



TECHNICAL INFORMATION

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No : 2024-IMO-03
Date : 8th March 2024

Amendments to MARPOL Annex V related to mandating the Garbage Record Book for ships of 100 GT and above, and survey in accordance with MARPOL Annex V

This technical information was published by Convention& Legislation Service team (convention@krs.co.kr) to give information about the amendments to MARPOL Annex V (Garbage Record Book mandatory for ships of 100 GT and above).

1. Background

MEPC 79 adopted Res.MEPC.360(79), containing amendments to the requirements of Regulation 10.3 (Garbage Record-keeping) and Regulation 8 (Reception Facilities) of MARPOL Annex V. These amendments will enter into force on 1 May 2024. These amendments extend the applicability of the requirement to be kept on board Garbage Record Book for ships of 100 GT and above (previously applicable for ships of 400 GT and above).

This is one of the measures to minimize marine plastics (fishing gear, nets etc.) discharged from small fishing ships, aiming to extend the requirements of Garbage Record Book to small ships to contribute to garbage management.

Consequently, ship owners and relevant parties involved in the operation of ships are requested to pay attention to the following information on the amendments.

2. Content(s)

Every ship of 100 GT and above shall be provided on board with a Garbage Record Book prior to the date of entry into force (1 May 2024).

2.1. Details of revised requirements (Reg.10.3 of MARPOL Annex V)

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| <ol style="list-style-type: none">1) Regulation: A Garbage Record Book shall be kept on board.2) Application¹<ol style="list-style-type: none">(1) <u>Every ship of 100 GT and above</u>(2) Every ship which is certified to carry 15 or more persons (Any ships engaged on |
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¹ Korean flagged ships are also applicable when engaged in domestic voyages.

voyages of one (1) hour or less in duration are excluded)

(3) Fixed or floating platform

3) Contents: Each discharge into the sea or to a reception facility, or a completed incineration, shall be promptly recorded in the Garbage Record Book and signed the officer in charge.

4) Others: (MARPOL Annex V Reg.10.3.6) In the event of any discharge or accidental loss, an entry shall be made in the Garbage Record Book, or in the case of any ship of **less than 100 GT**, an entry shall be made in the ship's official logbook.

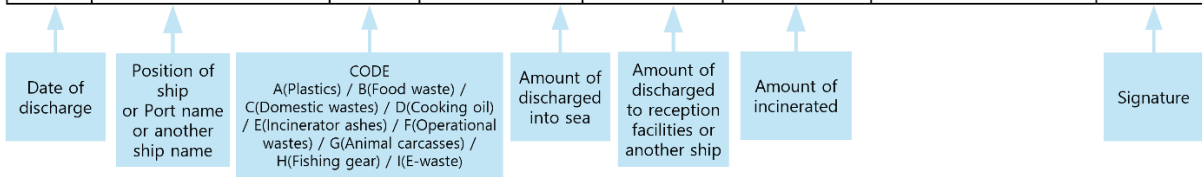
3. Measures to be taken

3.1 Measures in accordance with the amendment to MARPOL Annex V

- (1) **Every ship of 100 GT and above shall be provided on board with a Garbage Record Book prior to the date of entry into force (1 May 2024)** (Especially, fishing ships of 100 GT and above should pay attention to comply with these requirements)
- (2) The Garbage Record Book required by the MARPOL Annex V is not subject to approval by Administration or classification society. Therefore, ship owners and ship operators are requested to autonomously prepare and provide the Garbage Record Book.
- (3) The Garbage Record Book is divided into two parts according to the category of garbage, and the form of Garbage Record Book can be referred to [Technical Information 2012-IMO-05](#) issued by KR and the picture below.
(For detailed information, please refer to MARPOL Annex V Reg.10.3 and Appendix II as attached)

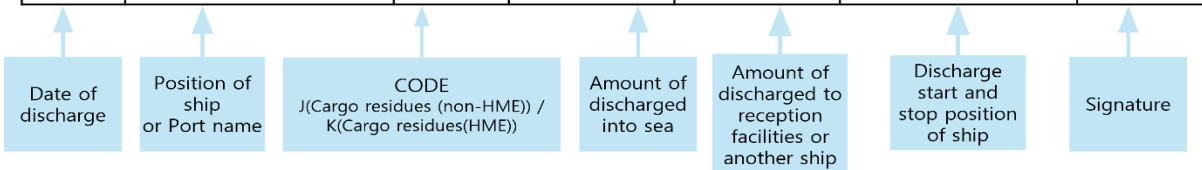
PART I

Date/Time	Position of the ship (latitude/longitude) or port if discharged ashore or name of ship if discharged to another ship	Category	Estimated amount Discharged		Estimated amount incinerated(m ³)	Remark: (e.g. start/stop time and position of incineration; general remarks)	Certification/Signature
			Into sea(m ³)	To reception facilities or to another ship(m ³)			



PART II

Date/Time	Position of the ship (latitude/longitude) or port if discharged ashore	Category	Estimated amount Discharged		Start and stop positions of the ship for discharges into the sea	Certification/Signature
			Into sea(m ³)	To reception facilities or to another ship(m ³)		



(4) Please refer to the table below for summary of restrictions to the discharge of garbage into the sea under regulations of MARPOL Annex V
(Refer to Res. MEPC.295(71) Table 1 as attached)

Garbage Type ¹	All ships except platforms ⁴		Offshore platforms located more than 12 nm from nearest land and ships when alongside or within 500 m of such platforms ⁴ Regulation 5
	Outside special areas and Arctic waters Regulation 4 (Distance are from the nearest land)	Within special areas and Arctic waters Regulation 6 (Distance are from nearest land, nearest iceshelf or nearest fast ice)	
Food waste comminuted or ground ²	Discharge permitted ≥ 3 nm, en route and as far as practicable	Discharge permitted ≥ 12 nm, en route and as far as practicable ³	Discharge permitted
Food waste not comminuted or ground	Discharge permitted ≥ 12 nm, en route and as far as practicable	Discharge prohibited	Discharge prohibited
Cargo residues ^{5, 6} not contained in wash water	Discharge permitted ≥ 12 nm, en route and as far as practicable	Discharge prohibited	Discharge prohibited
Cargo residues ^{5, 6} contained in wash water		Discharge permitted ≥ 12 nm, en route and as far as practicable (subject to conditions in regulation 6.1.2)	Discharge prohibited
Cleaning agents and additives ⁶ contained in cargo hold wash water	Discharge permitted	Discharge permitted ≥ 12 nm, en route and as far as practicable (subject to conditions in regulation 6.1.2)	Discharge prohibited
Cleaning agents and additives ⁶ in deck and external surfaces wash water		Discharge permitted	Discharge prohibited
Animal Carcasses (should be split or otherwise treated to ensure the carcasses will sink immediately)	Discharge permitted Must be en route and as far from the nearest land as possible. Should be > 100 nm and maximum water depth	Discharge prohibited	Discharge prohibited
All other garbage including plastics, synthetic ropes, fishing gear, plastic garbage bags, incinerator ashes, clinkers, cooking oil, floating dunnage, lining, and packing materials, paper, rags, glass, metal, bottles, crockery and similar refuse	Discharge prohibited	Discharge prohibited	Discharge prohibited

- .1 When garbage is mixed with or contaminated by other harmful substances prohibited from discharge or having different discharge requirements, the more stringent requirements shall apply.
- .2 Comminuted or ground food wastes must be able to pass through a screen with mesh no larger than 25 mm.
- .3 The discharge of introduced avian products in the Antarctic area is not permitted unless incinerated, autoclaved, or otherwise treated to be made sterile. In polar waters, discharge shall be made as far as practicable from areas of ice concentration exceeding 1/10; in any case food wastes shall not be discharged onto the ice.
- .4 Offshore platforms located 12 nm from nearest land and associated ships include all fixed or floating platforms engaged in exploration or exploitation or associated processing of seabed mineral resources, and all ships alongside or within 500 m of such platforms.
- .5 Cargo residues means only those cargo residues that cannot be recovered using commonly available methods for unloading.
- .6 These substances must not be harmful to the marine environment.

3.2 Survey in accordance with MARPOL Annex V and issuance of IGPP DOC

(1) Although there is no requirement to retain an IGPP DOC (Document of Compliance) on board in accordance with MARPOL Annex V, this Classification Society may carry out a survey and issue an IGPP DOC upon voluntary request if the ship complies with the requirements of MARPOL Annex V (Garbage Record Book, Garbage Management Plan and Placard). The major requirements for issuance of IGPP DOC are as follows.

① Placard

- Application : Every ship of 12 meters or more in length overall, fixed or floating platforms
- Language : Working language of the ship's crew, (if engaged in international voyage) English, French or Spanish
- Placards shall contain a summary declaration stating the prohibition and restrictions for discharging garbage from ships and the possible penalties for failure to comply MARPOL Annex V.
- The declaration shall be placed on a placard at least 12.5 cm by 20 cm and shall be displayed in locations accessible to the crew and passengers, including the location of garbage collection.

② Garbage Management Plan

- Application : Every ship of 100 GT and above, every ship which is certified to carry 15 person or more, fixed or floating platforms
- Language : Working language of the ship's crew
- This plan shall include procedures for minimizing, collecting, storing, processing, and disposing of garbage, as well as guidelines for the operation of on-board equipment. Additionally, it shall designate the person in charge of carrying out the plan.

③ **Garbage Record Book**

- Application : Every ship of **100 GT and above**, every ship which is certified to carry 15 person or more (Any ships engaged on voyages of one (1) hour or less in duration are excluded), fixed or floating platforms
- Language : English, French or Spanish (An official language of the Flag can be written simultaneously)
- Each garbage discharge or incineration shall be recorded in the Garbage Record Book and signed for on the date of the incineration or discharge by the officer in charge. And a master of the ship shall sign each completed page of the garbage record book.
- The garbage record book shall be in the form specified in the MARPOL Annex V Appendix II and shall be kept on board for a period of two (2) years² after the last entry is made on the record.
- The entries to be written in the Garbage Record Book

Each discharge into the sea	date and time, position of the ship (latitude and longitude), category of the garbage, estimated amount of discharged (The start and stop positions of the ship in case of discharge of cargo residues)
Each discharge to a port reception facility or another ship	date and time, port or facility or name of ship, categories of garbage, estimated amount of discharged for each category (keep it with the receipt from reception facility)
Each completed incineration	date and time, position of the ship (latitude and longitude) at the start and stop of incineration, categories of garbage incinerated, estimated amount incinerated for each category

(2) Therefore, if you would like to obtain an IGPP DOC, please prepare the requirements specified in MARPOL Annex V (Placard, Garbage Management Plan, Garbage Record Book). Additionally, attach manuals related to the equipment for garbage handling (comminutor or grinder³, compactor or storage equipment⁴, incinerators⁵, etc.), and submit an application for an IGPP survey at the nearest branch office of KR.

² (paragraph 2, article 30 of the Marine Environment Management Act) Korean flagged ships and ships subject to the Marine Environment Management Act shall be preserved for a period of at least three years from the date of last entry made in it. If you have any questions regarding Korean flagged ships, please contact KR Statutory Service Team (statutory@krs.co.kr)

³ It is not subject to type-approval according to the MARPOL Annex V, but the size of comminuted or ground food waste by this equipment shall be capable of passing through a screen with openings no greater than 25 millimeters.

⁴ It is not subject to type-approval and is provided for the convenient treatment of garbage, therefore the verification is focused on performance, visual and installation condition.

⁵ If Incinerator is installed after 1 Jan 2000, it should be equipment type-approved by the administration in accordance with the requirements of Res.MEPC.76(40) or MEPC.244(66).

Attachment

1. MARPOL Annex V Reg.10 : Placards, garbage management plans and garbage record-keeping
2. MARPOL Annex V Appendix II : Form of Garbage Record Book
3. Res.MEPC.295(71) : 2017 Guidelines for the implementation of MARPOL Annex V
4. Res.MEPC.360(79) : Amendments to the International Convention for the Prevention of Pollution from ships, 1973, as modified by the Protocol of 1978 relating thereto MARPOL Annex V

Distributions : Ship owners, KR surveyors, Other relevant parties

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