

§ 149.103 What are the requirements for discharge containment and removal material and equipment?

(a) Each deepwater port must have a facility response plan that meets the requirements outlined in subpart F, part 154, of this chapter, and be approved by the cognizant Captain of the Port.

(b) The facility response plan must identify adequate spill containment and removal equipment for port-specific spill scenarios.

(c) Response equipment and material must be pre-positioned for ready access and use on board the deepwater port.

§ 149.105 What are the requirements for the overflow and relief valves?

(a) Each oil and natural gas transfer system (OTS/NGTS) must include a relief valve that, when activated, prevents pressure on any component of the OTS/NGTS from exceeding its maximum rated pressure.

(b) The transfer system overflow or relief valve must not allow a discharge into the sea.

§ 149.110 What are the requirements for pipeline end manifold shutoff valves?

Each pipeline end manifold must have a shutoff valve capable of operating both manually and from the pumping platform complex.

§ 149.115 What are the requirements for blank flange and shutoff valves?

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

§ 149.120 What are the requirements for manually operated shutoff valves?

Each oil and natural gas transfer line passing through a single point mooring buoy system must have a manual shutoff valve.

§ 149.125 What are the requirements for the malfunction detection system?

(a) Each oil and natural gas system, between a pumping platform complex and the shore, must have a system that can detect and locate leaks and other

malfunctions, particularly in high-risk areas.

(b) The marine transfer area on an oil deepwater port must be equipped with a monitoring system in accordance with § 154.525 of this chapter.

(c) A natural gas deepwater port must be equipped with gas detection equipment adequate for the type of transfer system, including storage and regasification, used. The Commandant (G-P) will evaluate proposed leak-detection systems for natural gas on an individual basis.

§ 149.130 What are the requirements for the cargo transfer system alarm?

(a) Each cargo transfer system must have an alarm to signal a malfunction or failure in the system.

(b) The alarm must sound automatically in the control room and:

(1) Be capable of being activated at the pumping platform complex;

(2) Have a signal audible in all areas of the pumping platform complex, except in areas under paragraph (b)(3) of this section;

(3) Have a high intensity flashing light in areas of high ambient noise levels where hearing protection is required under § 150.615 of this chapter; and

(4) Be distinguishable from the general alarm.

(c) Tankers calling on unmanned deepwater ports must be equipped with a transfer system alarm described in this section.

§ 149.135 What should be marked on the cargo transfer system alarm switch?

Each switch for activating an alarm, and each audio or visual device for signaling an alarm, must be identified by the words "Oil Transfer Alarm" or "Natural Gas Transfer Alarm" in red letters at least 1 inch high on a yellow background.

§ 149.140 What communications equipment must be on a deepwater port?

(a) Each deepwater port must have the following communications equipment:

(1) A system for continuous two-way voice communication among the deepwater port, the tankers, the support

vessels, and other vessels operating at the port. The system must be usable and effective in all phases of a transfer and in all conditions of weather at the port;

(2) A means to indicate the need to use the communication system required by this section, even if the means is the communication system itself; and

(3) Equipment that, for each portable means of communication used to meet the requirements of this section, is:

(i) Certified under 46 CFR 111.105–11 to be operated in Group D, Class 1, Division 1 Atmosphere; and,

(ii) Permanently marked with the certification required in paragraph (a)(3)(i) of this section. As an alternative to this marking requirement, a document certifying that the portable radio devices in use are in compliance with this section may be kept at the deepwater port.

(b) The communication system of the tank ship mooring at an unmanned port will be deemed the primary means of communicating with support vessels, shore side, etc.

§ 149.145 What are the requirements for curbs, gutters, drains, and reservoirs?

Each pumping platform complex must have enough curbs, gutters, drains, and reservoirs to collect, in the reservoirs, all oil and contaminants not authorized for discharge into the ocean according to the port's National Pollution Discharge Elimination System permit.

Subpart C—Lifesaving Equipment

§ 149.300 What does this subpart do?

This subpart provides requirements for lifesaving equipment on deepwater ports.

**MANNED DEEPWATER PORT
REQUIREMENTS**

§ 149.301 What are the requirements for lifesaving equipment?

(a) Each deepwater port on which at least one person occupies an accommodation space for more than 30 consecutive days in any successive 12-month period must comply with the require-

ments for lifesaving equipment in this subpart.

(b) Each deepwater port, not under paragraph (a) of this section, must comply with the requirements for lifesaving equipment for unmanned deepwater ports in this subpart.

§ 149.302 What are the requirements when lifesaving equipment is repaired or replaced?

When lifesaving equipment is replaced, or when the deepwater port undergoes a repair, alteration, or modification that involves replacing or adding to the lifesaving equipment, the new lifesaving equipment must meet the requirements of this subpart.

§ 149.303 What survival craft and rescue boats may be used on a manned deepwater port?

(a) Each survival craft on a manned deepwater port must be one of the following:

- (1) A lifeboat meeting the requirements of § 149.306 of this subpart; or
- (2) A liferaft meeting the requirements of § 149.308 of this subpart.

(b) Each rescue boat on a manned deepwater port must be a rescue boat meeting the requirements of § 149.314 of this subpart.

§ 149.304 What type and how many survival craft and rescue boats must a manned deepwater port have?

(a) Except as specified under § 149.305 of this subpart, each manned deepwater port must have at least the type and number of survival craft and the number of rescue boats indicated for the deepwater port in paragraphs (a)(1) through (a)(5) of this section.

(1) For a deepwater port with 30 or fewer persons on board:

(i) One or more lifeboats with a total capacity of 100 percent of the personnel on board;

(ii) One or more liferafts with a total capacity of 100 percent of the personnel on board; and

(iii) One rescue boat, except that the rescue boat is not required for deepwater ports with eight or fewer persons on board.

(2) For a deepwater port with 31 or more persons on board: