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(ii) Transfer of flammable LHG is discontinued when electrical storms or uncontrolled fires approach near the area; and

(4) Ensure that the outdoor lighting required by §127.1109 is turned on between sunset and sunrise.

(d) Upon completion of transfer of LHG, each operator of a waterfront facility handling LHG shall ensure that hoses and loading arms used for transfer are drained of LHG residue and depressurized before disconnecting from the vessel.

NOTE TO §127.1319: Corresponding standards for vessels appear at 46 CFR part 154.

§ 127.1321 Release of LHG.

(a) Each operator of a waterfront facility handling LHG shall ensure that—

(1) No person intentionally releases LHG into the environment; and

(2) If a release of LHG or its vapor threatens vessels or persons outside the marine transfer area for LHG, they are notified by the warning devices.

(b) If LHG or its vapor is released, the person in charge of transfer for the facility shall—

(1) Immediately notify the person in charge of transfer aboard the vessel that transfer must be shut down;

(2) Shut down transfer in coordination with the person aboard the vessel;

(3) Notify the COTP of the release; and

(4) Not resume transfer until authorized by the COTP.

§ 127.1325 Access to marine transfer area for LHG.

Each operator of a waterfront facility handling LHG shall ensure that—

(a) Access to the marine transfer area for LHG from shoreside and waterside is limited to—

(1) Personnel who work in the area, transfer personnel, vessel personnel, and delivery and service personnel in the course of their business;

(2) Federal, State, and local officials; and

(3) Other persons authorized by the operator;

(b) Each person allowed into the area is positively identified as someone authorized to enter and that each person other than an employee of the facility displays an identifying badge;

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(c) Guards are stationed, and fences or other devices are installed, to prevent, detect, and respond to unauthorized access, fires, and releases of LHG in the area, except that alternative measures approved by the COTP (such as electronic monitoring or random patrols) will be sufficient where the stationing of guards is impracticable; and

(d) Coast Guard personnel are allowed access to the facility, at any time, to make any examination or to board any vessel moored at the facility.

MAINTENANCE

§ 127.1401 General.

Each operator of a waterfront facility handling LHG shall ensure that all cargo handling equipment is operable, and that no equipment that may cause the release or ignition of LHG is used in the marine transfer area for LHG.

§ 127.1403 Inspections.

(a) Each operator of a waterfront facility handling LHG shall conduct a visual inspection for defects of each pressure relief device not capable of being tested.

(b) The operator shall conduct the inspection required by paragraph (a) of this section at least once each calendar year, with intervals between inspections not exceeding 15 months.

§ 127.1405 Repairs.

Each operator of a waterfront facility handling LHG shall ensure that—

(a) Equipment is repaired so that—

(1) The equipment continues to meet the applicable requirements in this subpart; and

(2) Safety is not compromised; and

(b) Welding and cutting meet NFPA 51B.

§ 127.1407 Tests.

(a) Each operator of a waterfront facility handling LHG shall conduct a static liquid-pressure test of the piping, hoses, and loading arms of the LHG-transfer system located in the marine transfer area for LHG, and shall verify the set pressure of the safety and relief valves—

(1) After the system or the valves are altered;

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(2) After major repairs to the system or the valves;

(3) After any increase in the MAWP of the system; and

(4) At least once each calendar year, with intervals between tests not exceeding 15 months.

(b) The pressure for the test under paragraph (a) of this section must be at least 1.1 times the MAWP and last for at least 30 minutes.

(c) The operator shall conduct a test of each pressure gauge, to ensure that the displayed pressure is within 10 percent of the actual pressure, at least once each calendar year, with intervals between tests not exceeding 15 months.

(d) The operator shall conduct a test of each item of remote operating or indicating equipment, such as a remotely operated valve, at least once each calendar year, with intervals between tests not exceeding 15 months.

(e) The operator shall conduct a test of the emergency shutdown required by §127.1205 at least once every two months, to ensure that it will perform as intended. If transfers of LHG occur less often than every two months, the operator may conduct this test before each transfer instead of every two months.

(f) The operator shall conduct a test of the warning alarm required by §127.1207 at least once every six months, to ensure that it will perform as intended. If transfers of LHG occur less often than every six months, the operator may conduct this test before each transfer instead of every six months.

§ 127.1409 Records.

(a) Each operator of a waterfront facility handling LHG shall keep on file:

(1) A description of the components inspected or tested under §127.1403 or 127.1407.

(2) The date and results of each inspection or test under §127.1403 or 127.1407.

(3) A description of any repair made after the inspection or test.

(4) The date and a description of each alteration or major repair to the LHG transfer system or its valves.

(b) The operator shall keep this information on file for at least 24 months

after the inspection, test, alteration, or major repair.

FIREFIGHTING EQUIPMENT

§ 127.1501 General.

(a) The number, kind, and place of equipment for fire detection, protection, control, and extinguishment must be determined by an evaluation based upon sound principles of fire-protection engineering, analysis of local conditions, hazards within the waterfront facility handling LHG, and exposure to other property. A description of the number, kind, place, and use of fire equipment determined by this evaluation must appear in the Emergency Manual for each facility. The evaluation for each new facility and for all new construction on each existing facility must be submitted to the COTP for review when the emergency manual is submitted under §127.1307.

(b) All fire equipment for each facility must be adequately maintained, and periodically inspected and tested, so it will perform as intended.

(c) The following must be red or some other conspicuous color and be in places that are readily accessible:

(1) Hydrants and standpipes.

(2) Hose stations.

(3) Portable fire extinguishers.

(4) Fire monitors.

(d) Fire equipment must bear the approval, if applicable, of Underwriters Laboratories, Inc., Factory Mutual Research Corporation, or other independent laboratory recognized by NFPA.

[CGD 88-049, 60 FR 39796, Aug. 3, 1995, as amended by USCG-1999-5832, 64 FR 34714, June 29, 1999]

§ 127.1503 Portable fire extinguishers.

Each operator of a waterfront facility handling LHG must provide portable fire extinguishers of appropriate, number, size, and kind in the marine transfer area for LHG in accordance with NFPA 10.

§ 127.1505 Emergency response and rescue.

(a) Each waterfront facility handling LHG must arrange for emergency response and rescue pending the arrival