

Reference No.: NEA-SCD-OM-CIR-ENVHYG-005

Date: 28 November 2022

Dear Sir/ Madam

REMINDER TO SUBMIT QUARTERLY TEST RESULTS TO NEA FOR LICENSABLE AQUATIC FACILITIES

From 31 August 2021, owners of all premises with swimming pools with aerosol-generating (AG) features, water playgrounds (including interactive water fountains) and multi-use spa pools are required to submit the quarterly test results in addition to the monthly test results to the National Environment Agency (NEA) promptly, by the deadline of 14th of following month.

2 Please see **Annex A** for the list of licensable aquatic facilities with AG features which are required to conduct the quarterly tests in addition to the monthly tests.

3 For the quarterly test results, owners/occupiers of the above licensable aquatic facilities are required to submit the water quality test results via GoBusiness (<https://licence1.business.gov.sg/web/frontier/home>) **within the following 3 months after they have obtained their licence**. Illustration of different scenarios of counting the quarterly submission month are included in **Annex B**.

4 A step-by-step user guide for the submission of water quality test results is available in GoBusiness (<https://stq.frontier.gov.sg/web/frontier/help/introduction>) for licensable aquatic facilities.

5 It is an offence not to submit the required laboratory test results at the regulated frequency and the owner will be subjected to a fine not exceeding \$5,000 for the first offence and a fine not exceeding \$10,000 for the second and subsequent offence. Please ensure that you or the Singapore Accreditation Council (SAC) laboratory engaged by you is submitting the test result promptly.

6 Should you require further clarification, please let us know through the feedback form available on the NEA website at <https://www.nea.gov.sg/feedback>, myENV (<https://www.nea.gov.sg/myenv>) or OneService mobile applications.

7 Thank you.

JENNIFER YAP
ASSISTANT DIRECTOR
for DIRECTOR
SANITATION AND COMPLIANCE DIVISION
ENVIRONMENTAL PUBLIC HEALTH OPERATIONS GROUP
NATIONAL ENVIRONMENT AGENCY

THIS IS A COMPUTER-GENERATED LETTER. NO SIGNATURE IS REQUIRED.

Annex A

List of licensable aquatic facilities that requires quarterly test in addition to monthly test.

1. Swimming Pool with AG features

Monthly	Turbidity (NTU) pH – if Chlorine is used pH – if Bromine is used (indoor only) Free Residual Chlorine – if Chlorine is used (ppm) Total Bromine (indoor only) – if Bromine is used (ppm) Heterotrophic Plate Count (cfu/ml) <i>Escherichia coli</i> Count (cfu/100 ml)	≤ 0.5 7.2-7.8 7.2-8.0 1-3 2-4 ≤ 200 < 1
Quarterly	<i>Legionella</i> Bacteria Count (cfu/100 ml)	< 1

2. Water Playground (including interactive water fountain)

Monthly	Turbidity (NTU) pH – if Chlorine is used pH – if Bromine is used (indoor only) Free Residual Chlorine – if Chlorine is used (ppm) Total Bromine (indoor only) – if Bromine is used (ppm) Heterotrophic Plate Count (cfu/ml) <i>Escherichia coli</i> Count (cfu/100 ml)	≤ 0.5 7.2-7.8 7.2-8.0 1-3 2-4 ≤ 200 < 1
Quarterly	<i>Legionella</i> Bacteria Count (cfu/100 ml) <i>Pseudomonas aeruginosa</i> Count (cfu/100 ml)	< 1 < 10

3. Multi-use Spa Pool

Monthly	pH – if Chlorine is used pH – if Bromine is used (indoor only) Free Residual Chlorine – if Chlorine is used (ppm) Total Bromine (indoor only) – if Bromine is used (ppm) Heterotrophic Plate Count (cfu/ml) <i>Escherichia coli</i> Count (cfu/100 ml)	7.2-7.8 7.2-8.0 3-5 4-6 ≤ 200 < 1
Quarterly	<i>Legionella</i> Bacteria Count (cfu/100 ml) <i>Pseudomonas aeruginosa</i> Count (cfu/100 ml)	< 1 < 10

Annex B

Illustration of different scenarios on counting of quarterly submission month

Scenario	Counting of quarterly submission month
1. Upon receiving a new licence that requires quarterly tests	MCST 123 received their new spa pool's licence in May 2022. Within the subsequent three months (i.e. June-July-August), the MCST shall arrange for their quarterly test in August 2022 . Test result for August 2022 must be submitted no later than 14 September 2022 .
2. After amending an existing licence to AF type which requires quarterly tests	MCST 123 submitted an amendment request to change their licence from 'Swimming Pool with no AG feature' to 'Swimming pool with AG features'. The request was approved and the MCST received their newly amended licence in January 2022. Within the subsequent three months (i.e. February-March-April), the MCST shall arrange for their quarterly test in April 2022 . Test result for April 2022 shall be submitted no later than 14 May 2022 .
3. Existing licence which requires quarterly tests	MCST123 conducted a quarterly test in September 2022. Within the subsequent three months (i.e. October-November-December), the MCST shall conduct the next quarterly test in December 2022 . Test result for December 2022 shall be submitted no later than 14 January 2023 .

Note:

1. The test for a particular month shall be conducted within the same month and submit the test result to NEA not later than 14th of the following month
2. The above-mentioned examples show the **minimum required** testing frequency for quarterly test parameters. If circumstances require (e.g. investigation of failed results, optimising the chemical dosing cycle, etc), you may increase the frequency as needed. You do not need to submit these additional test results to NEA unless requested by NEA.