

Environmental Maritime Regulatory Update



International News

IMO Offers Free BWM and Compliance E-learning Course

The IMO has launched a new online e-learning course for ballast water management, "[Introduction to Ballast Water Management and Compliance Monitoring and Enforcement](#)." The course is free to access and is targeted towards the staff of national Administrations that are responsible for prevention and control of pollution from ships, and particularly those that will enforce the IMO's Ballast Water Management Convention.

74th Session IMO Technical Committee Meeting Summary

The IMO's Technical Cooperation Committee held its 74th session from 24 – 28 June 2024. A few of the topics discussed included global maritime training institutions, progress on the IMO Capacity-Development Strategy, expansion of IMO regional presence, and financial contributions to Technical Cooperation. Read the meeting summary [HERE](#).

DNV Updates Rules for Classification of Ships and Offshore Structures

Classification society [DNV has published updates to its rules for classification of ships and offshore structures](#). The rule updates create new in-operation class notations that enable owners and operators to highlight how they are integrating procedures and innovations for greater operational safety and efficiency. Highlights of the updated rules are the inclusion of class notations for onboard carbon capture systems and hydrogen fueled newbuildings. The new rules will enter into force on 1 January 2025.

BIMCO Published Joint Policy Statement on CII Regulations

The current CII metric penalizes efficiently-operated ships carrying cargo and favors empty ones. Time spent at ports, often beyond the ship's control, also leads to unfair penalties. BIMCO published a [joint policy statement](#) together with CLIA, ICS, INTERCARGO, InterManager and INTERTANKO asking for the IMO's review.

IMO Chooses 2025 World Maritime Day Theme

"[Our Ocean - Our Obligation - Our Opportunity](#)" has been selected as the IMO's World Maritime Day theme for 2025. Protecting the ocean is central to the theme and will culminate in the celebration of World Maritime Day on 25 September 2025. The theme reflects the ocean's vital role in the world economy, with more than 80% of global trade transported by sea.

United States News

US Federal Maritime Commission Initiated Investigation of Canada BWM Policies in Great Lakes

May 2024, the US Federal Maritime Commission initiated an investigation into conditions created by the Canadian Government for ballast water management that have the potential to adversely impact the operations of US carriers in the US / Canadian Great Lakes. The commenting period closed on 21 June 2024, with 18 comments submitted. Details can be reviewed [HERE](#) and comments submitted can be read [HERE](#).

ABS Releases Latest Sustainability Outlook Series

ABS released "[Beyond the Horizon: Carbon Neutral Fuel Pathways and Transformational Technologies](#)," the latest in the ABS Sustainability Outlook series. This edition dives into carbon-neutral fuel pathways and the maritime ecosystem's capacity. This year's Outlook analyzes the existing fleet and orderbook and addresses the capacity of the maritime ecosystem, including ship repair yard capacity, demand for retrofits and shipbuilding yard capacity, in addition to engine manufacturing capacity.

USCG BWMS Type Approvals

Ballast Water Management System Type Approvals – the USCG has not issued new type approvals since October 2023. There are currently seven (7) applications under review for amendments to existing type approvals. Type Approval Certificates for all USCG approved BWMS are available [HERE](#).

Other

BEMA Updates Vision with New Name and Strategy

An official name change has occurred for BEMA. Formerly the Ballastwater Equipment Manufacturers' Association, the non-profit industry association has changed its name to the Ballastwater & Environmental Manufacturers' Association (BEMA, www.bwema.org). This name change supports their long-term vision to expand to represent other sectors that support the environmental sustainability in the global shipping industry. The first area of expansion for BEMA is into biofouling management. At this early stage of regulatory development for biofouling management, it is important for technical information to be available and actively contribute into the process. This will help ensure that guidance and regulations get developed to include all available technologies, have realistic expectations, and that ship owners have a variety of options available to meet their operational needs.

Training in BWMS of Member of Paris MoU by BEMA

In June 2024, the Ballastwater & Environmental Manufacturers' Association (BEMA) participated in a training seminar hosted by the Paris MoU. There were approximately 40 inspectors from various countries in attendance, plus a representative from the Tokyo MoU. As the Paris MoU and its Members prepare for the 2025 Concentrated Inspection Campaign (CIC) for ballast water, BEMA was requested to provide technical details about BWMS, their operation, maintenance requirements, and how to conduct onboard inspections to determine compliance with the IMO BWM Convention. In addition to learning about BWMS, the inspectors were presented with information about the Compliance Monitoring Devices (CMDs) available from BEMA Members and how they could be integrated into onboard compliance inspections and testing of ballast water discharges. Industry should position itself to be ready for the Regulation D-2 implementation date of 8 September 2024, as more emphasis is being placed on compliance inspections and enforcement as this date approaches.

Please contact Ecochlor at sales@ecochlor.com to learn how the Ecochlor® BWMS can help your vessels achieve and maintain compliance with international ballast water regulations.

This information is provided by Ecochlor as a courtesy and all regulatory requirements must be verified by the vessel



EcoOne® Container BWMS for the Offshore Market



Ecochlor's EcoOne® Container Unit was designed specifically for the offshore market. This ballast water management system offers unrivalled treatment efficiency combining ease of installation and use for operators of semi-submersible rigs, jack-up rigs, drillships, FPSOs, and FSRUs.

Key features of the Container Unit:

- Serves up to four separate sea chests or quadrants with a single system. Eliminates the need to purchase multiple BWMSs for each rig or vessel.
- A single unit can be shared between multiple rigs, maximizing the investment.
- Very low power consumption.
- Minimal retrofit requirements. Filters are not required, saving time and money.
- No requirement to re-treat or neutralize at discharge allowing for gravity ballasting on both uptake and discharge.
- Compact footprint. Can be removed while the MODU is stationary.

Ready to optimize your ballast water treatment? Contact Ecochlor today for a personalized consultation at sales@ecochlor.com.



Explore Sinotech's new FAQ flyer for quick answers to all your questions

Sinotech is a leader in Carbon Capture and Storage (CCS) solutions, combining flexibility and affordability to meet diverse industry needs. This cutting-edge technology features low temperature amine stripping and efficient energy recovery, resulting in minimal energy demand per ton of captured CO2. With over 20 years of proven land-based CO2 technology and Approval in Principles (AIPs) from maritime class societies like LR, BV, and NK, Sinotech ensures reliability and efficiency. Sinotech offers customizable CCS options, including scrubber-only and integrated systems. Their commitment to sustainability is reflected in our amine recycling process, reducing operational footprints and simplifying CO2 storage. Download the Sinotech FAQ [HERE](#).

Armada Technologies, Sinotech and NanoVapor are affiliates of the Ecochlor "Green" Marine Technologies Group offering maritime sustainability through energy-efficient, effective, eco-friendly maritime technologies.



Armada Technologies Shortlisted for Start-Up of the Year Award



Armada Technologies has been shortlisted for "Start-Up of the Year" with Marine Propulsion's Decarbonisation Awards. These awards celebrate the best innovations and practices in sustainable marine propulsion. With the global maritime industry increasingly focusing on long-term environmental responsibility and resilience, these awards highlight the trailblazing technologies and solutions propelling the sector towards a greener future.

Armada Needs Your Support!

Voting is now open, and the Armada Team would be truly honored to have your vote. How to vote:
1. Visit the [Marine Propulsion Decarbonisation Awards 2024](#) voting page.
2. Find "Armada Technologies" under the "START-UP OF THE YEAR" category.
3. You can submit your vote DAILY before the deadline on 17 September 2024.

Our commitment to sustainability and innovation has driven us to develop a passive air lubrication system that significantly reduces carbon emissions, enhances energy efficiency, and promotes cleaner oceans.



Read about NanoVapor's four case studies

NanoVapor revolutionizes fuel and cargo tank maintenance using nano-engineered suppressants. This advanced system stops vapor formation at its source, creating a gas-free environment faster and safer than traditional methods.

With this technology, there's no need to drain fuel, significantly reducing downtime and operational costs. Workers benefit from maintained oxygen levels, minimizing asphyxiation risks. Plus, the NanoVapor process leaves no harmful residue, ensuring compliance with stringent environmental regulations.

Download the NanoVapor case studies [HERE](#).

Ecochlor's Published Articles

Steering through Blue Waters with a Greener Compass: Innovations in CCS

Faced with increasing environmental regulations and global trade realities, the marine industry must adapt to new technologies. Carbon Capture and Storage (CCS) has emerged as a critical solution for reducing emissions at sea. This article discusses the essential attributes of effective maritime CCS applications, focusing on Sinotech's adaptable and high-performing solutions. It highlights the Victoria Steamship Company's successful implementation of Sinotech's CCS on their vessel, the ALKIMOS, demonstrating how they achieved their environmental and operational goals. This case study underscores the importance of selecting the right CCS system to meet both regulatory requirements and practical maritime needs.

[Article Link](#)

Steering through Blue Waters with a Greener Compass: Innovations in Carbon Capture & Storage



Challenging Waters: Overcoming Hurdles in Ballast Water Management

At the IMO MEPC 81st session, a key topic was the challenges faced by ships operating in areas with "challenging water quality." These ports present unique obstacles due to high levels of suspended solids, turbidity, and other factors, significantly impacting the performance of Ballast Water Management Systems (BWMS). Operators have reported filtration issues and reduced treatment effectiveness, particularly for UV-based BWMS. Addressing these challenges is crucial for maritime safety and environmental protection.

[Article Link](#)

MEPC and challenging waters



Decarbonization: Actions for a Greener Future in Shipping

The article discusses decarbonization in the maritime industry, focusing on three energy-efficient solutions that can cut greenhouse gas (GHG) emissions by over 40%. It explores the challenges faced by shipowners in implementing MARPOL VI regulations, EU ETS policies, and adjusting to the Carbon Intensity Indicator (CII) ranking. Innovative technologies, once considered unattainable, now offer concrete ways to reduce emissions while maintaining economic viability, emphasizing that collaboration and multiple technologies are key to true shipping efficiency.

[Article Link](#)

Decarbonization: Actions for a Greener Future in Shipping



Upcoming Conferences



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