

## Survey of discharge regulations according to MARPOL Convention

I.

### Annex I (oil)

<b>TABLE I OIL TANKERS OF ALL SIZES Control of discharge of oil from tank areas including cargo pump room</b>	
Within special areas OR outside special areas, within 50 nautical miles (nm) from the nearest land	ANY DISCHARGES IS PROHIBITED, except clean or segregated ballast
Outside special areas, more than 50 nm from the nearest land	ANY DISCHARGE IS PROHIBITED, except clean or segregated ballast, or when:  1. the tanker is proceeding en route, and  2. the instantaneous rate of discharge of oil does not exceed 30 litres/nm, and  3. the total quantity of oil discharged into the sea does not exceed  - 1/15,000 (for existing tankers) and/ - 1/30,000 (for new tankers)  of the total quantity of the cargo which was carried on the previous voyage, and  4. the tanker has in operation a monitoring and control system for the discharge of oil, and slop tank arrangements as required by Regulation 15.

**TABLE II**  
**OIL TANKERS OF ALL SIZES**  
**OTHER SHIPS OF 400 GRT AND ABOVE**  
**Control of discharge of oil from machinery spaces**

<p>Within special areas</p>	<p>ANY DISCHARGES IS PROHIBITED, except when</p> <ol style="list-style-type: none"> <li>1. the ship is proceeding en route, and</li> <li>2. the oil content of the effluent without dilution does not exceed 15 ppm, and</li> <li>3. the ship has in operation oil filtering equipment with automatic 15 ppm stopping device, and</li> <li>4. bilge water is not mixed with oil cargo residue or cargo pump room bilges (on oil tankers)</li> </ol>
<p>Outside special areas</p>	<p>ANY DISCHARGE IS PROHIBITED, except when</p> <ol style="list-style-type: none"> <li>1. the ship is proceeding en route</li> <li>2. the oil content of the effluent is less than 15 ppm, and</li> <li>3. the ship has in operation an oil discharge monitoring and control systems, oily-water separating or filtering equipment of other installation required by Regulation 16, and</li> <li>4. bilge water is not mixed with oil cargo residue or cargo pump room bilges (on oil tankers)</li> </ol> <p><b>Note:</b> Oily mixtures which are not mixed with oil cargo residue or cargo pump room bilges, and where the oil content of the effluent without dilution does not exceed 15 ppm may be discharge outside special areas without any additional restrictions.</p>

**TABLE III**  
**SHIPS BELOW 400 GRT OTHER THAN OIL TANKERS**  
**Control of discharge of oil from machinery spaces**

Within special areas	ANY DISCHARGES IS PROHIBITED, except when the oil content without dilution does not exceed 15 ppm
Outside special areas	<p>ANY DISCHARGE IS PROHIBITED, except when the Flag State considers that all the following conditions are satisfied as far as practicable and reasonable:</p> <ol style="list-style-type: none"> <li>1. the ship is proceeding en route, and</li> <li>2. the oil content of the effluent is less than 15 ppm, and</li> <li>3. the ship has in operation suitable equipment as required by Regulation 16</li> </ol> <p><b>Note:</b> Oily mixtures where the oil content of the effluent without dilution does not exceed 15 ppm may be discharged without any additional restrictions.</p>

- the North Sea and Baltic Sea are special areas as defined in Annex I of the MARPOL Convention

## II.

### **Annex II (noxious liquid substances in bulk)**

#### 1. General

Division of noxious substances into 4 categories:

Category	Hazard to marine resources or human health	Harm to amenities or other legitimate uses of the sea
A	Major hazard	Serious harm
B	Hazard	Harm
C	Minor hazard	Minor harm
D	Recognizable hazard	Minimal harm

1. Discharge of cargo residues

Group	In all areas	
A, B and C	<ul style="list-style-type: none"> <li>- ship is proceeding en route</li> <li>- minimum speed 7 knots (self-propelled) or 4 knots (not self-propelled)</li> <li>- at least 12 nautical miles from the nearest land</li> <li>- discharge below the waterline</li> <li>- minimum water depth 25 metres</li> </ul>	
and	outside special areas	within special areas
A	Maximum concentration of tank washings 0.1 percent by weight	Maximum concentration of tank washings 0.05 percent by weight
B	<ul style="list-style-type: none"> <li>- per tank max. 1 cubic metre or 1/3,000 of the tank capacity in cubic metres</li> <li>- concentration of the substance in the wake astern of the ship max. 1 ppm</li> </ul>	<ul style="list-style-type: none"> <li>- the tank has been precleaned, and the washings have been discharge to a reception facility</li> <li>- concentration of the substance in the wake astern of the ship max. 1 ppm</li> </ul>
C	<ul style="list-style-type: none"> <li>- per tank max. 3 cubic metres or 1/1,000 of the tank capacity in cubic metres</li> <li>- concentration of the substance in the wake astern of the ship max. 10 ppm</li> </ul>	<ul style="list-style-type: none"> <li>- per tank max. 1 cubic metre or 1/3,000 of the tank capacity in cubic metres</li> <li>- concentration of the substance in the wake astern of the ship max. 1 ppm</li> </ul>
D	<p style="text-align: center;">in all areas</p> <ul style="list-style-type: none"> <li>- ship is proceeding en route</li> <li>- minimum speed 7 or 4 knots</li> <li>- at least 12 nautical miles from the nearest land</li> <li>- max. one part of the substance in ten parts of water</li> </ul>	

\* Special Areas

- Baltic Sea
- Black Sea
- Antarctica

### III.

#### Annex IV (sewage from ships)

- In force since 27 September 2003-10-29

The discharge regulations in Annex IV MARPOL have been implemented

- for the *Baltic Sea area* under German jurisdiction by the 1<sup>st</sup> Amendment to the Ordinance for the Protection of the Baltic Sea
- and for the *North Sea area* under German jurisdiction by the Ordinance of the Prevention of Pollution of the North Sea by Sewage from Ships.

#### 1. Discharge regulations

Sewage		
From treatment plants	Comminuted and disinfected	Untreated
<ul style="list-style-type: none"><li>- treatment plant has been approved by the Administration</li><li>- no visible floating solids or discoloration of surrounding water</li></ul>	<ul style="list-style-type: none"><li>- treatment plant has been approved by the Administration</li><li>- at least 4 nautical miles from the nearest land</li></ul>	<ul style="list-style-type: none"><li>- retained in holding tanks</li><li>- at least 12 nautical miles from the nearest land</li><li>- discharge rate approved by the Administration</li><li>- ship is proceeding en route</li><li>- minimum speed 4 knots</li></ul>

IV.

**Annex V (garbage from ships)**

Disposal of garbage:

Within special areas			Outside special areas		
Plastics	Other garbage	Food wastes	Plastics	Dunnage, lining and packing materials which will float	Food wastes and other garbage
Prohibited	Prohibited	At least 12 nautical miles from the nearest land	Prohibited	At least 25 nautical miles from the nearest land	At least 12 nautical miles from the nearest land  <u>But:</u> 3 nautical miles if passed through a comminuter or grinder

Special areas:

- North Sea
- Baltic Sea
- Mediterranean Sea
- Black Sea
- Red Sea
- Gulfs area
- Antarctica
- Caribbean