

PORT STATE CONTROL COMMITTEE INSTRUCTION 43/2010/39

Unloading, stripping and prewash operations under Annex II to MARPOL

Procedures for inspection of unloading, stripping and prewashing operations (mainly in unloading ports)

Introduction

- 1 The port State control officer or the surveyor authorized by the port State Administration exercising control in accordance with Regulation 16 of Annex II to MARPOL must be thoroughly acquainted with Annex II to MARPOL and the custom of the port as of relevance to cargo handling, tank washing, cleaning berths, prohibition of lighters alongside, etc.

Documentation

- 2 The documentation required for the inspection referred to in this appendix consists of:
- .1 CoF or NLS Certificate;
 - .2 cargo plan and shipping document;
 - .3 Procedures and Arrangements (P and A) Manual; and
 - .4 Cargo Record Book.

Information by ship's staff

- 3 Of relevance to the port State control officer or the surveyor authorized by the port State Administration is the following:
- .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.
- 4 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.
- 5 When the Cargo Record Book is not up to date, any information on prewash and residue disposal operations outstanding must be supplied.

Information from terminal staff

- 6 Terminal staff must supply information on limitations imposed upon the ship in respect of back pressure and/or reception facilities.

Control

- 7 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 will examine the necessary documentation.
- 8 The documentation may be used to establish the following:
- .1 noxious liquid substances to be unloaded, their categories and stowage (cargo plan, P and A Manual);

- .2 details (possibilities and limitations) of efficient stripping system, if fitted (P and 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 and 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 and A Manual).

9 In respect of the prewash operations referred to in 5.4.1.8 of this Annex, the following information is of relevance (P and 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.

10 The port State control officer or the surveyor authorized by the port State Administration, in accordance with Regulation 16 of Annex II to MARPOL, will ascertain that unloading, stripping and/or prewash operations are carried out in conformance with the information obtained in accordance with 5.4.1.2 of this Annex (Documentation). If this cannot be achieved, alternative measures will be taken to ensure that the ship does not proceed to sea with more than the quantities of residue specified in Regulation 12 to Annex II to MARPOL, as applicable. If the residue quantities cannot be reduced by alternative measures the port State control officer or the surveyor authorized by the port State Administration will inform his Administration.

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

12 If a ship requests an exemption from certain stripping or prewashing procedures under Regulation 13.4 of Annex II to MARPOL the conditions for such exemption set out in the said regulations will be observed. These concern:

- .1 Regulation 4.2 and 4.3. The ship is constructed before 1 July 1986 and is exempted from the requirement for reducing its residue quantities to specified limits (i.e. category Y substances 0.3 m³ or 1 m³ and category Z substances 0.9 m³ or 3 m³). Whenever a cargo tank is to be washed or ballasted, a prewash is required with disposal of prewash slops to shore reception facilities. The CoF or NLS Certificate must have been endorsed to the effect that the ship is solely engaged in restricted voyages;
- .2 Regulation 4.4. The ship is never required to ballast its cargo tanks and tank washing is only required for repair or drydocking. The CoF or NLS Certificate must indicate the particulars of the exemption. Each cargo tank must be certified for the carriage of a restricted numbers of named substances which are comparable and can be carried alternately in the same tank without intermediate cleaning;
- .3 Regulations 13.4.1 and 16.6. Cargo tanks will not be washed or ballasted prior to the next loading;
- .4 Regulations 13.4.2 and 16.6. Cargo tanks will be washed and prewash slops will be discharged to reception facilities in another port. It must be confirmed in writing that an adequate reception facility is available at that port for such purpose; and
- .5 Regulations 13.4.3 and 16.6. The cargo residues can be removed by ventilation.

- 13** The port State control officer or the surveyor authorized by the port State Administration must endorse the Cargo Record Book under section J whenever an exemption referred to under 5.4.1.12.3, 5.4.1.12.4 and 5.4.1.12.5 of this Annex has been granted, or whenever a tank having unloaded category X substances has been prewashed in accordance with the P and A Manual.
- 14** Alternatively, for category X substances, Regulations 13.6 and 16.4 of Annex II to MARPOL, residual concentration must be measured by the procedures which each port State authorizes. In this case the port State control officer or the surveyor authorized by the port State Administration must endorse in the Cargo Record Book under section K whenever the required residual concentration has been achieved.
- 15** In addition to 5.4.1.13 of this Annex, the port State control officer or the surveyor authorized by the port State Administration must endorse the Cargo Record Book whenever the unloading, stripping or prewash of category X, Y and Z substances, in accordance with the P and A Manual, has actually been witnessed.
- 16** The port State control officer or the surveyor authorized by the port State Administration must be aware that 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. The port State control officer or the surveyor authorized by the port State Administration exercising control in accordance with Regulation 16 of Annex II to MARPOL must be thoroughly acquainted with Annex I to MARPOL.