Eaton County
Construction Codes Department
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"OUR GOAL IS TO PROVIDE A SAFER PLACE TO LIVE, WORK AND PLAY"

GAS PIPING TEST VERIFICATION AFFIDAVIT

2009 MICHIGAN RESIDENTIAL CODE 2009 MICHIGAN MECHANICAL CODE
2009 INTERNATIONAL FUEL GAS CODE

[1] PERMIT NUMBER:	[2] JOB SITE ADDRESS:	[3] CONTRACTOR:
[4] CONTRACTORS LICENSE NUMBER:	[5] DATE AND TIME TESTED:	[6] TYPE OF GAS:

[7] TEST MEDIUM USED:

	AIR		NITROGEN		CARBON DIOXIDE		FUEL GAS (LP tank must be disconnected before test is conducted)

[8] STANDARDS:

1. The test pressure shall be measured with a manometer or with a pressure measuring device designed and calibrated to read, record, or indicate a pressure loss due to leakage during the pressure test period. The source of pressure shall be isolated or disconnected before the pressure test is made.

2. The test pressure to be used shall be no less than 12 times the proposed maximum working pressure, but not less than 3 psig (20 kPa gauge), irrespective of the design pressure.

3. Systems for undiluted liquefied petroleum gases shall withstand the pressure test in accordance with 2 above, or, for a single-stage system operating at a pressure of 2 psig (3.5 kPa gauge) or less shall withstand a test pressure of 9.0 ± 2 inch (22 ± 1.2 kPa) water column for a period of not less then 10 (ten) minutes without showing any drop in pressure. If the source of this test is a liquefied petroleum gas container, the container shall be disconnected from the system before the pressure test is run.

3. Test duration shall not be less than 2 hour for each 500 cubic feet (14m^3) of pipe volume or fraction thereof. When testing a system having a volume less than ten (10) cubic feet (0.28 m^3) or a system in a single family dwelling, the test duration shall be permitted to be reduced to ten (10) minutes. For piping systems having a volume of more than 24,000 cubic feet (680m^3) the duration of the test shall not be required to exceed 24 hours.

5. The piping system shall withstand the test pressure specified without showing any evidence of leakage or other defects. Any reduction of test pressures as indicated by pressure gauges shall be deemed to indicate the presence of a leak unless such reduction can be readily attributed to some other cause.

6. The leakage, if any, shall be located by means of an approved combustible gas detector, soap and water, or an equivalent nonflammable solution.

NOTE: Since some leak test solutions, including soap and water, may cause corrosion or stress cracking, the piping shall be rinsed with water after testing, unless it has been determined the leak test solution is non corrosive.

[9] SIGNATURE:

I hereby certify that all standards listed above have been complied with. I also certify that the test information listed above is true and that the test was conducted on the date indicated above.

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Signature of Licensed Mechanical Contractor or Mobile Home Installer/Repairer

DIRECTIONS FOR FILLING OUT AFFIDAVIT

GENERAL: Please print legibly or type all required information except the signature required in item number 11. This form is copyrighted do not duplicate or reproduce this form in any fashion except after being completed you may make a copy for your own records .

1. PERMIT NUMBER: Indicate the permit number that has been issued to you by the Eaton County Construction Code Department for the gas piping being installed and tested.

2. JOB SITE ADDRESS: Show the address of the project where the gas piping is being installed.

3. CONTRACTOR: Insert the name of the licensed mechanical contractor or licensed mobile home installer or repairer that the permit has been issued to.

4. CONTRACTORS LICENSE NUMBER: Insert the current State of Michigan mechanical contractors license number for the contractor listed in number 3.

5. DATE & TIME TESTED: Indicate the date and time of the test.

6. TYPE OF GAS: Indicate the type of gas that will be transported in this piping system (Liquefied Petroleum, Natural, etc).

7. TEST MEDIUM USED: Indicate the type of gas that will be used to produce the pressure for the test.

8. STANDARDS: The contractor and the person in charge of the testing should read and understand the test requirements before preceding with the test.

9. SIGNATURE: The contractor of record is required to sign this document attesting to its authenticity. The contractor and the person in charge of the testing should read and understand the test requirements before preceding with the test.

REQUIRED TESTING

The Michigan Residential Code (Section G2417) and the International Fuel Gas Code (Section 406) requires that all gas piping be tested before it is placed into service. The test must be conducted according to the requirements of the Michigan Mechanical Code, the International Fuel Gas Code, and NFPA 54. Gas piping for mobile home installations are required to be tested under section 408.31142(2) of Part 11 of the Michigan Pre-manufactured Housing Rules. This requires that the mechanical system be checked for leaks and/or damage caused in transit. This will require a pressure test of all gas piping installed at the factory. When testing gas piping in sections, each test must have a separate test report. You may wish to complete a pressure test for the factory installed gas piping and a separate test for any gas piping installed at the construction site, or a mobile or modular home may have all of the gas piping tested at the same time. The test report/s must be furnished to the Eaton County Mechanical Official before the final inspection or left at the construction site for the Mechanical Official at the time of final inspection. A final inspection will not be approved without the test report/s. Eaton County will furnish the test forms