

§ 149.307

§ 149.307 Blank flange and shutoff valve.

Each floating hose string must have a blank flange and a shutoff valve at the vessel manifold end.

§ 149.309 Manually operated shutoff valve.

Each oil transfer line passing through the SPM buoy must have a manual shutoff valve on the buoy.

§ 149.311 Malfunction detection system.

Each oil transfer system must have a system that can:

- (a) Detect and locate all leaks and other malfunctions, between the PPC and the shore; and
- (b) Be monitored at the Cargo Transfer Supervisor's normal place of duty.

§ 149.313 Oil transfer system alarm.

Each oil transfer system must have an alarm system to signal a malfunction or failure of the system that is—

- (a) Capable of being activated at the Cargo Transfer Supervisor's normal place of duty;
- (b) Audible in all parts of the PPC except in areas of high ambient noise levels where hearing protection is required under §150.509(d) of this subchapter;
- (c) Visible in areas of the PPC where hearing protection is required under §150.509(d) of this subchapter by use of a high intensity flashing light; and
- (d) Distinguishable from the general alarm.

§ 149.315 Marking of oil transfer system alarm.

(a) Each oil transfer alarm switch must be identified by the words "OIL TRANSFER ALARM" in red letters at least one inch high on a yellow background.

(b) Each audio and each visual oil transfer alarm signalling device under §149.313 must have a sign with the words "OIL TRANSFER ALARM" in red letters at least one inch high on a yellow background.

§ 149.317 Communications equipment.

- (a) Each deepwater port must have:
 - (1) A means that enables two-way voice communication among:

33 CFR Ch. I (7-1-03 Edition)

- (i) The Cargo Transfer Supervisor;
 - (ii) The vessel's officer in charge of cargo transfer;
 - (iii) The Cargo Transfer Assistant;
 - (iv) The Port Superintendent;
 - (v) The master or person in charge of service craft operating at the deepwater port; and
 - (vi) The person in charge on the PPC;
- (2) A means, which may be the communications system itself, that enables each of the persons listed in paragraph (a)(1) of this section to indicate his desire to communicate with another of those persons; and
- (3) Communications equipment and facilities that must meet the requirements of 47 CFR 81 and 83.*
- (b) Each portable means of communication used to meet the requirements of this section must be:
- (1) Certified under 46 CFR 111.80-5 to be operated in a Group D, Class 1, Division 1, Atmosphere; and
 - (2) Permanently marked with the certification required in paragraph (b)(1) of this section.

§ 149.319 Discharge containment and removal material, and equipment.

(a) Each deepwater port must have stored, on the pumping platform or a service craft operating at the deepwater port, oil discharge containment and removal material and equipment that, to the extent best available technology allows, can contain and remove an oil discharge of at least 10,000 U.S. gallons for offload-only ports, or 40,000 U.S. gallons for ports where onloading operations are permitted pursuant to section 4(a)(3) of the Act.

(b) Each deepwater port must have readily accessible additional containment and removal material and equipment for containing and removing oil discharges larger than those specified in paragraph (a) of this section. For the purpose of this paragraph, access may be by direct ownership, joint ownership, cooperative venture, or contractual agreement.

(c) The type of discharge containment and removal material and equipment that best meets the requirements

* EDITORIAL NOTE: At 51 FR 31213, Sept. 2, 1986, 47 CFR 81 and 83 were removed.