

one overfill device that is permanently installed on each cargo tank and meets the requirements of this section.

(1) On a tankship, each cargo tank must be equipped with an overfill device (including an independent audible alarm or visible indicator for that tank) that meets the requirements for tank overfill alarms under 46 CFR 39.20-7(b)(2) and (3), and (d)(1) through (d)(4).

(2) On a tank barge, each cargo tank must be equipped with an overfill device that—

(i) Meets the requirements of 46 CFR 39.20-7(b)(2) and (b)(3) and (d)(1) through (d)(4), and 46 CFR 39.20-9(a)(1) through (a)(3);

(ii) Is an installed automatic shutdown system that meets the requirements of 46 CFR 39.20-9(b); or

(iii) Is an installed high level indicating device that meets the requirements of 46 CFR 39.20-3(b)(1), (b)(2), and (b)(3).

(c) Each cargo tank of a U.S. flag tank vessel must have installed on it an overfill device meeting the requirements of this section at the next scheduled cargo tank internal examination performed on the vessel under 46 CFR 31.10-21.

(d) Each cargo tank of a foreign flag tank vessel must have installed on it an overfill device—

(1) At the first survey that includes dry docking, as required by the vessel's flag administration, to meet the International Convention for the Safety of Life at Sea (SOLAS), 1974, as amended, or the International Load Line Convention of 1966; or

(2) At the first cargo tank internal examination performed on the tank vessel under 46 CFR 31.10-21.

(e) This section does not apply to a tank vessel that does not meet the double hull requirements of § 157.10d of this chapter and, under 46 U.S.C. 3703a(c), may not operate in the navigable waters or Exclusive Economic Zone of the United States after January 1, 2000.

(f) This section does not apply to tank vessels that carry asphalt, animal fat, or vegetable oil as their only cargo.

[CGD 90-071a, 59 FR 53290, Oct. 21, 1994, as amended by CGD 90-071a, 62 FR 48773, Sept. 17, 1997]

**§ 155.490 Tank level or pressure monitoring devices.**

(a) *Applicability.* The tank level or pressure monitoring (TLPM) device requirements of this section apply to—

(1) U.S.-flag single-hull tank vessels carrying oil or oil residue as cargo; and

(2) Foreign-flag single-hull tank vessels carrying oil or oil residue as cargo when operating in the navigable waters of the United States and the exclusive economic zone (EEZ) when bound to or from a port or place in the United States.

(b) By October 17, 2007, each vessel required under paragraph (a) of this section to meet the requirements of this section, must have a tank level or pressure monitoring device that is permanently installed on each cargo tank and meets the requirements of this section.

(c) Each device must meet the following requirements:

(1) Be intrinsically safe as per 46 CFR 111.105;

(2) Indicate any loss of power or failure of the tank level or pressure monitoring device and monitor the condition of the alarm circuitry and sensor by an electronic self-testing feature;

(3) Alarm at or before the cargo in the cargo tank either increases or decreases by a level of one percent from the cargo quantity in the tank after securing cargo transfer operations;

(4) Operate in conditions up to sea state 5, moisture, and varying weather conditions; and

(5) Have audible and visual alarm indicators which are distinctly identifiable as cargo tank level or pressure monitoring alarms that can be seen and heard on the navigation bridge of the tank ship or towing vessel and on the cargo deck area.

(d) Double-hull tank vessels are exempt from the requirements of this section.

(e) This section does not apply to tank vessels that carry asphalt as their only cargo.

[USCG-2001-9046, 67 FR 58524, Sept. 17, 2002]

### Subpart C—Transfer Personnel, Procedures, Equipment, and Records

#### § 155.700 Designation of person in charge.

Each operator or agent of a vessel with a capacity of 250 or more barrels of fuel oil, cargo oil, hazardous material, or liquefied gas as regulated in Table 4 of 46 CFR part 154, or each person who arranges for and hires a person to be in charge of a transfer of fuel oil, of a transfer of liquid cargo in bulk, or of cargo-tank cleaning, shall designate, either by name or by position in the crew, the person in charge (PIC) of each transfer to or from the vessel and of each tank-cleaning.

[CGD 79-116, 62 FR 25126, May 8, 1997]

#### § 155.710 Qualifications of person in charge.

(a) On each tankship required to be documented under the laws of the United States, the operator or agent of the vessel, or the person who arranges and hires a person to be in charge either of a transfer of liquid cargo in bulk or of cargo-tank cleaning, shall verify to his or her satisfaction that each person designated as a PIC—

(1) Has sufficient training and experience with the relevant characteristics of the vessel on which he or she is engaged—including the cargo for transfer, the cargo-containment system, the cargo system (including transfer procedures, and shipboard-emergency equipment and procedures), the control and monitoring systems, the procedures for reporting pollution incidents, and, if installed, the Crude-Oil Washing (COW), inert-gas, and vapor-control systems—to safely conduct a transfer of fuel oil, a transfer of liquid cargo in bulk, or cargo-tank cleaning;

(2) Except as provided in paragraph (g) of this section, holds a license issued under 46 CFR part 10 authorizing service aboard a vessel certified for voyages beyond any Boundary Line described in 46 CFR part 7, except on tankships or self-propelled tank vessels not certified for voyages beyond the Boundary Line; and

(3) Except as provided in paragraph (g) of this section and 46 CFR 13.113 (a)

or (c), holds a Tankerman-PIC endorsement issued under 46 CFR part 13 that authorizes the holder to supervise the transfer of fuel oil, the transfer of liquid cargo in bulk, or cargo-tank cleaning, as appropriate to the product.

(b) On each tank barge required to be inspected under 46 U.S.C. 3703, the operator or agent of the vessel, or the person who arranges and hires a person to be in charge of a transfer of fuel oil, of a transfer of liquid cargo in bulk, or of cargo-tank cleaning, shall verify to his or her satisfaction that each PIC—

(1) Has sufficient training and experience with the relevant characteristics of the vessel on which he or she is engaged—including the cargo for transfer, the cargo-containment system, the cargo system (including transfer procedures, and shipboard-emergency equipment and procedures), the control and monitoring systems, the procedures for reporting pollution incidents, and, if installed, the COW, inert-gas, and vapor-control systems—to safely conduct either a transfer of liquid cargo in bulk or cargo-tank cleaning; and

(2) Except as provided in paragraph (g) of this section and 46 CFR part 13.113 (a) or (c), holds a Tankerman-PIC or Tankerman-PIC (Barge) endorsement issued under 46 CFR part 13 that authorizes the holder to supervise the transfer of fuel oil, the transfer of liquid cargo in bulk, or cargo-tank cleaning, as appropriate to the product and vessel.

(c) On each foreign tankship, the operator or agent of the vessel shall verify to his or her satisfaction that each PIC either of a transfer of liquid cargo in bulk or of cargo-tank cleaning—

(1) Has sufficient training and experience with the relevant characteristics of the vessel on which he or she is engaged, including the cargo for transfer, the cargo-containment system, the cargo system (including transfer procedures, and shipboard-emergency equipment and procedures), the control and monitoring systems, the procedures for reporting pollution incidents, and, if installed, the systems for crude-oil washing, inert gas, and vapor control, to safely conduct either a transfer of liquid cargo in bulk or cargo-tank cleaning;