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Latest News



International News

Revised List of Special Areas and ECAs

The revised list of Special Areas, Emission Control Areas (ECAs) and Particularly Sensitive Sea Areas (PSSAs) under MARPOL was published in [MEPC.1/Circ.778/Rev.4](#) by the IMO on 30 October 2023. Annex 1 of the circular contains a list of the Special Areas and ECAs, and Annex 2 of the circular lists the PSSAs).

Report of Fuel Oil Consumption Data

The [Report of fuel oil consumption data submitted to the IMO Ship Fuel Oil Consumption Database in GISIS](#) for 2022 was published by the IMO on 9 October 2023. In support of reaching goals for the energy efficiency of ships, the report contains comprehensive data and analysis of ship fuel consumption data that has been submitted to the IMO.

Drought at Panama Canal Cuts Ship Crossings

Drought conditions in the Panama Canal will result in further cuts to ship crossings. As of early November 2023, only 25 vessels per day are allowed to cross the canal. In February 2024, this will reduce gradually to only 18 vessels allowed to cross per day. The canal's reduced capacity can mean longer waiting times, with delays of 2 – 3 days being experienced. The draft limit has also been reduced by the Panama Canal Authority from 50 feet to 44 feet, which can significantly decrease the amount of cargo a vessel can carry through the canal. More details, as well as other articles can be found [HERE](#).

United States News

EPA 'Supplemental Notice of Proposed Rulemaking' Update

As reported previously, the EPA's 'Supplemental notice of proposed rulemaking' was [published in the Federal Register](#) on 18 October 2023. The Supplemental notice presents BWMS type approval data that the EPA has received since the publication of the proposed Vessel Incidental Discharge Act (VIDA) regulations in October 2020, as well as regulatory options that the EPA is considering for the final VIDA regulations based on the public comments received.

The EPA recently held two public meetings (8 and 16 November 2023) to review details of the Supplemental Notice and answer questions from the public. The Supplemental Notice focuses on three specific areas of regulatory standards:

- ballast tanks: inclusion of best management practices (BMPs) during uptake as part of a vessel's ballast water management plan and a proposed equipment standard for "New Lakers", vs. the originally proposed exemption for all Lakers from the numeric ballast water discharge standard.

- **graywater systems:** changes the originally proposed prohibition of all graywater discharges from certain vessels that does not meet the numeric discharge standard, to allowing graywater discharges that meet the numeric discharge standard to vessels that carry 15 or more persons and that provide overnight accommodations.
- **hulls and associated niche areas:** clarifies the EPA's interpretation of "discharge incidental to the normal operation of a vessel" and its applicability to active or passive discharge of biofouling organisms from vessel equipment / systems; addresses management to minimize macrofouling, damage to anti-fouling coatings during cleaning and minimizing biocide release; specifies that in-water cleaning of macrofouling *without* capture would be prohibited and in-water cleaning *with* capture would be excluded from VIDA.

The EPA's public meeting presentation can be downloaded [HERE](#)

The EPA is soliciting public comments on the Supplemental notice, which must be received by **18 December 2023**.

ABS Released "Regulatory Trends and Impact: 2023"

ABS has recently published a comprehensive report titled "Regulatory Trends and Impact: 2023," providing insights into the latest advancements in the maritime industry. The report focuses on significant subjects including safety, efficiency, and technological leadership, which are currently being deliberated upon at the International Maritime Organization. Staying well-informed about these regulatory changes aids businesses in maintaining compliance and ensuring uninterrupted vessel operations. For a more detailed understanding of the latest trends in the maritime regulatory landscape, we encourage you to read the complete report <https://ww2.eagle.org/content/dam/eagle/publications/whitepapers/regulatory-trends-2023-spreads.pdf>

USCG BWMS Type Approvals

Ballast Water Treatment System Type Approvals – the USCG has issued type approval to the following BWMSs:

- [ARA Plus+ BWMS](#) manufactured by Samkun Century Co., LTD (52nd USCG BWMS Type Approval)
- [EcoGuardian NF BWMS](#) manufactured by HANLA IMS Co., LTD (53rd USCG BWMS Type Approval)

There are currently ten (10) applications under review, either for new type approval or amendments to existing type approvals. The USCG maintains a [list of approved systems and those under review](#) for type approval. Type Approval Certificates for all USCG approved BWMS are available [HERE](#).

Fifth National Climate Assessment Released to the Public

The Fifth National Climate Assessment (NCA5), released by the Biden-Harris Administration and US Global Change Research Program (USGCRP), highlights the impacts of climate change and extreme weather in the United States. This report emphasizes the importance of reducing greenhouse gas emissions and implementing adaptation measures to protect lives, property, and well-being. President Biden has announced over \$6 billion in funding to enhance community resilience to climate change. NOAA Administrator Rick Spinrad underscores the significance of the report's science-based findings and the need for mitigation and adaptation efforts. The report also emphasizes the adverse effects of climate change on health. Taking immediate action can reduce risks for present and future generations. To access the full report and find other background information, please visit the [USGCRP website](#). To read about some of the NOAA lead authors, see story, [Meet 5 NOAA lead authors of the Fifth National Climate Assessment](#).

Other News

'Pathway to Net Zero Emissions' Report Available from DNV

DNV's PATHWAY TO NET ZERO EMISSIONS is a report analyzing a plausible, yet challenging pathway to achieve net zero emissions by 2050, limiting global warming to 1.5°C. This blueprint considers technical and political feasibility, as well as mainstream economic growth forecasts. Although there may be challenges in reaching the target, every degree of warming matters. Download the report at <https://www.dnv.com/energy-transition-outlook/index.html>

Global CCS Institute Release Status Report on CCS

The Global CCS Institute released the Global Status of Carbon Capture and Storage Report, documenting milestones, opportunities, and challenges of this emissions reduction technology. It aims to inform and accelerate deployment for meeting climate targets. Governments, policymakers, academics, media, and individuals concerned about climate change are encouraged to read and use this report. The Global CCS Institute, a leading CCS think tank, strives to accelerate global CCS deployment for climate neutrality with over 200 international members. <https://www.globalccsinstitute.com/>

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® 'Green Marine' Technologies

Armada Technologies, Sinotech and NanoVapor are affiliates of the EcoOne® 'Green Marine' Technologies portfolio in energy efficient, innovative, environmentally-friendly maritime technologies.



SINOTECH

Ecochlor Announces LOI with Diana Shipping and Sinotech

Ecochlor, Inc. is proud to announce a Letter of Intent (LOI) agreement with global provider of shipping transportation services, [Diana Shipping](#) (Diana), and carbon capture and storage (CCS) specialist, [Sinotech CCS Co., Ltd](#) (Sinotech). Ecochlor, serving as the global sales representation for Sinotech, successfully negotiated the collaboration with Diana through Mr. Panos Smyroglou, Ecochlor's VP of Sales & Marketing. The LOI includes the installation of a Sinotech scrubber and CCS system onboard one of Diana's capesize bulk carriers, the MV G.P. Zafirakis. This system is designed to capture 25% of the CO2 emitted within the exhaust gas and temporarily storing it onboard in liquified form (LCO2). Sinotech will provide the expertise for a full feasibility study, engineering and overall turn-key package for the installation, crew training as well as full support towards type approval certification of the installed system by vessel's administration. Sinotech will also handle the offloading and disposal of the captured CO2 in China. Click [HERE](#) to learn more.



If shipowners are looking to become more energy efficient, changing to energy-efficient light bulbs just isn't enough. Have you considered installing a low powered Ballast Water Management System (BWMS)? By doing so, you can reduce your carbon footprint and use less ship-to-shore power! Ecochlor is a top-choice as a highly effective, low-powered, easy-to-use BWMS provider that has made a significant impact on the

industry. Plus, our global responsive service team is always ready to assist you with any problems that may arise. Retrofit or re-retrofit a Ecochlor BWMS today and start reaping the benefits of a more efficient and sustainable vessel. www.ecochlor.com



Armada's 'passive air lubrication system' (PALS) utilizes the ship's forward motion to draw air from the deck, creating an air: water mixture. Blowers and small water pumps can help in sub-optimal conditions (high sea states). The PALS system consumes significantly less power without the need for continuous-running compressors. It features a performance control system with machine learning for improved bubble control. PALS operates effectively in various conditions (i.e., speed, draft, weather) without cavity-based issues. The active air injection mechanism enables precise bubble production control based on the ship type and operating condition. www.armada-technologies.com



Addressing the Critical Danger of Enclosed Space Entry in the Shipping Industry

The shipping industry is addressing the critical danger of enclosed space entry, which leads to numerous fatalities each year. The IMO CCC9 has approved a work package to minimize deaths related to enclosed spaces, supported by IMarEST. The HEIG is working on a proposal to address time pressure. They have released three guides on time pressure in the maritime industry, providing valuable resources for professionals. As part of the solution, Ecochlor has introduced NanoVapor to the maritime industry an innovative, environmentally friendly fuel and cargo tank gas-freeing process, reducing time by 90% and offering increased safety for the crew. Read the entire blog post at <https://ecochlor.com/addressing-the-critical-danger-of-enclosed-space-entry-in-the-shipping-industry/>

Free "Lunch & Learn" Training on Decarbonization Options for Shipowners

Investing now in energy-efficient technologies pays big dividends down the road! Learn more about how you can achieve your emission reduction goals by scheduling a "lunch & learn" workshop either virtually or in your office on, "Energy Efficient Ships: A Vital Component to Achieving Maritime Net Zero Emissions". Contact us [HERE](#) to schedule a workshop.

Ecochlor in the News



[NAFSgreen World Shipping News](#)

September/October Issue

Ballast Water Management: A Key Piece in your MARPOL VI Compliance Puzzle

Author: Andrew Marshall, CEO

"...It has been said that within the next decade as much as 40% of shipowners expect to change their BWMS at some point during their vessels' life cycle. Nevertheless, there is good news. Solutions exist that can help ship owners fulfil their BWMS compliance requirements whilst simultaneously improving vessel efficiency and reducing emissions. A super low powered BWMS can be the center of a package that includes technologies that optimize vessel performance, increase energy efficiency and lower environmental impacts." Click [HERE](#) to read the complete article.

[NAFSgreen World Shipping News](#)

September/October Issue

Title: *The Right Solutions for Your Energy Efficiency and Carbon Reduction Targets*

Author: Sören Scheid, Ecochlor Business Development Manager, Brand Manager - Green Technologies

"Save the environment or stay competitive? This is the difficult choice that is looming on the horizon for ship owners. As regulations intended to protect the environment become increasingly challenging, executives are often faced with a difficult decision: How can they ensure their ships remain competitive in today's market whilst also reducing emissions?" Click [HERE](#) to read the complete article.

Upcoming Webinars, Exhibits and Conferences



[Maritech China](#)

Shanghai, China

Dates: 5 – 8 December 2023

To schedule a meeting with one of our attending representatives contact:

Panos Smyroglou, VP Sales & Marketing: panos.smyroglou@ecochlor.com

Karan Szeto, Regional Business Development Manager: karan.szeto@ecochlor.com

Ecochlor, Inc.

285 State Street, Suite 8

North Haven, CT 06473 USA

sales@ecochlor.com

Contact Us



Ecochlor | 285 State Street, Suite 8, North Haven, MA 06473

[Unsubscribe kathie.clark@ecochlor.com](mailto:kathie.clark@ecochlor.com)

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