



Ohio Manufactured Homes Commission

5100 Parkcenter Avenue, Suite 103, Dublin, Ohio 43017

Bulletin

June 28, 2011

To: OMHC Certified Building Departments
OMHC Certified Health Departments
OMHC Certified Third Party Agencies
OMHC Licensed Installers

From: Dave Long, Investigator/Inspector

Re: Gas System Testing

In an effort to clear up any confusion regarding the use of the "Gas System Testing" form (see attached), we have redesigned it for your use. Please make copies and provide this form with the issuance of a permit where a gas utility is involved.

OWNER: _____

ADDRESS: _____

CITY: _____ COUNTY: _____

INSTALLER: _____ OMHC LICENSE: _____

MANUFACTURER: _____ SERIAL #: _____

DATE OF MANUFACTURE: _____ HUD#: _____

- *For the purpose of convenience, this section could be completed by the inspection agency to assure that all of the information is correct. This information can be obtained from the application.*
- *If the homeowner is the installer, indicate that on the installer line.*

The gas system was tested at the factory however, it is essential that it be rechecked for any leaks caused during transit. The OMHC licensed installer or licensed plumber shall perform the following test or verify that the gas company has tested the lines and provide results to the OMHC certified inspection agency. The inspection agency reserves the right to be present for these tests. For concerns regarding the use of this form please contact **OMHC at 614-734-6010.**

- *It is important to understand that only an OMHC licensed installer, a licensed plumber, or the gas company has the authority to perform the test and certify that the system has been tested. If the homeowner is the installer, they are required to make arrangements with an OMHC installer, or licensed plumber, or gas company for assistance.*
- *This form must be submitted back to the inspection agency that issued the permit and only they can provide the gas company with verification that the system has been tested and is ready for gas service.*

4781-602.6 (E) - Fuel supply system – The gas piping in a home is designed for a pressure that is at least 10” of water column and not more than 14” of water column . If gas from the supply source exceeds, or could exceed this pressure, a pressure reducer shall be installed.

1st test of partial system: (Do not check brass fittings for leaks using solutions containing ammonia)

1. Isolate all gas appliances by closing valves
2. Attach pressure gage at inlet
3. Pressurize the system with air to 3 psi (48 ounces)
4. Isolate pressure source for system
5. Pressure must remain stable for at least 10 minutes at 3 psi
6. If system fails, repair and retest
7. If piping or fittings fail they must be replaced.

System high pressure test approved - Yes ___ No ___ Conducted by: Lic. Installer ___ Lic. Plumber ___ Gas Co. ___

2nd test of total system: (Do not check brass fittings for leaks using solutions containing ammonia)

1. Open all appliance valves
2. Attach pressure gauge at inlet
3. Turn off pilot lights if possible
4. Pressure and maintain system with air at 0.25 PSI (4 ounces) for three minutes.
5. Apply non-ammonia based soapy solution to fittings.
6. If system fails repair any leaks. Defective pipe and fittings must be replaced then retest.

System low pressure test approved - Yes ___ No ___ Conducted by: Lic. Installer ___ Lic. Plumber ___ Gas Co. ___

- *This is the OMHC minimum standard for testing. For new homes, check the manufactures instructions for testing. For others, check with the local gas company for testing and pressure reducer requirements.*

Verify that gas appliance inlet orifices are the correct type for the type of gas used at the site.

Remarks: _____

Signature of OMHC licensed Installer or licensed plumber or gas co. rep.

Print name

Date

- *Natural gas is a much lower pressure gas than propane. Connecting a natural gas appliance to a propane system will result in appliance malfunction and possible danger. Refer to the appliance installation instructions for guidance.*
- *Include any special remarks that will give insight to the inspection agency regarding this test of the gas system.*
- *The appropriate person must sign and print their name and date of test. Prior to service, this form must be returned to the inspection agency that issued the permit.*

Should you have questions regarding this bulletin, please contact me at: dave.long@omhc.state.oh.us



Ohio Manufactured Homes Commission

15100 Parkcenter Avenue, Suite 103, Dublin, Ohio 43017

Gas System Testing

OWNER: _____

ADDRESS: _____

CITY: _____ COUNTY: _____

INSTALLER: _____ OMHC LICENSE: _____

MANUFACTURER: _____ SERIAL #: _____

DATE OF MANUFACTURE: _____ HUD#: _____

The gas system was tested at the factory however, it is essential that it be rechecked for any leaks caused during transit. The OMHC licensed installer or licensed plumber shall perform the following test or verify that the gas company has tested the lines and provide results to the OMHC certified inspection agency. The inspection agency reserves the right to be present for these tests. For concerns regarding the use of this form please contact **OMHC at 614-734-6010.**

Piping system testing

4781-602.6 (E) - Fuel supply system – The gas piping in a home is designed for a pressure that is at least 10” of water column and not more than 14” of water column . If gas from the supply source exceeds, or could exceed this pressure, a pressure reducer shall be installed.

1st test of partial system: (Do not check brass fittings for leaks using solutions containing ammonia)

1. Isolate all gas appliances by closing valves
2. Attach pressure gage at inlet
3. Pressurize the system with air to 3 psi (48 ounces)
4. Isolate pressure source for system
5. Pressure must remain stable for at least 10 minutes at 3 psi
6. If system fails, repair and retest
7. If piping or fittings fail they must be replaced.

System high pressure test approved - Yes ___ No ___ Conducted by: Lic. Installer ___ Lic. Plumber ___ Gas Co. ___

2nd test of total system: (Do not check brass fittings for leaks using solutions containing ammonia)

1. Open all appliance valves
2. Attach pressure gauge at inlet
3. Turn off pilot lights if possible
4. Pressure and maintain system with air at 0.25 PSI (4 ounces) for three minutes.
5. Apply non-ammonia based soapy solution to fittings.
6. If system fails repair any leaks. Defective pipe and fittings must be replaced then retest.

System low pressure test approved - Yes ___ No ___ Conducted by: Lic. Installer ___ Lic. Plumber ___ Gas Co. ___

Verify that gas appliance inlet orifices are the correct type for the type of gas used at the site.

Remarks: _____

Signature of OMHC licensed installer or licensed plumber or gas co. rep.

Print name

Date