



WSD Circular Letter No. 5/2022

Updated Requirements for Commissioning of Fresh Water Plumbing System

INTRODUCTION

In late June 2022, Water Supplies Department (WSD) updated the requirements for the commissioning of fresh water plumbing system under the WSD Circular Letter No. 5/2022, the modifications are based on the previous Circular Letters No 9/2017 (new plumbing works) and No. 10/2017 (plumbing works in occupied buildings/village houses), which apply to the works covered by Form WWO 46 Part IV submitted on or after 30 June 2022.

CHANGES IN ACCEPTANCE CRITERIA

The main changes in WSD Circular Letter No. 5/2022 is the update in the acceptance criteria of pH at 25°C, free chlorine and conductivity at 25°C, below is the summary table with the differences being bolded and compared between the new Circular Letter No. 5/2022 and the previous versions:

Parameter	Acceptance Criteria	
	WSD Circular Letter No. 5/2022 (NEW)	WSD Circular Letter No. 9/2017 & 10/2017
<i>Chemical and Physical</i>		
Turbidity	≤ 3.0 NTU	≤ 3.0 NTU
Colour	≤ 5 Hazen Unit (Colour Unit)	≤ 5 Hazen Unit (Colour Unit)
pH at 25°C	≥ 6.5 and ≤ 9.5	≥ 6.5 and ≤ 9.2
Free Chlorine	≤ 1.5 mg/L	> 0 and ≤ 1.5 mg/L
Conductivity at 25°C	≤ 500 µS/cm	≤ 300 µS/cm
<i>Metals</i>		
Lead	≤ 10 µg/L	≤ 10 µg/L
Chromium	≤ 50 µg/L	≤ 50 µg/L
Nickel	≤ 70 µg/L	≤ 70 µg/L
Cadmium	≤ 3 µg/L	≤ 3 µg/L
Copper	≤ 2000 µg/L	≤ 2000 µg/L
Antimony	≤ 20 µg/L	≤ 20 µg/L
<i>Bacteriological</i>		
Heterotrophic Plate Count (HPC)	≤ 20 cfu/mL	≤ 20 cfu/mL
<i>E. coli</i>	0 cfu/100mL	0 cfu/100mL

REFERENCE:

https://www.wsd.gov.hk/filemanager/article/en/upload/524/Final%20CL%205_2022_Eng_full.pdf

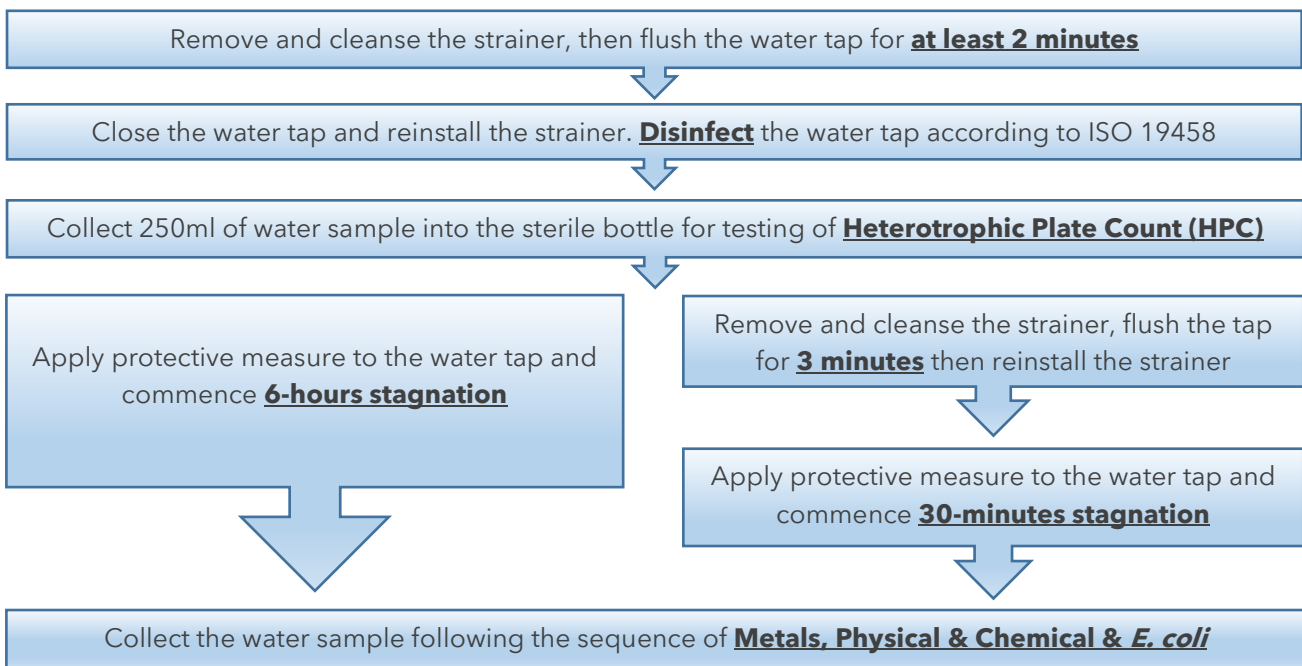


SAMPLING PROCEDURE FOR NEW PLUMBING WORKS AND OCCUPIED BUILDINGS

For the sampling procedure, WSD Circular Letter No. 5/2022 for new plumbing works/unoccupied buildings and occupied buildings/village houses is the same as WSD Circular Letter No. 9/2017 and 10/2017. Below is the sampling sequence under 2 different building types:

Water Sampling and testing workflow of WSD No. 5/2022 (new plumbing works / unoccupied buildings)

Water Sampling and testing workflow of WSD No. 5/2022 (occupied buildings / village houses)



REPORTING AND HOKLAS ACCREDITATION

ALS HK has HOKLAS accredited all testing parameters and committed to follow the requirements from WSD on sampling and reporting, such as having competent person with proper training to conduct the sampling, provide photo records and checklist in the test reports for submitting to WSD.

The report turnaround time for testing fresh water plumbing system is as follows:

Type of service	Turnaround time	Remark
Regular Service	6 calendar days	Without public holidays in between
Express Service	4 calendar days	applicable to sampling <u>on Monday or Tuesday</u> , without public holidays in between

FOR MORE INFORMATION:

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