

(b) The facility operator may propose amendments to the operations manual by:

(1) Submitting any proposed amendment and reasons for the amendment to the COTP not less than 30 days before the requested effective date of the proposed amendment; or

(2) If an immediate amendment is needed, requesting the COTP to approve the amendment immediately.

(c) The COTP shall respond to proposed amendments submitted under paragraph (b) of this section by:

(1) Approving or disapproving the proposed amendments;

(2) Advising the facility operator whether the request is approved, in writing, before the requested date of the amendments;

(3) Including any reasons in the written response if the request is disapproved; and

(4) If the request is made under paragraph (b)(2) of this section immediately approving or rejecting the request.

(d) Amendments to personnel and telephone number lists required by § 154.310(a)(7) of this part do not require examination by the COTP, but the COTP must be advised of such amendments as they occur.

[CGD 75-124, 45 FR 7171, Jan. 31, 1980, as amended by CGD 86-034, 55 FR 36253, Sept. 4, 1990; CGD 93-056, 61 FR 41459, Aug. 8, 1996]

**§ 154.325 Operations manual: Procedures for examination.**

(a) The operator of a facility shall submit two copies of the Operations Manual to the Captain of the Port of the zone in which the facility is located.

(b) Not less than 60 days prior to any transfer operation, the operator of a new facility shall submit, with the letter of intent, two copies of the Operations Manual to the Captain of the Port of the zone in which the facility is located.

(c) After a facility is removed from caretaker status, not less than 30 days prior to any transfer operation the operator of that facility shall submit two copies of the Operations Manual to the COTP of the zone in which the facility is located unless the manual has been previously examined and no changes have been made since the examination.

(d) If the COTP finds that the Operations Manual meets the requirements of this part and part 156 of this chapter, the COTP will return one copy of the manual to the operator marked "Examined by the Coast Guard".

(e) If the COTP finds that the Operations Manual does not meet the requirements of this part and/or part 156 of this chapter, the COTP will return the manuals with an explanation of why it does not meet the requirements of this chapter.

(f) No person may use any Operations Manual for transfer operations as required by this chapter unless the Operations Manual has been examined by the COTP.

(g) The Operations Manual is voided if the facility operator—

(1) Amends the Operations Manual without following the procedures in § 154.320 of this part;

(2) Fails to amend the Operations Manual when required by the COTP; or

(3) Notifies the COTP in writing that the facility will be placed in caretaker status.

[CGD 93-056, 61 FR 41459, Aug. 8, 1996]

**Subpart C—Equipment Requirements**

**§ 154.500 Hose assemblies.**

Each hose assembly used for transferring oil or hazardous material must meet the following requirements:

(a) The minimum design burst pressure for each hose assembly must be at least four times the sum of the pressure of the relief valve setting (or four times the maximum pump pressure when no relief valve is installed) plus the static head pressure of the transfer system, at the point where the hose is installed.

(b) The maximum allowable working pressure (MAWP) for each hose assembly must be more than the sum of the pressure of the relief valve setting (or the maximum pump pressure when no relief valve is installed) plus the static head pressure of the transfer system, at the point where the hose is installed.

(c) Each nonmetallic hose must be usable for oil or hazardous material service.

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(d) Each hose assembly must either have:

- (1) Full threaded connections;
- (2) Flanges that meet standard B16.5, *Steel Pipe Flanges and Flang Fittings*, or standard B.16.24, *Brass or Bronze Pipe Flanges*, of the American National Standards Institute (ANSI); or
- (3) Quick-disconnect couplings that meet ASTM F 1122 (incorporated by reference, see § 154.106).

(e) Each hose must be marked with one of the following:

- (1) The name of each product for which the hose may be used; or
- (2) For oil products, the words "OIL SERVICE"; or
- (3) For hazardous materials, the words "HAZMAT SERVICE—SEE LIST" followed immediately by a letter, number or other symbol that corresponds to a list or chart contained in the facility's operations manual or the vessel's transfer procedure documents which identifies the products that may be transferred through a hose bearing that symbol.

(f) Each hose also must be marked with the following, except that the information required by paragraphs (f)(2) and (3) of this section need not be marked on the hose if it is recorded in the hose records of the vessel or facility, and the hose is marked to identify it with that information:

- (1) Maximum allowable working pressure;
- (2) Date of manufacture; and
- (3) Date of the latest test required by § 156.170.

(g) The hose burst pressure and the pressure used for the test required by § 156.170 of this chapter must not be marked on the hose and must be recorded elsewhere at the facility as described in paragraph (f) of this section.

(h) Each hose used to transfer fuel to a vessel that has a fill pipe for which containment can not practically be provided must be equipped with an automatic back pressure shutoff nozzle.

[CGD 75-124, 45 FR 7172, Jan. 31, 1980, as amended by CGD 86-034, 55 FR 36253, Sept. 4, 1990; CGD 88-032, 56 FR 35820, July 29, 1991; CGD 92-027, 58 FR 39662, July 26, 1993; CGD 93-056, 61 FR 41459, Aug. 8, 1996; USCG-2000-7223, 65 FR 40057, June 29, 2000]

**§ 154.510 Loading arms.**

(a) Each mechanical loading arm used for transferring oil or hazardous material and placed into service after June 30, 1973, must meet the design, fabrication, material, inspection, and testing requirements in ANSI B31.3.

(b) The manufacturer's certification that the standard in paragraph (a) of this section has been met must be permanently marked on the loading arm or recorded elsewhere at the facility with the loading arm marked to identify it with that information.

(c) Each mechanical loading arm used for transferring oil or hazardous material must have a means of being drained or closed before being disconnected after transfer operations are completed.

[CGD 75-124, 45 FR 7172, Jan. 31, 1980, as amended by CGD 86-034, 55 FR 36253, Sept. 4, 1990]

**§ 154.520 Closure devices.**

(a) Except as provided in paragraph (b) of this section, each facility to which this part applies must have enough butterfly valves, wafer-type resilient seated valves, blank flanges, or other means acceptable to the COTP to blank off the ends of each hose or loading arm that is not connected for the transfer of oil or hazardous material. Such hoses and/or loading arms must be blanked off during the transfer of oil or hazardous material. A suitable material in the joints and couplings shall be installed on each end of the hose assembly or loading arm not being used for transfer to ensure a leak-free seal.

(b) A new, unused hose, and a hose that has been cleaned and is gas free, is exempt from the requirements of paragraph (a) of this section.

[CGD 93-056, 61 FR 41459, Aug. 8, 1996]

**§ 154.525 Monitoring devices.**

The COTP may require the facility to install monitoring devices if the installation of monitoring devices at the facility would significantly limit the size of a discharge of oil or hazardous material and either:

- (a) The environmental sensitivity of the area requires added protection;