

# Daily Safety Test-Out Summary Sheet

Revised 4/20/07

## Set Up

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

## CAZ Test

Gauge set up to measure CAZ WRT outside?	<input type="checkbox"/> Yes
Is there a door from the CAZ to the main body of the house?	<input type="checkbox"/> Yes <input type="checkbox"/> No
Is there a forced air furnace?	<input type="checkbox"/> Yes <input type="checkbox"/> No
<b>CAZ door:</b>	
	<u>Open</u> <u>Closed</u>
Furnace Fan Off:	_____ Pa                      _____ Pa
Furnace Fan On:	_____ Pa                      _____ Pa

**\*Recreate conditions which caused the greatest negative pressure in the CAZ\***

## Appliance Testing

<b>Water Heater:</b>	(Test the lowest Btu/hr input appliance first)	
Fire the water heater.		
Was initial flow established in the vent? (5 sec)	<input type="checkbox"/> Yes	<input type="checkbox"/> No
Spillage? (Should disappear within 2 minutes)	<input type="checkbox"/> Yes	<input type="checkbox"/> No
Draft pressure after 5 minutes:	_____ Pa	or _____ In. W.C.

<b>Furnace/boiler/space heater:</b>	(Test the lowest Btu/hr input appliance first)	
Fire the heating appliance.		
Was initial flow established in the vent? (5 sec)	<input type="checkbox"/> Yes	<input type="checkbox"/> No
Spillage? (Should disappear within 2 minutes)	<input type="checkbox"/> Yes	<input type="checkbox"/> No
Retest of smaller appliance: Spillage	<input type="checkbox"/> Yes	<input type="checkbox"/> No
Draft pressure after 5 minutes:	_____ Pa	or _____ In. W.C.

# “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 your Wx Auditor/Supervisor 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!**
- **Contact your supervisor.**

## **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 within 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.
- C) Adequate draft pressure after 5 minutes is:

<b>Outdoor Temperature</b>	<b>Minimum Draft Pressure</b>	
	<b>In. of Water Column</b>	<b>Pascals</b>
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