

2024 – 4D Safety School



OKLAHOMA
LP Gas Administration

Hazmat Training

 **DANGER**



**Propane
gas**
iStock
Credit: Mohamed Rasik

Flammable.



Hazmat Employee Training Requirements

Employer must:

- Certify employees are trained & tested
- Create & retain training records
 - Inclusive of the proceeding 3 years
 - For duration of employment & 90 days thereafter
- Provide hazmat training within 90 days of hire or change in job function.
- Recurrent training is required at least once every 3 years.
- General awareness / familiarization
- Function specific training

Hazmat Employee Training Requirements

- Safety
- Security awareness
- In-depth security training
- Hazmat employee name
- Completion date of most recent training
- Copy or description of training materials or location thereof
- Name and address of the hazmat trainer
- Certification showing the employee has been trained & tested

Mobile Phone Use / Texting

CMV Drivers:

- NO texting
- No hand-held mobile phones
- Fine to driver: \$2,750.00
- Fine to company: \$11,000.00



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Cylinder Requalification

- Do NOT fill out of date cylinders
- RIN
- Stamp vs. Sticker
- Specific Training Requirements
- NFPA / CGA / 40CFR / OSHA / 49CFR
- Documentation
- Knowing the difference between ASME vs. DOT



Transporting ASME Tanks > 5%

- Each tank in the yard with > 5% must have accompanying paperwork
- How the tank got there
- From customers house straight to propane storage yard
- Keep records for at least 2 years
- No tanks greater than 500 water gallon



Form 4's are REQUIRED

IMPORTANT

- New customer
- 24 months has passed since gas was injected into a system that was previously serviced
- After a section of new or modified gas piping is put into service
- A leak is suspected
- Out-of-gas situation occurs
- Interruption of service



NFPA 54 2021 Edition – Chapter 8



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Pressure Testing

8.1 Testing and Inspection

Before being put into operation, piping installations must be inspected and tested to determine that the total project complies with the code.

The piping installation includes all fixed piping from the point of delivery, to and including the equipment shutoff valves.

Appliances and appliance connectors are not part of the fixed piping system and are not included in the test.

The pressure test is conducted once, prior to the initial operation of the piping system. Additional pressure test may subsequently be performed on added portions of the system.

Pressure Testing

8.1.1.1.

Prior to acceptance and initial operation, all piping and installations shall be visually inspected, and pressure tested to determine that the materials, design, fabrication, and installation practices comply with the requirements of this code.

8.1.1.2.

Inspection shall consist of visual examination, during and after manufacture, fabrication, assembly, or pressure test.

Pressure Testing

8.1.1.3.

Where repairs or additions are made following the pressure test, the affected piping shall be tested.

Minor repairs and additions are not required to be pressure tested, provided that the work is inspected, and connections are tested with non-corrosive leak-detecting fluid or other leak-detecting methods approved by the authority having jurisdiction.

Pressure Testing

8.1.1.4.

Where new branches are installed to new appliances(s), only the newly installed branch(es) shall be required to be pressure tested.

Connections between the new piping and the existing piping shall be tested with a non-corrosive leak-detecting fluid or approved leak detecting method.

Pressure Testing

8.1.1.5.

A piping system shall be tested as a complete unit or in sections. Under no circumstance shall a valve in a line be used as a bulkhead between gas in one section of the piping system and test medium in an adjacent section, unless a double block and bleed valve system is installed.

A valve shall not be subjected to the test pressure unless it can be determined that the valve, including the valve closing mechanism, is designed to safely withstand the pressure.

Pressure Testing / Leak Checks

Pressure test and leak checks are often confused.

A **pressure test** is required for new piping installations and additions to piping installations.

Leak Checks

A leak check is required in the following instances:

- When the gas to a new piping system is turned on
- When the gas to an existing system is turned back on after being turned off
- When the gas to an existing system is turned back on following an out-of-gas condition
- A gas leak is suspected
- A gas meter is replaced
- An out-of-gas condition or interruption of service occurs

Leak Checks

8.2.2. Turning gas on

During the process of turning gas on into a system of new gas piping, the entire system shall be inspected to determine that there are no open fittings or ends and that valves at unused outlets are closed and plugged or capped.

8.2.3. Leak Check

Immediately after the gas is turned on into a new system or into a system that has been initially restored after an interruption of service, the piping system shall be checked for leakage. Where leakage is indicated, the gas supply shall be shut off until the necessary repairs have been made.

Leak Checks

8.2.4. Placing appliances and equipment in operation

Appliances and equipment shall not be placed in operation until after the piping system has been checked in accordance with 8.2.3; the piping system is purged in accordance with section 8.3; and connections to the appliance are checked for leakage and purged.

Oklahoma Admin. Code 420:10-1-15.

Standards for installations of gas appliances, gas piping and testing

- (a) The standards for installation of gas appliances, gas piping and testing, thereof adopted by the National Fire Protection Association and published in its Handbook No. 54, have been adopted by the Legislature in 52 O.S. 1991, Section 420.3 (e) and shall be the accepted standards for the State of Oklahoma.
- (b) Pressure tests and/or leak tests that are required by NFPA 54, 58, 1192, and this chapter, shall be documented on an approved Form 4 or other Board approved form. The form shall be completed with one (1) copy in file at the office or branch office serving the account, one (1) **copy filed with the LP Gas Administration within fifteen (15) working days after tests are performed**, and one(1) copy to the owner, renter or responsible person.

Oklahoma Admin. Code 420:10-1-15.

Standards for installations of gas appliances, gas piping and testing

- (c) Form 4's and other approved forms must be completed in **their entirety, legible and with all required signatures. If Form 4's are not completed properly they will not be accepted as a testing record.** Form 4's or other Board approved forms shall be utilized to document pressure tests or leaks tests as follows:
- (1) Prior to injecting gas in a system for the first time (new customer), or if a period of 24 months has passed since gas was injected into a system previously serviced.
 - (2) After any circumstance as described in NFPA 54 that would require a pressure test or leak test, such as, but not limited to the following:
 - (A) a section of new or modified gas piping is placed into service;
 - (B) gas leakage is suspected;
 - (C) an out of gas condition occurs;
 - (D) an interruption of service.



Oklahoma Admin. Code 420:10-1-15.

Standards for installations of gas appliances, gas piping and testing

(3) In the event of a change of ownership of the propane company, properly completed and filed Form 4's or other Board approved form may be transferred to the new company. The new company must secure a Form 4 or other Board approved form on all customers transferred. If a Form 4 cannot be secured on all the customers transferred, then the Administrator will establish a time schedule for the new company to complete and file all required Form 4's, as needed to stay in compliance.

(d) For standards for installation of gas appliances, gas piping, testing and test records for public buildings refer to 420:10-1-14, (2)&(4).