

## § 153.981

- (1) Removing the valves; or
- (2) Installing removable pipes and blind flanges to by-pass the valves.

[CGD 78-128, 47 FR 21211, May 17, 1982]

### § 153.981 Leaving room in tank for cargo expansion.

The person in charge of cargo transfer shall ensure that the amount of cargo in a tank does not exceed the tank's capacity at any ambient temperature between  $-18^{\circ}\text{C}$  (approx.  $0^{\circ}\text{F}$ ) and  $46^{\circ}\text{C}$  (approx.  $115^{\circ}\text{F}$ ).

### § 153.983 Termination procedures.

Upon completion of the transfer operation, the person in charge of cargo transfer shall ensure that:

- (a) The cargo transfer connections are closed off;
- (b) The transfer lines and hoses are drained of cargo, either into the tank or back to the transfer terminal;
- (c) Any electrical bonding between the vessel and the shore facility is broken only after the cargo hose is disconnected and all spills removed; and
- (d) Each vent system is returned to its nonloading configuration.

#### SPECIAL CARGO PROCEDURES

### § 153.1000 Special operating requirements for cargoes reactive with water.

When Table 1 refers to this section, the master must ensure that the cargo:

- (a) Is carried only in a containment system completely isolated from any systems containing water, such as slop tanks, ballast tanks, cargo tanks containing slops or ballast, their vent lines or piping; and
- (b) Is separated by double walls, such as cofferdams and piping tunnels, from any system containing water, as for example those described in paragraph (a) of this section.

### § 153.1002 Special operating requirements for heat sensitive cargoes.

When Table 1 refers to this section, the master shall make sure that:

- (a) The cargo temperature is maintained below the temperature that would induce polymerization, decomposition, thermal instability, evolution of gas or reaction of the cargo;

## 46 CFR Ch. I (10-1-11 Edition)

- (b) Any heating coils in the cargo tank are blanked off; and

- (c) The cargo is not carried in uninsulated deck tanks.

[CGD 78-128, 47 FR 21211, May 17, 1982]

### § 153.1003 Prohibited carriage in deck tanks.

When Table 1 refers to this section, cargoes may not be carried in deck tanks.

[CGD 95-900, 60 FR 34050, June 29, 1995]

### § 153.1004 Inhibited and stabilized cargoes.

- (a) Before loading a cargo containment system with a cargo referenced to this section in Table 1, the person in charge of cargo transfer shall make sure that the cargo containment system is free of contaminants that could:

- (1) Catalyze the polymerization or decomposition of the cargo; or
- (2) Degrade the effectiveness of the inhibitor or stabilizer.

- (b) The master shall make sure that the cargo is maintained at a temperature which will prevent crystallization or solidification of the cargo.

[CGD 78-128, 47 FR 21211, May 17, 1982]

### § 153.1010 Alkylene oxides.

- (a) Before each loading of a cargo containment system with a cargo referenced to this section in Table 1, the person in charge of cargo transfer shall:

- (1) Unless the tankship is equipped with independent cargo piping that meets paragraph (d) of this section:

- (i) Obtain verification from a Coast Guard Marine Inspector or from a representative of the tankship's flag administration that separation of the alkylene oxide piping system complies with alkylene oxide handling plans approved by the Coast Guard or the tankship's flag administration; and

- (ii) Make sure that each spectacle flange and blank flange connection that is required to separate alkylene oxide piping systems from other systems has a wire and seal attached by a Coast Guard Marine Inspector or a representative of the tankship's flag administration.