

or other products whose physical properties inhibit effective product/water separation and monitoring must transfer all oil cargo residues and tank washings from such cargoes to a reception facility.

(c) Each cargo monitor must be maintained and operated in accordance with its instructions manual.

(d) All discharge data recorded by a cargo monitor must be retained for at least three years. The data for the most recent year must be retained on board the vessel.

(e) Ballast water containing an oily mixture may be discharged below the waterline at sea by gravity if—

(1) The ballast is not from a slop tank;

(2) Examination with an oil-water interface detector shows that oil-water separation has taken place; and

(3) The oil layer is high enough in the tank so that it will not be discharged.

(The information collection requirement contained in paragraph (d) of this section was approved by the Office of Management and Budget under OMB control number 2115-0518)

[CGD 74-32, 40 FR 48283, Oct. 14, 1975, as amended by CGD 76-088b, 48 FR 45721, Oct. 6, 1983; USCG-2000-7641, 66 FR 55573, Nov. 2, 2001]

#### § 157.39 Machinery space bilges.

(a) A tank vessel may discharge an oily mixture from a machinery space bilge that is combined with an oil cargo residue if the vessel discharges in compliance with § 157.37.

(b) A tank vessel may discharge an oily mixture from a machinery space bilge that is not combined with an oil cargo residue if the vessel:

(1) Is proceeding en route;

(2) Is discharging an effluent with an oil content of less than 15 parts per million; and

(3) Has in operation an oil discharge monitoring and control system approved by the Coast Guard (specification regulation to be proposed) and oil water separating equipment approved by the Coast Guard (specification regulation to be proposed).

[CGD 74-32, 40 FR 48283, Oct. 14, 1975, as amended by USCG-2000-7641, 66 FR 55573, Nov. 2, 2001]

#### § 157.41 Emergencies.

Sections 157.27, 157.29, 157.37, and 157.39 do not apply to a tank vessel that discharges into the sea oil or oily mixtures:

(a) For the purpose of securing the safety of the vessel or for saving life at sea; or

(b) As a result of damage to the vessel or its equipment if:

(1) Reasonable precautions are taken after the occurrence of the damage or discovery of the discharge for the purpose of preventing or minimizing the discharge; and

(2) The owner, master or person in charge did not intend to cause damage, or did not act recklessly and with knowledge that damage of the environment would probably result.

#### § 157.43 Discharges of clean and segregated ballast: Seagoing tank vessels of 150 gross tons or more.

(a) Clean ballast may not be discharged overboard unless the discharge is verified as clean ballast through use of an approved cargo monitor or, if discharged before the required cargo monitor installation date, by visual examination of the ballast contents immediately before discharge. This paragraph applies to discharges of clean ballast:

(1) From dedicated clean ballast tanks; and

(2) Into the navigable waters of the United States from any other tank.

(b) Segregated ballast may not be discharged overboard unless a visual examination, or a test of the ballast contents with an oil/water interface detector, immediately before the discharge shows that there is no oily mixture in the ballast. Use of a cargo monitor is not required. This paragraph applies to discharges of segregated ballast:

(1) Into the navigable waters of the United States; and

(2) Below the waterline at sea from an existing vessel that does not have an above the waterline discharge point for segregated ballast.

(c) All discharges of clean ballast and segregated ballast must be through an above waterline discharge point described in § 157.11(b)(2), except that:

## § 157.45

(1) A vessel may discharge clean ballast and segregated ballast below the waterline when in port or at an off-shore terminal.

(2) A vessel may discharge clean ballast and segregated ballast at sea by gravity below the waterline.

(3) An existing vessel that does not have above waterline discharge points for dedicated clean ballast tanks may discharge clean ballast from those tanks below the waterline at sea.

(4) An existing vessel that does not have above waterline discharge points for segregated ballast tanks may discharge segregated ballast below the waterline at sea.

(d) This section applies only to sea-going tank vessels of 150 gross tons or more.

[CGD 76-088b, 48 FR 45721, Oct. 6, 1983; 48 FR 46985, Oct. 17, 1983; USCG-2000-7641, 66 FR 55573, Nov. 2, 2001]

### § 157.45 Valves in cargo or ballast piping system.

When a tank vessel is at sea and the tanks contain oil, valves and closing devices in the cargo or ballast piping system or in the transfer system must be kept closed except they may be opened for cargo or ballast transfer to trim the vessel.

### § 157.47 Information for master.

A master or person in charge of a new vessel shall operate the vessel in accordance with the information required in 46 CFR 31.10-30(d) that includes the following:

(a) Stability information.

(b) Damage stability information determined in accordance with the criteria contained in Appendix B of this part.

(c) Loading and distribution of cargo information determined in compliance with the damage stability criteria required in Appendix B of this part.

[CGD 74-32, 40 FR 48283, Oct. 14, 1976, as amended by CGD 75-240, 41 FR 54180, Dec. 13, 1976]

### § 157.49 Instruction manual.

The master of a tank vessel shall ensure that the instruction manual under § 157.23 is available and used when the cargo or ballast systems are operated.

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### Subpart D—Crude Oil Washing (COW) System on Tank Vessels

SOURCE: CGD 77-058b, 45 FR 43709, June 30, 1980, unless otherwise noted.

#### GENERAL

### § 157.100 Plans for U.S. tank vessels: Submission.

(a) Before each U.S. tank vessel having a COW system under § 157.10(e), § 157.10a(a)(2), or § 157.10c(b)(2) is inspected under § 157.140, the owner or operator of that vessel must submit to the Coast Guard plans that include—

(1) A drawing or diagram of the COW pumping and piping system that meets 46 CFR 56.01-10(d);

(2) The design of each COW machine;

(3) The arrangement, location, and installation of the COW machines; and

(4) Except as allowed in § 157.104, the projected direct impingement pattern of crude oil from the nozzles of the COW machines on the surfaces of each tank, showing the surface areas not reached by direct impingement.

(b) Plans under paragraph (a) of this section must be submitted to the Officer in Charge, Marine Inspection, of the zone in which the COW system is installed or to the Commanding Officer, U.S. Coast Guard Marine Safety Center, 400 7th Street, SW., Washington, DC 20590-0001.

(Reporting and recordkeeping requirements approved by the Office of Management and Budget under control number 2115-0520)

[CGD 77-058b, 45 FR 43709, June 30, 1980, as amended by CGD 82-28, 50 FR 11626 and 11630, Mar. 22, 1985; CDG 85-048a, 51 FR 15481, Apr. 24, 1986; USCG-1998-3799, 63 FR 35531, June 30, 1998]

### § 157.102 Plans for foreign tank vessels: Submission.

If the owner or operator of a foreign tank vessel having a COW system under § 157.10(e), § 157.10a(a)(2), or § 157.10c(b)(2), desires the letter from the Coast Guard under § 157.106 accepting the plans submitted under this paragraph, the owner or operator must submit to the Commandant (G-MOC), U.S. Coast Guard, Washington, DC 20593-0001, plans that include—