



Gas Test Inspection Guidelines

When is a gas test inspection required?

1. Whenever a new system is installed (new construction).
2. When leaks are found in an existing system.
3. When a gas system has been turned off for more than 180-days.
4. When alternations are made to an existing gas piping system.

***Atmos Energy will not turn on new service or restore serve that has been turned off to any customer unless a gas test inspection has been performed and approved by the City of Aurora.*

How to prepare for a successful result:

1. Obtain a permit from the Aurora Building Department. Permit may be obtained by a contractor holding a Master Plumbing License or the homeowner. NOTE: Homeowner my only be issued a permit for work physically performed by the homeowner on a property owned and occupied by him as his homestead. Landlords and tenants will not be issued a permit.
2. Obtain an approved test gauge. The test gauge shall be a calibrated diaphragm type gauge or a manometer (mercury gauge).
NOTE: CHEAP SPRING TYPE TESTS GAUGES ARE NOT PERMITTED.
Required test pressure for a standard low pressure residential system is 3psig.
For a medium pressure system, a test pressure of 10psig will be required.
The test pressure must be maintained for at least 15-minutes with no visible loss. For large commercial systems, longer test duration may be required. If pressure loss is observed, leaks must be located and repaired.
3. All piping must be tested from the point of attachment at the meter to the shut off valves for each individual gas appliance. Shut off valves must be turned off at the appliance. **The yard line and inside piping system must be tested in every case.** For medium pressure commercial tests regulators must be removed or isolated and **both high and low sides must be tested.**
4. Correct any dangerous conditions present at gas appliances. Some examples are listed below:
 - a. Copper gas lines or gas connectors must be replaced with approved gas connectors. Approved connectors will be indentified with the CSA u.s. mark.
***No flexible gas connector my enter the housing cabinet of a furnace. Rigid black pipe must be installed through the housing and inside the furnace. The final connection outside the housing may be made with an approved flex connector.*
 - b. All flue vents must be in sound condition, not disconnected, pulled apart or dropped below the roof deck. No single wall metal pipe will be permitted to extend through the attic. Make sure you have at least 1" clearance to combustibile materials for double wall vent and 6" clearance for single wall vent.

- c. Any unvented gas heater or decorative appliance not equipped with an approved oxygen depletion sensor must be removed or permanently capped. The most common example of an UNAPPROVED appliance is the ceramic bathroom heater.
- d. Any closet in which gas burning appliances are installed must have a source of fresh air (combustion air) supplied to the closet. Many closets will have a screened vent at the closet ceiling. Make sure this vent is not blocked with insulation or dust. Fine mesh screens should be removed to prevent future clogging.

***NOTE: Appliances are not required to be brought up to all current Code requirements, but any hazardous condition must be corrected before gas test will be approved. The above items do not constitute a complete list of hazardous conditions, but the most common ones found.*

When do I call for inspection?

Call 817-636-2783 and/or email cityofaurora@hotmail.com AFTER

- (1) Permit is obtained
- (2) Any hazardous situation is corrected
- (3) Gas test is holding pressure with not visible drop for a bare minimum of 15-minutes. (A tight system should hold pressure for much longer than this.) Large commercial systems may require longer test duration.
- (4) An adult is present to allow entry inside a building to the inspector.

What's next?

If the inspection is approved, the plumbing inspector will release the service to Atmos Energy and give approval to restore or connect service. The customer will also need to contact Atmos Energy to request service at 1-800-460-3030. Atmos will let you know when you can expect service to be turned on.

NOTE: Atmos may require that the test gauge be removed, the meter be reconnected and any open trench be filled before they will turn on gas service.

If an inspection is not approved, a list of needed corrections will be provided by the plumbing inspector. Once the corrections have been made, call/email for a re-inspection.

*****INSPECTIONS REQUIRE A MINIMUM REQUEST TIME OF 24-HOURS****