

Unloading, Stripping and Prewash Operations

UNLOADING, STRIPPING AND PREWASH OPERATIONS UNDER ANNEX II TO MARPOL..... FOUT!
BLADWIJZER NIET GEDEFINIEERD.

| | | |
|-----|--|---|
| 1. | INTRODUCTION | 1 |
| 1.1 | GENERAL | 1 |
| 1.2 | GOALS AND PURPOSE | 1 |
| 1.3 | APPLICATION | 1 |
| 1.4 | RELEVANT DOCUMENTATION..... | 1 |
| 1.5 | INFORMATION BY SHIP'S STAFF | 2 |
| 1.6 | INFORMATION FROM TERMINAL STAFF | 2 |
| 2. | CONTROL | 2 |
| 2.1 | PRE-WASH..... | 2 |
| 2.2 | EXEMPTIONS..... | 3 |
| 2.3 | CARGO RECORD BOOK..... | 3 |
| 2.4 | "OIL LIKE" NOXIOUS LIQUID SUBSTANCES | 3 |

1. INTRODUCTION

1.1 General

MARPOL Annex II, Reg. 16, "measures of control", sets out the requirements regarding the verification of pre-wash and discharge operations in accordance with the requirements of the Procedures & Arrangement Manual (P&A Manual) required by Reg. 14. In some Administrations, witnessing pre-washes is undertaken by the Port State Control Officer, in others it is delegated elsewhere.

MARPOL Annex II, Reg. 14 applies to every ship certified to carry substances of Category X, Y or Z (as defined in Regulation 6). These ships shall have on board a P&A Manual approved by the Administration.

The main purpose of the Manual is to identify for the ship's officers the physical arrangements and all the operational procedures with respect to cargo handling, tank cleaning, slops handling and cargo tank ballasting and deballasting which must be followed in order to comply with the requirements of this Annex.

1.2 Goals and purpose

This document provides guidance to on the requirements for pre-washing..

1.3 Application

In accordance with MARPOL Annex II, Reg. 13, pre-washes are mandatory:

- .1 when a tank from which a substance in Category X has been unloaded, it shall be prewashed before the ship leaves the port of unloading (par. 6.1.1);
- .2 If the unloading of a substance of Category Y or Z is not carried out in accordance with the Manual (par. 7.1.2);
- .3 For High-Viscosity or Solidifying Substances in Category Y (par. 7.1.3);
- .4 For substances assigned to category Y that are persistent floaters with a viscosity which fulfills the criteria from par 7.1.4.

1.4 Relevant documentation

The following ship documents are relevant for this inspection:

- .1 Certificate of Fitness (COF) or Noxious Liquid Substances (NLS) Certificate;
- .2 Cargo plan and shipping document;
- .3 Procedures and Arrangements (P & A) Manual approved by the Administration;
- .4 Cargo Record Book;
- .5 Shipboard Marine Pollution Emergency Plan for Noxious Liquid Substances, approved by

Unloading, Stripping and Prewash Operations

the Administration.

1.5 Information by ship's staff

Of relevance to the pre-washing evolution are:

- .1 the intended loading and unloading programme of the ship;
- .2 whether unloading and stripping operations can be effected in accordance with the P and A Manual and if not the reason why it cannot be done;
- .3 the constraints, if any, under which the efficient stripping system operates (i.e. back pressure, ambient air temperature, malfunctioning, etc.);
- .4 whether the ship requests an exemption from the prewashing and the discharge of residues in the unloading port.

When tank washing is required without the use of water the port State control officer or the surveyor authorized by the port State Administration is to be informed about the tank washing procedure and disposal of residues.

When the Cargo Record Book is not up to date, any information on prewash and residue disposal operations outstanding must be supplied.

1.6 Information from terminal staff

The relevant crew must be aware of any terminal information or limitations imposed upon the ship in respect of back pressure and/or reception facilities.

2. CONTROL

2.1 Pre-wash

On boarding and introduction to the Master or responsible ship officer's, the port State control officer or the surveyor authorized by the port State Administration should examine the necessary documentation.

The documentation may be used to establish the following:

- .1 noxious liquid substances to be unloaded, their categories and stowage (cargo plan, P & A Manual);
- .2 details (possibilities and limitations) of efficient stripping system, if fitted (P & A Manual);
- .3 tanks which require prewashing with disposal of tank washings to reception facilities (shipping document and cargo temperature);
- .4 tanks which require prewashing with disposal of tank washings to reception facilities (P & A Manual, shipping document and cargo temperature);
- .5 prewash operations and/or residue disposal operations outstanding (Cargo Record Book); and
- .6 tanks which may not be washed with water due to the nature of substances involved (P & A Manual).

In respect of the prewash operations, the following information is of relevance (P & A Manual):

- .1 pressure required for tank washing machines;
- .2 duration of one cycle of the tank washing machine and quantity of water used;
- .3 washing programmes for the substances involved;
- .4 required temperature of washing water; and
- .5 special procedures.

MARPOL Annex II, reg. 12 sets out the maximum allowed residue quantities per category of substance. This maximum allowed residue depends on the keel lay, with the key dates being before 1 July 1986, between 1 July 1986 and 1 January 2007, and after 1 January 2007.

Care must be taken to ensure that cargo hoses and piping systems of the terminal are not drained back to the ship.

Unloading, Stripping and Prewash Operations

2.2 Exemptions

Under Reg. 4 the Flag Administration can exempt the following:

- .1 For ships constructed before 1 July 1986 on restricted voyages (Reg. 4.2 and 4.3)
- .2 For ships where cargo tank washing is only required for repair or dry-docking (Reg. 4.4)

If these exemptions are utilised care must be taken to ensure the conditions with those exemptions are complied with, as detailed in the regulation.

MARPOL Annex II, Reg. 16.6 allows the PSCO to exempt the requirement for a pre-wash under specific circumstances from Reg 13.4:

- .1 the unloaded tank is to be reloaded with the same substance or another substance compatible with the previous one and that the tank will not be washed or ballasted prior to loading; or
- .2 the unloaded tank is neither washed nor ballasted at sea. The prewash in accordance with the applicable paragraph of this regulation shall be carried out at another port provided that it has been confirmed in writing that a reception facility at that port is available and is adequate for such a purpose; or
- .3 the cargo residues will be removed by a ventilation procedure approved by the Administration in accordance with appendix 7 of the Annex.

2.3 Cargo Record Book

The Cargo Record Book should be endorsed following the witnessing of a pre-wash or in case an exemption under the convention is granted. Where cargo record books can be electronic, the security features may not allow a third party to appropriately endorse (due to unique log ins for example). Some Flag State systems allow a document upload or hard copy to be presented on request.

2.4 “Oil like” noxious liquid substances

Certain “oil like” noxious liquid substances may be carried on product carriers. Such substances must be indicated on the IOPP Certificate. For the control of ships carrying such substances, the Control Procedures under Annex I to MARPOL apply.