

**§ 157.500**

**33 CFR Ch. I (7-1-10 Edition)**

**§ 157.500 Purpose and applicability.**

(a) The purpose of this subpart is to establish mandatory safety and operational requirements to reduce environmental damage resulting from the discharge of animal fat or vegetable oil.

(b) This subpart applies to each tank vessel specified in §157.01 of this part that—

- (1) Is 5,000 gross tons or more;
- (2) Carries animal fat or vegetable oil in bulk as cargo or cargo residue; and
- (3) Is not equipped with a double hull meeting §157.10d of this part, or an equivalent to the requirements of §157.10d, but required to be equipped with a double hull at a date set forth in 46 U.S.C. 3703a (b)(3) and (c)(3).

**§ 157.510 Operational measures.**

An owner or operator of a tank vessel that carries animal fat or vegetable oil in bulk as cargo or cargo residue shall comply with the requirements in all sections of subpart G of this part.

**Subpart I—Interim Measures for Certain Tank Vessels Without Double Hulls Carrying Other Non-Petroleum Oil**

SOURCE: CGD 91-045, 61 FR 39791, July 30, 1996, unless otherwise noted.

**§ 157.600 Purpose and applicability.**

(a) The purpose of this subpart is to establish mandatory safety and operational requirements to reduce environmental damage resulting from the discharge of other non-petroleum oil.

(b) This subpart applies to each tank vessel specified in §157.01 of this part that—

- (1) Is 5,000 gross tons or more;

Damage	Conditions	
	For 0.3L from the forward perpendicular of ship	Any other part of ship
(1) Longitudinal extent ( $l$ ) .....	$L/10$ .....	$L/10$ or 5 meters, whichever is less.
(2) Transverse extent ( $t$ ) .....	$B/6$ or 10 meters, whichever is less but not less than 5 meters.	5 meters.
(3) Vertical extent from the base line ( $v$ ). .....	$B/15$ or 6 meters, whichever is less .....	$B/15$ or 6 meters, whichever is less.

3. *Hypothetical Outflow of Oil.* (a) The hypothetical outflow of oil in the case of side damage ( $O_c$ ) and bottom damage ( $O_b$ ) is cal-

(2) Carries other non-petroleum oil in bulk as cargo or cargo residue; and

(3) Is not equipped with a double hull meeting §157.10d of this part, or an equivalent to the requirements of §157.10d, but required to be equipped with a double hull at a date set forth in 46 U.S.C. 3703a (b)(3) and (c)(3).

**§ 157.610 Operational measures.**

An owner or operator of a tank vessel that carries other non-petroleum oil in bulk as cargo or cargo residue shall comply with the requirements in all sections of subpart G of this part.

**APPENDIX A TO PART 157—DAMAGE ASSUMPTIONS, HYPOTHETICAL OUTFLOWS, AND CARGO TANK SIZE AND ARRANGEMENTS**

1. *Source.* The procedures for the damage assumption calculations contained in this Appendix conform to Regulations 24, 25, and 26 of Annex I of the International Convention for the Prevention of the Pollution from Ships, 1973, done at London, November 2, 1973.

2. *Assumptions.* For the purpose of calculating hypothetical outflow from tank vessels, three dimensions of the extent of damage of a parallelepiped on the side and bottom of the vessel are assumed.

(a) For side damage, the conditions are as follows:

Damage	Conditions
(1) Longitudinal extent ( $l_c$ ) .....	$1/3 L^{2/3}$ or 14.5 m, whichever is less.
(2) Transverse extent ( $t_c$ ) (inboard from the vessel's side at right angles to the centerline at the level corresponding to the assigned summer freeboard).	$B/5$ —or 11.5 m, whichever is less.
(3) Vertical extent ( $v_c$ ) .....	From the base line upwards without limit.

(b) For bottom damage, two conditions to be applied individually to the stated portions of the vessel, as follows:

culated by the following formula with respect to compartments breached by damage to all conceivable locations along the length