



WARNING: Combustion Appliance Safety Notice

Natural gas appliances produce **combustion gases** when providing space and water heating. These gases can contain harmful chemicals, including carbon monoxide. The combustion gases should flow out of your house through vent pipes and the chimney. It is unhealthy to have the combustion gases leak into your house.

Your insulation contractor tested your water heater and/or furnace or boiler to see if combustion gases are leaking into your home.

RESULTS

FANS OFF COMBUSTION SAFETY TEST:

Water Heater: Pass Fail N/A **Furnace/Boiler:** Pass Fail N/A

During a fans off test the contractor turns off the kitchen fan, dryer, and any other exhaust devices in the home. To determine if the water heater and/or furnace or boiler is removing combustion gases from the home the contractor checks if smoke goes up the appliance's chimney while it is operating. If not, the appliance has failed this test, indicating that combustion gases could be entering the home whenever it is operating. **This is a serious health and safety concern, and no air seal or insulation work should begin until this is corrected. To correct, take one of the following actions:**

- Hire a qualified licensed heating contractor to service the appliance immediately.
- Or
- Replace the appliance with an Energy Star power-vent or direct-vent model.

FANS ON COMBUSTION SAFETY TEST:

Water Heater: Pass Fail N/A **Furnace/Boiler:** Pass Fail N/A

During a fans on test the contractor determines if the appliances are removing combustion gases from the home (similarly to the fans off test) when the kitchen fan and clothes dryer are operating at the same time. As your kitchen fan and dryer exhaust air, combustion gases from the appliance(s) can be pulled back into the home instead of exiting up the chimney. If an appliance failed this test, combustion gases could be entering the home when the kitchen fan and clothes dryer are on. **Take one or more of the following actions:**

- Disconnect or downsize the kitchen fan
 - Retest the appliance to determine if it is still spilling combustion gases
- Or
- Hire a qualified licensed heating contractor to service the appliance immediately.
- Or
- Replace the water heater or furnace/boiler with an Energy Star power-vent or direct-vent model.

Questions? For further information, reference the MN Department of Commerce combustion safety and testing guide. You can access it with a web search for "Combustion air 7-05".

These tests were performed to the current standards and procedures designed solely for the use of contractors participating in MN Energy Resources programs. Results may vary from tests performed by other individuals or agencies. Please note that while the contractor's tests provide information on natural gas appliance combustion safety concerns, the tests are not a comprehensive indoor air quality evaluation of your house. There may be other health and/or safety issues in your house that were not detected by our evaluation.