

Aim and objective

The aim of this course is to provide the necessary theoretical knowledge and leader's abilities to implement and maintain the required documents and procedures for all activities to preserve surrounding environments from the waste produced from shipping vessels. Additionally, to provide high quality information and knowledge on the marine environment to marine professionals based to IMO Model Course 1.38, and the requirements of Sections A-II/1 of Chapter II, A-III/1 and A-III/6 of Chapter III of the STCW 78 as amended in 2010.

The objective is to continue to rise awareness of environmental issues stemming from ship related activities within the marine environment. As well as to be able to apply the MARPOL and BWM conventions as it relates to the marine environment. Furthermore, to find ways to be able to prevent or reduce pollution caused by the shipping industry.

Types of Pollution and Intervention Techniques

Cause and Effect of Marine Pollution

Ecosystems form part of the environment which is important to mankind as it provides services directly or indirectly, therefore it is worth preserving. However, marine pollution involves the presence or contamination of the sea or ocean. Some of the causes may include but are not limited to; toxic chemicals, oil spillages, small particles, plastic, sewage, dissolved greenhouse gases and the shipping industry. There are many contaminants that can cause pollution of the marine environment, however for the purposes of this course, we will only focus on the shipping industry.

Diagram 1.0 Showing Various pollutions from shipping vessels on the Environment.

