

Subject

Regulation 12 of Annex I MARPOL
Amended requirements for sludge discharging piping and
bilge-water piping

ClassNK

Technical Information

No. TEC-1080
Date 2 August 2016

To whom it may concern

According to the decisions taken at the sixty-eighth session of the Marine Environment Protection Committee (MEPC68) held in May 2015, amendments to MARPOL Annex I were adopted to clarify the scope of application of the requirements for sludge discharging piping and bilge-water piping specified in regulation 12 of the said Annex, and the amendments will enter into force on 1 January 2017.

A summary of the amended requirements is provided as below for your information.

1. Application

All new and existing ships of 400 gross tonnage and above are subject to the regulation.

2. Application date

Application date of the amended requirements is as follows:

- (1) for ships the keel of which is laid or which is at a similar stage of construction on or after 1 January 2017, registration surveys during construction; or
- (2) for ships the keel of which is laid or which is at a similar stage of construction before 1 January 2017, the first IOPP renewal survey carried out on or after 1 January 2017.

3. The outline of major amendments to the regulation

To ships the keel of which is laid or which is at a similar stage of construction on or after 31 December 1990, the below requirements except underlined part of (2) have already been applied. However, in accordance with the amendments, all the requirements including the underlined part of (2) will be applied to all ships, including existing ships, from 1 January 2017.

- (1) The sludge tank(s) may be fitted with drains, with manually operated self-closing valves and arrangements for subsequent visual monitoring of the settled water, that lead to an oily bilge water holding tank or bilge well, or an alternative arrangement, provided such arrangement does not connect directly to the bilge discharge piping system. (Refer to figure.1 in Attachment No.1)

(To be continued)

NOTES:

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- (2) The sludge tank discharge piping and bilge-water piping may be connected to a common piping leading to the standard discharge connection; the connection of both systems to the possible common piping leading to the standard discharge connection shall not allow for the transfer of sludge to the bilge system^{*1}.

*1 A Screw-down non-return valve is to be provided in lines connecting to common piping leading to the standard discharge connection. (Refer to figure.2 in Attachment No.1)

In cases where the sludge system and/or the bilge system are to be modified to comply with the above requirements, the approval of the modified drawings in addition to the inspection will be required. If the above requirements are already satisfied by the current arrangements, such modification is not required.

- (a) Approval of modified drawings

Before modification is carried out, the drawings of the sludge system and/or the bilge system showing the modifications to be made on those systems are to be submitted to Machinery Department.

- (b) Inspection of modification onboard

To confirm the modified part at IOPP renewal survey, an application for an occasional survey is to be submitted to a survey site office with the modified drawings which have been approved by Machinery Department. Even in cases where no modification is made, an attending surveyor inspects the systems onboard to confirm the compliance with the amended requirements. Even before the first IOPP renewal survey carried out on or after 2017, an application to confirm the compliance with the amended requirements may be submitted at your convenience. In that case, kindly please submit the modified drawings which have been approved by Machinery Department in conjunction with the application for other surveys.

For your reference, IMO Resolution MEPC.266(68) is attached as Attachment No.2.

For any questions about the above, please contact:

[Equipment, Installation and modification]

NIPPON KAIJI KYOKAI (ClassNK)

Machinery Department, Administration Center Annex, Head Office

Address: 3-3 Kioi-cho, Chiyoda-ku, Tokyo 102-0094, Japan

Tel.: +81-3-5226-2022 / 2023

Fax: +81-3-5226-2024

E-mail: mcd@classnk.or.jp

(To be continued)

[Survey]

Survey Department, Administration Center Annex, Head Office

Address: 3-3 Kioi-cho, Chiyoda-ku, Tokyo 102-0094, Japan

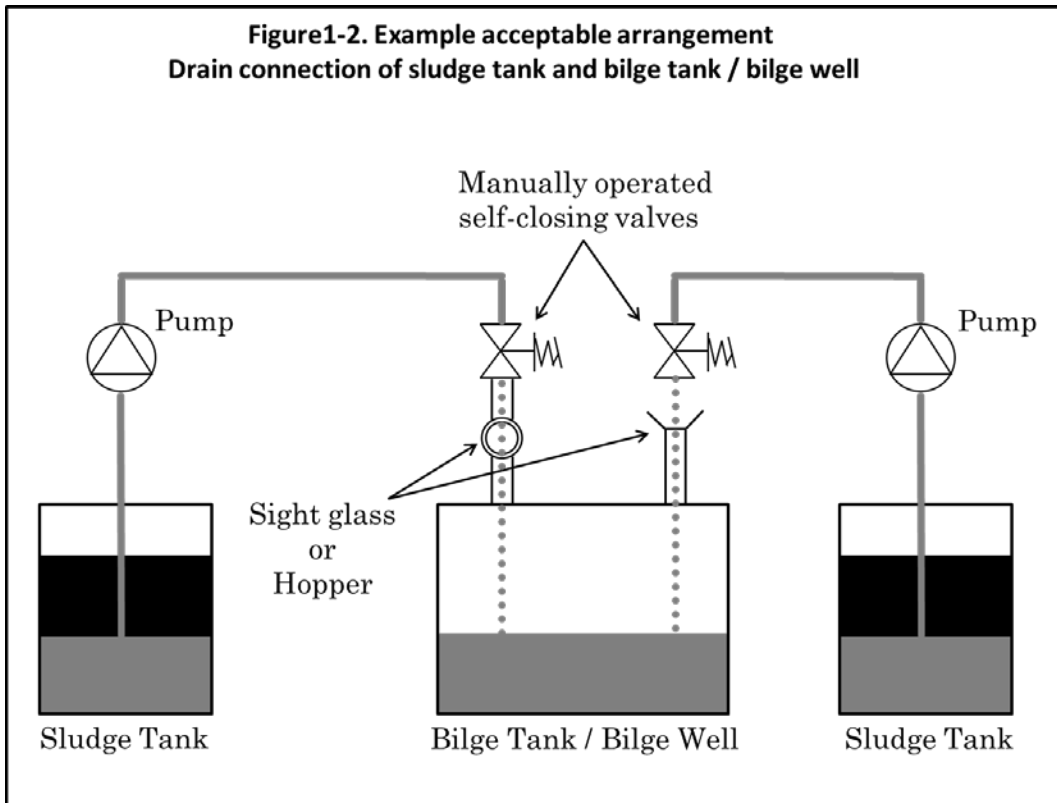
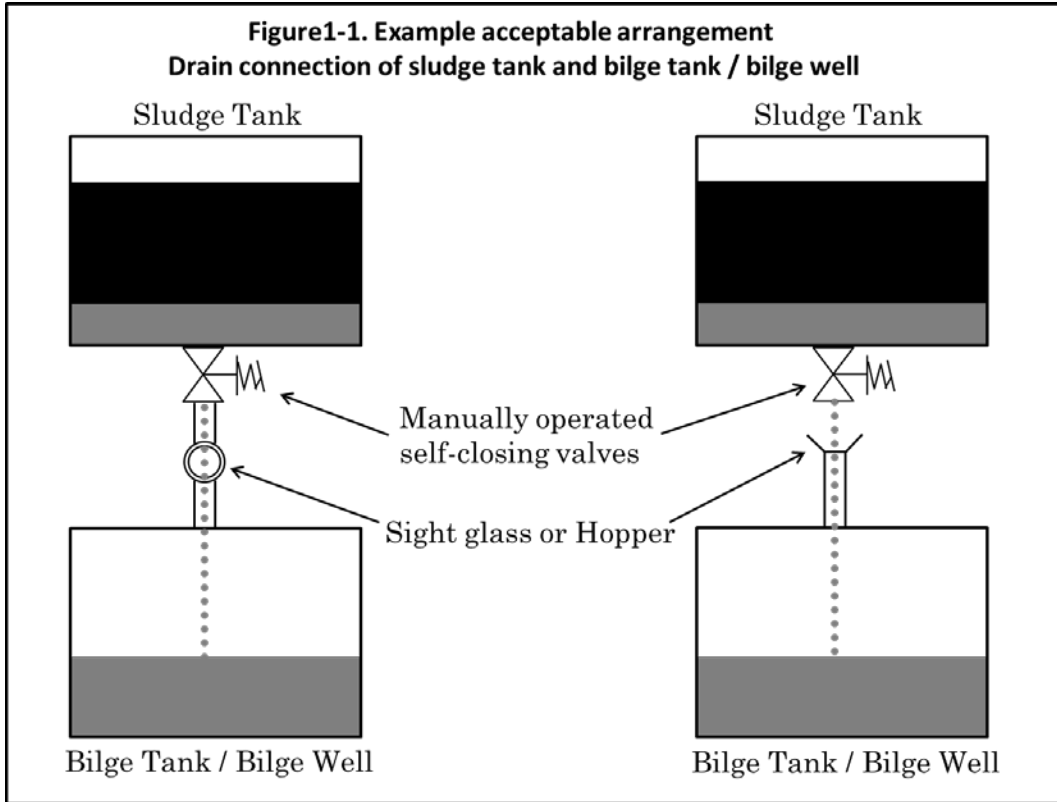
Tel.: +81-3-5226-2027 / 2028

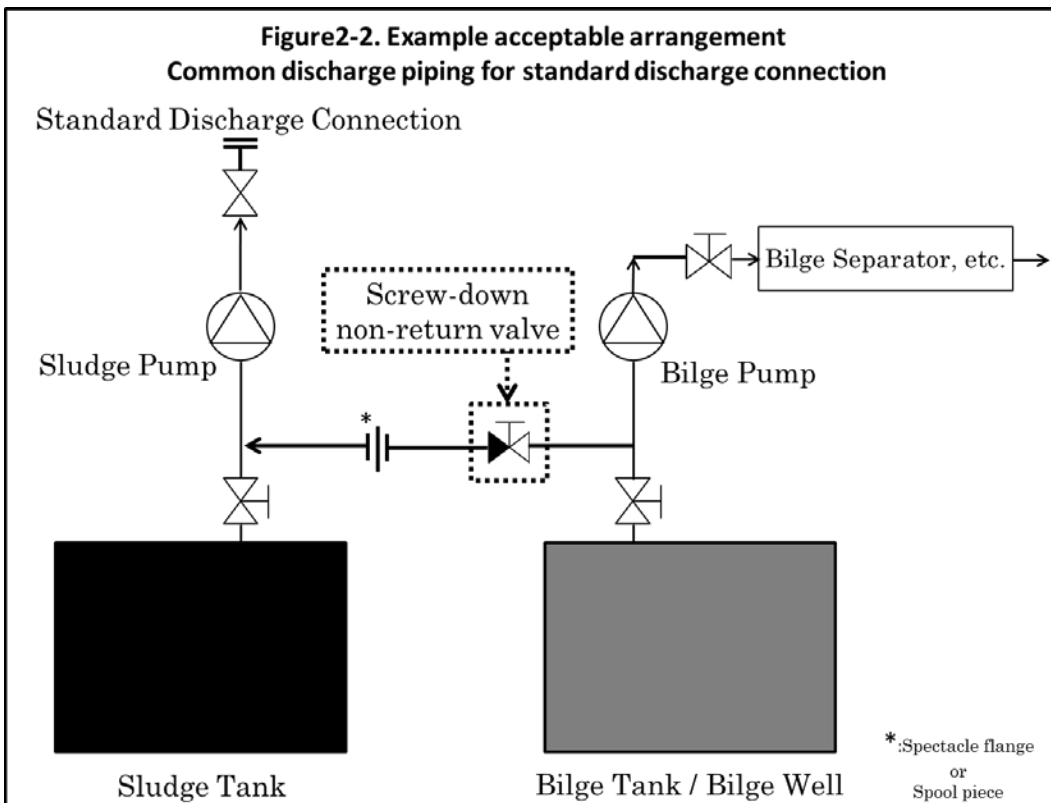
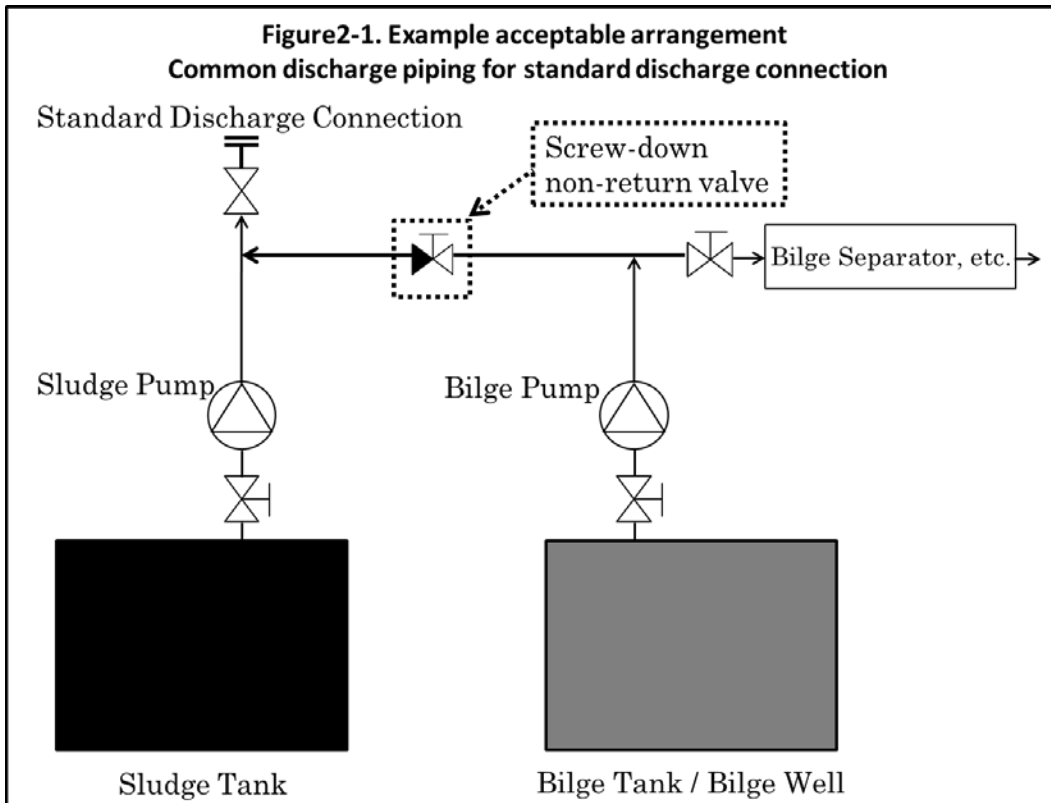
Fax: +81-3-5226-2029

E-mail: svd@classnk.or.jp

Attachment:

1. Example of acceptable arrangement
2. IMO Resolution MEPC.266(68)





ANNEX 12

**RESOLUTION MEPC.266(68)
(adopted on 15 May 2015)**

**AMENDMENTS TO THE ANNEX OF THE INTERNATIONAL CONVENTION FOR THE
PREVENTION OF POLLUTION FROM SHIPS, 1973, AS MODIFIED BY THE
PROTOCOL OF 1978 RELATING THERETO**

Amendments to regulation 12 of MARPOL Annex I

THE MARINE ENVIRONMENT PROTECTION COMMITTEE,

RECALLING Article 38(a) of the Convention on the International Maritime Organization concerning the functions of the Marine Environment Protection Committee conferred upon it by international conventions for the prevention and control of marine pollution from ships,

NOTING article 16 of the International Convention for the Prevention of Pollution from Ships, 1973, as modified by the Protocol of 1978 relating thereto (MARPOL), which specifies the amendment procedure and confers upon the appropriate body of the Organization the function of considering and adopting amendments thereto,

HAVING CONSIDERED, at its sixty-eight session, proposed amendments to MARPOL Annex I concerning requirements for machinery spaces of all ships,

1 ADOPTS, in accordance with article 16(2)(d) of the 1973 Convention, amendments to regulation 12 of Annex I, the text of which is set out in the annex to the present resolution;

2 DETERMINES, in accordance with article 16(2)(f)(iii) of MARPOL, that the amendments shall be deemed to have been accepted on 1 July 2016 unless prior to that date, not less than one third of the Parties or Parties the combined merchant fleets of which constitute not less than 50% of the gross tonnage of the world's merchant fleet, have communicated to the Organization their objection to the amendments;

3 INVITES the Parties to note that, in accordance with article 16(2)(g)(ii) of MARPOL, the said amendments shall enter into force on 1 January 2017 upon their acceptance in accordance with paragraph 2 above;

4 REQUESTS the Secretary-General, for the purposes of article 16(2)(e) of MARPOL, to transmit certified copies of the present resolution and the text of the amendments contained in the annex to all Parties to MARPOL;

5 REQUESTS FURTHER the Secretary-General to transmit copies of the present resolution and its annex to Members of the Organization which are not Parties to MARPOL.

ANNEX

AMENDMENTS TO MARPOL ANNEX I

Chapter 3
Requirements for machinery spaces of all ships

Part A
Construction

Regulation 12 – Tanks for oil residues (sludge)

Paragraphs 1 to 4 of regulation 12 are replaced by the following:

"1 Unless indicated otherwise, this regulation applies to every ship of 400 gross tonnage and above except that paragraph 3.5 of this regulation need only be applied as far as is reasonable and practicable to ships delivered on or before 31 December 1979, as defined in regulation 1.28.1.

2 Oil residue (sludge) may be disposed of directly from the oil residue (sludge) tank(s) to reception facilities through the standard discharge connection referred to in regulation 13, or to any other approved means of disposal of oil residue (sludge), such as an incinerator, auxiliary boiler suitable for burning oil residues (sludge) or other acceptable means which shall be annotated in item 3.2 of the Supplement to IOPP Certificate Form A or B.

3 Oil residue (sludge) tank(s) shall be provided and:

- .1 shall be of adequate capacity, having regard to the type of machinery and length of voyage, to receive the oil residues (sludge) which cannot be dealt with otherwise in accordance with the requirements of this Annex;
- .2 shall be provided with a designated pump that is capable of taking suction from the oil residue (sludge) tank(s) for disposal of oil residue (sludge) by means as described in regulation 12.2;
- .3 shall have no discharge connections to the bilge system, oily bilge water holding tank(s), tank top or oily water separators, except that:
 - .1 the tank(s) may be fitted with drains, with manually operated self-closing valves and arrangements for subsequent visual monitoring of the settled water, that lead to an oily bilge water holding tank or bilge well, or an alternative arrangement, provided such arrangement does not connect directly to the bilge discharge piping system; and
 - .2 the sludge tank discharge piping and bilge-water piping may be connected to a common piping leading to the standard discharge connection referred to in regulation 13; the connection of both systems to the possible common

piping leading to the standard discharge connection referred to in regulation 13 shall not allow for the transfer of sludge to the bilge system;

- .4 shall not be arranged with any piping that has direct connection overboard, other than the standard discharge connection referred to in regulation 13; and
- .5 shall be designed and constructed so as to facilitate their cleaning and the discharge of residues to reception facilities.

4 Ships constructed before 1 January 2017 shall be arranged to comply with paragraph 3.3 of this regulation not later than the first renewal survey carried out on or after 1 January 2017."
