day Time (RDT) samples taken at Consumers' Taps

Parameter	No. of RDT Samples Tested	Monitoring Data (µg/L)			HKDWS ⁽¹⁾ (µg/L)	Compliance of water quality with HKDWS ⁽²⁾
		Minimum	Maximum	Average		
Antimony	5	<1	<1	<1	20	✓
Cadmium	5	<1	<1	<1	3	✓
Chromium	5	<1	<1	<1	50	✓
Copper	5	<3	20	10	2 000	✓
Lead	5	<1	<1	<1	10	✓
Nickel	5	1	2	1	70	✓

Note:

- (1) The Government currently adopts the corresponding guideline values/provisional guideline values in the fourth edition of the World Health Organization's Guidelines for Drinking-water Quality published in 2011 as the Hong Kong Drinking Water Standards ("HKDWS").
- (2) A “✓” indicates compliance of drinking water quality with the HKDWS in all randomly selected premises based on the two-tier water sampling test results of the Enhanced Programme.

Enhanced Water Quality Monitoring Programme
Yuen Long District
for the Period from 1/1/2020 to 31/12/2020

Monitoring Data of the Random Day Time (RDT) samples taken at Consumers' Taps

Parameter	No. of RDT Samples Tested	Monitoring Data (µg/L)			HKDWS ⁽¹⁾ (µg/L)	Compliance of water quality with HKDWS ⁽²⁾
		Minimum	Maximum	Average		
Antimony	10	<1	<1	<1	20	✓
Cadmium	10	<1	<1	<1	3	✓
Chromium	10	<1	<1	<1	50	✓
Copper	10	<3	83	20	2 000	✓
Lead	10	<1	1	<1	10	✓
Nickel	10	1	4	2	70	✓

Note:

- (1) The Government currently adopts the corresponding guideline values/provisional guideline values in the fourth edition of the World Health Organization's Guidelines for Drinking-water Quality published in 2011 as the Hong Kong Drinking Water Standards ("HKDWS").
- (2) A “✓” indicates compliance of drinking water quality with the HKDWS in all randomly selected premises based on the two-tier water sampling test results of the Enhanced Programme.

Enhanced Water Quality Monitoring Programme
North District
for the Period from 1/1/2020 to 31/12/2020

Monitoring Data of the Random Day Time (RDT) samples taken at Consumers' Taps

Parameter	No. of RDT Samples Tested	Monitoring Data (µg/L)			HKDWS ⁽¹⁾ (µg/L)	Compliance of water quality with HKDWS ⁽²⁾
		Minimum	Maximum	Average		
Antimony	6	<1	<1	<1	20	✓
Cadmium	6	<1	<1	<1	3	✓
Chromium	6	<1	<1	<1	50	✓
Copper	6	3	32	20	2 000	✓
Lead	6	<1	<1	<1	10	✓
Nickel	6	1	3	2	70	✓

Note:

- (1) The Government currently adopts the corresponding guideline values/provisional guideline values in the fourth edition of the World Health Organization's Guidelines for Drinking-water Quality published in 2011 as the Hong Kong Drinking Water Standards ("HKDWS").
- (2) A “✓” indicates compliance of drinking water quality with the HKDWS in all randomly selected premises based on the two-tier water sampling test results of the Enhanced Programme.

Enhanced Water Quality Monitoring Programme
Tai Po District
for the Period from 1/1/2020 to 31/12/2020

Monitoring Data of the Random Day Time (RDT) samples taken at Consumers' Taps

Parameter	No. of RDT Samples Tested	Monitoring Data (µg/L)			HKDWS ⁽¹⁾ (µg/L)	Compliance of water quality with HKDWS ⁽²⁾
		Minimum	Maximum	Average		
Antimony	5	<1	<1	<1	20	✓
Cadmium	5	<1	<1	<1	3	✓
Chromium	5	<1	<1	<1	50	✓
Copper	5	<3	10	6	2 000	✓
Lead	5	<1	<1	<1	10	✓
Nickel	5	2	2	2	70	✓

Note:

- (1) The Government currently adopts the corresponding guideline values/provisional guideline values in the fourth edition of the World Health Organization's Guidelines for Drinking-water Quality published in 2011 as the Hong Kong Drinking Water Standards ("HKDWS").
- (2) A “✓” indicates compliance of drinking water quality with the HKDWS in all randomly selected premises based on the two-tier water sampling test results of the Enhanced Programme.

Enhanced Water Quality Monitoring Programme
Sha Tin District
for the Period from 1/1/2020 to 31/12/2020

Monitoring Data of the Random Day Time (RDT) samples taken at Consumers' Taps

Parameter	No. of RDT Samples Tested	Monitoring Data (µg/L)			HKDWS ⁽¹⁾ (µg/L)	Compliance of water quality with HKDWS ⁽²⁾
		Minimum	Maximum	Average		
Antimony	8	<1	<1	<1	20	✓
Cadmium	8	<1	<1	<1	3	✓
Chromium	8	<1	<1	<1	50	✓
Copper	8	<3	30	10	2 000	✓
Lead	8	<1	<1	<1	10	✓
Nickel	8	<1	2	2	70	✓

Note:

- (1) The Government currently adopts the corresponding guideline values/provisional guideline values in the fourth edition of the World Health Organization's Guidelines for Drinking-water Quality published in 2011 as the Hong Kong Drinking Water Standards ("HKDWS").
- (2) A “✓” indicates compliance of drinking water quality with the HKDWS in all randomly selected premises based on the two-tier water sampling test results of the Enhanced Programme.

Enhanced Water Quality Monitoring Programme
Sai Kung District
for the Period from 1/1/2020 to 31/12/2020

Monitoring Data of the Random Day Time (RDT) samples taken at Consumers' Taps

Parameter	No. of RDT Samples Tested	Monitoring Data (µg/L)			HKDWS ⁽¹⁾ (µg/L)	Compliance of water quality with HKDWS ⁽²⁾
		Minimum	Maximum	Average		
Antimony	6	<1	<1	<1	20	✓
Cadmium	6	<1	<1	<1	3	✓
Chromium	6	<1	<1	<1	50	✓
Copper	6	<3	33	9	2 000	✓
Lead	6	<1	<1	<1	10	✓
Nickel	6	1	2	1	70	✓

Note:

- (1) The Government currently adopts the corresponding guideline values/provisional guideline values in the fourth edition of the World Health Organization's Guidelines for Drinking-water Quality published in 2011 as the Hong Kong Drinking Water Standards ("HKDWS").
- (2) A “✓” indicates compliance of drinking water quality with the HKDWS in all randomly selected premises based on the two-tier water sampling test results of the Enhanced Programme.

Enhanced Water Quality Monitoring Programme
Islands District
for the Period from 1/1/2020 to 31/12/2020

Monitoring Data of the Random Day Time (RDT) samples taken at Consumers' Taps

Parameter	No. of RDT Samples Tested	Monitoring Data (µg/L)			HKDWS ⁽¹⁾ (µg/L)	Compliance of water quality with HKDWS ⁽²⁾
		Minimum	Maximum	Average		
Antimony	3	<1	<1	<1	20	✓
Cadmium	3	<1	<1	<1	3	✓
Chromium	3	<1	<1	<1	50	✓
Copper	3	<3	10	7	2 000	✓
Lead	3	<1	<1	<1	10	✓
Nickel	3	<1	16	6	70	✓

Note:

- (1) The Government currently adopts the corresponding guideline values/provisional guideline values in the fourth edition of the World Health Organization's Guidelines for Drinking-water Quality published in 2011 as the Hong Kong Drinking Water Standards ("HKDWS").
- (2) A “✓” indicates compliance of drinking water quality with the HKDWS in all randomly selected premises based on the two-tier water sampling test results of the Enhanced Programme.

Enhanced Water Quality Monitoring Programme
The Whole Territory
for the Period from 1/1/2020 to 31/12/2020

Monitoring Data of the Random Day Time (RDT) samples taken at Consumers' Taps

Parameter	No. of RDT Samples Tested	Monitoring Data (µg/L)			HKDWS ⁽¹⁾ (µg/L)	Compliance of water quality with HKDWS ⁽²⁾
		Minimum	Maximum	Average		
Antimony	100	<1	<1	<1	20	✓
Cadmium	100	<1	<1	<1	3	✓
Chromium	100	<1	<1	<1	50	✓
Copper	100	<3	110	20	2 000	✓
Lead	100	<1	1	<1	10	✓
Nickel	100	<1	26	2	70	✓

Note:

- (1) The Government currently adopts the corresponding guideline values/provisional guideline values in the fourth edition of the World Health Organization's Guidelines for Drinking-water Quality published in 2011 as the Hong Kong Drinking Water Standards ("HKDWS").
- (2) A “✓” indicates compliance of drinking water quality with the HKDWS in all randomly selected premises based on the two-tier water sampling test results of the Enhanced Programme.