



Independent Technical Testing & Monitoring



Ballast Water Commissioning Testing

Mandatory Biological Testing by sampling of treated ballast water to confirm that a BWMS installed on a ship meets the IMO D-2 discharge standard (BWM.2/Circ.70) is **in full effect June 1st 2022**

Microscopy



Image Analysis & Fluorescence



ATP

Fraction	Unit	ATP Concentration		
		Most Likely Compliant	Signal Close to Limit	Most Likely Not Compliant
> 50 um	pg/m ³	< 150,000	150,000 to 750,000	> 750,000
10-50 um	pg/mL	< 500	500 to 1,500	> 1,500
Bacteria	pg/100 mL	< 1,000	1,000 to 5,000	> 5,000

MRVControl will verify that your BWMS is operated in accordance with performance claims and meet D-2 standards at discharge

Requirement The BWC requires the BWMS in operation to be commissioned for biological efficacy basis the first IOPP renewal survey after September 8th 2019. Systems installed prior to June 1st 2022 are not affected.

Purpose To validate the installation of a BWMS by demonstrating that its mechanical, physical, chemical and biological processes are working properly. Must be completed before the International Ballast Water Management Certificate for D-2 is issued by Class. The commissioning test is performed by an independent test facility that is approved by Class. Ship Managers/DoC holders must contract a test facility like MRVControl for Commissioning testing.



Approved Service Supplier
Cert No AOSS0000HS4

MRVControl AB Sweden

Phone: +46 70 767 10 72
contact@mrvcontrol.eu
www.mrvcontrol.eu

MRVControl provides efficient, cost-effective ballast water sampling and analysis services to ports worldwide to test compliance with the BWM Convention standards. Our global network of expert staff will allow us to rapidly respond to your BWMS needs ranging from ARA to Panama