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MINISTRY OF TRANSPORT AND COMMUNICATIONS
DEPARTMENT OF MARINE ADMINISTRATION

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Directive (2 / 2017)

Prevention of Pollution by Garbage from Ships

Applicable to : All Ship - owners, Ship Operators, Flag State Surveyors, Recognized Organizations, Masters and Officers of Myanmar Flagged Ships.

Reference :

- (a) Annex V of MARPOL 73/78 as amended
- (b) IMO Res. MEPC.201(62)
- (c) IMO Res. MEPC.219(63)
- (d) IMO Res. MEPC. 220 (63)
- (e) MEPC.1/ Circ.791
- (f) MEPC.1/Circ.810

1. The Department of Marine Administration circulates this directive in the exercise of the power of Section 294(B), paragraph (b) of Myanmar Merchant Shipping Act 1923, as amended.

2. This directive applies to Myanmar flagged ships for the prevention of pollution by Garbage from ships in accordance with MARPOL Annex V. Certification is not necessary but three documents such as Garbage Placards, Garbage Management Plans and Garbage record books, shall be established onboard as follows;

- a. Every ship of 12 m or more in length overall and fixed or floating platforms shall display placards. The placards shall be written in the English and/or Myanmar language.
- b. Every ship of 100 gross tonnage and above, and every ship which is certified to carry 15 or more persons, and fixed or floating platforms shall carry a Garbage Management Plan. This plan shall provide written procedures for minimizing, collecting, storing, processing and disposing of ship-generated garbage, including the use of the equipment on board. It shall also designate the person or persons in charge of carrying out the plan. Such a plan shall be in accordance with the guidelines developed by the organization and written in the English and/or Myanmar language.

- c. Every ship of 400 gross tonnage and above and every ship which is certified to carry 15 or more persons engaged in voyages to ports or offshore terminals under the jurisdiction of another Party to the Convention and every fixed or floating platform shall be provided with a Garbage Record Book. There shall also be a Garbage Record Book for recording each discharge into the sea or a reception facility or completed incineration. The competent authority of the Government of a Party to the Convention may inspect the Garbage Record Book onboard any ship to which regulation 10 of Annex V applies while the ship is in its ports or offshore terminals, and may make a copy of any entry in that book, and may require the master of the ship to certify that the copy is a true copy of such an entry.
3. For the Antarctic area, the ship owner and the master of a ship shall ensure that-
- (a) Arrangements have been made to discharge the garbage at a reception facility at ports depart en route to or arrive from the Antarctic area. (Reg. 6.3.1 of MARPOL Annex V) and
 - (b) The ship, before entering the Antarctic area, has sufficient capacity on board for the retention of all garbage, while operating in the area and has conclude arrangements to discharge such garbage at a reception facility after leaving the area; (Reg. 6.3.2 of MARPOL Annex V).
4. The National Guidance for the Prevention of Pollution by Garbage from Ships is set out by Department of Marine Administration to fulfill the relevant requirements of the above-mentioned references.



Maung Maung Oo
Director General
Department of Marine Administration



Department of Marine Administration
Ministry of Transport and Communications
Republic of the Union of Myanmar

NATIONAL GUIDANCE FOR THE PREVENTION OF POLLUTION BY GARBAGE FROM SHIPS

2017



Introduction

1. The DMA has established to Myanmar registered ships to provide a systematic approach to the enforcement and control of garbage in the marine environment. Three documents such as Garbage Placards, Garbage Management Plans and Garbage Record Books, are required to be established onboard as follows;
2. Every ship of 100 gross tonnage and above, and every ship certified to carry 15 persons or more, and fixed or floating platforms shall carry a garbage management plan.
3. Additionally, every ship of 400 gross tonnage and above, and every ship certified to carry 15 persons or more engaged in voyages to ports or offshore terminals under the jurisdiction of another party to MARPOL and every fixed or floating platform shall carry a Garbage Record Book. Also, every ship of 12 meters or more in length overall and fixed or floating platforms shall display placards to notify the crew and passengers of the ship's disposal requirements.
4. Depending on ship type, area of operation and size of crew, ships may be equipped with incinerators, compactors, comminutes or other devices for garbage processing.
5. This National Guidance for the Prevention of Pollution by Garbage from Ships is set out on 1st March 2017 according to Directive 2/2017 in the exercise of the power of Section 294(B), paragraph (b) of Myanmar Merchant Shipping Act 1923 as amended.

NATIONAL GUIDANCE FOR THE PREVENTION OF POLLUTION BY GARBAGE FROM SHIPS

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**NATIONAL GUIDANCE FOR THE PREVENTION OF POLLUTION BY GARBAGE
FROM SHIPS
PART A (GENERAL)**

1. Policy

This Guidance defines the rules and responsibility for the Prevention and Pollution from Ships.

2. Purpose

To provide general information and requirements that implement Annex V of the International Convention for the prevention of pollution from ships (MARPOL) and to assist ship owners, ship's masters and crews in applying the Annex V discharge requirements.

3. Application

This Prevention of Pollution by Garbage from Ships applies to shipping companies and their seafarers employed on Myanmar flagged ships.

If Myanmar flagged ships operate in polar water, It shall comply with the environment-related provisions of the introduction and with chapter 5 of part II-A and Part II-B of the Polar Code, in addition to any other applicable requirements of Annex V of MARPOL Convention.

4. Responsibility

4.1. The Shore-based Management of the Shipping Company is responsible for

- .1 the recommendations and guidelines,
- .2 the close monitoring on the implementation, and
- .3 the further improvement, if any as based on the findings of the implementation.

4.2. The Ship Master is responsible for

- .1 Monitoring the three documents onboard,
- .2 Monitoring the performance of ship's officers and seafarers,
- .3 Close monitoring and improvement of the process and
- .4 Monitoring the reception facilities in a port adequate.

5. Definitions

5.1 Garbage means all kinds of food wastes, domestic wastes and operational wastes, all plastics, cargo residues, incinerator ashes, 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 facility and the transport of harvested fish including shellfish from such facilities to shore for processing.

5.2 Plastic means a solid material which contains as an essential ingredient one or more high molecular mass polymers and which is formed (shaped) during either manufacture of the polymer or the fabrication into a finished product by heat and/or pressure. Plastics have material properties ranging from hard and brittle to soft and elastic. For the purposes of this annex, "all plastics" means all garbage that consists of or includes plastic in any form, including synthetic ropes, synthetic fishing nets, plastic garbage bags and incinerator ashes from plastic products.

5.3 Food wastes means any spoiled or unspoiled food substances and includes fruits, vegetables, dairy products, poultry, meat products and food scraps generated aboard ship.

5.4 Domestic wastes means all types of wastes not covered by other Annexes that are generated in the accommodation spaces on board the ship. Domestic wastes does not include grey water

5.5 Cooking oil means any type of edible oil or animal fat used or intended to be used for the preparation or cooking of food, but does not include the food itself that is prepared using these oils.

5.6 Incinerator ashes means ash and clinkers resulting from shipboard incinerators used for the incineration of garbage.

5.7 Operational wastes means all solid wastes (including slurries) not covered by other Annexes that are collected on board during normal maintenance or operations of a ship, or used for cargo stowage and handling. Operational wastes also includes cleaning agents and additives contained in cargo hold and external wash water. Operational wastes does not include grey water, bilge water, or other similar discharges essential to the operation of a ship, taking into account the guidelines developed by the Organization.

5.8 Cargo residues means the remnants of any cargo which are not covered by other Annexes to the present 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.

5.9 Animal carcasses means the bodies of any animals that are carried on board as cargo and that die or are euthanized during the voyage.

5.10 Fishing gear means any physical device or part thereof or combination of items that may be placed on or in the water or on the sea-bed with the intended purpose of capturing, or controlling for subsequent capture or harvesting, marine or fresh water organisms.

5.11 En route means that the ship is underway at sea on a course or courses, including deviation from the shortest direct route, which as far as practicable for navigational purposes, will cause any discharge to be spread over as great an area of the sea as is reasonable and practicable.

5.12 Fixed or floating platforms means fixed or floating structures located at sea which are engaged in the exploration, exploitation or associated offshore processing of sea-bed mineral resources.

5.13 Nearest land. The term "**from the nearest land**" means from the baseline from which the territorial sea of the territory in question is established in accordance with international law, except that,

- (a) Whereby reason of the geographical conditions prevailing on the coasts of Myanmar or of the economic requirements of the coastal regions straight baseline have been drawn fixed points on the mainland, on islands or rocks, measurement shall be made from such baselines. The fixed points between which such straight baselines shall be drawn are indicated in detail in the following:

1. Arakan coast

- | | | |
|-------------------------------------|-------------------|--------------------|
| (a) Southern Point of MAYU ISLAND | Lat. 20° 11'49" N | Long. 92° 32'19" E |
| (b) BORONGA POINT | Lat. 19° 48'30" N | Long. 93° 01'42" E |
| (c) SOUTH TERRIBLES | Lat. 19° 22'56" N | Long. 93° 16'20" E |
| (d) Western Point of HENRY ROCKS | Lat. 18° 51'48" N | Long. 93° 26'15" E |
| (e) Western Point of ERBUDDA ISLAND | Lat. 18° 20'50" N | Long. 93° 56'25" E |
| (f) ST. JOHN'S or CHURCH ROCKS | Lat. 17° 27'39" N | Long. 94° 19'46" E |
| (g) NORTH-WEST GROUP | Lat. 16° 55'28" N | Long. 94° 12'45" E |
| (h) KORONGEIS LAND | Lat. 16° 31'20" N | Long. 94° 14'21" E |
| (i) SOUTH ROCK | Lat. 16° 18'55" N | Long. 94° 11'20" E |
| (j) BLACK ROCK | Lat. 16° 11'50" N | Long. 94° 10'50" E |
| (k) ALGUADA REEF (PATHEIN LIGHT) | Lat. 15° 42'13" N | Long. 94° 12'06" E |

2. Gulf of Martaban

- | | | |
|---------------------------------------|-------------------|--------------------|
| (a) ALGUADA REEF (PATHEIN LIGHT).... | Lat. 15° 42'13" N | Long. 94° 12'06" E |
| (b) Western Point of LONG ISLAND..... | Lat. 14° 24'15" N | Long. 97° 46'02" E |

3. Tenasserim coast

- | | | |
|---------------------------------------|-------------------|--------------------|
| (a) Western Point of LONG ISLAND.... | Lat. 14° 24'15" N | Long. 97° 46'02" E |
| (b) NORTH ISLAND | Lat. 14° 09'00"N | Long. 97° 46'54" E |
| (c) WEST CANISTER ISLAND..... | Lat. 12° 41'30" N | Long. 97° 43'40" E |
| (d) Northern Point of SAURIM ISLAND.. | Lat. 12° 30'30"N | Long. 97° 47'42" E |
| (e) Western Point of H. PRINCE | Lat. 12° 03'03"N | Long. 97° 38'00" E |

ISLAND

- (f) GREATWESTERN Lat. 11° 47'15" N Long. 97° 26'15" E
TORRES.....
- (g) North-western Point Lat. 10° 38'15" N Long. 97° 41'45" E
of NORTHTWIN
- (h) Western Point of SOUTH Lat. 10° 28'12" N Long. 97° 40'45" E
TWIN.....
- (i) WESTERN ROCKY Lat. 09° 51'24" N Long. 97° 52'18" E
ISLAND.....
- (j) HAYCOCK Lat. 09° 40'45" N Long. 97° 54'30" E
ISLAND.....
- (k) Western Point of MURRAY Lat. 09° 35'54" N Long. 97° 58'12" E
ISLAND...

4. **Preparis Islands**

- (a) North Western Point of Cow Lat. 14° 56'07"N Long. 93° 38' 46"E
and Calf Island
- (b) Western Point of Ohn Pin Lat. 14° 52'15"N Long. 93° 34' 08"E
Island
- (c) North Western Point of Thee Lat. 4° 51' 40"N Long. 93° 34' 12"E
Phyu Island
- (d) North Western Point of Sin Lat. 4° 50' 56"N Long. 93° 34'10"E
Island
- (e) NorthWestern Point of Lu Lat. 14° 47' 24"N Long. 93° 32'59"E
Gaung Island
- (f) Southern Point of LuGaung Lat. 14° 47' 08"N Long. 93° 33' 00"E
Island
- (g) Southern Point of Preparis Lat. 14° 50' 17"N Long. 93° 36' 40"E
Island
- (h) North Eastern Point of Lat. 14° 53' 54"N Long. 93° 38' 35"E
Preparis Island
- (i) Eastern Point of Cowand Lat. 14° 55' 52"N Long. 93° 39' 06"E
Calf Island

5. **CoCo Islands**

- (a) North Eastern Point of Lat. 14° 11' 33"N Long. 93° 22'20"E
Mingalar Island
- (b) Western Point of Slipper Island Lat. 14° 11 28"N Long. 93° 21' 17"E
- (c) North Western Point of Little Lat. 14° 00' 55"N Long. 93° 13' 09"E
Co CoIsland
- (d) Southern Point of Little Co Co Lat. 13° 58' 18"N Long. 93° 13' 22"E
Island

- (e) Southern Point of Jerry Island Lat. 14° 02' 54"N Long. 93° 21' 52"E
- (f) North Eastern Point of Great Co Co Island Lat. 14° 08' 48"N Long. 93° 22' 41"E

5.14 Special area means a sea area where for recognized technical reasons in relation to its oceanographic and ecological condition and to the particular character of its traffic the adoption of special mandatory methods for the prevention of sea pollution by garbage is required.

The special areas are the Mediterranean Sea area, the Baltic Sea area, the Black Sea area, the Red Sea area, the Gulfs area, the North Sea area, the Antarctic area and the Wider Caribbean Region, which are defined as follows:

- .1 The Mediterranean Sea area means the Mediterranean Sea proper including the gulfs and seas there in with the boundary between the Mediterranean and the Black Sea constituted by the 41° N parallel and bounded to the west by the Straits of Gibraltar at the meridian 5°36' W.
- .2 The Baltic Sea area means the Baltic Sea proper with the Gulf of Bothnia and the Gulf of Finland and the entrance to the Baltic Sea bounded by the parallel of the Skaw in the Skagerrak at 57° 44.8' N.
- .3 The Black Sea area means the Black Sea proper with the boundary between the Mediterranean and the Black Sea constituted by the parallel 41° N.
- .4 The Red Sea area means the Red Sea proper including the Gulfs of Suez and Aqaba bounded at the south by the rhumb line between Rasal Hadd (12° 28.5' N, 43° 19.6' E) and Husn Murad (12° 40.4' N, 43° 30.2' E).
- .5 The Gulfs area means the sea area located north-west of the rhumb line between Rasal Hadd (22° 30' N, 59° 48' E) and Rasal Fasteh (25° 04' N, 61° 25' E).
- .6 The North Sea area means the North Sea proper including seas there in with the boundary between:
 - .1 the North Sea southwards of latitude 62° N and eastwards of longitude 4° W;
 - .2 the Skagerrak, the southern limit of which is determined east of the Skaw by latitude 57° 44.8' N; and
 - .3 the English Channel and its approaches eastwards of longitude 5° W and northwards of latitude 48° 30' N.
- .7 The Antarctic area means the sea area south of latitude 60° S.
- .8 The Wider Caribbean Region means the Gulf of Mexico and Caribbean Sea proper including the bays and seas therein and that portion of the Atlantic Ocean within

the boundary constituted by the 30° N parallel from Florida eastward to 77°30' W meridian, thence a rhumb line to the intersection of 20° N parallel and 59° W meridian, thence a rhumb line to the intersection of 7°20' N parallel and 50°W meridian, thence a rhumb line drawn south westerly to the eastern boundary of French Guiana.

5.15 Polar Code means the International Code for Ships Operating in Polar Waters, consisting of an introduction, Part I-A and part II-A and parts I-B and II-B, as adopted by resolution MSC.385(94) and MEPC. 264(68), as may be amended, provided that:

- .1 amendments to the environment-related provisions of the introduction and chapter 5 of part II-A of the Polar Code are adopted, brought into force and take effect in accordance with the provisions of article 16 of the present Convention concerning the amendment procedures applicable to an appendix to an annex; and
- .2 amendments to part II-B of the Polar Code are adopted by the Marine Environment Protection Committee in accordance with its Rules of Procedure.

5.16 Arctic waters means those waters which are located north of a line from the latitude 58° 00.0'N and longitude 042° 00.0'W to latitude 64° 37.0' N, longitude 035° 27.0'W and thence by a rhomb line to latitude 67° 03.9'N, longitude 026° 33.4' W and thence by a rhomb line to the latitude 70° 49.56'N and longitude 008° 59.61'W (Sorkapp, janMayen) and by the southern shore of jan Mayen to 73° 31.6'N and 019° 01.0' E by the Island of Bjornoya, and thence by a great circle line to the latitude 68° 38.29N and longitude 043° 23.08'E(Cap Kanin Nos) and thence by the northern shore of the Asian Continent eastward to the Bering Strait and thence from the Bering Strait westward to latitude 60°N as far as II'pyrskiy and following the 60th North parallel eastward as far as and including Etolin Strait and thence by the northern shore of the North American continent as far south as latitude 60°N and thence eastward along parallel of latitude 60N, to longitude 056° 37.1' W and thence to the latitude 58° 00.0'N, longitude 042° 00.0'W.

5.17 Polar waters means Arctic waters and/or the Antarctic area.

6. General prohibition on discharge of garbage into the sea

6.1 Discharge of all garbage into the sea is prohibited, except as provided other wise in section 7,8,9 and 10 of this guidance.

6.2 Except as provided in section 10 of this guidance, discharge into the sea of all plastics, including but not limited to synthetic ropes, synthetic fishing nets, plastic garbage bags and incinerator ashes from plastic products is prohibited.

6.3 Except as provided in section 10 of this guidance, the discharge into the sea of cooking oil is prohibited

7. Discharge of garbage outside special areas

7.1 Discharge of the following garbage into the sea outside special areas shall only be permitted while the ship is en route and as far as practicable from the nearest land, but in any case not less than:

- .1 3 nautical miles from the nearest land for food wastes which have been passed through a comminutes or grinder. Such comminuted or ground food wastes shall be capable of passing through a screen with openings no greater than 25 mm.
- .2 12 nautical miles from the nearest land for food wastes that have not been treated in accordance with subparagraph .1 above.
- .3 12 nautical miles from the nearest land for cargo residues that cannot be recovered using commonly available methods for unloading. These cargo residues shall not contain any substances classified as harmful to the marine environment, taking into account guidelines developed by the Organization.
- .4 For animal carcasses, discharge shall occur as far from the nearest land as possible, taking into account the guidelines developed by the Organization.

7.2 Cleaning agents or additives contained in cargo hold, deck and external surfaces wash water may be discharged into the sea, but these substances must not be harmful to the marine environment in accordance with the criteria set out in section 18.6 of this guidance.

7.3 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 section 18.6 of this guidance and declared by the shipper as to whether or not they are harmful to the marine environment.

7.4 When garbage is mixed with or contaminated by other substances prohibited from discharge or having different discharge requirements, the more stringent requirements shall apply.

8. Special requirements for discharge of garbage from fixed or floating platforms

8.1 Subject to the provisions of paragraph 2 of this guidance, the discharge into the sea of any garbage is prohibited from fixed or floating platforms and from all other ships when alongside or within 500 m of such platforms.

8.2 Food wastes may be discharged into the sea 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 m of such platforms, but only when the wastes have been passed through a comminutes or grinder. Such comminuted or ground food wastes shall be capable of passing through a screen with openings no greater than 25 mm.

9. Discharge of garbage within special areas

9.1 Discharge of the following garbage into the sea within special areas shall only be permitted while the ship is en route and as follows:

- .1 Discharge into the sea of food wastes as far as practicable from the nearest land, but not less than 12 nautical miles from the nearest land or the nearest ice shelf. Food wastes shall be comminuted or ground and shall be capable of passing through a screen with openings no greater than 25 mm. Food wastes shall not be contaminated by any other garbage type. Discharge of introduce dvian products, including poultry and poultry parts, is not permitted in the Antarctic area unless it has been treated to be made sterile.
- .2 Discharge of cargo residues that cannot be recovered using commonly available methods for unloading, where all the following conditions are satisfied:
 - .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 of Annex V of MARPOL.
 - .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 of Annex V of MARPOL, and declared by the shipper as to whether or not they are harmful to the marine environment.
 - .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.
 - .4 Both the port of departure and the next port of destination are within the special area and the ship will not transit outside the special area between those ports;
 - .5 No adequate reception facilities are available at those ports taking into account guidelines developed by the Organization; and
 - .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.

9.2 Cleaning agents or additives contained in deck and external surfaces wash water may be discharged into the sea, but only if these substances are not harmful to the marine environment, taking into account guidelines developed by the Organization.

9.3 The following rules (in addition to the rules in paragraph 1 of this regulation) apply with respect to the Antarctic area:

- .1 Each Party at whose ports ships depart en route to or arrive from the Antarctic area undertakes to ensure that as soon as practicable adequate facilities are provided for the reception of all garbage from all ships, without causing undue delay, and according to the needs of the ships using them.
- .2 Department of Marine Administration shall ensure that all ships entitled to fly its flag, before entering the Antarctic area, have sufficient capacity on board for the retention of all garbage, while operating in the area and have concluded arrangements to discharge such garbage at a reception facility after leaving the area.

9.4 When garbage is mixed with or contaminated by other substances prohibited from discharge or having different discharge requirements, the more stringent requirements shall apply.

10. Exceptions

10.1 Section 6,7, 8 and 9 of this guidance and section 5.2 of chapter 5 of part II-A of the Polar Code shall not apply to:

- .1 The discharge of garbage from a ship necessary for the purpose of securing the safety of a ship and those on board or saving life at sea; or
- .2 The accidental loss of garbage resulting from damage to a ship or its equipment, provided that all reasonable precautions have been taken before and after the occurrence of the damage, to prevent or minimize the accidental loss; or
- .3 The accidental loss of fishing gear from a ship provided that all reasonable precautions have been taken to prevent such loss; or
- .4 The discharge of fishing gear from a ship for the protection of the marine environment or for the safety of that ship or its crew.

10.2 Exception of en route:

- .1 The en route requirements of section 7 and 9 of this guidance and chapter 5 of part II-A of the Polar Code shall not apply to the discharge of food wastes where it is clear the retention on board of these food wastes presents an imminent health risk to the people on board.

11. Reception facilities

Each Party undertakes to ensure the provision of adequate facilities at ports and terminals for the reception of garbage without causing undue delay to ships, and according to the needs of the ships using them.

12. Port State Control on operational requirements

12.1 A ship when in a port or an off shore terminal of another Party is subject to inspection by officers duly authorized by such Party concerning operational requirements under Annex V of MARPOL, where there are clear grounds for believing that the master or crew are not familiar with essential shipboard procedures relating to the prevention of pollution by garbage.

12.2 In the circumstances given in paragraph 12.1, the Party shall take such as will ensure that the ship shall not sail until the situation has been brought to order in accordance with the requirements of Annex V of MARPOL Convention.

12.3 Procedures relating to the port state control prescribed in article 5 of the present Convention shall apply to this regulation.

12.4 Nothing in this section 12 shall be construed to limit the rights and obligations of a Party carrying out control over operational requirements specifically provided for in the present Convention.

13. Placards, garbage management plans and garbage record-keeping

13.1.1 Every ship of 12 m or more in length overall and fixed or floating platforms shall display placards which notify the crew and passengers of the discharge requirements of section 6,7,8 and 9 of this guidance and section 5.2 of part II-A of the Polar Code, as applicable.

13.1.2 The placards shall be written in the working language of the ship's crew and, for ships engaged in voyages to ports or offshore terminals under the jurisdiction of other Parties to the Convention, shall also be in English or Working language of the crew.

13.2 Every ship of 100 gross tonnage and above, and every ship which is certified to carry 15 or more persons, and fixed or floating platforms shall carry a garbage management plan which the crew shall follow. This plan shall provide written procedures for minimizing, collecting, storing, processing and disposing of garbage, including the use of the equipment on board. It shall also designate the person or persons in charge of carrying out the plan. Such a plan shall be based on the IMO Guidelines and written in the English or Working language of the crew.

13.3 Every ship of 400 gross tonnage and above and every ship which is certified to carry 15 or more persons engaged in voyages to ports or offshore terminals under the jurisdiction of another Party to the Convention and every fixed or floating platform shall be provided with a Garbage Record Book. The Garbage Record Book, whether as a part of the ship's official log-book or otherwise, shall be in the form specified in section 18.6 of this guidance:

- .1 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 for on the date of the discharge or incineration by the officer in charge. Each completed page of the Garbage Record Book shall be signed by the master of the ship. The entries in the

Garbage Record Book shall be at least in English. Where the entries are also made in an official language of the State whose flag the ship is entitled to fly, the entries in that language shall prevail in case of a dispute or discrepancy;

- .2 The entry for each discharge into the sea under section 6,7, 8 and 9 of this guidance 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 meters) discharged. For discharge of cargo residues the discharge start and stop positions shall be recorded in addition to the foregoing.
- .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 meters;
- .4 The entry of each discharge to a port reception facility or another ship shall include date and time of discharge, port of facility or name of ship, categories of garbage discharged, and the estimated amount discharged for each category in cubic meters;
- .5 The Garbage Record Book along with receipts obtained from reception facilities shall be kept on board the ship or the fixed or floating platform, and in such a place as to be readily available for inspection at all reasonable times. This document shall be preserved for a period of at least two years from the date of the last entry made in it;
- .6 In the event of any discharge or accidental loss referred to in section 10 of this guidance, 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 cubicmeters, reasonable precautions taken to prevent or minimize such discharge or accidental loss and general remarks.

13.4 The Administration may waive the requirements for Garbage Record Books for:

- .1 Any ship engaged on voyages of one (1) hour or less in duration which is certified to carry 15 or more persons; or
- .2 Fixed or floating platforms.

13.5 The competent authority of the Government of a Party to the Convention may inspect the Garbage Record Books or ship's official log-book on board any ship to which this regulation applies while the ship is in its ports or offshore terminals and may make a copy of any entry in

those books, and may require the master of the ship to certify that the copy is a true copy of such an entry. Any copy so made, which has been certified by the master of the ship as a true copy of an entry in the ship's Garbage Record Book or ship's official log-book, shall be admissible in any judicial proceedings as evidence of the facts stated in the entry. The inspection of a Garbage Record Book or ship's official log-book and the taking of a certified copy by the competent authority under this paragraph shall be performed as expeditiously as possible without causing the ship to be unduly delayed.

13.6 The accidental loss or discharge of fishing gear as provided for in section 10.1.3 and 10.1.4 of this guidance which poses a significant threat to the marine environment or navigation shall be reported to the State whose flag the ship is entitled to fly, and, where the loss or discharge occurs within waters subject to the jurisdiction of a coastal State, also to that coastal State.

14. Port State control on operational requirements

14.1 A ship when in a port or an offshore terminal of another Party is subject to inspection by officers duly authorized by such Party concerning operational requirements under this Annex, where there are clear grounds for believing that the master or crew are not familiar with essential shipboard procedures relating to the prevention of pollution by garbage.

14.2 In the circumstances given in paragraph 1 of this section, the Party shall take such steps as will ensure that the ship shall not sail until the situation has been brought to order in accordance with the requirements of this Annex.

14.3 Procedures relating to the port State control prescribed in article 5 of the present Convention shall apply to this regulation.

14.4 Nothing in this regulation shall be construed to limit the rights and obligations of a Party carrying out control over operational requirements specifically provided for in the present Convention.

15. References

- (a) Annex V of MARPOL 73/78, as amended
- (b) IMO Res.MEPC.220 (63) : Guidelines for the development of Garbage Managements Plans
- (c) IMO Res. MEPC. 264 (68): International Code for ships operating in Polar waters (POLAR Code)
- (d) IMO Res. MEPC.277 (70) : Amendments to the annex of the international convention for the prevention of pollution from ships, 1973, as amended
- (e) IMO Res. MEPC 295(71) : Guidelines for the implementation of MARPOL Annex V
- (f) National Guidance for the prevention of pollution by Garbage from ships

**NATIONAL GUIDANCE FOR THE PREVENTION OF POLLUTION BY
GARBAGE FROM SHIPS
PART B (DOCUMENTS)**

16. GARBAGE PLACARDS

16.1 Every ship of 12 m or more in length overall and fixed or floating platforms shall display placards which notify the crew and passengers of the discharge requirements that apply to the ship. The placards shall be written in the English language.

16.2 Myanmar flagged ships on international voyages and visiting ports of a country that are party to MARPOL Annex V shall meet the following sample of garbage placards to avoid port state control action.

**SUMMARY OF RESTRICTIONS TO THE DISCHARGE OF GARBAGE INTO THE
SEA UNDER
REGULATIONS OF MARPOL ANNEX V**

Garbage Type ¹	All Ships except Platforms ⁴		Offshore platforms located more than 12 nm from nearest land and ships when along side or within 500 metres of such platforms ⁴
	Outside special areas ⁷ (Distances are from the nearest land)	Within special areas ⁸ (Distances are from nearest land or nearest ice shelf)	
Food waste comminuted or ground ²	>3 nm, en route and as far as practicable	>12 nm, en route and as far as practicable ⁴	Discharge permitted
Food waste Not comminuted or ground	>12 nm, en route and as far as practicable	Discharge prohibited	Discharge permitted
Cargo residues ^{5,6} , not contained in wash water	>12 nm, en route and as far as practicable	Discharge prohibited	Discharge prohibited
Cargo residues ^{5,6} , contained in wash water		>12 nm, en route and as far as practicable (subject to conditions in regulation 6.1.2)	
Cleaning agents and additives contained in cargo hold 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 in deck and external surfaces wash water		Discharge permitted	
Animal Carcasses (should be split or other wise 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

¹When garbage is mixed with or contaminated by other harmful substances prohibited from discharge or having different discharge requirements, the more stringent requirements shall apply.

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

³The discharge of introduced avian products in the Antarctic area is not permitted unless incinerated, autoclaved or otherwise treated to be made sterile.

⁴Offshore 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.

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

⁶These substances must not be harmful to the marine environment.

⁷ In Arctic area, discharge of garbage into the sea permitted in accordance with regulation of MARPOL Annex V, shall meet the additional requirements prescribed in section 5.2.1 Part II-A of MEPC 264(68)

⁸ In Arctic area, discharge of garbage into the sea permitted in accordance with regulation of MARPOL Annex V, shall meet the additional requirements prescribed in section 5.2.2 Part II-A of MEPC 264 (68)

⁹ For more detailed guidance regarding the respective discharge requirements, refer to the text of MARPOL Annex V, or to the 2012 Guidelines for the implementation of MARPOL Annex V and Part II-A of MEPC 264(68)

Sample Placards

Discharge of all garbage into the sea is prohibited except when specifically allowed

The MARPOL Convention and Myanmar law prohibited 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;

- Comminuted or ground food wastes (capable of passing through a screen with openings no large than 25 millimeters (1 inch)) 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 discharge 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:

- More stringent discharge requirements apply for the discharges of food wastes and cargo residues; and
 - Consult Annex V and the shipboard garbage management plan for details.
- For all areas of the sea, ships carrying specialized cargos such as live animals or solid bulk cargoes should consult Annex V and the associated Guidelines for 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.

Sample Placards

Discharge of all garbage into the sea is prohibited except when specifically allowed

The MARPOL Convention and Myanmar 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 meters (1650 feet) 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 500meters (1650 feet) of such platforms. Comminuted or ground food wastes must be capable of passing through a screen no longer than 25 millimeters (1 inch).

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

The MARPOL Convention and Myanmar law 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 retained onboard and placed in the bins provided.

17. GARBAGE MANAGEMENT PLANS

17.1 GENERAL

17.1.1 Every ship of 100 gross tonnage and above, and every ship certified to carry 15 or more persons, and fixed or floating platforms shall carry a garbage management plan;

17.1.2 These Guidance provide direction on complying with the requirements for a ship's garbage management plan, and are intended to assist the shipowner/operator in the implementation of regulation 10.2 of the revised MARPOL Annex V. It is assumed that the author of the garbage management plan is familiar with the requirements of the revised MARPOL Annex V and the IMO Guidelines for the Implementation of MARPOL Annex V.

17.1.3 Shipowners and operators should also consult other available technical guidance on shipboard garbage handling such as, ISO 21070 "Standard for the Management and handling of shipboard garbage" which outlines best management practices for shipboard garbage management and, to the extent it is consistent with the revised MARPOL Annex V, should be incorporated in any garbage management plan.

17.1.4 A ship's garbage management plan shall detail the specific ship's equipment, arrangements and procedures for the handling of garbage. The plan may contain extracts and/or references to existing company instructions.

17.2 REGULATORY REQUIREMENTS

17.2.1 Regulation 10.2 of MARPOL Annex V reads as follows:

"Every ship of 100 gross tonnage and above, and every ship which is certified to carry 15 or more persons, and fixed or floating platforms, shall carry a garbage management plan which the crew shall follow. This plan shall provide written procedures for minimizing, collecting, storing, processing and disposing of garbage, including the use of the equipment on board. It shall also designate the person or persons in charge of carrying out the plan. Such a plan shall be based on the guidelines developed by the Organization and written in the working language of the crew."

17.3 PREVENTION OF POLLUTION FROM GARBAGE

17.3.1 To achieve cost-effective and environmentally sound results, many garbage management planners use a combination of complementary techniques to manage garbage, such as the following:

- .1 reduction at source;
- .2 reusing or recycling;
- .3 onboard processing (treatment);
- .4 discharge into the sea in those limited situations where it is permitted; and
- .5 discharge to a port reception facility.

17.3.2 When requisitioning stores and provisions, shipping companies should encourage their suppliers to remove, reduce, all packaging, at an early stage, to limit the generation of garbage on board ships.

17.3.3 When garbage is generated aboard a ship, procedures should be defined to enable the crew to sort the material that can be reused onboard the ship or recycled at an appropriate port reception facility.

17.3.4 Ship's garbage is made up of distinct components, some of which are regulated in MARPOL Annex V, while others may be regulated locally, nationally or regionally. Each component of the garbage should be evaluated separately to determine the best management practice for that type of garbage.

17.4 MATTERS WHICH SHOULD BE ADDRESSED IN THE GARBAGE MANAGEMENT PLAN

17.4.1 Designated person in charge of carrying out the plan

17.4.1.1 In accordance with regulation 10.2 of the revised MARPOL Annex V, the plan shall designate a person in charge of carrying out the plan. The person should ensure the garbage management plan is followed.

17.4.1.2 This person should be assisted by ship's crew to ensure that the minimization, collection, separation and processing of garbage is appropriate and efficient in all areas of the ship.

17.4.2 Procedures for collecting garbage

- .1 Identify suitable receptacles for collection and separation. (Separation of garbage for the purposes of these Guidance is considered part of the collection process. Separation may take place at the source or at a separate designated station.)
- .2 Identify the locations of receptacles and collection and separation stations.
- .3 Describe the process of how garbage is transported from the source of generation to the collection and separation stations.

- (a) Describe the process of how garbage is transported from the source of generation to the collection and separation stations. Such an area will be clearly marked as “Garbage Collection Area”. If any garbage requires long term storage on board for disposal ashore, the collection area and the garbage shall be disinfected once every fortnight for the purpose of pest control and good sanitation.
- (b) The collection area shall be contained sufficient empty 200 Ltrs drums that are well covered and marked with distinctive colours and categories as prescribed below.
 - Red for Plastic Materials Only.
 - Blue for Food Waste.
 - Yellow for Other Garbage (Paper, Cloth, Bottles, Glass, Metal and Crockery)
 - Black For Oily rag ,Oil residue and cooking Oil

Similar segregated small bins, such as 20 ltrs, drums shall be provided in necessary places aboard (galley/pantry, mess room, recreation room, cabins passageway, bridge, office, engine room, ECR, and other common spaces, etc).

Designated person incharge shall designate appropriate ship staff to collect garbage from the separation stations, which will be emptied and handled into their segregated/ respective drums in the collection area.
- .4 Describe how garbage is to be handled between primary collection and separation stations and other handling methods relating to the following:
 - .1 needs of reception facilities, taking into account possible local recycling arrangements;
 - .2 onboard processing and potential reuse of garbage aboard the ship;
 - .3 storage; and
 - .4 discharge into the sea in those limited situations where it is permitted.
- .5 Describe the training or education programmers to facilitate collection of garbage and sorting of reusable or recyclable material.

17.4.3 Procedures for processing garbage

- .1 Identify personnel responsible for the operation of the processing equipment.
- .2 Identify available processing devices and their capacities.
- .3 Identify the locations of processing devices and processing stations.
- .4 Identify the categories of garbage that are to be processed by each of the available processing devices.

Garbage is to be grouped into categories for the purposes of the garbage Record Book (or ship’s official log-book) as follows:

- A. Plastics
 - B. Food wastes
 - C. Domestic wastes
 - D. Cooking Oil
 - E. Incinerator ashes
 - F. Operational wastes
 - G. Cargo residues
 - H. Animal Carcass (es)
 - I. Fishing Gear
5. Describe how material that can be reused or recycled is to be handled between primary processing stations and the storage or transfer stations.
 6. Describe processing procedures used for the following:
 1. needs of reception facilities, taking into account available recycling arrangements;
 - .2 storage; and
 - .3 discharge into the sea in those limited situations where it is permitted.
 - .7 Describe the training or education programmers to facilitate the processing of garbage and reuse or recycling of material.
 - .8 Identify standard operating procedures for the operation and maintenance of the equipment used to manage garbage. This may be done by reference to documents available on board.

17.4.4

Procedures for storing garbage or reusable or recyclable material

- .1 Identify the locations, the intended use, and the capacities of available storage stations for each category of garbage or reusable or recyclable material.
- .2 Describe the condition of how the garbage will be stored (for example, “food – frozen”; “cans – compacted and stacked”; “paper – compacted and should remain dry”, etc.).
- .3 Describe how garbage, including reusable and recyclable material, is to be handled between storage stations and discharge with regard to the following:
 - .1 discharge to reception facilities, taking into account available recycling arrangements; and
 - .2 discharge into the sea in those limited situations where it is allowed.
 - .3 Describe the training or education programmers to facilitate the storing of garbage and options for reusing and recycling components of the waste stream.

17.4.5 Procedures for discharging of garbage

17.4.5.1 Describe the ship's procedures to ensure and demonstrate compliance with the requirements of the revised MARPOL Annex V for the discharge of garbage.

18. GARBAGE RECORD BOOK

18.1 Every ship of 400 gross tonnage and above and every ship which is certified to carry 15 or more persons engaged in voyages to ports or offshore terminals under the jurisdiction of another Party to the Convention and every fixed or floating platform shall be provided with a Garbage Record Book. The Garbage Record Book, whether as apart of the ship's official log-book or otherwise, shall be in the attached form (18.5 : FORM OF GARBAGE RECORD BOOK). Any correction shall be initialed by the person who makes the change.

- .1 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 for on the date of the discharge or incineration by the officer in charge.
Each completed page of the Garbage Record Book shall be signed by the master of the ship. The entries in the Garbage Record Book shall be at least in English, French or Spanish. Where the entries are also made in an official language of the State whose flag the ship is entitled to fly, the entries in that language shall prevail in case of a dispute or discrepancy;
- .2 The entry for each discharge or incineration shall include date and time, position of the ship, category of the garbage and the estimated amount discharged or incinerated;
- .3 The Garbage Record Book shall be kept on board the ship or the fixed or floating platform, and in such a place as to be readily available for inspection at all reasonable times. This document shall be preserved for a period of at least two years from the date of the last entry made in it;
- .4 In the event of any discharge or accidental loss referred to in section 10 of this guidance, 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 location, circumstances of, and the reasons for the discharge or loss, details of the items discharged or lost, and the reasonable precautions taken to prevent or minimize such discharge or accidental loss.

18.2 The Department of Marine Administration shall waive the requirements for Garbage Record Books for:

- .1 Any ship engaged on voyages of one (1) hour or less in duration which is certified to carry 15 or more persons; or
- .2 Fixed or floating platforms.

18.3 The competent authority of the Government of a Party to the Convention may inspect the Garbage Record Books or ship's official log-book on board any ship to which this regulation applies while the ship is in its ports or offshore terminals and may make a copy of any entry in those books, and may require the master of the ship to certify that the copy is a true copy of such an entry. Any copy so made, which has been certified by the master of the ship as a true copy of an entry in the ship's Garbage Record Book or ship's official log-book, shall be admissible in any judicial proceedings as evidence of the facts stated in the entry. The inspection of a Garbage Record Book or ship's official log-book and the taking of a certified copy by the competent authority under this paragraph shall be performed as expeditiously as possible without causing the ship to be unduly delayed.

18.4 The accidental loss or discharge of fishing gear as provided for in section 10.1.3 and 10.1.4 of this guidance which poses a significant threat to the marine environment or navigation shall be reported to the State whose flag the ship is entitled to fly, and, where the loss or discharge occurs within waters subject to the jurisdiction of a coastal State, also to that coastal State.

18.5: FORM OF GARBAGE RECORD BOOK (UNTIL END OF FEBRUARY 2018)

Name of ship: _____
Distinctive number or letters: _____
IMO No.: _____
Period From: _____ To: _____

18.5.1 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.

18.5.2 Garbage and garbage management

Garbage means all kinds of food wastes, domestic wastes and operational wastes, all plastics, cargo residues, incinerator ashes, 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 facility and the transport of harvested fish including shellfish from such facilities to shore for processing.

The Guidance for the Implementation of MARPOL Annex V should also be referred to for relevant information.

18.5.3 Description of the garbage

Garbage is to be grouped into categories for the purposes of the Garbage Record Book (or ship's official log-book) as follows:

- A. Plastics
- B. Food wastes
- C. Domestic Wastes
- D. Cooking Oil
- E. Incinerator ashes
- F. Operational wastes
- G. Cargo residues
- H. Animal Carcass (es)
- I. Fishing Gear

Refer to the Guidelines for the Implementation of MARPOL Annex V, as amended by resolutions. Refer to Guidelines to be developed by the Organization.

18.5.4 Entries in the Garbage Record Book

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

18.5.4.1.1 When garbage is discharged to a reception facility shore 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 meters
- .5 Signature of officer in charge of the operation.

18.5.4.1.2 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 meters
- .5 Signature of the officer in charge of the operation.

18.5.4.1.3 When garbage is discharged into the sea in accordance with section 7,8 or 9 of this guidance:

- .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 meters

- .5 Signature of the officer in charge of the operation.

18.5.4.1.4 Accidental or other exceptional discharges or loss of garbage into the sea, including in accordance with section 10 of this guidance:

- .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 meters
- .5 The reason for the discharge or loss and general remarks.

18.5.4.2 Amount of garbage

The amount of garbage on board should be estimated in cubic meters, 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.

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.

18.5.4.3 RECORD OF GARBAGE DISCHARGES

Ship's name:

Distinctive No., or letters:

IMO No.:

Garbage categories:

- A. Plastics
- B. Food wastes
- C. Domestic wastes (e.g., paper products, rags, glass, metal, bottles, crockery, etc.)
- D. Cooking oil
- E. Incinerator Ashes
- F. Operational wastes
- G. Cargo residues
- H. Animal Carcass(es)
- I. Fishing gear

Date/ Time	Position of the	Category	Estimated Amount	To Sea	To Reception Facility	Incineration	Certification/ Signature
	Ship/ Remarks (e.g., accidental loss)		Discharged or incinerated	a			

Master's Signature :

Date:

8.6: FORM OF GARBAGE RECORD BOOK (START FROM 1st MARCH 2018)

Name of ship: _____

Distinctive number or letters: _____

IMO No: _____

Gross Tonnage _____

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, all plastics, food wastes, domestic waste, incinerator ashes, cooking oil, fishing gear, animal carcasses, *E-waste, cargo residues (non-HME) and cargo residues (HME)* , 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 facility 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 73/78 should also be referred to for relevant information.

3. Description of the garbage

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

Part 1

- A Plastics
- B Food wastes
- C Domestic Wastes
- D Cooking Oil
- E Incinerator ashes
- F Operational wastes
- G Animal Carcasses
- H Fishing Gear
- I Electronic waste (E-waste)

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 ashore or to other ships:

1. Date and time of discharge
2. Port of facility, or name of ship
3. Category (ies) of garbage discharged
4. Estimated amount discharged for each category in cubic metres/to reception facilities or to another ship
5. Remarks: (eg: start/stop time and position of incineration; general remarks)
6. Signature of 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. Category(ies) of garbage incinerated
4. Estimated amount incinerated in cubic meters
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 or chapter 5 of Part II-A of the polar code:

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 (ies) 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 Annex V of MARPOL;

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. Category (ies) of garbage discharged or lost
4. Estimated amount for each category in cubic meters
5. The reason for the discharge or loss and general remarks

4.2 Amount of garbage

The amount of garbage on board should be estimated in cubic meters, 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.

4.3 Receipts

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 on board the ship together with the Garbage Record Book for two years.

4.4 Any correction shall be initialed by the person who makes the change.

RECORD OF GARBAGE DISCHARGES

PART 1

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:

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

Discharges under MARPOL Annex V regulation 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 discharge ashore or name of ship if discharged to another ship	Category	Estimated amount discharged		Estimated amount incinerated (m3)	Remarks (eg: start/stop time and position of incineration general remarks)	Certification/ Signature
			Into sea (m3)	To reception facility or to another ship (m3)			

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 (m3)	Remarks on the reason for the discharge or loss and general remarks (eg: reasonable precautions taken to prevent or minimize such discharge or accidental loss and general remarks)	Certification/ signature

Master's Signature : _____

Date: _____

[illegible]

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 amountlost or discharged (m3)	Remarks on the reason for the discharge or loss and generalremarks (eg: reasonable precautions taken to prevent or minimize such discharge or accidental loss and general remarks)	Certification/ signature

Master's Signature : _____

Date: _____

[illegible]

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 amountlost or discharged (m3)	Remarks on the reason for the discharge or loss and generalremarks (eg: reasonable precautions taken to prevent or minimize such discharge or accidental loss and general remarks)	Certification/ signature

Master's Signature : _____

Date_____

Date/ time	Position of the ship(latitude/ longitude) or port if discharge ashore or name of ship if discharged to another ship	Category	Estimated amount discharged		Estimated amount incinerated (m3)	Remarks (eg:start/stop time and position of incineration general remarks)	Certification/ Signature
			Into sea (m3)	To reception facility or to another ship (m3)			

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 amountlost or discharged (m3)	Remarks on the reason for the discharge or loss and generalremarks (eg: reasonable precautions taken to prevent or minimize such discharge or accidental loss and general remarks)	Certification/ signature

Master's Signature : _____

Date: _____

[illegible]

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 amountlost or discharged (m3)	Remarks on the reason for the discharge or loss and generalremarks (eg: reasonable precautions taken to prevent or minimize such discharge or accidental loss and general remarks)	Certification/ signature

Master's Signature : _____

Date: _____

[illegible]

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 amountlost or discharged (m3)	Remarks on the reason for the discharge or loss and generalremarks (eg: reasonable precautions taken to prevent or minimize such discharge or accidental loss and general remarks)	Certification/ signature

Master's Signature : _____

Date: _____

Date/ time	Position of the ship(latitude/ longitude)or port if discharge ashore or name of ship if discharged to another ship	Category	Estimated amount discharged		Estimated amount incinerated (m3)	Remarks (eg:start/stop time and position of incineration general remarks)	Certification/ Signature
			Into sea (m3)	To reception facility or to another ship (m3)			

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 amountlost or discharged (m3)	Remarks on the reason for the discharge or loss and generalremarks (eg: reasonable precautions taken to prevent or minimize such discharge or accidental loss and general remarks)	Certification/ signature

Master's Signature : _____

Date_____

Date/ time	Position of the ship(latitude/ longitude)or port if discharge ashore or name of ship if discharged to another ship	Category	Estimated amount discharged		Estimated amount incinerated (m3)	Remarks (eg:start/stop time and position of incineration general remarks)	Certification/ Signature
			Into sea (m3)	To reception facility or to another ship (m3)			

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 amountlost or discharged (m3)	Remarks on the reason for the discharge or loss and generalremarks (eg: reasonable precautions taken to prevent or minimize such discharge or accidental loss and general remarks)	Certification/ signature

Master's Signature : _____

Date: _____

PART II

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

(Shipthat carry solid bulk cargoes)

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

J=Cargo residues (non-Harmful to the Marine Environment)	K=Cargo residues (Harmful to the Marine Environment)
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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 discharge ashore	Category	Estimated amount discharged		Start and stop positions of the Ship for discharges into the sea	Certification/ Signature
			Into sea (m3)	To reception facility or to another ship (m3)		

Master's Signature : _____

Date: _____

