

RULES FOR MARINE POLLUTION PREVENTION SYSTEMS

Rules for Marine Pollution Prevention Systems

2020 AMENDMENT NO.3

Rule No.113 24 December 2020

Resolved by Technical Committee on 5 August 2020

ClassNK
NIPPON KAIJI KYOKAI

An asterisk (*) after the title of a requirement indicates that there is also relevant information in the corresponding Guidance.

“Rules for marine pollution prevention systems” has been partly amended as follows:

**Part 4 CONSTRUCTION AND EQUIPMENT FOR THE PREVENTION
OF POLLUTION BY DISCHARGES OF NOXIOUS LIQUID
SUBSTANCES IN BULK**

Chapter 1 GENERAL

1.2 Definitions

1.2.1 Terminology (*Regulation 1 of Annex II*)

Sub-paragraph (14) has been added as follows.

(14) “Persistent floater” means a slick forming substance with the following properties:

(a) Density: \leq sea water ($1,025 \text{ kg/m}^3$ at $20 \text{ }^\circ\text{C}$);

(b) Vapour pressure: $\leq 0.3 \text{ kPa}$;

(c) Solubility: $\leq 0.1 \%$ (for liquids) $\leq 10 \%$ (for solids); and

(d) Kinematic viscosity: $> 10 \text{ cSt}$ at $20 \text{ }^\circ\text{C}$.

Chapter 2 CONSTRUCTION AND EQUIPMENT

2.2 Requirements for Installation of Construction and Equipment

2.2.1 Equipment for the Prevention of Discharge of Noxious Liquid Substances*

Table 4-1 has been amended as follows.

Table 4-1 Equipment for the Prevention of Discharge of Noxious Liquid Substance

Classification of substances		Category X	Category Y		Category Z
Equipment	Sea area of discharge	Outside of Antarctic Area			
	Physical properties	All substances	High viscosity or solidifying property	Low viscosity or non-solidifying property	All substances
Prewash system		○	○	— ⁽¹⁾⁽⁴⁾	— ⁽¹⁾
Striping system		○	○	○	○
Discharge outlet below the waterline		○ ⁽²⁾	○ ⁽²⁾	○ ⁽²⁾	○ ⁽²⁾
Arrangements for discharge to reception facilities		○	○	○ ⁽³⁾	○ ⁽³⁾

Remark

○: to be provided

—: not required to be provided

Notes

- (1) If the unloading of a substance is not carried out in accordance with the Manual for procedures and arrangements for discharge of noxious liquid substance, a prewash shall be carried out.
- (2) Any ship which discharges only clean ballast may be exempted from this requirement.
- (3) Any ship which does not discharge unnecessary noxious liquid substances generated on board may be exempted.
- (4) A prewash is to be carried out for persistent floaters with melting points equal to or greater than 0 °C, as identified by “16.2.7” in column 'o' of Table S17.1 in Part S of Rules for the Survey and Construction of Steel Ships in the sea areas indicated in regulation 13.9 of Annex II.

Part 8 EQUIPMENT FOR THE PREVENTION OF AIR POLLUTION FROM SHIPS

Chapter 3 ENERGY EFFICIENCY FOR SHIPS

3.1 General

3.1.2 Terminology (*Regulation 2 of Annex VI*)*

Sub-paragraph (6) has been amended as follows.

((1) to (5) are omitted.)

(6) “Tanker” means an oil tanker as defined in **2.1.1(6)** of **Part 1**, an NLS tanker as defined in **2.1.1(7)** of **Part 1**, or a chemical tanker as defined in **1.3.1(~~89~~)** of **Rules for the Survey and Construction of Steel Ships, Part S**.

((7) to (22) are omitted.)

Appendix I GUIDANCE FOR THE DISCHARGE OF NOXIOUS LIQUID SUBSTANCES, ETC.

1.2 Discharge of Noxious Liquid Substances

1.2.2 Category Y and Z Noxious Liquid Substances, etc.

Sub-paragraph -3 has been added as follows.

3 For substances assigned to category Y that are persistent floaters with a viscosity equal to or greater than 50 mPa-s at 20 °C and/or with a melting point equal to or greater than 0 °C , as identified by “16.2.7” in column ‘o’ of Table S17.1 in Part S of Rules for the Survey and Construction of Steel Ships, the following are to be applied in the areas (i.e. the North West European waters, Baltic Sea area, Western European waters and Norwegian Sea) indicated in regulation 13.9 of Annex II:

- (1) A prewash procedure as specified in 4.2 of Part 4 to this annex is to be applied;
- (2) The residue/water mixture generated during the prewash is to be discharged to a reception facility at the port of unloading until the tank is empty; and
- (3) Any water subsequently introduced into the tank after (1) and (2) above, may be discharged into the sea in accordance with the discharge standards specified in 1.1.2.

EFFECTIVE DATE AND APPLICATION

1. The effective date of the amendments is 1 January 2021.