

SEND Home Energy Conservation Program Daily Safety Test-Out Form

Client Name: _____ Client/Job Application ID: _____
Client Address: _____ Person Performing Test: _____
County: _____ Date: _____

Set Up

Heating appliance and water heater off? Yes Furnace filter clean or removed? Yes
All exterior windows and doors closed? Yes
Fireplace or wood stove dampers closed? Yes N/A
Clothes dryer and all other exhaust fans operating? Yes N/A
Blower door used to simulate 300 CFM fireplace flow?
(Do not operate whole house exhaust fans) Yes N/A
Interior doors closed? Yes N/A
(Do not close doors to rooms that contain JUST an exhaust fan but no supply register)
Supply registers open? Yes N/A
(Close supply registers in the CAZ)

CAZ Test

Gauge set up to measure CAZ WRT outside? Yes
Is there a door from the CAZ to the main body of the house? Yes No
Is there a forced air furnace? Yes No
Furnace Fan Off: CAZ Door Open: _____ Pa CAZ Door Closed: _____ Pa
Furnace Fan On: CAZ Door Open: _____ Pa CAZ Door Closed: _____ Pa

Appliance Testing (*Test the lowest Btu/hr input appliance first. If any draft pressure is zero or positive address immediately CO levels are required to be 50 PPM or Less*) **CO Pass:** Yes No

Recreate conditions which caused the greatest negative pressure in the CAZ
Outside Temperature _____ F Required Draft: _____ Pa or _____ In W.C.

Water Heater

Fire the water heater.
Was initial flow established in the vent? (5 sec) Yes No
Spillage? (Should disappear within 2 minutes) Yes No
Draft pressure after 5 minutes: _____ Pa or _____ In. W.C.
Carbon monoxide after five minutes (*must be completed if doing as part of the gas furnace and appliance initial audit, contractor completion, and interim audit forms*): _____ / _____ PPM

Furnace/boiler/space heater:

Fire the heating appliance.
Was initial flow established in the vent? (5 sec) Yes No
Spillage? (Should disappear within 2 minutes) Yes No
Retest of smaller appliance: Spillage? Yes No
Draft retest: _____ Pa or _____ In. W.C.
Flame interference after the blower came on? Yes No
Draft pressure after 5 minutes: _____ Pa or _____ In. W.C.
Carbon monoxide after five minutes (*must be completed if doing as part of the gas furnace and appliance initial audit, contractor completion, and interim audit forms*): _____ / _____ / _____ / _____ / _____ / _____ PPM

“Worst Case Depressurization” Draft Testing

Important

DO NOT BREATHE SPILLING FLUE PRODUCTS!

Be safe! If the appliance does not establish a flow in the vent almost immediately, abort the test and follow the “Response to Failure” procedures. Do not wait for 2 minutes to see if the spillage disappears if the flow in the vent is in the wrong direction and into the room.

Response to Failure:

- 1) Disable portions of “Worst Case” set-up until the furnace or water heater functions properly.
- 2) Inform the client of what to do/not do with the house until permanent corrective action can be taken.
- 3) Notify IBA Production Management Team that action is needed to repair problems with the home.

Emergency condition

If “worst case” is completely undone and the appliances still do not function under “normal” operating conditions: Do not operate the appliance until safety repairs are completed!

Specifications:

- A) Flow of flue products must be established to the exterior of the structure in the vent almost immediately.
- B) There should be no spillage after 2 minutes of operation.
- C) Operation of the furnace should not cause spillage or a reduction in draft pressure in any other appliance it shares combustion air with.
- D) Adequate draft pressure after 5 minutes is:

<u>Outdoor Temperature</u>	<u>Minimum Draft Pressure</u>	
	<u>In. of Water Column</u>	<u>Pascals</u>
Greater than 80 Degrees F.	.005” W.C.	1 Pa
Between 60 and 80 Degrees F.	.008” W.C.	2 Pa
Between 40 and 60 Degrees F.	.012” W.C.	3 Pa
Between 20 and 40 Degrees F.	.016” W.C.	4 Pa
Less than 20 Degrees F.	.02” W.C.	5 Pa