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Maritime Environmental Regulatory Updates



Thank you for
joining us at
**SMM Ecochlor
Stand A1.327!**

See you in 2024!



The Ecochlor Team and our Marine Technology Partners - [Armada Technologies](#), [NanoVapor](#), [Sinotech](#) and [Bio-Sea UV](#) - would like to thank everyone who visited our stand at SMM. It was a pleasure to meet with you and we look forward to seeing you at our SMM Exhibition Stand A1.327 in 2024!

International News

Marine Guidance Notice from UK Maritime & Coastguard Agency

The United Kingdom's Maritime & Coastguard Agency (UK MCA) has [published Marine Guidance Notice \(MGN\) 675](#) to provide guidance to stakeholders for the Merchant Shipping (Control and Management of Ship's Ballast Water and Sediments) Regulations 2022. By these regulations, which entered into force on 29 July 2022, the UK has implemented the IMO's Ballast Water Management Convention. An associated [Merchant Shipping Notice \(MSN\) 1908](#) also provides information on the new regulations.

IMO Seeks Pilot Companies for Underwater Noise Project

IMO is seeking Lead Pilot Countries (LPCs) to participate in the upcoming GloNoise Partnership project, which aims to address the issue of underwater noise from shipping. The project is currently in a preparatory phase and is expected to launch in mid-2023, subject to approval and funding by the United Nations Development Programme (UNDP) and the Global Environment Facility (GEF). The GloNoise Partnership will focus on building capacity in developing countries to implement the 'Guidelines for the reduction of underwater noise from commercial shipping to address adverse impacts on marine life' ([MEPC.1-Circ.833](#) 2014). Click [HERE](#) to learn more.

EU Sanctions against Russia

The European Union has issued an amended [Circular 07/22: Sanctions – The European Union's 6th Sanctions Package – EU Regulation 833/2014](#) which includes revisions to the sanctions against Russia. This circular is only a

summary that focuses on the sanctions that impact the transport and insurance of oil and petroleum products, and prohibition on transactions with Russian state-owned enterprises that are subject to the restrictions of Article 5aa.

Paris Port State Control Annual Report

The Paris MoU Annual Report for 2021 was published on 1 July 2022. This comprehensive report on Port State Control presents statistics and covers a variety of topics such as how COVID-19 is still impacting the industry, deficiencies and detentions, performance of Recognized Organizations, and a "White, Grey and Black List". The Press Release and the Annual Report can be found [HERE](#).

United Nations High Seas Treaty

The United Nations is continuing work on the [High Seas Treaty](#), an agreement under the UN Convention on the Law of the Sea that will aim to conserve and protect marine resources in areas beyond national jurisdiction. Currently, the 5th session is convening from 15 – 26 August. The Maritime Executive has also published [a report on this development](#) that provides additional perspective.

IACS Adopts New Requirements on Cyber Safety

Recognizing that cyber incidents on vessels can have a direct and detrimental impact on life, property, and the environment, IACS has steadily increased its focus on the reliability and functional effectiveness of onboard, safety-critical, computer-based systems. Click [HERE](#) to read more.

United States News

Amendments to MARPOL Annex VI Chapter 4 is Entering in to Force November 1, 2022

IMO adopted [Chapter 4 of MARPOL Annex VI](#). Important amendments to Chapter 4 of MARPOL Annex VI, concerning energy efficiency of existing ships and carbon intensity of international shipping, were most recently adopted and will enter into force on November 1, 2022. These amendments focus on goal-based technical and operational measures to reduce the operational carbon intensity of certain international shipping vessels. The Coast Guard is working on amending the Code of Federal Regulations to implement the provisions of MARPOL Annex VI. This proposed rule will clarify the application of Annex VI regulations, identify how the United States is exercising discretionary provisions of Annex VI, and specify procedures and criteria, as necessary, to address any gaps in the current U.S. regulatory framework for Annex VI. To view the Unified Agenda, click [HERE](#) and select the Department of Homeland Security as the agency.

Recent BWMS USCG Type Approvals

The U.S. Coast Guard [Marine Safety Center](#) issued the 49th BWMS Type Approval Certificate to Langh Tech Oy AB after a detailed review of the manufacturer's type approval application determined that the system meets the requirements of 46 CFR 162.060. The treatment principle of the LanghBW BWMS is based on filtration and UV treatment at intake and UV treatment at discharge with the option of UV treatment during intake only for salinities greater than 28 PSU. This approval covers two models with maximum treatment rated capacities of 300 and 600 m3/h. A complete list of BWMSs that have been approved or have type approval applications currently under review can be found on the Marine Safety Center [webpage](#).

United States Congress Prepares Report on Fifty Years of the Clean Water Act

In a report prepared for the Committee on Transportation and Infrastructure Subcommittee on Water Resources and Environment for the U.S. House of Representatives, the Congressional Research Service issued a [report regarding a history of the Clean Water Act](#) and its development and impact over the fifty years since it was enacted.

President Biden Signs Ocean Shipping Reform Act of 2022

On 16 June 2022, [President Biden signed into law](#) the [Ocean Shipping Reform Act of 2022](#), which amends title 46, United States Code. The Act aims to level the playing field for American exporters and importers by giving the Federal Maritime Commission (FMC) ability to improve oversight for international ocean carriers.

California Signs Legislation Cutting Harmful Plastic Pollution to Protect Communities, Oceans and Animals

New California law requires all packaging to be recyclable or compostable, significantly cutting plastics use. Click [HERE](#) to learn more.

Other Maritime News

BEMA has a Position Paper for USCG Final Policy Letter Regarding Testing Methods for BWMS

BEMA has published a Position Statement regarding the USCG's Final Policy Letter CG-OES 02-22, Type Approval Testing Methods for Ballast Water Management Systems (BWMS) that Render Organisms Nonviable in Ballast Water. The Paper is posted on [BEMA's website](#).

Memorandum of Understanding Signed by Ecochlor and SINOTECH

The recent signing of a Strategic Cooperation Framework Agreement, in the form of a Memorandum of Understanding (MoU), has formalized the alliance between Ecochlor, Inc. (USA) and SINOTECH, CCS Co., LTD (China) in sales, marketing, after-sales support and technical assistance in engineering for the SINOTECH carbon capture and storage (CCS) unit. CCS is the process of capturing and storing CO₂ before it is released into the atmosphere. This technology can capture up to 90% of the CO₂ released by fossil fuels and is a useful tool helping shipowners to meet the increasingly strict limits on greenhouse gas emissions from ships. Click [HERE](#) to learn more.

Ecochlor Launches "EcoOne Container Unit" for Offshore Market

Ecochlor is pleased to launch a containerized version of the EcoOne® filterless ballast water management system (BWMS). The EcoOne® Container Unit is well suited for Semi-Submersible Rigs, Jack-Up Rigs, Drillships, FPSOs, FSRUs and other vessels with infrequent ballasting operations at medium to high flow rates. One system can simultaneously serve up to four separate sea chests or quadrants, in the case of the semi-submersible rigs. It also allows for gravity ballasting on uptake and discharge, and has very low power requirements. Plus, a single unit can be easily shared between multiple rigs and/or vessels. Click [HERE](#) to learn more.

Ecochlor Expands Innovative "Green Marine" Offerings with Armada Technologies Agreement

Ecochlor, Inc. is pleased to announce the signing of a Collaborative Agreement with Armada Technologies, LLC. As part of the Agreement, Ecochlor will provide Armada with technical assistance and global sales and marketing support. The system is more advanced than any other hull lubrication technology on the market today. Armada utilizes the ship's own forward motion to help drive the system. An eductor is used to draw air in whilst a series of micro bubble emitters distribute the bubble swarm under the ship; this significantly reduces drag, offering clear and immediate benefits to any shipowner looking to reduce emissions on their ships. Click [HERE](#) to learn more.

EVERY ACTION COUNTS: Ecochlor will team up with NAMEPA, Ocean Conservancy and other global Maritime Associations for a beach clean up on World Maritime Day 29th of September

Please join our global Ecochlor Team as we plan our first International Beach Clean-up. We will partner with The North American Marine Environment Protection Association (NAMEPA) and the Ocean Conservancy to create Teams around the world. Currently, we have Ecochlor Teams in the USA, South Korea, Japan, Germany, United Kingdom, the Netherlands and Spain.

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



Safety4Sea Interview

90 SECONDS WITH ECOCHLOR CEO ANDREW MARSHALL: Does Ecochlor have any new projects / plans that you would like to share with industry stakeholders?

Ecochlor in the News



Ballast Water Treatment Technology

Summer 2022

Ballast water systems: what shipowners really want

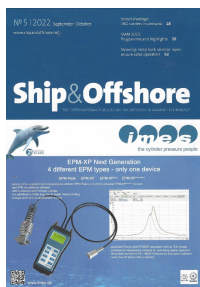
Not all ballast water treatment systems are the same and design limitations can have a big impact on the efficiency of the system

Article: Click [HERE](#) to read the full article.

How ballast water system manufacturers must react to survive

Andrew Marshall, CEO of Ecochlor, looks at the issues facing the ballast water industry and what needs to be done to ensure sustainability.

Article: Click [HERE](#) to read the full article



Ship & Offshore

September / October 2022

Installing and servicing BWMSs in difficult times

The shipping industry has been struck by widespread disruptions due to the pandemic, travel restrictions, sanctions, crew shortages as well as shipyard and manufacturing closures. Executives at US-based Ecochlor tell what it has taken over the past two-and-a-half years to continue providing customers with the level of service they have come to expect when installing and maintaining BWMS.

Article: Click [HERE](#) to read the full article



GreenTech Annual Edition

Annual Guide 2022

Multi-course plan needed for decarbonisation

Energy efficiency is a critical component of decarbonisation and with increased regulations shipowners should be implementing a multi-course plan of action to reduce emissions drastically by 2025.

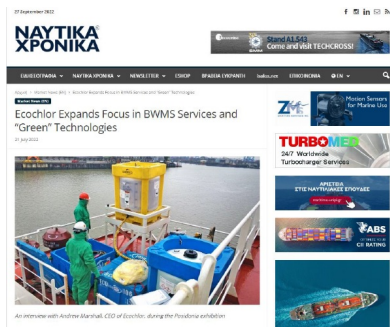
Article: Click [HERE](#) to read the full article



Day 3 September 2022

Ecochlor and Sinotech announce new alliance

Article: Click [HERE](#) to read the full article.



Naftika Chronika

September 2022

Ecochlor Expands Focus in BWMS Services and “Green” Technologies

An interview with Andrew Marshall, CEO of Ecochlor, during the Posidonia exhibition

Article: Click [HERE](#) to read the full article.



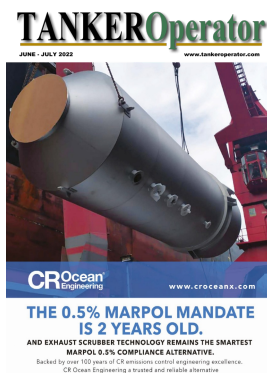
Maritime Reporter

August 2022

Ecochlor’s Reliable Filterless BWMS Fills Marketplace Void for Shipowners

Panos Smyroglou, VP of Sales & Marketing, explores the reason most ballast water management systems (BWMSs) use filters . . . if they could treat ballast water without a filter, then they would!

Article: Click [HERE](#) to read the full article.



Tanker Operator

July 2022

Getting the right BWMS is crucial

Some shipping companies have installed BWMS which turned out not to be fit for purpose says Andrew Marshall CEO of Ecochlor. And there may be a need for ‘contingency’ allowances in national regulations for when water has ‘challenging’ quality, such as particularly high sediment levels.

Article: Click [HERE](#) to read the full article.

Hellenic Shipping News

July 2022

Ecochlor: “Our Next Market Offerings Will Help Shipowners’ Bottomline”

Ecochlor, one of the leading companies in the area of Ballast Water Treatment Systems is looking to capitalize on the success and appeal of its existing product offerings, by developing and venturing into new parts of the market, especially in the field of lower ships’ emissions and fuel consumption in cost-effective ways. Hellenic Shipping News Worldwide (www.hellenicshippingnews.com), discussed the company’s plans with Mr. Andrew Marshall CEO of Ecochlor, in a sitting, during the recent Posidonia Exhibition.

Article: Click [HERE](#) to read the full article.

WEBINARS, EXHIBITS AND PRESENTATIONS

Green & Offshore Korea

Busan, Korea

Date: 12 - 14 October

Attending: Dongju Cho, RBDM of Korea, dongju.cho@ecochlor.com

NAMEPA Conference & Award Ceremony

New York, USA

Date: 27 October 2022

Attending: Kathie Clark, Director of Corporate Communications, kathie.clark@ecochlor.com

Tanker Shipping & Trade Conference

Athens, Greece

09-10 November 2022

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

Intertanko Asia Panel Meeting

Tokyo, Japan

09-10 November 2022

Attending: Asao Shirai, RBDM of Japan, asao.shirai@ecochlor.com

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