

**§ 154.1828**

**§ 154.1828 Spaces containing cargo vapor: Entry.**

(a) No person may enter a cargo handling space without the permission of the master or without following a safety procedure established by the master.

(b) Before allowing anyone to enter a cargo handling space, the master shall ensure that:

(1) The space is free of toxic vapors and has an oxygen concentration of at least 19.5 percent oxygen by volume; or

(2) Those entering the space wear protective equipment with breathing apparatus and an officer closely supervises the entire operation in the space.

**§ 154.1830 Warning sign.**

(a) The master shall ensure that a vessel transferring cargo, while fast to a dock or while at anchor in port, displays a warning sign:

(1) At the gangway facing the shore so that the sign may be seen from the shore; and

(2) Facing outboard towards the water so that the sign may be seen from the water.

(b) Except as provided in paragraph (e) of this section, each warning sign must have the following words:

- (1) Warning.
- (2) Dangerous Cargo.
- (3) No Visitors.
- (4) No Smoking.
- (5) No Open Lights.

(c) Each letter in the words on the sign must:

- (1) Be block style;
- (2) Be black on a white background;
- (3) Be 7.6 cm (3 in.) high;
- (4) Be 5.1 cm (2 in.) wide, except for "M" and "W" which must be 7.6 cm (3 in.) wide, and the letter "I" which may be 1.3 cm (½ in.) wide; and
- (5) Have 1.3 cm (½ in.) stroke width.

(d) The spacing between letters must be:

- (1) 1.3 cm (½ in.) between letters of the same word on the sign;
- (2) 5.1 cm (2 in.) between words;
- (3) 5.1 cm (2 in.) between lines; and
- (4) 5.1 cm (2 in.) at the borders of the sign.

(e) The words "No Smoking" and "No Open Lights" may be omitted when the cargoes on board a vessel are not flammable.

**46 CFR Ch. I (10-1-14 Edition)**

(f) When a vessel carries or transfers vinyl chloride, the warning sign under paragraph (b) of this section must also have the words "Cancer Suspect Agent."

**§ 154.1831 Persons in charge of transferring liquid cargo in bulk or preparing cargo tanks.**

(a) The owner and operator of the vessel, and his or her agent, and each of them, shall ensure that—

(1) Enough "Tankerman-PICs" or restricted "Tankerman-PICs", and "Tankerman-Assistants", authorized for the classification of cargo carried, are on duty to safely conduct a transfer of liquid cargo in bulk or a cool-down, warm-up, gas-free, or air-out of each cargo tank;

(2) Each transfer of liquid cargo in bulk, and each cool-down, warm-up, gas-free, or air-out of a cargo tank, is supervised by a person designated as a person in charge of the transfer that possesses the qualifications required by 33 CFR 155.710;

(3) On each foreign tankship, the person in charge of either a transfer of liquid cargo in bulk or a cool-down, warm-up, gas-free, or air-out of a cargo tank possesses the qualifications required by 33 CFR 155.710;

(4) When cargo regulated under this part is being transferred, the person in charge of the transfer has received special training in the particular hazards associated with the cargo and in all special procedures for its handling; and

(5) On each foreign vessel, the person in charge understands his or her responsibilities as described in this subchapter.

(b) Upon request by the Officer in Charge, Marine Inspection, in whose zone the transfer will take place, the owner and operator of the vessel, and his or her agent, and each of them, shall provide documentary evidence that the person in charge has received the training specified by paragraph (a)(4) of this section and is capable of competently performing the procedures necessary for the cargo.

[CGD 79-116, 60 FR 17158, Apr. 4, 1995]