

Perspectives from the World and Turkey Focusing on Haydarpaşa and Martas Port Waste Reception Facilities



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- Poster
- Presentation

Short Description (maximum 2500 characters)

All the hydrocarbons spilled in the sea after the tanker accidents, ballasting, flushing of refineries, offshore drilling and pumping, shipping activities, petroleum transport, polluted rivers, industrial and domestic effluents have adverse effects on marine organisms such as plankton, algae and fish. International Convention for the Prevention of Pollution from Ships (MARPOL 73/78) which was adopted by International Maritime Organization (IMO), have regulations and responsibilities about illegal discharge of oil, chemicals, sewage and garbage resulting from the normal operation of ship. One of the responsibilities for Governments is provision of adequate reception facilities for oil and chemical residues, garbage and sewage. In recent years developments in marine transportation in ports of Turkey caused serious environmental pollution. The provision of adequate waste reception facilities (WRFs) is an essential requisite for reducing and eliminating ship-based pollution. At the WRFs, which are operated for the treatment of ship-generated wastes in Turkey, the oily water received is treated at the treatment plant and then discharged into the sea. Although the pollutants originating from ships may lose some of their properties, they still contain oil products as well as fuels. If the waste is treated appropriately to regain its fuel quality, there would be a significant source of income for WRFs. This study first considers the ship-based pollution problem and WRFs from an international viewpoint, and then focusses on the approach taken by Turkey to reduce pollution from deliberate discharges of wastes from ships, and the actions require to rehabilitate WRFs. Haydarpaşa and Martaş Port WRFs were selected as two multifunctional large-scale and mid-scale, respectively, examples operated by state and private sector in Turkey.