

Exhaust Gas Recirculation Systems

Amended Rules and Guidance

Rules for Marine Pollution Prevention Systems

Guidance for Marine Pollution Prevention Systems

Reason for Amendment

Regulation 13 of MARPOL Annex VI specifies maximum allowable limits for the NO_x emission of diesel engines in order to help prevent air pollution from ships.

In recent years, there has been an increase in the number of plans to install exhaust gas recirculation systems (EGR) on board ships as a means to meet the aforementioned the NO_x emission limit, which have continued to become increasingly stricter over the years.

At the 73rd session of the IMO Marine Environment Protection Committee (MEPC73) held in October 2018, the IMO adopted guidelines that specify the detailed requirements related to the discharge of EGR bleed-off water as the Resolution MEPC.307(73).

Accordingly, relevant requirements were amended based upon IMO Resolution MEPC.307(73).

In addition, requirements in the ClassNK Rules related to the Regulations 12 and 14 of MARPOL Annex I, including the configuration of the Rules, were amended for harmonization purposes so that all relevant requirements would be in line with said regulations. This was being done as part of a comprehensive review of the ClassNK Rules.

Outline of Amendment

The main details of the amendment are as follows:

- (1) Specified that a “Manual for EGR bleed-off discharge system” and an “EGR record book” are required to be provided for ships fitted with EGR systems. The aforementioned are to be approved by the Society and then maintained on board ship.
- (2) Amended the requirements related to ships which store sludge oil and oily bilge water together in the same tanks and discharge the contents of such tanks to shore reception facilities to be in line with Regulations 12 and 14 of MARPOL Annex I.

Amended Requirements

Rules for Marine Pollution Prevention Systems

Part 2: 1.3.2, 2.1.2, 2.1.3, 3.1.2, Part 3: 2.2.1, 2.3.4, 2.4.2, Part 8: 2.1.1

Guidance for Marine Pollution Prevention Systems

Part 2: 1.1.3, 1.3.2, 2.1.2, Part 3: 2.2.1, Part 8: 2.1.1