


Title	MARPOL 2011 Amend / Annex IV / Reg. 9
Effective Date	1/1/2013
For Ships Constructed	On or after 6/30/1976
Reference Materials	sewage treatment plant sewage comminuting and disinfecting system 

Chapter 3

Equipment and control of discharge

Regulation 9

Sewage Systems

1 Every ship which, in accordance with regulation 2, is required to comply with the provisions of this Annex shall be equipped with one of the following sewage systems:

.1 a sewage treatment plant which shall be of a type approved by the Administration, taking into account the standards and test methods developed by the Organization*, or

* Refer to the Recommendation on International effluent standards and guidelines for performance tests for sewage treatment plants adopted by the Marine Environment Protection Committee of the Organization by [resolution MEPC.2\(VI\)](#) or the Revised guidelines on implementation of effluent standards and performance tests for sewage treatment plants adopted by the MEPC by resolution [MEPC.159\(55\)](#) (see Unified Interpretation 3) and [MEPC.227\(64\)](#).

 Refer to the [IACS UI MPC88](#) Annex IV of MARPOL 73/78 Regulation 9.1.1

.2 a sewage comminuting and disinfecting system approved by the Administration. Such system shall be fitted with facilities to the satisfaction of the Administration, for the temporary storage of sewage when the ship is less than 3 nautical miles from the nearest land, or

.3 a holding tank of the capacity to the satisfaction of the Administration for the retention of all sewage, having regard to the operation of the ship, the number of persons on board and other relevant factors. The holding tank shall be constructed to the satisfaction of the Administration and shall have a means to indicate visually the amount of its contents.

2 By derogation from paragraph 1, every passenger ship which, in accordance with regulation 2, is required to comply with the provisions of this Annex, and for which regulation 11.3 applies while in a special area, shall be equipped with one of the following sewage systems:

.1 a sewage treatment plant which shall be of a type approved by the Administration, taking into account the standards and test methods developed by the Organization,² or

² Refer to the [draft 2012] Guidelines on Implementation of Effluent Standards and Performance Tests for Sewage Treatment Plants adopted by the Marine Environment Protection Committee of the Organization by [resolution MEPC....].

.2 a holding tank of the capacity to the satisfaction of the Administration for the retention of all sewage, having regard to the operation of the ship, the number of persons on board and other relevant factors. The holding tank shall be constructed to the satisfaction of the Administration and shall have a means to indicate

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visually the amount of its contents. (KR added by Res.MEPC.200(62))

UNIFIED INTERPRETATION OF MARPOL ANNEX IV (ADDED BY MEPC56)


3 Installed on board a ship on or after 1 January 2010

Reg. 9.1.1

For application of resolution MEPC.159(55), the phrase "installed on board a ship on or after 1 January 2010" shall be interpreted as follows:

- .1 For new ships, installations on board ships the keels of which are laid or which are at a similar stage of construction on or after 1 January 2010.
- .2 For existing ships, new installations with a contractual delivery date to the ship on or after 1 January 2010 or, in the absence of a contractual delivery date, the actual delivery of the equipment to the ship on or after 1 January 2010.

(KR: Unified Interpretation was added by MEPC.56)

Title	MARPOL 2003/2004 Amend / Annex IV / Reg. 10
Effective Date	8/1/2005
For Ships Constructed	On or after 6/30/1976
Note	Ships constructed on or after 27 September 2003 shall comply with this regulation. Ships constructed before 27 September 2003 shall comply with this regulation not later than 27 September 2008.
Reference Materials	sewage treatment plant standard discharge connection 

Regulation 10

Standard Discharge Connections

1 To enable pipes of reception facilities to be connected with the ship's discharge pipeline, both lines shall be fitted with a standard discharge connection in accordance with the following table:

STANDARD DIMENSIONS OF FLANGES FOR DISCHARGE CONNECTIONS

Description	Dimension
Outside diameter	210 mm
Inner diameter	According to pipe outside diameter
Bolt circle diameter	170 mm
Slots in flange	4 holes 18 mm in diameter equidistantly placed on a bolt circle of the above diameter, slotted to the flange periphery. The slot width to be 18 mm
Flange thickness	16 mm
Bolts and nuts: quantity and diameter	4, each of 16 mm in diameter and of suitable length
The flange is designed to accept pipes up to a maximum internal diameter of 100 mm and shall	

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be of steel or other equivalent material having a flat face. This flange, together with a suitable gasket, shall be suitable for a service pressure of 600 kPa.

For ships having a moulded depth of 5 metres and less, the inner diameter of the discharge connection may be 38 millimetres.

 Refer to the [IACS UI MPC86](#) Annex IV of MARPOL 73/78 Regulation 10.1 as amended by Resolution [MEPC.115\(51\)](#)

2 For ships in dedicated trades, i.e. passenger ferries, alternatively the ship's discharge pipeline may be fitted with a discharge connection which can be accepted by the Administration, such as quick connection couplings.


Unified Interpretation

4 Standard discharge connections

Regulation 10.1

All ships subject to Annex IV, irrespective of their size and of the presence of a sewage treatment plant or sewage holding tank, shall be provided with a pipeline and the relevant shore connection flange for discharging sewage to port sewage treatment facility.

 Unified Interpretation was added by [MEPC.55](#)

Title	MARPOL 2011 Amend / Annex IV / Reg. 11
Effective Date	1/1/2013
For Ships Constructed	On or after 6/30/1976
Reference Materials	sewage treatment plant 

Regulation 11

Discharge of Sewage

A Discharge of sewage from ships other than passenger ships in all areas and discharge of sewage from passenger ships outside special areas

1 Subject to the provisions of regulation 3 of this Annex, the discharge of sewage into the sea is prohibited, except when:

.1 the ship is discharging comminuted and disinfected sewage using a system approved by the Administration in accordance with regulation 9.1.2 of this Annex at a distance of more than 3 nautical miles from the nearest land, or sewage which is not comminuted or disinfected at a distance of more than 12 nautical miles from the nearest land, provided that, in any case, the sewage that has been stored in holding tanks, or sewage originating from spaces containing living animals, shall not be discharged instantaneously but at a moderate rate when the ship is en route and proceeding at not less than 4 knots; the rate of discharge shall be approved by the Administration based upon standards developed by the Organization^{*}; or

^{*} Refer to the Recommendation on standards for the rate of discharge of untreated sewage from ships adopted by the Marine Environmental Protection Committee of the Organization by resolution [MEPC.157\(55\)](#).

.2 the ship has in operation an approved sewage treatment plant which has been certified by the Administration

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to meet the operational requirements referred to in regulation 9.1.1 of this Annex, and the effluent shall not produce visible floating solids nor cause discoloration of the surrounding water.

2 The provisions of paragraph 1 shall not apply to ships operating in the waters under the jurisdiction of a State and visiting ships from other States while they are in these waters and are discharging sewage in accordance with such less stringent requirements as may be imposed by such State.

B Discharge of sewage from passenger ships within a special area

3 Subject to the provisions of regulation 3 of this Annex, the discharge of sewage from a passenger ship within a special area shall be prohibited:

- a) for new passenger ships on, or after 1 January 2016, subject to paragraph 2 of regulation 13; and
- b) for existing passenger ships on, or after 1 January 2018, subject to paragraph 2 of regulation 13,

except when the following conditions are satisfied:

the ship has in operation an approved sewage treatment plant which has been certified by the Administration to meet the operational requirements referred to in regulation 9.2.1 of this Annex, and the effluent shall not produce visible floating solids nor cause discoloration of the surrounding water.

C General requirements

4 When the sewage is mixed with wastes or waste water covered by other Annexes of MARPOL, the requirements of those Annexes shall be complied with in addition to the requirements of this Annex.

( **Res.MEPC.200(62)** to replace Regulation 11 is reflected)

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