

**§ 154.550**

(4) The size or complexity of the transfer operation poses a significant potential for a discharge of oil or hazardous material; and

(5) The use of vessel containment provides the only practical means to reduce the extent of environmental damage.

(e) Equipment and procedures maintained to satisfy the provisions of this chapter may be utilized in the planning requirements of subpart F and subpart H of this part.

[CGD 75-124, 45 FR 7172, Jan. 31, 1980, as amended by CGD 86-034, 55 FR 36253, Sept. 4, 1990; CGD 93-056, 61 FR 41460, Aug. 8, 1996; USCG-1999-5149, 65 FR 40825, June 30, 2000]

**§ 154.550 Emergency shutdown.**

(a) The facility must have an emergency means to enable the person in charge of the transfer on board the vessel, at that person's usual operating station, to stop the flow of oil or hazardous material from the facility to the vessel. The means must be—

(1) An electrical, pneumatic, or mechanical linkage to the facility; or

(2) An electronic voice communications system continuously operated by a person on the facility who can stop the flow of oil or hazardous material immediately.

(b) The point in the transfer system at which the emergency means stops the flow of oil or hazardous material on the facility must be located near the dock manifold connection to minimize the loss of oil or hazardous material in the event of the rupture or failure of the hose, loading arm, or manifold valve.

(c) For oil transfers, the means used to stop the flow under paragraph (a) of this section must stop that flow within—

(1) 60 seconds on any facility or portion of a facility that first transferred oil on or before November 1, 1980; and

(2) 30 seconds on any facility that first transfers oil after November 1, 1980.

(d) For hazardous material transfers, the means used to stop the flow under paragraph (a) of this section must stop that flow within—

(1) 60 seconds on any facility or portion of a facility that first transferred

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hazardous material before October 4, 1990; and

(2) 30 seconds on any facility that first transfers hazardous material on or after October 4, 1990.

[CGD 86-034, 55 FR 36253, Sept. 4, 1990]

**§ 154.560 Communications.**

(a) Each facility must have a means that enables continuous two-way voice communication between the person in charge of the vessel transfer operation and the person in charge of the facility transfer operation.

(b) Each facility must have a means, which may be the communications system itself, that enables a person on board a vessel or on the facility to effectively indicate the desire to use the means of communication required by paragraph (a) of this section.

(c) The means required by paragraph (a) of this section must be usable and effective in all phases of the transfer operation and all conditions of weather at the facility.

(d) A facility may use the system in § 154.550(a)(2) to meet the requirement of paragraph (a) of this section.

(e) Portable radio devices used to comply with paragraph (a) of this section during the transfer of flammable or combustible liquids must be marked as intrinsically safe by the manufacturer of the device and certified as intrinsically safe by a national testing laboratory or other certification organization approved by the Commandant as defined in 46 CFR 111.105-11. As an alternative to the marking requirement, facility operators may maintain documentation at the facility certifying that the portable radio devices in use at the facility are in compliance with this section.

[CGD 75-124, 45 FR 7172, Jan. 31, 1980; 45 FR 43705, June 30, 1980, as amended by CGD 93-056, 61 FR 41460, Aug. 8, 1996]

**§ 154.570 Lighting.**

(a) Except as provided in paragraph (c) of this section, for operations between sunset and sunrise, a facility must have fixed lighting that adequately illuminates:

(1) Each transfer connection point on the facility;