

**ANNEX 2**

**RESOLUTION MEPC.277(70)  
(Adopted on 28 October 2016)**

**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 MARPOL Annex V**

**(HME substances and Form of Garbage Record Book)**

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 seventieth session, proposed amendments to MARPOL Annex V concerning substances that are harmful to the marine environment (HME) and Form of Garbage Record Book,

1 ADOPTS, in accordance with article 16(2)(d) of MARPOL, amendments to MARPOL Annex V, 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 September 2017 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 March 2018 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 V  
(HME substances and Form of Garbage Record Book)**

**ANNEX V**

**REGULATIONS FOR THE PREVENTION OF POLLUTION BY GARBAGE FROM SHIPS**

**Regulation 4**

**Discharge of garbage outside special areas**

1 In the second sentence of paragraph 1.3, the words "taking into account guidelines developed by the Organization" are replaced with the words "in accordance with the criteria set out in appendix I of this Annex".

2 A new paragraph 3 is added as follows:

"3 Solid bulk cargoes as defined in regulation VI/1-1.2 of the International Convention for the Safety of Life at Sea (SOLAS), 1974 , as amended, other than grain, shall be classified in accordance with appendix I of this Annex, and declared by the shipper as to whether or not they are harmful to the marine environment\*."

3 The existing paragraph 3 is renumbered as paragraph 4.

**Regulation 6**

**Discharge of garbage within special areas**

4 Paragraph 1.2.1 is replaced with the following:

".1 Cargo residues contained in hold washing water do not include any substances classified as harmful to the marine environment according to the criteria set out in appendix I of this Annex;"

5 A new paragraph 1.2.2 is added as follows:

".2 Solid bulk cargoes as defined in regulation VI/1-1.2 of the International Convention for the Safety of Life at Sea (SOLAS), 1974 , as amended, other than grain, shall be classified in accordance with appendix I of this Annex, and declared by the shipper as to whether or not they are harmful to the marine environment\*;"

6 A new paragraph 1.2.3 is added as follows:

".3 Cleaning agents or additives contained in hold washing water do not include any substances classified as harmful to the marine environment taking into account guidelines developed by the Organization;"

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\* For ships engaged in international voyages, reference is made to section 4.2.3 of the International Maritime Solid Bulk Cargoes (IMSBC) Code; for ships not engaged in international voyages, other means of declaration may be used, as determined by the Administration.

7 The existing paragraphs 1.2.2 to 1.2.4 are renumbered as paragraphs 1.2.4 to 1.2.6. The renumbered paragraph 1.2.6 is amended to read as follows:

".6 Where the conditions of subparagraphs .2.1 to .2.5 of this paragraph have been fulfilled, discharge of cargo hold washing water containing residues shall be made as far as practicable from the nearest land or the nearest ice shelf and not less than 12 nautical miles from the nearest land or the nearest ice shelf."

## **Regulation 10**

### **Placards, garbage management plans and garbage record-keeping**

8 In the chapeau of paragraph 3, the words "the appendix" is replaced with the words "appendix II".

9 Paragraph 3.2 is replaced with the following:

".2 The entry for each discharge into the sea under regulations 4, 5, 6 or section 5.2 of chapter 5 of part II-A of the Polar Code shall include date and time, position of the ship (latitude and longitude), category of the garbage and the estimated amount (in cubic metres) discharged. For discharge of cargo residues the discharge start and stop positions shall be recorded in addition to the foregoing;"

10 After the existing paragraph 3.2, new paragraphs 3.3 and 3.4 are inserted as follows:

".3 The entry for each completed incineration shall include date and time and position of the ship (latitude and longitude) at the start and stop of incineration, categories of garbage incinerated and the estimated amount incinerated for each category in cubic metres;

".4 The entry for each discharge to a port reception facility or another ship shall include date and time of discharge, port or facility or name of ship, categories of garbage discharged, and the estimated amount discharged for each category in cubic metres;"

11 The existing paragraph 3.3 is renumbered as 3.5 and between the words "Book" and "shall", the words "along with receipts obtained from reception facilities" are inserted.

12 The existing paragraph 3.4 is renumbered as 3.6 and is replaced with the following:

".6 In the event of any discharge or accidental loss referred to in regulation 7 of this Annex an entry shall be made in the Garbage Record Book, or in the case of any ship of less than 400 gross tonnage, an entry shall be made in the ship's official log-book of the date and time of occurrence, port or position of the ship at time of occurrence (latitude, longitude and water depth if known), the reason for the discharge or loss, details of the items discharged or lost, categories of garbage discharged or lost, estimated amount for each category in cubic metres, reasonable precautions taken to prevent or minimize such discharge or accidental loss and general remarks."

13 A new appendix I is added as follows and the existing appendix is renumbered as appendix II:

### **"Appendix I**

#### **Criteria for the classification of solid bulk cargoes as harmful to the marine environment**

For the purpose of this Annex, 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<sup>1</sup>:

- .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)."

### **Appendix II**

#### **Form of Garbage Record Book**

14 Section 3 of the renumbered appendix II is replaced with the following:

#### **"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 (or ship's official log-book) as follows:

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<sup>1</sup> The criteria are based on UN GHS. For specific products (e.g. metals and inorganic metal compounds) guidance available in UN GHS, annexes 9 and 10 is essential for proper interpretation of the criteria and classification and should be followed.

<sup>2</sup> Products that are classified for Carcinogenicity, Mutagenicity, Reproductive Toxicity or Specific Target Organ Toxicity Repeated Exposure for oral and dermal hazards or without specification of the exposure route in the hazard statement.

**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

**Part II**

- J Cargo residues (non-HME)
- K Cargo residues (HME)"

15 The Record of Garbage Discharges in the renumbered appendix II is replaced with the following:

**"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 |
|-------------|-------------------------------|------------|

**Garbage categories**

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

**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/<br>Time | Position of the ship<br>(latitude/longitude)<br>or port if<br>discharged ashore<br>or name of ship if<br>discharged to<br>another ship | Category | Estimated amount<br>discharged   |  | Estimated<br>amount<br>incinerated<br>(m <sup>3</sup> ) | Remarks:<br>(e.g. start/stop<br>time and position<br>of incineration;<br>general remarks) | Certification/<br>Signature |
|---------------|--|----------|----------------------------------|--|---|---|-----------------------------|
|               |  |          | Into<br>sea<br>(m <sup>3</sup> ) | To<br>reception<br>facilities or<br>to another<br>ship (m <sup>3</sup> ) |   |   |                             |
| /             |  |          |                                  |  |   |   |                             |
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**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 |
|-----------|--|----------|---|--|-------------------------|
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Master's signature: \_\_\_\_\_ Date: \_\_\_\_\_

**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 |
|-------------|-------------------------------|------------|

**Garbage categories**

|                                    |                                |
|------------------------------------|--------------------------------|
| <b>J- Cargo residues (non-HME)</b> | <b>K- Cargo residues (HME)</b> |
|------------------------------------|--------------------------------|

**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> ) |  |                         |
|           |  |          |                             |  |  |                         |

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