
(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 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.

(e) 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.

(f) 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.

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.

(d) Each hose assembly must either have:
   (1) Full threaded connections;
   (2) Flanges that meet ANSI B16.5 or B16.24 (both incorporated by reference; see §154.106); 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.

§ 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 (incorporated by reference; see §154.106).

(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.

§ 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. A suitable material in the joints and couplings shall