



CASE STUDY

ENVIRONMENTAL STEWARDSHIP – SAFEGUARDING OUR SEAS

Environmental stewardship has become a hotbed of discussion in many industries, especially the maritime industry. Spurring this dialogue has been the application of the U.S. Coast Guard and Environmental Protection Agency regulations for ballast water treatment systems. Industry and regulators may not always agree, but both understand the need to balance both operational efficiencies and environmental sensitivities.

Adding to the complexity of this issue, the International Maritime Organization (IMO) just recently ratified their Ballast Water Management Convention. The Convention sets out requirements that owners use approved ballast water managements systems. These new regulations are slated to enter force on September 8, 2017.

THE ABS SOLUTION – ASKING THE RIGHT QUESTIONS

The technologies and policies that go into ballast water management are critical—and so are the players seeking to shape their creation and adoption. Crowley and its Seattle-based naval architecture and engineering firm, Jensen Maritime, took a stand early in the discussion of ballast water management, seeking unbiased and trusted advice from ABS.

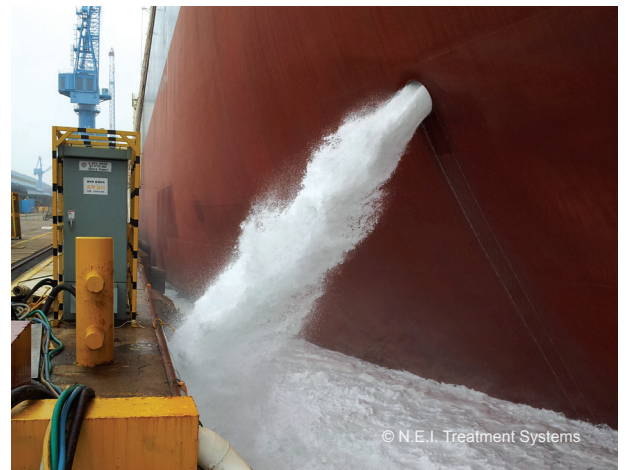
As a third party, ABS provided input about which technologies could be adopted for various vessels in order to be ahead of even the strictest (eventual) regulations. This goes far beyond

purchasing a technology system or unit—it goes all the way down to asking the right questions in the RFP process and working hand in hand to create viable, long-term and compliant systems that work across vessel types and geographies.

The conversation became one of proving to Crowley's stakeholders that this project could be done safely while meeting recognized standards. It was also important for Crowley to get advice early on to identify any red flags before moving into construction.

THE ABS VALUE – ACHIEVING THE RIGHT OUTCOMES

By starting with the end goals in mind, rather than the regulation, Crowley, with ABS assistance on regulatory aspects, has been able to evaluate environmentally conscious and



business-friendly ballast water management systems that please both the industry and the U.S. Coast Guard. In doing so, Crowley is able to avoid any negative business impacts, and ABS has grown its ballast water management review capabilities through a hands-on advisory role with an industry leader. Today, ABS and Crowley attend U.S. Coast Guard meetings to listen and speak to the latest issues on the nation's proposed ballast water management regulations.



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