(e) Testing the system. (1) When testing a fixed extinguishing system involves a total discharge of extinguishing medium into a space, the employer must evacuate all employees from the space and assure that no employees remain in the space during the discharge. The employer must retest the atmosphere in accordance with §1915.12 to ensure that the oxygen levels are safe for employees to enter.

(2) When testing a fixed extinguishing system does not involve a total discharge of the system’s extinguishing medium, the employer must make sure that the system’s extinguishing medium is physically isolated and that all employees not directly involved in the testing are evacuated from the protected space.

(f) Conducting system maintenance. Before conducting maintenance on a fixed extinguishing system, the employer must ensure that the system is physically isolated.

(g) Using fixed manual extinguishing systems for fire protection. If fixed manual extinguishing systems are used to provide fire protection for spaces in which the employees are working, the employer must ensure that:

(1) Only authorized employees are allowed to activate the system;

(2) Authorized employees are trained to operate and activate the systems; and

(3) All employees are evacuated from the protected spaces, and accounted for, before the fixed manual extinguishing system is activated.

§1915.507 Land-side fire protection systems.

(a) Employer responsibilities. The employer must ensure all fixed and portable fire protection systems needed to meet an OSHA standard for employee safety or employee protection from fire hazards in land-side facilities, including, but not limited to, buildings, structures, and equipment, meet the requirements of this section.

(b) Portable fire extinguishers and hose systems. (1) The employer must select, install, inspect, maintain, and test all portable fire extinguishers according to NFPA 10–2002 Standard for Portable Fire Extinguishers (incorporated by reference, see §1915.5).

(2) The employer is permitted to use Class II or Class III hose systems, in accordance with NFPA 10–2002 (incorporated by reference, see §1915.5), as portable fire extinguishers if the employer selects, installs, inspects, maintains, and tests those systems according to the specific recommendations in NFPA 14–2003 Standard for the Installation of Standpipe and Hose Systems (incorporated by reference, see §1915.5).

(c) General requirements for fixed extinguishing systems. The employer must:

(1) Ensure that any fixed extinguishing system component or extinguishing agent is approved by an OSHA Nationally Recognized Testing Laboratory, meeting the requirements of 29 CFR 1910.7, for use on the specific hazards the employer expects it to control or extinguish;

(2) Notify employees and take the necessary precautions to ensure employees are safe from fire if for any reason a fire extinguishing system stops working, until the system is working again;

(3) Ensure all repairs to fire extinguishing systems and equipment are done by a qualified technician or mechanic;

(4) Provide and ensure employees use proper personal protective equipment when entering discharge areas in which the atmosphere remains hazardous to employee safety or health, or provide safeguards to prevent employees from entering those areas. See §1915.12 for additional requirements applicable to safe entry into spaces containing dangerous atmospheres;

(5) Post hazard warning or caution signs at both the entrance to and inside of areas protected by fixed extinguishing systems that use extinguishing agents in concentrations known to be hazardous to employee safety or health; and

(6) Select, install, inspect, maintain, and test all automatic fire detection systems and emergency alarms according to NFPA 72–2002 National Fire Alarm Code (incorporated by reference, see §1915.5).

(d) Fixed extinguishing systems. The employer must select, install, maintain, inspect, and test all fixed systems required by OSHA as follows:
§ 1915.508 Training.

(a) The employer must train employees in the applicable requirements of this section:

(1) Within 90 days of December 14, 2004, for employees currently working;

(2) Upon initial assignment for new employees; and

(3) When necessary to maintain proficiency for employees previously trained.

(b) Employee training. The employer must ensure that all employees are trained on:

(1) The emergency alarm signals, including system discharge alarms and employee evacuation alarms; and

(2) The primary and secondary evacuation routes that employees must use in the event of a fire in the workplace. While all vessels and vessel sections must have a primary evacuation route, a secondary evacuation route is not required when impracticable.

(3) Fixed extinguishing systems that use water or foam as the extinguishing agent according to NFPA 15–2001 Standard for Water Spray Fixed Systems for Fire Protection (incorporated by reference, see §1915.5) and NFPA 11–2005 Standard for Low-, Medium-, and High-Expansion Foam (incorporated by reference, see §1915.5);

(4) Fixed extinguishing systems using dry chemical as the extinguishing agent according to NFPA 17–2002 Standard for Dry Chemical Extinguishing Systems (incorporated by reference, see §1915.5); and

(5) Fixed extinguishing systems using gas as the extinguishing agent according to NFPA 12–2005 Standard on Carbon Dioxide Extinguishing Systems (incorporated by reference, see §1915.5); NFPA 12A–2004 Standard on Halon 1301 Fire Extinguishing Systems (incorporated by reference, see §1915.5); and NFPA 2001–2004 Standard on Clean Agent Fire Extinguishing Systems (incorporated by reference, see §1915.5).

§ 1915.508 Training.

(a) The employer must train employees in the applicable requirements of this section:

(1) Within 90 days of December 14, 2004, for employees currently working;

(2) Upon initial assignment for new employees; and

(3) When necessary to maintain proficiency for employees previously trained.