

§ 149.575 How must objects protruding from the water, other than platforms and SPMs, be marked?

(a) Each object protruding from the water that is within 100 yards of a platform or SPM must be marked with white reflective tape.

(b) Each object protruding from the water that is more than 100 yards from a platform or SPM must meet the obstruction lighting requirements in this subpart for a platform.

§ 149.580 What are the requirements for a radar beacon?

(a) A radar beacon must be located on the tallest platform of a pumping platform complex or other fixed structure of the deepwater port.

(b) The beacon must meet the following:

(1) Be an FCC-type-accepted radar beacon (RACON);

(2) Transmit:

(i) In both the 2900–3100 MHz and 9300–9500 MHz frequency bands; or

(ii) If installed before July 8, 1991, in the 9320–9500 MHz frequency band;

(3) Transmit a signal of at least 250 milliwatts radiated power that is omnidirectional and polarized in the horizontal plane;

(4) Transmit a two or more element Morse code character, the length of which does not exceed 25 percent of the radar range expected to be used by vessels operating in the area;

(5) If of the frequency agile type, be programmed so that it will respond, at least 40 percent of the time, but not more than 90 percent of the time, with a response time duration of at least 24 seconds; and

(6) Be located at a minimum height of 15 feet above the highest deck of the platform and where the structure of the platform, or equipment mounted on the platform, does not obstruct the signal propagation in any direction.

§ 149.585 What are the requirements for sound signals?

(a) Each pumping platform complex must have a sound signal, approved under subpart 67.10 of this chapter, that has a 2-mile (3-kilometer) range. A list of Coast Guard approved sound signals is available from any District Commander.

(b) Each sound signal must be:

(1) Located at least 10 feet but not more than 150 feet above mean high water; and

(2) Located where the structure of the platform, or equipment mounted on it, does not obstruct the sound of the signal in any direction.

Subpart F—Design and Equipment

GENERAL

§ 149.600 What does this subpart do?

This subpart provides general requirements for equipment and design on deepwater ports.

§ 149.610 What must the District Commander be notified of and when?

The District Commander must be notified of the following:

When—	The District Commander must be notified—
(a) Construction of a pipeline, platform, or SPM is planned.	At least 30 days before construction begins.
(b) Construction of a pipeline, platform, or SPM begins.	Within 24 hours, from the date construction begins, that the lights and sound signals are in use at the construction site.
(c) A light or sound signal is changed during construction.	Within 24 hours of the change.
(d) Lights or sound signals used during construction of a platform, buoy, or SPM are replaced by permanent fixtures to meet the requirements of this part.	Within 24 hours of the replacement.
(e) The first cargo transfer operation begins.	At least 60 days before the operation.

§ 149.615 What construction drawings and specifications are required?

(a) To show compliance with the Act and this subchapter, the licensee must submit to the Commandant (G-M) three copies of:

(1) Each construction drawing and specification; and

(2) Each revision to a drawing and specification.

(b) Each drawing, specification, and revision under paragraph (a) of this section must bear the seal, or a facsimile imprint of the seal, of the registered professional engineer responsible for the accuracy and adequacy of the material.

§ 149.620 What happens when the Commandant (G-M) reviews and evaluates the construction drawings and specifications?

(a) The Commandant (G-M) may concurrently review and evaluate construction drawings and specifications with the Marine Safety Center and other federal agencies having technical expertise (such as RSPA and FERC) in order to ensure compliance with the Act and this subchapter.

(b) Construction may not begin until the drawings and specifications are approved by the Commandant (G-M).

(c) Once construction begins, the Coast Guard periodically inspects the construction site to ensure that the construction complies with the drawings and specifications approved under paragraph (b) of this section.

(d) When construction is complete, the licensee must submit two complete sets of as-built drawings and specifications to the Commandant (G-M).

§ 149.625 What are the design standards?

(a) Each component, except for hoses, mooring lines, and aids to navigation buoys, must be designed to withstand at least the combined wind, wave, and current forces of the most severe storm that can be expected to occur at the deepwater port in any 100-year period. Component design must be appropriate for the protection of human life on the port or on vessels calling on or servicing the port from death or serious injury, and to protect the environment.

(b) Heliports on floating deepwater ports must be designed in compliance with the regulations at 46 CFR part 108.

STRUCTURAL FIRE-PROTECTION

§ 149.640 What are the requirements for systems fire-protection?

Manned deepwater ports built after January 1, 2004 and manned deepwater ports that undergo major conversions must comply with the requirements for structural fire-protection outlined in this subpart.

§ 149.641 What are the requirements for structural fire-protection for deepwater ports in accommodation spaces and modules?

(a) Accommodations spaces and modules must be designed, located, and constructed so as to minimize the effects of flame, excess heat, or blast effects caused by fires and explosions; and to provide safe refuge from fires and explosions for personnel for the minimum time needed to evacuate the space.

(b) This requirement may be met by complying with the applicable portions of 46 CFR part 108, provided that:

(1) The exterior boundaries of superstructures and deckhouses enclosing these spaces and modules, including any overhanging deck that supports these spaces and modules, are constructed to the A-60 standard defined in 46 CFR 108.131(b)(2) for any portion that faces, and is within 100 feet of, the platform hydrocarbon source; and

(2) The ventilation system must have a means of shutting down the system and an alarm at a manned location that sounds when any hazardous or toxic substance enters the system.

(c) As an alternative to paragraph (b) of this section, the requirement imposed by this section may be met by complying with a national consensus standard, as that term is defined in 29 CFR 1910.2, for the structural fire-protection of accommodation spaces and modules, and that complies with the standards set by a nationally recognized testing laboratory, as that term is defined by 29 CFR 1910.7, for such protection, provided that:

(1) All such spaces and modules on manned ports are provided with automatic fire-detection and alarm systems. The alarm system must signal a normally manned area both visually and audibly, and be divided into zones to limit the area covered by a particular alarm signal;

(2) Sleeping quarters are fitted with smoke detectors that have local alarms that may, or may not, be connected with the central alarm panel; and

(3) Independent fire walls are constructed and installed so as to be of size and orientation sufficient to protect the exterior surfaces of the spaces or modules from extreme radiant heat