

## IMO Waste Management Practices and Procedures

In addition to regional and national requirements, cruise and ferry companies operate within a comprehensive scheme of international environmental regulations and standards set by the International Maritime Organisation (IMO), an agency of the United Nations based in London. These are set out in international conventions, including the International Convention for the Prevention of Pollution from Ships (MARPOL).

MARPOL sets strict standards for all commercial vessels to prevent ship-generated pollution from oil, garbage and waste, details of which are listed below:

### Prevention of Pollution by Oil

The discharge of any fuel or oil, engine room bilge liquids, sludge and other oil based wastes is tightly controlled. PSA members ensure that all movement within a ship and discharges of the above liquids are recorded in the ships' Oil Record Book. All oily water separators are maintained in the correct operating condition. PSA Members ships incinerate sludge and waste oil under normal operations but when required, discharge these liquids to shore reception facilities.

### Prevention of Pollution by Harmful Substances carried by Sea in Packaged Form

If any PSA members vessels carry harmful substances (such as on ferries) as a cargo, then these are regulated by the IMO International Dangerous Goods Code (IMDG Code) which has detailed instructions on type, style and quantities of packaging, segregation and stowage on board, handling and emergency procedures.

### Prevention of Pollution by Harmful Substances

PSA members control the disposal of all chemicals and harmful substances (as may be used on board as part of ships stores etc.) by discharging or landing into shore side reception facilities. These chemicals and harmful substances include dry cleaning fluids, photographic chemicals, harmful substances and chemicals used in beauty shops and hairdressing salons, cleaning chemicals used in the working parts of the ship and any harmful substances used in the operation of the ship.

### Prevention of Pollution by Sewage from Ships

PSA members either have advanced sewage treatment plants and/or holding tanks, or will comply with the MARPOL standards for the discharge of "greywater" and "blackwater". Many ships also separate water from washing and sanitary functions into "grey" and "black" ("greywater" includes wastewater from showers, basins, baths, laundry and dishwashers; "blackwater" includes waste from toilets, medical sinks and other similar facilities).

### Prevention of Pollution by Garbage from Ships

PSA members operate a Garbage Management Plan and keep a Garbage Record Book on every ship in their fleets, controlling the disposal of garbage and similar waste materials. Efforts are made to minimize the generation of garbage through operational and sourcing decisions. Where possible, garbage and similar waste material will be incinerated and the incinerator waste disposed of ashore.