

# Isle of Man Ship Registry Manx Shipping Notice

## Revised MARPOL Annex V

Ref. MSN 043  
Issued 06 Mar 2018

### 1 MARPOL ANNEX V

This MSN has been updated in March 2018 and now includes the amendments from MEPC.277(70) which entered into force on 1 March 2018. These amendments include a new definition of E-waste and new requirements for cargo residues. The format of the garbage record book has also been revised.

MARPOL Annex V prohibits the discharge of all garbage into the sea, except as expressly provided otherwise. The discharges permitted while en route include food wastes, cargo residues and water used for washing deck and external surfaces containing cleaning agents or additives which are not harmful to the marine environment.

### 2 SPECIAL AREAS

Special areas are seas which have particular pollution problems because of heavy maritime traffic or low water exchange due to the geography of the area.

For details of the garbage that may be discharged within special areas and outside of special areas, please see Appendix 3.

### 3 PLACARDS, GARBAGE MANAGEMENT PLAN AND GARBAGE RECORD BOOK

3.1 The requirements for placards, Garbage Management Plans and Garbage Record Books are as follows –

- a. for Isle of Man registered vessels, placards are to contain as a minimum the information stated in the examples shown in Appendix 4. This is in accordance with the sample placards as described in MEPC.295 (71).
- b. Garbage Management Plans are required for every ship of 100gt and above, fixed or floating platforms and every ship which is certified to carry 15 or more persons. The Garbage Management Plan shall be based on the guidelines developed by the IMO (publication IA656E) and Resolution MEPC.220(63) 2012.
- c. the types of vessels required to carry a Garbage Record Book include –
  - i. every ship of 400gt and above;
  - ii. every ship certified to carry 15 persons or more engaged in voyages to ports or offshore terminals under the jurisdiction of other Parties to MARPOL; and
  - iii. every fixed or floating platform.



- 3.2 The model formats of the Garbage Record Book and the Record of Garbage Discharges are included in Appendix 1 & 2. These are the latest versions effective from 1 March 2018.

The Isle of Man Ship Registry does not produce 'Garbage Record Books'. Companies may produce their own record book or use any book which follows the format prescribed by the International Maritime Organisation (IMO) – see Appendix 1.

The Garbage Record Book must be retained for a minimum period of 2 years after the last entry is made in the record.

- 3.3 For ships of all sizes, details of any accidental discharge or loss of garbage into the sea are required to be entered in the Official Log Book Narrative Section (section 8) and submitted to the Isle of Man Ship Registry on the Accident Report Form (ARF1).

For ships greater than 400gt an entry must also be made in the garbage record book concerning any accidental discharge or loss of garbage into the sea – refer to Appendix 1 part 4.1.4 for required entries.

#### **4 DEFINITION OF CARGO RESIDUES**

- 4.1 MARPOL Annex V has a general definition of cargo residues and the requirements for when they can and cannot be discharged. The definition is -

*'Cargo residues means the remnants of any cargo which are not covered by other Annexes to the present MARPOL Convention and which remain on the deck or in holds following loading or unloading, including loading and unloading excess or spillage, whether in wet or dry condition or entrained in wash water but does not include cargo dust remaining on the deck after sweeping or dust on the external surfaces of the ship.'*

- 4.2 Further clarification is provided in MEPC.295(71) as follows -

*'Cargo material contained in the cargo hold bilge water should not be treated as cargo residues if the cargo material is not harmful to the marine environment and the bilge water is discharged from a loaded hold through the ship's fixed piping bilge drainage system.'*

- 4.3 In accordance with MEPC.277(70), cargo residues are considered to be harmful to the marine environment (HME) if they are residues of solid bulk cargoes which are classified according to the criteria of the United Nations Globally Harmonized System of Classification and Labelling of Chemicals (GHS) meeting the following parameters:

1. Acute Aquatic Toxicity Category 1; and/or
2. Chronic Aquatic Toxicity Category 1 or 2; and/or
3. Carcinogenicity<sup>2</sup> Category 1A or 1B combined with not being rapidly degradable and having high bioaccumulation; and/or
4. Mutagenicity<sup>2</sup> Category 1A or 1B combined with not being rapidly degradable and having high bioaccumulation; and/or
5. Reproductive Toxicity<sup>2</sup> Category 1A or 1B combined with not being



rapidly degradable and having high bioaccumulation; and/or

6. Specific Target Organ Toxicity Repeated Exposure<sup>2</sup> Category 1 combined with not being rapidly degradable and having high bioaccumulation; and/or

7. Solid bulk cargoes containing or consisting of synthetic polymers, rubber, plastics, or plastic feedstock pellets (this includes materials that are shredded, milled, chopped or macerated or similar materials).

## **5 CLEANING AGENTS AND ADDITIVES**

5.1 Cleaning agents and additives contained in hold wash water, and deck and external surface wash water are considered 'operational wastes' and are classed as garbage under MARPOL Annex V.

5.2 Cleaning agents or additives may be discharged into the sea so long as they are not considered harmful to the marine environment, provided the cleaning agents or additives –

a. are not a 'harmful substance' in accordance with the criteria in MARPOL Annex III; and

b. do not contain any components which are known to be carcinogenic, mutagenic or reprotoxic.

5.3 In order to demonstrate that the cleaning agent or additive is not harmful to the environment, records must be available on the vessel containing evidence by the producer that the product meets the criteria for not being harmful to the marine environment. This could be in the form of a safety data sheet or a stand-alone document.

## **6 INADEQUENCIES OF PORT RECEPTION FACILITIES**

6.1 The master of a ship which encounters difficulties in discharging waste to port reception facilities should report the matter in accordance with MEPC.1/Circ.834/Rev.1. This circular contains a sample format for reporting matters to the flag State and the port State.

6.2 This document has been revised and the latest version shall be used from 1<sup>st</sup> March 2018. The latest version takes account of the most recent changes to MARPOL Annex V.

## **7 FURTHER INFORMATION**

7.1 Further information and clarification on definitions can be found in IMO Resolution MEPC.295(71) 2017, "Guidelines for the implementation of MARPOL Annex V".



## 8 APPENDICES

Appendix 1 - Model Form of the Garbage Record Book;  
Appendix 2 - Model Form of the Record of Garbage Discharges;  
Appendix 3 - Simplified overview of the discharge provisions of the revised MARPOL Annex V;  
Appendix 4 – Placards.

## 9 REFERENCE MATERIAL

Documents referred to in this notice:

- MARPOL Annex V, as adopted by Resolution MEPC.201(62) adopted on 15 July 2011;
- Resolution MEPC.220(63) - 2012 Guidelines for the development of garbage management plans;
- IMO publication IA656E - Guidelines for the development of garbage management plans;
- Resolution MEPC.277(70) - Amendments to MARPOL Annex V;
- Resolution MEPC.295(71) - 2017 Guidelines for the Implementation of MARPOL Annex V;
- Circular Letter MEPC.1/Circ.834/Rev.1 – Consolidated Guidance for Port Reception Facility Providers and Users;

*Please note - The Isle of Man Ship Registry cannot give Legal Advice. Where this document provides guidance on the law it should not be regarded as definitive. The way the law applies to any particular case can vary according to circumstances - for example, from vessel to vessel. You should consider seeking independent legal advice if you are unsure of your own legal position.*



## APPENDIX 1

### FORM OF GARBAGE RECORD BOOK

Name of ship \_\_\_\_\_

Distinctive number or letters \_\_\_\_\_

IMO Number \_\_\_\_\_

Period \_\_\_\_\_ From \_\_\_\_\_ To \_\_\_\_\_

#### 1 Introduction

In accordance with regulation 10 of Annex V of the International Convention for the Prevention of Pollution from Ships 1973, as modified by the Protocol of 1978 (MARPOL), a record is to be kept of each discharge operation or completed incineration. This includes discharges into the sea, to reception facilities, or to other ships, as well as the accidental loss of garbage.

#### 2 Garbage and garbage management

Garbage means all kinds of food wastes, domestic wastes and operational wastes, plastics, cargo residues, cooking oil, fishing gear, and animal carcasses generated during the normal operation of the ship and liable to be disposed of continuously or periodically except those substances which are defined or listed in other Annexes to the present Convention. Garbage does not include fresh fish and parts thereof generated as a result of fishing activities undertaken during the voyage, or as a result of aquaculture activities which involve the transport of fish including shellfish for placement in the aquaculture facilities and the transport of harvested fish including shellfish from such facilities to shore for processing.

The Guidelines for the Implementation of Annex V of MARPOL<sup>1</sup> should also be referred to for relevant information.

#### 3 Description of the garbage

Garbage is to be grouped into categories for the purposes of recording in parts I and II of the Garbage Record Book as follows:

##### Part I

- A Plastics
- B Food wastes
- C Domestic wastes
- D Cooking oil
- E Incinerator ashes
- F Operational wastes
- G Animal carcasses
- H Fishing gear
- I E-waste

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<sup>1</sup> Refer to the Guidelines for the Implementation of Annex V of MARPOL 73/78, as amended by resolutions.



## Part II

J Cargo residues (non-HME)

K Cargo residues (HME)"

### 4 Entries in the Garbage Record Book

4.1 Entries in the Garbage Record Book shall be made on each of the following occasions:

4.1.1 When garbage is discharged to a reception facility<sup>2</sup> ashore or to other ships:

- .1 Date and time of discharge
- .2 Port or facility, or name of ship
- .3 Categories of garbage discharged
- .4 Estimated amount discharged for each category in cubic metres
- .5 Signature of the officer in charge of the operation.

4.1.2 When garbage is incinerated:

- .1 Date and time of start and stop of incineration
- .2 Position of the ship (latitude and longitude) at the start and stop of incineration
- .3 Categories of garbage incinerated
- .4 Estimated amount incinerated in cubic metres
- .5 Signature of the officer in charge of the operation.

4.1.3 When garbage is discharged into the sea in accordance with regulations 4, 5 or 6 of Annex V of MARPOL:

- .1 Date and time of discharge
- .2 Position of the ship (latitude and longitude). Note: for cargo residue discharges, include discharge start and stop positions.
- .3 Category of garbage discharged
- .4 Estimated amount discharged for each category in cubic metres
- .5 Signature of the officer in charge of the operation.

4.1.4 Accidental or other exceptional discharges or loss of garbage into the sea, including in accordance with regulation 7 of MARPOL Annex V:

- .1 Date and time of occurrence
- .2 Port or position of the ship at time of occurrence (latitude, longitude and water depth if known)
- .3 Categories of garbage discharged or lost
- .4 Estimated amount for each category in cubic metres
- .5 The reason for the discharge or loss and general remarks.

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<sup>2</sup> Ship's masters should obtain from the operator of the reception facilities, which includes barges and trucks, a receipt or certificate specifying the estimated amount of garbage transferred. The receipts or certificates must be kept together with the Garbage Record Book.



## 4.2 Amount of garbage

The amount of garbage on board should be estimated in cubic metres, if possible separately according to category. The Garbage Record Book contains many references to estimated amount of garbage. It is recognized that the accuracy of estimating amounts of garbage is left to interpretation. Volume estimates will differ before and after processing. Some processing procedures may not allow for a usable estimate of volume, e.g. the continuous processing of food waste. Such factors should be taken into consideration when making and interpreting entries made in a record.



## APPENDIX 2

### "RECORD OF GARBAGE DISCHARGES

#### PART I

For all garbage other than cargo residues as defined in regulation 1.2 (Definitions)

(All ships)

Ship's name	Distinctive number or letters	IMO number
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#### Garbage categories

A-Plastics	B-Food waste	C-Domestic wastes	D-Cooking oil
E-Incinerator ashes	F-Operational wastes	G-Animal carcasses	H-Fishing gear I-E-waste

**Discharges under MARPOL Annex V regulations 4 (Discharge of garbage outside special areas), 5 (Special requirements for discharge of garbage from fixed or floating platforms) or 6 (Discharge of garbage within special areas) or chapter 5 of part II-A of the Polar Code**

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 <sup>3</sup> )	Remarks: (e.g. start/stop time and position of incineration; general remarks)	Certification/ Signature
			Into sea (m <sup>3</sup> )	To reception facilities or to another ship (m <sup>3</sup> )			
/ :							
/ :							
/ :							
/ :							

#### Exceptional discharge or loss of garbage under regulation 7 (Exceptions)

Date/ Time	Port or position of the ship (latitude/ longitude and water depth if known)	Category	Estimated amount lost or discharged (m <sup>3</sup> )	Remarks on the reason for the discharge or loss and general remarks (e.g. reasonable precautions taken to prevent or minimize such discharge or accidental loss and general remarks)	Certification/ Signature
/ :					
/ :					



**PART II**  
**For all cargo residues as defined in regulation 1.2 (Definitions)**

**(Ships that carry solid bulk cargoes)**

Ship's name	Distinctive number or letters	IMO number
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**Garbage categories**

<b>J- Cargo residues (non-HME)</b>	<b>K- Cargo residues (HME)</b>
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**Discharges under regulations 4 (Discharge of garbage outside special areas) and 6 (Discharge of garbage within special areas)**

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 <sup>3</sup> )	To reception facilities or to another ship (m <sup>3</sup> )		
/ :						
/ :						
/ :						
/ :						

Master's signature: \_\_\_\_\_ Date: \_\_\_\_\_"



### APPENDIX 3

Note this is intended as a summary reference. The provisions in MARPOL Annex V, rather than those in the table below prevail.

Garbage Type <sup>1</sup>	All ships except platforms <sup>4</sup>		Offshore platforms located more than 12 nm from nearest land and ships when alongside or within 500 metres of such platforms <sup>4</sup> Regulation 5
	Outside special areas and Arctic waters Regulation 4 (Distances are from the nearest land)	Within special areas and Arctic waters Regulation 6 (Distances are from nearest land, ice-shelf or nearest fast ice)	
Food waste comminuted or ground <sup>2</sup>	Discharge permitted ≥3 nm, en route and as far as practicable	≥12 nm, en route and as far as practicable <sup>3</sup>	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 <sup>5,6</sup> not contained in washwater	Discharge permitted ≥12 nm, en route and as far as practicable	Discharge prohibited	Discharge prohibited
Cargo residues <sup>5,6</sup> contained in washwater		≥12 nm, en route and as far as practicable (subject to conditions in regulation 6.1.2 and paragraph 5.2.1.5 of part II-A of the Polar Code)	
Cleaning agents and additives <sup>6</sup> contained in cargo hold washwater	Discharge permitted	≥12 nm, en route and as far as practicable (subject to conditions in regulation 6.1.2 and paragraph 5.2.1.5 of part II-A of the Polar Code)	Discharge prohibited
Cleaning agents and additives <sup>6</sup> in deck and external surfaces washwater		Discharge permitted	Discharge prohibited
Animal carcasses (should be split or otherwise treated to ensure the carcasses will sink immediately)	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

<sup>1</sup> 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.

<sup>2</sup> Comminuted or ground food wastes must be able to pass through a screen with mesh no larger than 25mm.

<sup>3</sup> 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.

<sup>4</sup> 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.

<sup>5</sup> Cargo residues means only those cargo residues that cannot be recovered using commonly available methods for unloading.

<sup>6</sup> These substances must not be harmful to the marine environment.



## APPENDIX 4

### PLACARDS

Placards on Isle of Man registered vessels are to contain as a minimum the information stated in the examples below.

1. For vessels of more than 12 metres in length overall for targeting crew and shipboard operations -

#### **Discharge of all garbage into the sea is prohibited except provided otherwise**

The MARPOL Convention and domestic law prohibit the discharge of most garbage from ships. Only the following garbage types are allowed to be discharged and under the specified conditions. Outside Special Areas designated under MARPOL Annex V and Arctic waters:

- Comminuted or ground food wastes (capable of passing through a screen with openings no larger than 25 millimetres) may be discharged not less than 3 nautical miles from the nearest land.
- Other food wastes may be discharged not less than 12 nautical miles from the nearest land.
- Cargo residues classified as not harmful to the marine environment may be discharged not less than 12 nautical miles from the nearest land.
- Cleaning agents or additives in cargo hold, deck and external surfaces washing water may be discharged only if they are not harmful to the marine environment.
- With the exception of discharging cleaning agents in washing water, the ship must be en route and as far as practicable from the nearest land.

Inside Special Areas designated under MARPOL Annex V and Arctic waters:

- More stringent discharge requirements apply for the discharges of food wastes and cargo residues; and
- Consult MARPOL Annex V, chapter 5 of part II-A of the Polar Code and the shipboard garbage management plan for details.

For all areas of the sea, ships carrying specialized cargoes such as live animals or solid bulk cargoes should consult Annex V and the associated Guidelines for the implementation of Annex V.

Discharge of any type of garbage must be entered in the Garbage Record Book

Violation of these requirements may result in penalties.



2. For fixed or floating platforms and ships operating within 500 metres of such platforms –

**Discharge of all garbage into the sea is prohibited  
except provided otherwise**

The MARPOL Convention and domestic law prohibit the discharge of all garbage into the sea from fixed or floating platforms and from all other ships when alongside or within 500 metres of such platforms.

Exception: Comminuted or ground food wastes may be discharged from fixed or floating platforms located more than 12 nautical miles from the nearest land and from all other ships when alongside or within 500 metres of such platforms. Comminuted or ground food wastes must be capable of passing through a screen no larger than 25 millimetres.

Discharge of any type of garbage must be entered in the Garbage Record Book  
Violation of these requirements may result in penalties.

3. For vessels which carry passengers –

**Discharge of all garbage into the sea is prohibited  
except provided otherwise**

The MARPOL Convention and domestic law generally prohibit the discharge of most forms of garbage from ships into the sea.

Violation of these requirements may result in penalties.  
All garbage is to be retained on board and placed in the bins provided.

- For all placards the declaration should be placed on a placard at least 12.5 cm by 20 cm, made of durable material and fixed in conspicuous and prominent places on board the ship. Placards should also be replaced when damage or wear compromises the readability of the declaration.
- The placards should be placed in prominent places where crew will be working and living, and in areas where bins are placed for collection of garbage. These places include galley spaces, mess room(s), wardroom, bridge, main deck and other areas of the ship, as appropriate. The placards should be displayed at line of sight height and be printed in the working language of the crew.
- Where the ship carries passengers, placards should also be placed in prominent places where passengers are accommodated and congregate. These include cabins and all deck areas for recreational purposes open to passengers.

