



SAFE DISPOSAL AND RECYCLING

As focus shifts toward reductions in greenhouse gas emissions, the clean-up and safe disposal and recycling of the residual source of these emissions is ongoing.

So Caribbean Maritime has asked one of the region's largest recyclers, RYCO-Jamaica to highlight some of the often-unsung work the company undertakes in maintaining a less-polluted environment.

RYCO-Jamaica (RYCO-JA), the island's largest recycler, has been at the forefront of many of the island's environmental initiatives. A fourth-generation, family-owned, business founded in 1936, The Recycling Corporation of Jamaica services the maritime, hospitality and industrial sectors

with the collection and processing of waste by-products. Operating in Jamaica since 1996, the company has played a pivotal role in creating an environmental standard for liquid waste management on the island.

COLLECTION

With long-standing roots in the North American Rendering Association (NARA), the collection of used cooking oil from hotels and by-products from local broiler companies complement the company's current port services. With over 2,000 satisfied disposals,

RYCO-JA is a reception facility for all ports in Jamaica with the collection of ship-generated MARPOL Annex 1.

Regulations developed by the International Maritime Organization (IMO) have created a guideline to a global standard of disposal by vessels; the most important is the International Convention for the Prevention of Pollution from Ships, also known as MARPOL 73/78. Enacted in 1983, the objective of this convention is to preserve the marine environment by eliminating pollution by oil and other harmful substances.

With the expansion of Jamaica as a Caribbean logistics hub, MARPOL disposal services have contributed to vessels utilizing the Port of Kingston as a resource for managing ship-generated waste. Accredited with an established service rapport among customers, RYCO-JA looks to expanding awareness of its service in the Caribbean region.

As 90% of the world's trade is transported on 70% of its surface by the international shipping community, RYCO-JA has provided a sustainable outlet for these renewable resources. As a result, the recycling of these products creates sustainable energy commodities that support local economies and lessen local imported demand; handling otherwise would be a detriment to marine and onshore environments.

IDENTIFIED

Since 2013, regional deficiencies identified by MARPOL have decreased by over 75% as noted by the Caribbean MOU on Port State Control. With the availability of current services, vessels can coordinate disposals without creating any undue delays or incurring cost-prohibitive fees. Unfortunately, the illegal overboard dumping of contaminated oil waste still occurs around the world.

Ultimately the cooperation of major shipping lines, maritime regulators, and end-users have created a service supply chain that has led to higher-level protection of the Caribbean Sea.

From across the Atlantic, companies such as Top Glory Marine Services have created a much-needed connection between shipowners, charters and service providers. They are the first platform provider for ship's waste management worldwide. "We are acting as a broker for waste management services worldwide and pay attention to the sustainability of the companies with which we cooperate," states Ms. Catherine Prikker, head of business development/operations. By employing the service needs of the vessels, coordinating MARPOL waste disposal on a global scale is currently underway.

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maritime and hospitality sectors, RYCO-JA uses techniques and processes that have been proven over the past 80 years. By utilizing recycled products for its energy production, the company remains competitive through fluctuating markets. This allows for daily quality control measures to ensure the consistency of products from various sources.

REMOVAL

Industry-wide, 2020 fuel compliance has created the need for innovation as lowering greenhouse gas emissions is the top agenda. With proven removal of Primary Air Pollutants by exhaust scrubbers using HFO, an estimated 3,500 units are expected to be installed worldwide by December 2020 according to SP Global Platts. Benefits include the removal of particulate matter



and sulfur oxides while producing lower CO2 emissions than vessels using LNG as fuel.

With Jamaica and the Caribbean's commitment to meeting international environmental targets, it will take effort by all to create the real changes necessary for improvement. If renewable forms of waste resources continue to be produced, then RYCO-JA will be playing a crucial role in taking recycled products to their final form,