

# Water testing of ballast water treatment systems



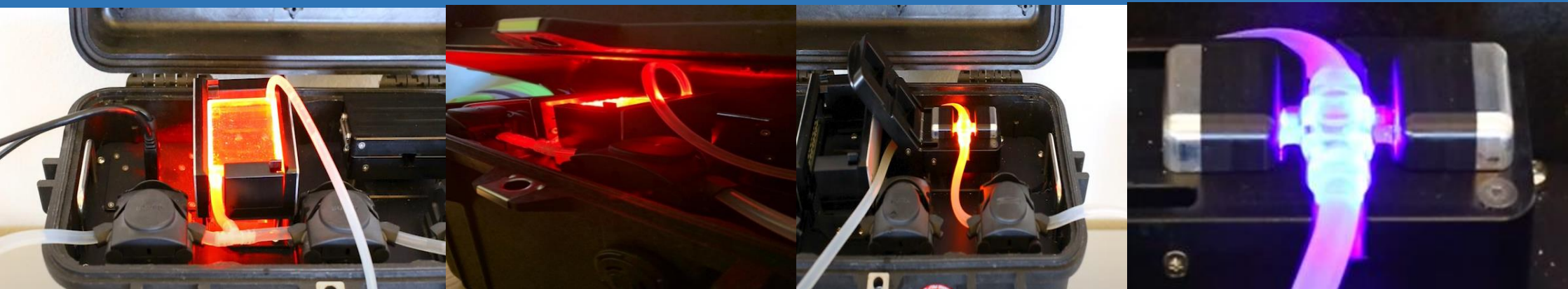


# Commissioning Testing of Ballast Water Treatment Systems

Commissioning testing in accordance with IMO guidance BWM.2/Circ.70/Rev.1 is now mandatory for Ballast Water Management Systems (BWMS`s) installed on newbuilds and existing ships of all flag administrations when the initial BWMS commissioning survey is completed on or after 1 June 2022.

This test is required even if the system has been partially installed and/or commissioned before 1 June 2022. The commissioning test is also mandatory for the additional commissioning survey required after a change, replacement or significant repair of the BWMS necessary to achieve full compliance with the D-2 standard.

Techgarden are approved by DNV, ABS, BV and LR to conduct Biological Commissioning Testing of all Ballast Water Treatment Systems. With use of our portable test equipment, we can do the sampling and analysis onboard. Test results will be ready within hours and report sent directly to Owner and Class Society



# VGP Water Testing of Ballast Water Treatment Systems

Techgarden conduct Vessel General Permit (VGP) water testing of ballast water treatment systems.

Due to our multiple incubators, test results will be ready within 3 days after sampling.

Sampling and testing are done according to ISO standards

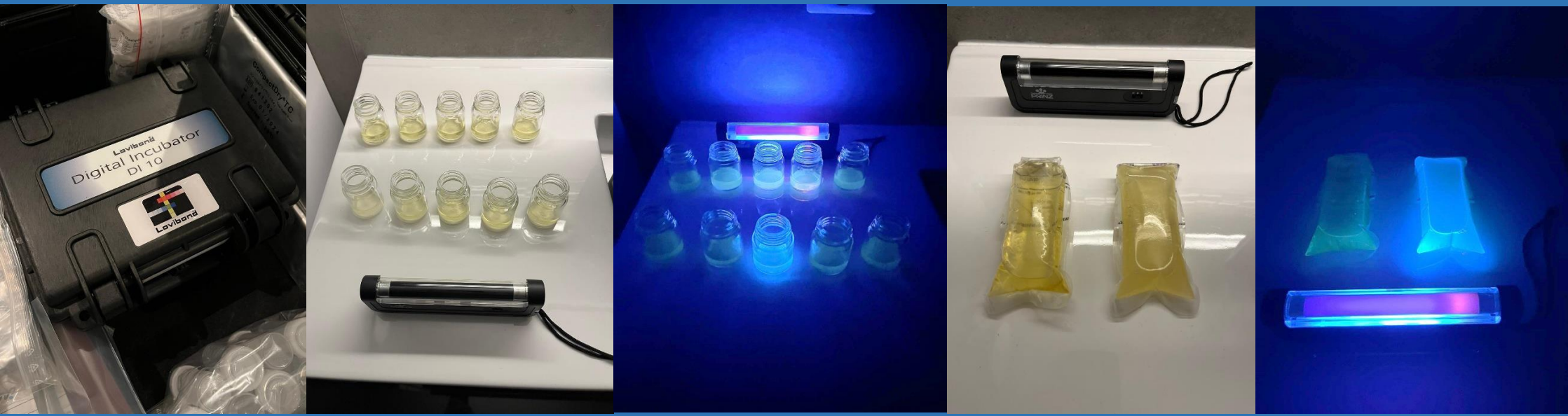
Vessels equipped with BWTS using chemical biocide will need to comply with (a) and (b) below.

Vessels with BWTS not using chemical-based treatment methods need only comply with (a) below.

a) Effluent Biological Organism Monitoring

b) Residual Biocide and Derivative Monitoring

Where applicable, the requirements under (a) and (b) must be conducted two times during the first year after BWTS installation. If the sampling results for (a) are below VGP limits both times, effluent biological organism monitoring can be reduced to once per year in subsequent years. If the sampling results for (b) are below VGP limits both times, residual biocide and derivative monitoring must nevertheless still be performed twice per year in subsequent years. Owners are recommended to take note of this clarification to avoid falling foul of these VGP requirements.





## Contact info:

Techgarden Norway

Telephone: +4741525052

Email: [Techgarden@bwts.no](mailto:Techgarden@bwts.no)

Techgarden Estonia

Telephone: +37255934830

Email: [Techgarden@bwts.no](mailto:Techgarden@bwts.no)

Web: [www.bwts.no](http://www.bwts.no)

