

Stack and Air-Polluting Emissions from Naval Ships

Hal Alper

Cruise ships utilize extensive scrubbing and filtration operations in order to prevent the cargo from being coated with a film of soot and complaining. This is an exceptional case in that, on most ships, the primary soot filter is the ship itself and its crew. Military vessels must comply with international and local regulations regarding discharge of air pollutants. Both the European Union and the IMO are in the process of implementing much more stringent discharge regulations as it relates to NO_x, SO_x, and PM 2.5.

In order to comply, many types of military vessels will have to make adjustments to control emissions of the above materials. This paper will address issues relating to the effective removal of these materials and the current state of the art as regards naval vessels and local and international regulations.